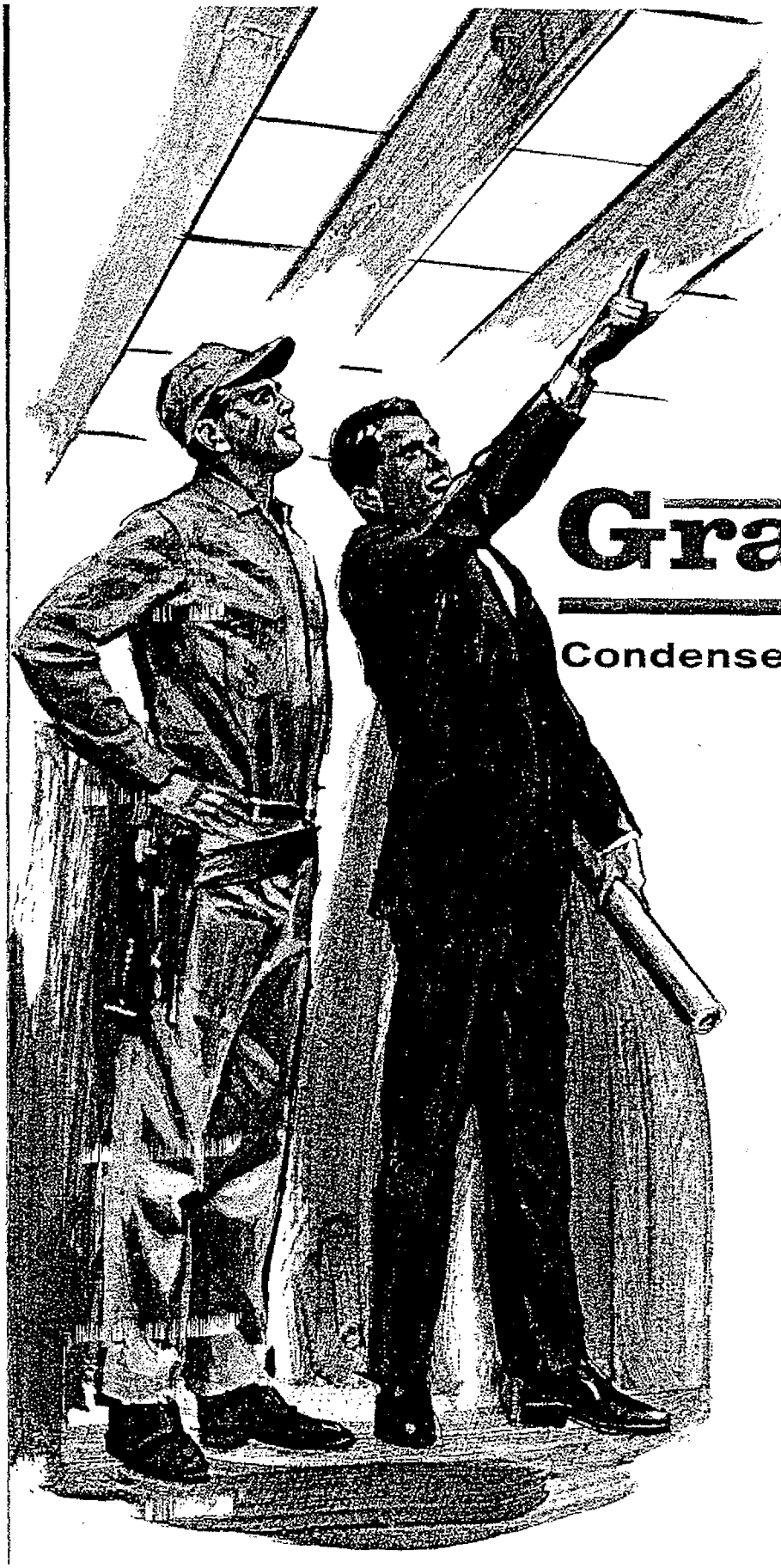


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PRICES . . .

Prices found in this catalog are suggested wholesale prices at the time of going to press. Additional discounts are allowed where shown at the bottom of each page, where applicable. It is understood that they are subject to change or correction without notice and are, therefore, not offered by us as quotations. When definite quotations are necessary, please write or consult our salesmen or nearest office. It is contemplated that all prices are for shipment from our warehouse unless otherwise specified. All local, State or Federal taxes of any nature must be added to prices quoted, unless they are already included.

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Where possible, we have placed opposite each article a catalog number. When ordering, give the catalog number and description of the article required.

You are requested to specify the routing by which you prefer shipments to be made. In the absence of specific instructions, we shall use our best judgment in selecting the route, but we are not responsible for extra trucking expenses at destination.

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All statistical information contained in this catalog pertaining to Strength and Proper Working Loads of material, tools or machines is derived from tables compiled by the Manufacturers thereof, and is reprinted by us for the convenience of the buyer. This information is necessarily based upon use under proper working conditions. We assume no responsibility by this reprint, and in no way do we give you a guarantee, expressed or implied, on any material.

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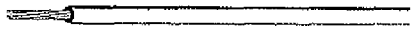
WIRE SECTION OF CATALOG

This section is designed primarily to show standard wires and cables in everyday use. If you cannot find a particular type of wire listed, please call your Graybar Distributor Center for assistance. For a quotation to solve a specific problem, please furnish the following information:

1. Total length of each item
2. Number of insulated conductors
3. Size of conductors, and solid or stranded
4. Thickness and type of insulation
5. Finish and/or jacket
6. Rated voltage
7. Cutting lengths and shipment requirements
8. Any special specifications of wire involved

TYPE TW BUILDING WIRE

Copper and Aluminum Conductor — 600 Volts



Small diameter, single conductor Polyvinyl Chloride insulated wire suitable for operation in wet or dry locations at a maximum temperature of 60°C. Resists moisture, ozone, oils, solvents, acids and is flame retardant.

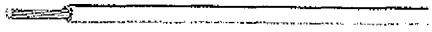
Size AWG	No. Strands	Insul. Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft. Copper	Alum.
14	1	2	.13	18	....
12	1	2	.15	27	14
10	1	2	.17	40	18
8	1	3	.23	66	32
14	7	2	.14	19	....
12	7	2	.16	28	16
10	7	2	.18	42	20
8	7	3	.24	70	36
6	7	4	.31	113	58
4	7	4	.36	168	82
2	7	4	.42	255	120

Standard colors available; 14 through 10 AWG — black, white, red, blue, green, orange, brown, yellow, purple; 8 AWG — black, white, red, blue; 6 through 2 AWG — black, white, red.

Packaging: Sizes 14 through 8 AWG, 500′ carton and 2500′ spool; 6 through 2 AWG, 500′ coil.

TYPE THW BUILDING WIRE

Copper and Aluminum Conductor — 600 Volts



Single conductor Polyvinyl Chloride insulated wire suitable for operation in wet or dry locations at a maximum temperature of 75°C. Highly resistant to the effects of moisture, oil and chemicals. Also listed as 90°C Machine Tool Wire by UL.

Size AWG or MCM	No. Strands	Insul. Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft. Copper	Aluminum
14	1	3	.16	22	..
12	1	3	.18	31	18
10	1	3	.20	45	23
8	1	4	.26	73	39
14	7	3	.17	24	..
12	7	3	.19	33	20
10	7	3	.21	48	26
8	7	4	.27	77	42
6	7	4	.31	112	57
4	7	4	.36	167	79
3	7	4	.39	205	96
2	7	4	.42	252	112
1	19	5	.49	325	144
1/0	19	5	.53	400	172
2/0	19	5	.58	495	206
3/0	19	5	.63	615	248
4/0	19	5	.69	760	300
250	37	6	.77	910	369
300	37	6	.82	1080	429
350	37	6	.87	1245	488
400	37	6	.92	1520	546
500	37	6	1.01	1740	660
600	61	7	1.12	2310	798
750	61	7	1.23	2590	987
1000	61	7	1.37	3410	1244

Standard colors available: 14 through 10 AWG—black, white, red, blue, green, orange, brown, yellow, purple; 8 AWG—black, white, red, blue; 6 through 2 AWG—black, white, red; 1 AWG and larger—black.

Packaging: Sizes 14 through 8 AWG, 500′ carton and 2500′ spool; 6 through 2 AWG, 500′ coil; 1 AWG and larger, cutting lengths as desired.

TYPE THHN BUILDING WIRE

Copper and Aluminum Conductor — 600 Volts



Small-diameter single conductor Polyvinyl Chloride insulated wire with Nylon Jacket for 90°C operation in wet or dry locations.

Also UL listed as 75°C Type THWN, 90°C MTW, 105°C AWM, 75°C Gasoline and Oil Resistant.

Size AWG or MCM	No. Strands Cu	No. Strands Al	Insul. Thick. In.	Jacket Thick. In.	O.D. In.	Net Wt. Lbs. M Ft. Cu	Net Wt. Lbs. M Ft. Al
14	1	..	.015	.004	.11	16	..
12	1	1	.015	.004	.12	25	11
10	1	1	.020	.004	.15	38	16
18*	16	..	.015	.004	.09	8	..
16*	26	..	.015	.004	.10	12	..
14	19	..	.015	.004	.12	17	..
12	19	..	.015	.004	.13	25	..
10	19	..	.020	.004	.16	40	..
8	19	7	.030	.005	.20	65	29
6	19	7	.030	.005	.26	97	40
4	19	7	.040	.006	.33	155	65
3	19	..	.040	.006	.36	192	..
2	19	7	.040	.006	.39	238	94
1	37	19	.050	.007	.45	305	122
1/0	37	19	.050	.007	.49	375	148
2/0	37	19	.050	.007	.54	470	179
3/0	37	19	.050	.007	.59	580	217
4/0	37	19	.050	.007	.65	725	265
250	61	37	.060	.008	.72	860	321
350	61	37	.060	.008	.82	1185	377
500	61	37	.060	.008	.96	1665	426

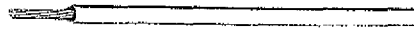
*Not UL listed as Types THHN or THWN — only as 105°C Appliance Wiring Material, 90°C Machine Tool Wire and 80°C when exposed to oil.

Standard colors available: 18 through 10 AWG — black, white, red, blue, green, orange, brown, yellow; 8 through 2 AWG — black, white, red; 1 AWG and larger — black.

Packaging: Sizes 18 through 2 AWG, 500′ coil; 1 AWG and larger, cutting lengths as desired.

TYPE XHHW CROSS LINK BUILDING WIRE

Copper Conductor — 600 Volts



Single conductor cross link Polyethylene insulated wire suitable for operation at 90°C in dry locations and 75°C in wet locations. May be installed in conduit, duct or other recognized raceway.

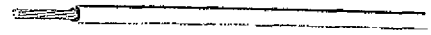
Size AWG or MCM	No. Strands	Insul. Thick. In.	O.D. In.	Net Wt. Lbs. M Ft.
14	1	.030	.13	16
14	7	.030	.14	18
12	1	.030	.15	25
12	7	.030	.16	26
10	1	.030	.17	37
10	7	.030	.18	40
8	1	.045	.24	63
8	7	.045	.24	65
6	7	.045	.28	98
4	7	.045	.33	150
2	7	.045	.39	231
1	19	.055	.45	294
1/0	19	.055	.49	366
2/0	19	.055	.54	453
3/0	19	.055	.59	568
4/0	19	.055	.65	707
250	37	.065	.71	839
300	37	.065	.77	982
350	37	.065	.82	1159
500	37	.065	.95	1635
750	61	.080	1.18	2448
1000	61	.080	1.33	3244

Check your Graybar office for colors available.

Packaging: Sizes 14 through 8 AWG, 500′ carton; 6 through 2 AWG, 500′ coil; 1 AWG and larger, cutting lengths as desired.

CROSS LINK USE SERVICE CABLE

Copper and Aluminum Conductor — 600 Volts



Single conductor cross link Polyethylene insulated wire suitable for operation at 90°C in dry locations and 75°C in wet or dry locations. May be installed in conduit, duct or other recognized raceway. Also approved for direct burial.

Size AWG or MCM	No. Strands	Insul. Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft. Copper	Aluminum
14	1	3	.16	21	..
12	1	3	.18	30	18
10	1	3	.20	43	23
8	1	4	.26	67	39
14	7	3	.17	22	..
12	7	3	.19	31	20
10	7	3	.21	45	26
8	7	4	.27	72	42
6	7	4	.31	107	62
4	7	4	.36	160	71
2	7	4	.42	243	105
1	19	5	.49	312	135
1/0	19	5	.53	384	160
2/0	19	5	.58	476	195
3/0	19	5	.63	591	240
4/0	19	5	.69	733	290
250	37	6	.77	873	350
300	37	6	.82	1040	405
350	37	6	.87	1190	460
400	37	6	.92	1360	520
500	37	6	1.01	1631	625
600	61	7	1.12	2027	755
750	61	7	1.23	2511	920
1000	61	7	1.38	3316	1190

Check your Graybar office for colors available.

Packaging: Sizes 14 through 8 AWG, 500′ carton; 6 through 2 AWG, 500′ coil; 1 AWG and larger, cutting lengths as desired.

STYLE RR BUILDING WIRE

Copper and Aluminum Conductor — 600 Volts



Single conductor Type RHW insulated wire with Neoprene jacket suitable for operation in wet or dry locations at a maximum temperature of 75°C. Identified as Type RHW for conduit and duct installation; as Type USE for direct burial as well as conduit, duct and aerial installations.

Size AWG or MCM	No. Strands	Insul. Thick. 64th In.	Jacket Thick. In.	O.D. In.	Net Wt. Lbs. M Ft. Copper	Aluminum
Type RHW—For Duct						
14	1	3	.015	.21	29	16
12	1	3	.015	.22	38	22
10	1	3	.015	.24	52	28
14	7	3	.015	.21	30	18
12	7	3	.015	.23	40	24
10	7	3	.015	.26	55	32
Type USE—For Direct Burial						
12	1	3	.030	.24	44	24
10	1	3	.030	.26	58	30
8	1	4	.030	.32	88	46
12	7	3	.030	.25	46	26
10	7	3	.030	.28	62	32
8	7	4	.030	.34	93	48
6	7	4	.030	.38	130	75
4	7	4	.030	.43	187	99
2	7	4	.030	.49	275	134
1	19	5	.045	.59	370	190
1/0	19	5	.045	.63	449	219
2/0	19	5	.045	.68	547	257
3/0	19	5	.045	.72	662	302
4/0	19	5	.045	.78	812	360
250	37	6	.065	.89	990	458
300	37	6	.065	.95	1160	524
350	37	6	.065	1.00	1330	585
400	37	6	.065	1.04	1502	649
500	37	6	.065	1.13	1835	770
600	61	7	.065	1.24	2201	911
750	61	7	.065	1.34	2703	1094
1000	61	7	.065	1.49	3522	1363

Check your Graybar office for colors available.

Packaging: Sizes 14 through 8 AWG, 500′ carton and 2500′ spool; 6 AWG and larger, cutting lengths as desired.

These data are approximate and subject to normal manufacturing tolerances.

Price on Application

ARMORED BUSHED CABLE (BX)

Copper Conductor — 600 Volts



Two, three and four conductor Polyvinyl Chloride insulated wire protected by an inter-locking armor of galvanized steel. Suitable for use in exposed and concealed work in dry locations at 50°C. Tough fibre bushings are furnished with each coil.

Size AWG	No. Conductors	Insul. Thick. 64th In.	O.D. In.	No. Bushings	Coil Lgth. Ft.	Shpg. Wt. Lbs. M Ft.
Solid Conductors						
14	2	2	.433	35	250	198
12	2	2	.467	35	250	228
10	2	2	.509	35	250	274
8	2	3	.664	20	150	595
14	3	2	.453	35	250	232
12	3	2	.489	35	250	274
10	3	2	.534	35	200	325
8	3	3	.699	20	150	710
14	4	2	.486	35	250	275
12	4	2	.526	35	250	325
10	4	2	.577	20	150	600
8	4	3	.756	20	100	931
Stranded Conductors						
14	2	2	.450	35	250	200
12	2	2	.488	35	250	230
10	2	2	.536	35	250	280
8	2	3	.699	20	150	607
6	2	4	.837	16	100	700
4	2	4	.933	16	100	850
2	2	4	1.054	16	100	1120
14	3	2	.471	35	250	238
12	3	2	.512	35	250	279
10	3	2	.564	35	200	330
8	3	3	.736	20	150	578
6	3	4	.885	16	100	804
4	3	4	.989	16	100	1128
2	3	4	1.119	16	100	1421
14	4	2	.506	35	250	275
12	4	2	.552	35	250	325
10	4	2	.610	20	150	931
8	4	3	.798	16	100	1029
6	4	4	.965	16	100	1108
4	4	4	1.081	16	100	1215
2	4	4	1.227	16	100	1512

Contact Graybar for packaging.

TYPE SEU SERVICE ENTRANCE CABLE

Copper and Aluminum Conductor — 300 Volts



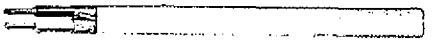
Two and three conductor Type RHW insulated wire with concentric neutral and overall braid painted gray. One cable for the entire service between line or entrance cap to the meter, switch or range receptacle. Approved by UL for use without conduit. Maximum operating temperature 75°C.

Size AWG	No. Strands	Neutral Size AWG	O.D. In.	Ampacity Copper	Ampacity Alum.	Net Wt. Lbs. M Ft. Copper	Net Wt. Lbs. M Ft. Alum.
Two Conductors							
12	1	12	.29	20	..	65	..
10	1	10	.32	30	..	90	..
8	7	8	.38	45	40	140	52
6	7	6	.45	65	50	210	91
4	7	4	.49	85	65	330	125
2	7	2	.58	115	100	560	172
Three Conductors							
12	1	12	.30x .47	20	..	105	..
10	1	10	.31x .51	30	25	145	70
8	7	8	.38x .66	45	40	225	113
6	7	8	.43x .74	65	..	305	...
6	7	6	.45x .78	65	50	330	152
4	7	6	.50x .86	85	..	440	..
4	7	4	.50x .86	85	65	485	210
3	7	5	.54x .93	100	..	540	...
3	7	3	.54x .93	100	75	605	275
2	7	4	.56x .98	115	..	660	...
2	7	2	.57x .99	115	100	745	300
1	19	1	.64x1.12	130	110	935	386
1/0	19	1/0	.68x1.20	150	125	1155	460
2/0	19	1	.76x1.32	175	...	1430	...
2/0	19	2/0	.78x1.34	175	150	1590	556
3/0	19	1/0	.81x1.42	200	...	1750	...
3/0	19	3/0	.85x1.46	200	170	1955	674
4/0	19	2/0	.90x1.57	230	...	2150	...
4/0	19	4/0	.90x1.57	230	200	2400	821

Packaging: Sizes 12 through 8 AWG, 250' coil; 6 AWG, 200' coil; 4 through 3 AWG, 150' coil; 2 AWG, 100' coil; 1 AWG and larger, cutting lengths as desired.

TYPE NM NON-METALLIC SHEATHED CABLE

Copper and Aluminum Conductor — 600 Volts



Two and three conductor Polyvinyl Chloride insulated wire with Polyvinyl Chloride jacket suitable for both exposed and concealed work in dry locations at 60°C. Ground wire, when present, is bare copper or bare aluminum.

Size AWG	No. Strands	Insul. Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft. Copper	Net Wt. Lbs. M Ft. Aluminum
Two Conductor—Without Ground Wire					
14	1	2	.20x.45	63	..
12	1	2	.22x.50	78	56
10	1	2	.24x.52	109	71
8	7	3	.39x.69	185	...
6	7	4	.46x.88	286	...
Two Conductor—With Ground Wire					
14	1	2	.20x.46	73	...
12	1	2	.23x.50	88	61
10	1	2	.25x.54	122	78
8	7	3	.39x.71	205	...
6	7	4	.45x.87	353	...
Three Conductor—Without Ground Wire					
14	1	2	.45	99	..
12	1	2	.48	133	87
10	1	2	.52	178	112
8	7	3	.72	291	195
6	7	4	.85	447	...
4	7	4	.94	650	...
Three Conductor—With Ground Wire					
14	1	2	.44	96	..
12	1	2	.47	130	82
10	1	2	.53	177	107
8	7	3	.71	290	188
6	7	4	.85	443	...
4	7	4	.96	646	...

Packaging: Sizes 14 through 10 AWG, 250' carton; 8 through 4 AWG, 125' coil

TYPE UF-NMC UNDERGROUND FEEDER CABLE

Copper and Aluminum Conductor — 600 Volts



One, two and three conductor Polyvinyl Chloride insulated wire with Polyvinyl Chloride jacket suitable for direct burial in branch or feeder circuits, interior wiring in wet or dry locations and in sunlight. Maximum operating temperature 60°C.

Size AWG	No. Strands	Insul. Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft. Copper	Net Wt. Lbs. M Ft. Aluminum
Single Conductor					
14	1	4	.19	28	..
12	1	4	.21	37	..
10	1	4	.23	51	..
8	1	5	.28	80	..
6	7	5	.35	121	66
4	7	5	.39	175	90
2	7	5	.45	260	125
1	19	6	.53	365	160
1/0	19	6	.57	445	189
2/0	19	6	.62	540	225
3/0	19	6	.67	660	269
4/0	19	6	.72	815	324
Two Conductor—Without Ground					
14	1	2	.24x.43	76	...
12	1	2	.23x.44	100	...
10	1	2	.26x.50	124	...
Two Conductor—With Ground					
14	1	2	.25x.43	80	...
12	1	2	.23x.44	104	...
10	1	2	.27x.50	144	...
Three Conductor—Without Ground					
14	1	2	.22x.61	112	...
12	1	2	.24x.67	136	...
10	1	2	.25x.72	160	...
Three Conductor—With Ground					
14	1	2	.23x.62	116	...
12	1	2	.24x.67	160	...
10	1	2	.26x.73	192	...

Packaging: Single conductor — sizes 14 through 8 AWG, 500' carton; 6 through 4 AWG, 500' coil; 2 AWG and larger, cutting lengths as desired. Two and three conductor — 250' carton.

TYPE USE UNDERGROUND SERVICE CABLE

Copper and Aluminum Conductor — 600 Volts



One, two and three conductor Type RHW insulated wire with Neoprene jacket suitable for operation in wet or dry locations at a maximum temperature of 75°C. Underground service entrance cable for direct earth burial, conduit, duct or aerial applications.

Contact Graybar for complete specifications and packaging.

TYPE SER SERVICE ENTRANCE CABLE

Copper and Aluminum Conductor — 300 Volts

Three-conductor round cable with RHW insulation and moisture-resistant, flame-retardant braid or Neoprene jacket overall. With or without single bare grounding conductor. Exterior or interior use at maximum temperature of 75°C.

BRAID JACKET

Size AWG Insulated	Insul. Thick. 64th In.	O.D. In.	Wt. Lbs. 1000 Ft. Al	Wt. Lbs. 1000 Ft. Cu	Ampacity Al	Ampacity Cu
Three Conductor Without Ground						
8-7	4	.66	157	262	40	45
6-7	4	.76	206	374	50	65
4-7	4	.84	286	555	65	85
3-7	4	.93	333	671	75	100
2-7	4	1.00	395	823	100*	115
1-19	5	1.15	518	1059	110*	130
1/0-19	5	1.25	598	1279	125*	150
2/0-19	5	1.36	718	1586	150*	175
3/0-19	5	1.47	885	1966	170*	200
4/0-19	5	1.63	1060	2323	200*	230

Size AWG Insulated	Bare Ground	Insul. Thick. 64th In.	O.D. In.	Wt. Lbs. 1000 Ft. Al	Wt. Lbs. 1000 Ft. Cu	Ampacity Al	Ampacity Cu
Three Conductor With Ground							
8-7	8-7	4	.66	172	312	40	45
6-7	8-7	4	.76	219	412	50	65
4-7	6-7	4	.84	301	626	65	85
3-7	5-7	4	.93	357	768	75	100
2-7	4-7	4	1.00	425	943	100*	115
1-19	3-7	5	1.15	555	1209	110*	130
1/0-19	2-7	5	1.25	647	1471	125*	150
2/0-19	1-19	5	1.36	776	1824	150*	175
3/0-19	1/0-19	5	1.47	957	2265	170*	200
4/0-19	2/0-19	5	1.63	1155	2704	200*	230

NEOPRENE JACKET

Size AWG Insulated	Insul. Thick. 64th In.	O.D. In.	Wt. Lbs. 1000 Ft. Al	Wt. Lbs. 1000 Ft. Cu	Ampacity Al	Ampacity Cu
Three Conductor Without Ground						
8-7	4	.73	226	331	40	45
6-7	4	.84	279	447	50	65
4-7	4	.94	391	660	65	85
3-7	4	1.01	451	789	75	100
2-7	4	1.07	521	949	100*	115
1-19	5	1.22	656	1197	110*	130
1/0-19	5	1.31	761	1442	125*	150
2/0-19	5	1.41	901	1769	150*	175
3/0-19	5	1.52	1052	2133	170*	200
4/0-19	5	1.64	1250	2513	200*	230

Size AWG Insulated	Bare Ground	Insul. Thick. 64th In.	O.D. In.	Wt. Lbs. 1000 Ft. Al	Wt. Lbs. 1000 Ft. Cu	Ampacity Al	Ampacity Cu
Three Conductor With Ground							
8-7	8-7	4	.73	234	374	40	45
6-7	8-7	4	.84	313	616	50	65
4-7	6-7	4	.94	403	728	65	85
3-7	5-7	4	1.01	472	883	75	100
2-7	4-7	4	1.07	539	1057	100*	115
1-19	3-7	5	1.23	691	1345	110*	130
1/0-19	2-7	5	1.33	812	1636	125*	150
2/0-19	1-19	5	1.47	1012	2060	150*	175
3/0-19	1/0-19	5	1.55	1122	2430	170*	200
4/0-19	2/0-19	5	1.71	1385	2934	200*	230

*Three-wire, single-phase service and sub-service circuits.

UNDERGROUND RESIDENTIAL DISTRIBUTION (URD) CABLES

Copper and Aluminum Conductor — 5000 & 15,000 Volts



Polyethylene (URD)—Copper or aluminum conductor with extruded semiconducting polyethylene strand shield and high-molecular-weight polyethylene insulation; extruded *semiconducting polyethylene* jacket and neutral of concentric tinned copper wires overall. Max 75°C.

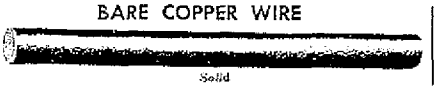
Cross-Linked Polyethylene (URD)—Tinned copper or aluminum conductor with extruded semiconducting strand shield and insulation of cross-linked polyethylene; extruded semiconducting polyethylene jacket and neutral of concentric tinned copper wires overall. Max 90°C.

Contact Graybar for complete specifications and packaging.

These data are approximate and subject to normal manufacturing tolerances.

Price on Application

BARE COPPER WIRE



Solid



Stranded

Made to the specifications of the American Society for Testing Materials which are the recognized American standards.

Size AWG or MCM	Area Cir. Mils	Solid Dia. In.	Solid Wt. Lbs. M Ft.	Class B Stranding No. Strands	Class B Stranding Dia. In.	Class B Stranding Wt. Lbs. M Ft.
20	1,020	.0320	3.10	7	.036	3.15
18	1,620	.0403	4.92	7	.046	5.01
16	2,580	.0508	7.81	7	.058	7.97
14	4,110	.0641	12.44	7	.073	12.7
12	6,530	.0808	19.77	7	.092	20.2
10	10,380	.1019	31.43	7	.116	32.0
9	13,090	.1144	39.63	7	.130	40.4
8	16,510	.1285	50.0	7	.146	51
6	26,240	.1620	79.4	7	.184	81
4	41,740	.2043	126.4	7	.232	129
2	66,360	.2576	200.9	7	.292	205
1	83,690	.2893	253.3	19	.332	258
1/0	105,530	.3249	319.6	19	.373	326
2/0	133,100	.3648	402.9	19	.419	411
3/0	167,800	.4096	507.9	19	.470	518
4/0	211,600	.4600	640.5	19	.528	653
250	—	—	—	37	.575	772
300	—	—	—	37	.630	926
350	—	—	—	37	.681	1081
400	—	—	—	37	.728	1235
500	—	—	—	37	.813	1544
600	—	—	—	61	.893	1853
750	—	—	—	61	.998	2316
1000	—	—	—	61	1.152	3088

BARE ALUMINUM CONDUCTOR, STEEL-REINFORCED (ACSR) CABLE



ACSR cable for overhead transmission and distribution. High strength permits longer spans and fewer supports.

Code Word	Size AWG or MCM	No. Strands Alum.	No. Strands Steel	O.D. In.	Net Wt. Lbs. M Ft.
Swan	4	6	1	.250	57.4
Swanate	4	7	1	.257	67.0
Sparrow	2	6	1	.316	91.3
Sparate	2	7	1	.325	106.7
Raven	1/0	6	1	.398	145.2
Quail	2/0	6	1	.447	813.1
Pigeon	3/0	6	1	.502	230.9
Penguin	4/0	6	1	.563	291.1
Merlin	336.4	18	1	.684	365.3
Linnet	336.4	26	7	.721	463.1

Packaging: As required.

GUY STRAND

Class "A" Zinc Coated — Extra Galvanized
Per ASTM 475-62T



Size In.	Min. Brk. Strength	Trade Desig-nation	Prices Per 1000 Feet Up to 10,000'	10,000'
		SIEMENS MARTIN GRADE		
1/4	3150	—	$ 73.60	$ 70.66
5/16	5350	—	108.52	104.18
3/8	6950	—	138.46	132.92
7/16	9350	—	189.58	182.00
		SPECIFICATION GRADE		
5/16	6000	6.M	118.32	113.60
3/8	11500	10.M	146.42	140.56
7/16	18000	16.M	212.32	204.32
		HIGH STRENGTH		
1/4	4750	—	77.10	74.02
5/16	8000	—	114.66	110.06
3/8	10800	—	146.22	140.38
7/16	14500	—	201.28	193.24
		EXTRA HIGH STRENGTH		
1/4	6650	—	80.66	77.42
5/16	11200	—	120.66	115.82
3/8	15400	—	154.42	148.12
7/16	20800	—	212.60	204.10
		REA POLE GROUND WIRE* 3-Wire, Class "C" Coated		
5/16	2230	—	130.66	122.50

*Conforms to Item cj-Pole Ground Wire, REA List of Acceptable Materials (Electric). Not covered by ASTM. Max. electrical resistance is 1.15 ohms per 1000'.

Prices are F.O.B. Muncie, Ind.

3/8" dia. and smaller available in standard 250, 500 and 1000-foot coils, 2500 and 5000-foot reels. 7/16" dia. furnished in 250 and 500-foot coils, 1000, 2500 and 5000-foot reels.

Also available with Class "B" and "C" coatings.

These data are approximate and subject to normal manufacturing tolerances.

TYPE N-SD SERVICE DROP AND SECONDARY CABLE

Aluminum Conductor — 300 Volts



Multi-conductor covered with a wall of insulating cross link Polyethylene and spiraled around the bare ACSR messenger conductor. Messenger serves both as the neutral and the supporting member, leaving the insulated conductors free of tension. Also available with conventional Polyethylene insulation.

Code Word	Insulated Conductor Size AWG	Insulated Conductor No. Str.	Insulated Conductor Insul. Thick. 64th In.	Bare Messenger Size AWG	Bare Messenger No. Str.	Net Wt. Lbs. M Ft.
		DUPLEX — Two Conductor				
Shepherd-XLP	6	7	3	6	6/1	80
Terrier-XLP	4	7	3	4	6/1	121
		TRIPLEX — Three Conductor				
Voluta-XLP	6	7	3	6	6/1	124
Periwinkle-XLP	4	7	3	4	6/1	184
Conch-XLP	2	7	3	2	6/1	278
Cockle-XLP	2	7	3	4	6/1	244
Neritina XLP	1/0	7	4	1/0	6/1	446
Janthina-XLP	1/0	7	4	2	6/1	392
Runcina-XLP	2/0	7	4	2/0	6/1	536
Razor-XLP	4/0	7	4	4/0	6/1	830
Zuzara-XLP	4/0	19	4	4/0	6/1	827
		QUADRUPLEX — Four Conductor				
Hackney-XLP	4	7	3	4	6/1	238
Palomino-XLP	2	7	3	2	6/1	359
Standardbred-XLP	1/0	7	4	1/0	6/1	570
Costena-XLP	1/0	19	4	1/0	6/1	568
Stallion-XLP	4/0	7	4	4/0	6/1	1075
Appaloosa-XLP	4/0	19	4	4/0	6/1	1070

Packaging: As required.

TRIPLEX SECONDARY UD CABLE

Aluminum Conductors — 600 Volts — 90°C



Three conductors, insulated with cross link polyethylene — black on two phase conductors, yellow on neutral — cabled without covering. For direct burial or installation in ducts. Also available in Type USE.

Phase Conductors Size AWG or MCM	Phase Conductors No. Strands	Neutral Size AWG	Neutral No. Strands	Insulation Thickness Inches Phase	Insulation Thickness Inches Neut.	Nom. Wt. Lbs. M Ft.
2	7	4	7	.062	.045	260
1/0	19	2	7	.078	.045	410
2/0	19	1	19	.078	.055	490
3/0	19	1/0	19	.078	.055	604
4/0	19	2/0	19	.078	.055	710
250	37	3/0	19	.094	.055	900
350	37	4/0	19	.094	.055	1195

Packaging: 1000' reels.

TWIN CONCENTRIC SECONDARY UD CABLE

Aluminum Conductors — 600 Volts — 90°C



Two conductors, insulated with cross link polyethylene, are laid parallel with a bare, coated-copper concentric neutral over them. For direct burial.

Phase Conductors Size AWG or MCM	Phase Conductors No. Str.	Copper Neutral Size AWG	Copper Neutral No. Str.	Neutral Equivalent Alum. Size AWG	Insul. Thick. In.	O.D. Inches Min.	O.D. Inches Maj.	Nom. Wt. Lbs. M Ft.
2	7	14	6	4	.062	.54	.96	280
1/0	19	14	10	2	.078	.66	1.18	445
2/0	19	14	13	1	.078	.70	1.28	550
3/0	19	14	16	1/0	.078	.75	1.38	680
4/0	19	14	20	2/0	.078	.81	1.50	840
250	37	14	24	3/0	.094	.89	1.66	1000
350	37	12	21	4/0	.094	1.03	1.90	1360

Packaging: 1000' reels.

BARE ARMORED GROUND WIRE



Used for grounding interior wiring systems where it is necessary to protect the copper conductor from mechanical injury. Interlocking flexible steel armor overall.

Size AWG	No. Conductors	O.D. In.	Coil Length Ft.	Net Wt. Lbs. M Ft.
8	1	.225	250	136
6	1	.260	250	168
4	1	.378	250	241

Price on Application

STYLE 175HMP CONCENTRIC PRIMARY UD CABLE

Aluminum Conductor — 15,000 Volts — 75°C



Two-conductor cable consisting of aluminum conductor insulated with .175 inch high-molecular-weight polyethylene plus .030 inch conductive insulation shield with bare, coated-copper concentric neutral approximately equivalent to power conductor.

Power Conductor Size AWG	Power Conductor No. Strands	Copper Neutral Size AWG	Copper Neutral No. Strands	O.D. Over Ins. Shld. Inches	Nom. Wt. Lbs. M Ft.
2	Sol.	14	10	.74	355
2	7	14	10	.76	365
1/0	Sol.	14	16	.81	500
1/0	19	14	16	.85	525
2/0	19	12	13	.89	625
3/0	19	12	16	.94	750
4/0	19	12	20	1.00	895

Packaging: 2500' reels.

STYLE 175XLP CONCENTRIC PRIMARY UD CABLE

Aluminum Conductor — 15,000 Volts — 90°C



Two-conductor cable consisting of aluminum conductor insulated with .175 inch cross link polyethylene plus .030 inch conductive insulation shield with bare, coated-copper concentric neutral approximately equivalent to power conductor.

Power Conductor Size AWG	Power Conductor No. Strands	Copper Neutral Size AWG	Copper Neutral No. Strands	O.D. Over Ins. Shld. Inches	Nom. Wt. Lbs. M Ft.
2	Sol.	14	10	.74	355
2	7	14	10	.76	365
1/0	Sol.	14	16	.81	500
1/0	19	14	16	.85	525
2/0	19	12	13	.89	625
3/0	19	12	16	.94	750
4/0	19	12	20	1.00	895

Packaging: 2500' reels.

STYLE 220HMP CONCENTRIC PRIMARY UD CABLE

Aluminum Conductor — 15,000 Volts — 75°C



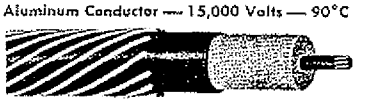
Two-conductor cable consisting of aluminum conductor insulated with .220 inch high-molecular-weight polyethylene plus .030 inch conductive insulation shield with bare, coated-copper concentric neutral approximately equivalent to power conductor.

Power Conductor Size AWG	Power Conductor No. Strands	Copper Neutral Size AWG	Copper Neutral No. Strands	O.D. Over Ins. Shld. Inches	Nom. Wt. Lbs. M Ft.
2	Sol.	14	10	.85	400
2	7	14	10	.87	430
1/0	Sol.	14	16	.92	545
1/0	19	14	16	.94	585
2/0	19	12	13	.99	680
3/0	19	12	16	1.04	815
4/0	19	12	20	1.09	965

Packaging: 2500' reels.

STYLE 220XLP CONCENTRIC PRIMARY UD CABLE

Aluminum Conductor — 15,000 Volts — 90°C



Two-conductor cable consisting of aluminum conductor insulated with .220 inch cross link polyethylene plus .030 inch conductive insulation shield with bare, coated-copper concentric neutral approximately equivalent to power conductor.

Power Conductor Size AWG	Power Conductor No. Strands	Copper Neutral Size AWG	Copper Neutral No. Strands	O.D. Over Ins. Shld. Inches	Nom. Wt. Lbs. M Ft.
2	Sol.	14	10	.85	400
2	7	14	10	.87	430
1/0	Sol.	14	16	.92	545
1/0	19	14	16	.94	585
2/0	19	12	13	.99	680
3/0	19	12	16	1.04	815
4/0	19	12	20	1.09	965

Packaging: 2500' reels.

PRE-ASSEMBLED ALUMINUM-SHEATHED WIRING SYSTEM



A 600-volt aluminum-sheathed wiring system has two or more individual, insulated conductors enclosed in a liquid- and gas-tight, corrosion-resistant aluminum sheath. It is tested after assembly in the factory — shipped on a reel or in a coil, ready to install and energize.

The entire system has UL approval under N.E.C. standards for indoor and outdoor, exposed or concealed, wet or dry locations; also hazardous (Classes I & II, Div. 2) areas.

These wiring systems are available with Type RHH-RHW insulation in constructions of 2-19 conductors size #14 and 12 Awg, 2-7 conductors #10 Awg, 2-4 conductors #8 Awg, and 3-4 conductors #6, 4 and 2 Awg; also composite constructions of 6 or 8 conductors of varying sizes.

Conductors are also available with Type XHHW insulation.

Systems may also be specified with silicone rubber insulation for continuous operation at 125°C. Constructions are available with 2-19 conductors size #14 and 12 Awg, 2-7 conductors #10 Awg, and 3 conductors #8, 6, 4 and 2 Awg.

For corrosive environments, these wiring systems may be obtained with a PVC or Neoprene jacket over the aluminum sheath.

PREASSEMBLED "CABLE-IN-CONDUIT"

Copper and Aluminum Conductor — 600 Volts



Two and three conductor cables preassembled within a flexible Polyethylene duct making a single unit. Overcomes wasteful installation of short lengths of duct, joined by many couplings. Instead, single long lengths of coilable plastic duct, already containing the required number of parallel conductors, are shipped on reels.

Available in Types THW and RHW-USE with all conductors insulated or with two insulated and one bare neutral. Rated 75° in wet or dry locations.

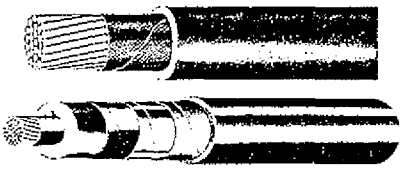
Also supplied with power conductors insulated with cross link Polyethylene for service up to 15000 volts, 90°C wet or dry.

Size AWG	No. Strands	Thickness Insul. 64th In.	Thickness Jacket In.	Duct Size, In. 2 Cond.	Duct Size, In. 3 Cond.	Duct Size, In. 2 Insul. Cond. & 1 Bare Neutral
Type THW Insulation						
12	7	3	...	¾	¾	¾
10	7	3	...	¾	¾	¾
8	7	4	...	¾	1	¾
6	7	4	...	1	1	1
4	7	4	...	1¼	1¼	1¼
2	7	4	...	1¼	1¼	1¼
1	19	5	...	1½	1½	1½
1/0	19	5	...	1½	2	1½
2/0	19	5	...	1½	2	2
3/0	19	5	...	2	2	2
4/0	19	5	...	2	2	2
Type RHW-USE Insulation—Neoprene Jacket						
12	1	3	.030	¾	¾	¾
10	1	3	.030	1	1	1
8	1	4	.030	1	1¼	1
6	7	4	.030	1¼	1¼	1¼
4	7	4	.030	1¼	1¼	1¼
2	7	4	.030	1½	1½	1½
1	19	5	.045	1½	2	2
1/0	19	5	.045	2	2	2
2/0	19	5	.045	2	2	2
3/0	19	5	.045	...	...	2

Packaging: Cutting lengths as desired.

CROSS LINK POLYETHYLENE HIGH VOLTAGE POWER CABLE

Single Conductor — Copper and Aluminum
5000 and 15000 Volts



Single conductor cross link Polyethylene insulated cable with Polyvinyl Chloride jacket suitable for use in wet or dry locations at temperatures not exceeding 90°C. May be installed in conduit or duct or other recognized raceways as well as aerially and buried direct. Manufactured to IPCEA Specifications.

Size AWG or MCM	No. Strands	Thickness Insul.	Thickness Jacket	O.D. In.	Net Wt. Lbs. M Ft. Copper	Net Wt. Lbs. M Ft. Aluminum
Unshielded — 5000 Volts						
8	7	.110	...	.40	96	...
6	7	.110	...	.44	132	71
4	7	.110	...	.49	190	98
2	7	.110	...	.54	275	135
1	19	.110	...	.58	340	145
1/0	19	.110	...	.62	409	175
2/0	19	.110	...	.67	503	205
3/0	19	.110	...	.72	618	245
4/0	19	.110	...	.78	776	295
250	37	.120	...	.85	900	350
300	37	.120	...	.90	1063	405
350	37	.120	...	.95	1240	460
400	37	.120	...	1.00	1386	520
500	37	.120	...	1.09	1781	625
600	61	.130	...	1.19	2055	750
750	61	.130	...	1.29	2545	910
1000	61	.130	...	1.45	3395	1180
Shielded — 5000 Volts						
6	7	.090	.060	.56	216	170
4	7	.090	.060	.62	280	195
2	7	.090	.060	.68	371	240
1	19	.090	.060	.72	444	270
1/0	19	.090	.060	.76	526	300
2/0	19	.090	.060	.81	627	380
3/0	19	.090	.080	.90	783	430
4/0	19	.090	.080	.96	942	490
250	37	.090	.080	1.01	1078	555
300	37	.090	.080	1.06	1253	615
350	37	.090	.080	1.12	1427	685
500	37	.090	.080	1.25	1942	870
750	61	.100	.080	1.46	2806	1180
1000	61	.100	.080	1.60	3641	1490
Shielded—15000 Volts—Grounded Neutral						
2	7	.175	.080	.94	620	360
1	19	.175	.080	.98	708	395
1/0	19	.175	.080	1.02	803	430
2/0	19	.175	.080	1.07	918	475
3/0	19	.175	.080	1.12	1050	530
4/0	19	.175	.080	1.18	1230	600
250	37	.175	.080	1.23	1370	635
300	37	.175	.080	1.28	1560	735
350	37	.175	.080	1.33	1750	800
500	37	.175	.080	1.46	2293	1000
750	61	.175	.080	1.65	3390	1320
1000	61	.175	.110	1.88	4260	1750
Shielded—15000 Volts—Ungrounded Neutral						
1	19	.215	.080	1.07	952	450
1/0	19	.215	.080	1.11	1046	490
2/0	19	.215	.080	1.15	1170	540
3/0	19	.215	.080	1.21	1308	595
4/0	19	.215	.080	1.26	1487	665
250	37	.215	.080	1.31	1702	730
300	37	.215	.080	1.37	1930	805
350	37	.215	.080	1.42	2156	875
500	37	.215	.080	1.55	2667	1080
750	61	.215	.080	1.80	3606	1515
1000	61	.215	.110	1.97	4493	1840

Packaging: Cutting lengths as desired.

CROSS LINK POLYETHYLENE AERIAL CABLE

Copper Conductor — 600 Volts



Three conductor cross link Polyethylene insulated cable with 30% EHS copper-clad steel messenger for use in various aerial power cable installations in industrial and electric utility systems. Maximum operating temperature 90°C.

Cables are also available in three-conductor, 5000-volt shielded or unshielded construction and three-conductor, 15000-volt shielded construction.

Size AWG or MCM	No. Strands	Insul. Thick. In.	O.D. In.	Mess. Size (*)	Net Wt. Lbs. M Ft.
8	7	.045	.58x .84	3-#8	374
6	7	.045	.64x .92	3-#8	551
4	7	.045	.75x1.02	3-#8	710
2	7	.045	.88x1.15	3-#8	899
1	19	.055	1.01x1.29	3-#8	1190
1/0	19	.055	1.11x1.39	3-#8	1402
2/0	19	.055	1.21x1.51	3/16"	1824
3/0	19	.055	1.32x1.62	3/16"	2050
4/0	19	.055	1.44x1.83	1/4"	2697
250	37	.065	1.59x1.97	1/4"	3041
350	37	.065	1.81x2.30	1/2"	4447
500	37	.065	2.10x2.67	5/16"	5942
750	61	.080	2.59x3.11	5/16"	8592

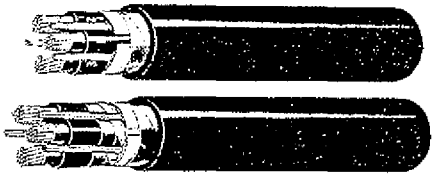
*Heavy loading span, 150'. Max. sag at 60°F., 2.5'.

Packaging: Cutting lengths as desired.

These data are approximate and subject to normal manufacturing tolerances.

CROSS LINK POLYETHYLENE POWER CABLE

Three and Four Conductor — Copper
600, 5000 and 15000 Volts



Three and four conductor cross link Polyethylene insulated cable with ground wires and Polyvinyl Chloride jacket. Suitable for use in wet or dry locations at temperatures not exceeding 90°C. May be installed in conduit, open air, aerially or buried direct. 5000- and 15000-volt cables are manufactured to IPCEA Specifications.

Size AWG or MCM	No. Strands	Thickness Insul.	Thickness Jacket	O.D. In.	Grd. Wire Size	Net Wt. Lbs. M Ft.
Three Conductor — 600 Volts — Unshielded						
8	7	.045	.060	.66	16	348
6	7	.045	.060	.74	14	522
4	7	.045	.060	.89	12	713
2	7	.045	.080	1.02	10	989
1	19	.055	.080	1.15	8	1269
1/0	19	.055	.080	1.24	8	1493
2/0	19	.055	.080	1.34	6	1720
3/0	19	.055	.080	1.45	5	2150
4/0	19	.055	.080	1.57	5	2732
250	37	.065	.110	1.78	4	3075
350	37	.065	.110	2.00	2	4095
500	37	.065	.110	2.29	1	5545
750	61	.080	.140	2.84	2/0	8972
Four Conductor — 600 Volts — Unshielded						
8	7	.045	.060	.72	14	364
6	7	.046	.060	.81	12	584
4	7	.046	.080	.97	10	801
2	7	.045	.080	1.12	8	1185
1	19	.055	.080	1.27	6	1589
1/0	19	.055	.080	1.37	6	1859
2/0	19	.055	.080	1.48	4	2268
3/0	19	.056	.080	1.60	4	2747
4/0	19	.055	.110	1.80	3	3504
250	37	.065	.110	1.96	2	4041
350	37	.065	.110	2.22	1	5548
500	37	.065	.110	2.53	2/0	7526
750	61	.080	.140	3.15	4/0	10893
Three Conductor — 5000 Volts — Unshielded						
8	7	.110	.080	1.02	16	576
6	7	.110	.080	1.10	14	703
4	7	.110	.080	1.21	12	925
2	7	.110	.080	1.33	10	1212
1	19	.110	.080	1.42	8	1462
1/0	19	.110	.080	1.51	8	1736
2/0	19	.110	.080	1.61	6	2125
3/0	19	.110	.110	1.78	5	2623
4/0	19	.110	.110	1.90	5	3088
250	37	.120	.110	2.05	4	3593
350	37	.120	.110	2.27	2	4669
500	37	.120	.110	2.57	1	5345
750	61	.130	.140	3.06	2/0	9379
Three Conductor — 5000 Volts — Shielded						
8	7	.090	.080	1.03	16	582
6	7	.090	.080	1.11	14	727
4	7	.090	.080	1.22	12	908
2	7	.090	.080	1.35	10	1157
1	19	.090	.080	1.43	8	1428
1/0	19	.090	.080	1.52	8	1652
2/0	19	.090	.080	1.62	6	2061
3/0	19	.090	.110	1.79	5	2465
4/0	19	.090	.110	1.91	5	3056
250	37	.090	.110	2.01	4	3536
350	37	.090	.110	2.24	2	4643
500	37	.090	.110	2.53	1	5333
750	61	.100	.140	3.03	2/0	9284
Three Conductor — 15000 Volts — Shielded Grounded Neutral						
2	7	.175	.110	1.77	10	1824
1	19	.175	.110	1.86	8	2229
1/0	19	.175	.110	1.95	8	2478
2/0	19	.175	.110	2.05	6	2747
3/0	19	.175	.110	2.16	5	3272
4/0	19	.175	.110	2.28	5	3871
250	37	.175	.110	2.38	4	4433
350	37	.175	.110	2.61	2	5648
500	37	.175	.140	2.95	1	7273
Three Conductor — 15000 Volts — Shielded Ungrounded Neutral						
1	19	.215	.110	2.03	8	2394
1/0	19	.215	.110	2.12	8	2840
2/0	19	.215	.110	2.22	6	3178
3/0	19	.215	.110	2.33	5	3615
4/0	19	.215	.110	2.45	5	4240
250	37	.215	.110	2.55	4	4849
350	37	.215	.140	2.84	2	5984
500	37	.215	.140	3.12	1	7780

Packaging: Cutting lengths as desired.

Price on Application

CROSS LINK POLYETHYLENE INTERLOCKED GALVANIZED STEEL ARMOR CABLE

With Type RHH or RHW Conductors

Copper and Aluminum Conductor — 600 Volts



Three and four conductor cross link Polyethylene insulated cable with galvanized steel armor. Suitable for power circuits in central and substations, industrial plants and similar locations. Maximum operating temperatures: 90°C in dry location and 75°C in wet locations. Listed by UL as Type MC cable.

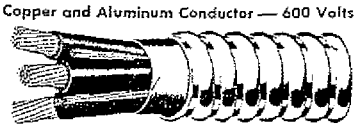
Size AWG or MCM	No. Strands	Insul. Thick. In.	O.D. In.	Grd. Wire Size Cu	Grd. Wire Size Al	Net Wt. Lbs. M Ft. Cu	Net Wt. Lbs. M Ft. Al
			Three Conductor				
4	7	.062	1.02	12	—	938	—
2	7	.062	1.16	10	12	1289	772
1	19	.078	1.31	8	10	1651	974
1/0	19	.078	1.46	8	10	2028	1193
2/0	19	.078	1.50	6	8	2516	1475
3/0	19	.078	1.61	5	8	3150	1836
4/0	19	.078	1.73	5	6	3930	2277
250	37	.094	1.90	4	6	4438	2509
350	37	.094	2.13	2	5	6095	3372
500	37	.094	2.41	1	3	8392	4500
750	61	.109	2.91	2/0	1	11732	5902
1000	61	.109	3.25	3/0	1/0	14895	6872
			Four Conductor				
4	7	.062	1.08	10	—	1118	—
2	7	.062	1.26	8	10	1776	1088
1	19	.078	1.44	6	8	2138	1233
1/0	19	.078	1.54	6	8	2584	1482
2/0	19	.078	1.65	4	6	3332	1948
3/0	19	.078	1.87	4	6	4148	2407
4/0	19	.078	1.91	3	4	4841	2648
250	37	.094	2.10	2	4	5625	3069
350	37	.094	2.36	1	3	7588	3957
500	37	.094	2.67	2/0	1	10792	5609
750	61	.109	3.23	4/0	1/0	14587	6815
1000	61	.109	3.61	250	3/0	18432	8000

Note: Can be jacketed with Polyethylene or Polyvinyl Chloride in colors.

Packaging: Cutting lengths as desired.

CROSS LINK POLYETHYLENE INTERLOCKED ALUMINUM ARMOR CABLE

Copper and Aluminum Conductor — 600 Volts



Three and four conductor cross link Polyethylene insulated cable with aluminum armor. Suitable for power circuits in central and substations, industrial plants and similar locations. For indoor and outdoor installation. Maximum operating temperature 90°C.

Also available in three and four conductor constructions for 5000-volt service, three conductor for 15,000-volt.

Size AWG or MCM	No. Strands	Insul. Thick. In.	O.D. In.	Grd. Wire Size Cu and Al	Ship. Wt. Lbs. M Ft. Cu	Ship. Wt. Lbs. M Ft. Al
			Three Conductor			
8	7	.045	.76	16	424	—
6	7	.045	.84	14	567	—
4	7	.045	.95	12	857	—
2	7	.045	1.08	10	1192	675
1	19	.055	1.21	8	1514	837
1/0	19	.055	1.30	8	1862	1027
2/0	19	.055	1.40	6	2321	1280
3/0	19	.055	1.51	5	2936	1622
4/0	19	.055	1.63	5	3542	1879
250	37	.065	1.78	4	4087	2354
350	37	.065	2.00	2	5571	2848
500	37	.065	2.29	1	7783	3896
750	61	.080	2.78	2/0	10780	5957
			Four Conductor			
8	7	.045	.82	14	504	—
6	7	.045	.91	12	722	—
4	7	.045	1.03	10	1026	—
2	7	.045	1.18	8	1633	945
1	19	.055	1.33	8	1979	1074
1/0	19	.055	1.43	6	2384	1282
2/0	19	.055	1.54	4	3089	1705
3/0	19	.055	1.68	4	3839	2098
4/0	19	.055	1.80	3	4482	2289
250	37	.065	1.96	2	5193	2637
350	37	.065	2.22	1	7012	3371
500	37	.065	2.53	2/0	9947	4762
750	61	.080	3.09	4/0	13224	5452

Note: Can be jacketed with Polyethylene or Polyvinyl Chloride in colors.

Packaging: Cutting lengths as desired.

BUS DROP POWER CABLE

Copper Conductor — 600 Volts



Three conductor Polyvinyl Chloride insulated cable with ground wires, cabled with jute fillers, Mylar tape and Polyvinyl Chloride jacket overall. Suitable for use to connect branch circuit runs between overhead bus feeders, open or enclosed, to machine tools, factory equipment, etc., where resistance to water, oils, and lubricants is highly important. Maximum operating temperature 60°C.

Size AWG	No. Strands	Thickness 64th In. Insul.	Thickness 64th In. Jacket	Each Gr'd. Wire Size	O.D. In.	Net Wt. Lbs. M Ft.
14	7	2	3	18	.39	126
12	7	2	3	18	.43	154
10	7	2	3	16	.49	203
8	7	3	4	14	.65	328
6	7	4	4	12	.79	510
4	7	4	5	10	.93	701
2	7	4	5	8	1.06	1056

Packaging: Cutting lengths as desired.

TRAY OR CONTROL CABLE VINYL-JACKETED

Copper Conductor — 600 Volts



Stranded conductors insulated with PVC and sheathed with a 5-mil wall of nylon, cabled together with a PVC sheath overall. Suitable for general control applications operating at 90°C, dry or moist, in conduits and ducts, installed aerially or buried direct.

No. Conductors	Jacket Thick. In.	O.D. In.	Net Wt. Lbs. M Ft.	Jacket Thick. In.	O.D. In.	Net Wt. Lbs. M Ft.
	16 AWG (26/30)			14 AWG (19/27)		
2 (Flat)	.045	.200x.295	42	.045	.240x.325	55
2	.045	.310	47	.045	.325	61
3	.045	.310	58	.045	.345	78
4	.045	.335	72	.045	.375	97
5	.045	.360	85	.045	.405	116
6	.045	.395	98	.045	.440	136
7	.045	.395	108	.045	.440	151
8	.045	.420	123	.045	.475	171
9	.045	.455	138	.045	.510	194
10	.045	.490	149	.060	.585	227
11	.045	.505	165	.060	.605	246
12	.045	.505	174	.060	.605	261
13	.060	.560	204	.060	.630	284
14	.060	.560	213	.060	.630	298
15	.060	.590	230	.060	.665	324
16	.060	.590	240	.060	.665	337
17	.060	.620	258	.060	.700	362
18	.060	.620	270	.060	.700	376
19	.060	.620	276	.060	.700	389
20	.060	.650	296	.060	.735	416
21	.060	.650	302	.060	.735	428
22	.060	.680	321	.060	.770	457
23	.060	.680	331	.060	.770	467
24	.060	.720	344	.060	.815	486
	12 AWG (19/25)			10 AWG (19/23)		
2 (Flat)	.045	.260x.365	74	.045	.260x.430	109
2	.045	.365	82	.045	.430	121
3	.045	.385	108	.045	.455	163
4	.045	.420	136	.045	.530	224
5	.045	.460	165	.045	.585	266
6	.045	.500	185	.060	.640	317
7	.045	.500	216	.060	.640	349
8	.060	.570	262	.060	.690	396
9	.060	.615	294	.060	.690	446
10	.060	.665	324	.080	.750	521
11	.060	.685	355	.080	.822	574
12	.060	.685	376	.080	.822	606
13	.060	.720	409	.080	.905	693
14	.060	.720	430	.080	.961	784
15	.060	.760	465	.080	1.061	967
16	.060	.760	486			
17	.060	.800	522	—	—	—
18	.060	.800	543	—	—	—
19	.060	.800	566	—	—	—
20	.080	.880	636	—	—	—
21	.080	.880	655	—	—	—
22	.080	.925	698	—	—	—
23	.080	.925	716	—	—	—
24	.080	.975	745	—	—	—

*No. 10AWG has 20-mil PVC insulation

POWER CABLE

Copper Conductor — 600 Volts



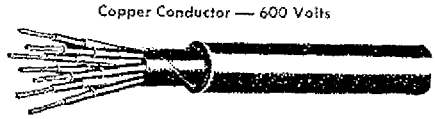
Single conductor, insulated with silicone rubber and covered by a heavy duty asbestos braid with a heat and moisture resistant finish. Maximum operating temperature 125°C.

Size AWG or MCM	No. Strands	Thickness Insul. 64th In.	Thickness Braid Mils	O.D. In.	Net Wt. Lbs. M Ft.
14	7	3	40	.252	39
12	7	3	40	.271	44
10	7	3	40	.295	66
8	7	4	45	.358	102
6	7	4	45	.399	141
4	7	4	45	.447	203
2	7	4	45	.507	294
1	19	5	45	.577	374
1/0	19	5	45	.619	453
2/0	19	5	45	.665	549
3/0	19	5	45	.716	673
4/0	19	5	45	.774	822
250	37	6	45	.853	976
300	37	6	45	.903	1148
350	37	6	45	.959	1318
500	37	6	45	1.091	1823

Packaging: Sizes 14 through 8 AWG, 500′ coil; 6 AWG and larger, 500′ reel.

TRAY OR CONTROL CABLE NEOPRENE-JACKETED

Copper Conductor — 600 Volts



Stranded conductors insulated with PVC and sheathed with a 5-mil wall of nylon, cabled together with a Neoprene sheath overall. Suitable for general control applications operating at 90°C, dry or moist, in conduits and ducts, installed aerially or buried direct.

No. Conductors	Jacket Thick. In.	O.D. In.	Net Wt. Lbs. M Ft.	Jacket Thick. In.	O.D. In.	Net Wt. Lbs. M Ft.
	16 AWG (19/29)			14 AWG (19/27)		
2	.055	.292	47	.050	.320	59
3	.055	.306	58	.050	.337	66
4	.050	.332	72	.050	.366	96
5	.050	.360	82	.050	.398	109
6	.050	.389	95	.050	.431	129
7	.050	.389	103	.050	.431	144
8	.050	.453	127	.050	.505	171
9	.050	.485	139	.060	.562	206
10	.060	.496	147	.060	.562	218
11	.060	.500	160	.060	.590	238
12	.060	.500	168	.060	.590	250
13	.060	.558	202	.060	.619	274
14	.060	.558	209	.060	.619	288
15	.060	.586	218	.060	.651	306
16	.060	.586	227	.060	.651	315
17	.060	.615	246	.060	.684	340
18	.060	.615	254	.060	.684	352
19	.060	.615	264	.060	.684	368
21	.060	.683	310	.080	.758	418
24	.060	.712	328	.080	.784	460
30	.060	.752	395	.080	.872	585
37	.080	.810	470	.080	.937	695
	12 AWG (19/25)			10 AWG (19/23)		
2	.050	.358	89	.050	.465	135
3	.050	.378	102	.050	.490	174
4	.050	.412	131	.060	.565	225
5	.050	.449	154	.060	.610	278
6	.060	.488	182	.060	.660	331
7	.060	.488	200	.060	.660	356
8	.060	.604	257	.060	.715	405
9	.060	.636	286	.060	.765	458
10	.060	.636	310	.080	.875	534
11	.060	.669	336	.080	.900	591
12	.060	.669	355	.080	.900	616
13	.060	.703	389	.080	.945	677
14	.060	.703	407	.080	.945	702
15	.060	.740	425	.080	.995	773
16	.060	.740	457	.080	.995	798
17	.080	.779	489	.080	.995	867
18	.080	.779	510	.080	1.045	892
19	.080	.779	530	.080	1.045	917
21	.080	.895	625	—	—	—
24	.080	.927	692	—	—	—
30	.080	.994	842	—	—	—
37	.080	1.070	1010	—	—	—

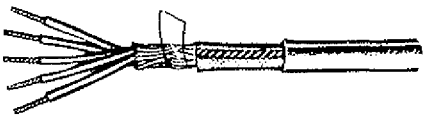
No. 10AWG has 20-mil PVC insulation.

Price on Application

These data are approximate and subject to normal manufacturing tolerances.

VINYL-JACKETED CONTROL CABLE

Copper Conductor — 600 Volts



Flexible conductors, color-coded low-density polyethylene, cabled, mylar wrap, shielding braid, with chrome PVC jacket. For instruments in sensing, recording, monitoring devices, video and audio applications.

No. Cdrs.	Jacket Thick. In.	Nom. O.D. In.
	No. 24 AWG (10/34) — .012" Insulation	
2	.020	.160
3	.020	.165
4	.020	.180
5	.020	.195
6	.020	.210
	No. 22 AWG (16/30) — .012" Insulation	
2	.020	.170
3	.020	.180
4	.020	.195
5	.020	.210
6	.020	.225
8	.025	.260
	No. 20 AWG (26/34) — .014" Insulation	
2	.025	.205
3	.030	.225
4	.030	.240
5	.030	.260
6	.030	.280
8	.035	.310
10	.035	.345
12	.035	.360
	No. 18 AWG (41/34) — .016" Insulation	
2	.030	.245
3	.030	.255
4	.030	.275
6	.035	.335
	No. 16 AWG (65/34) — .020" Insulation	
2	.035	.295
3	.035	.310
4	.035	.335

MULTI-CONDUCTOR SHIELDED CONTROL CABLE

Copper Conductor — 600 or 1000 Volts — 105°C



Stranded conductors, 105°C PVC, with or without nylon, cabled, mylar wrap, shielding braid, with chome gray 105°C PVC jacket. For instruments, sensing and recording devices, data transmission.

No. Cdrs.	Jacket Thick. In.	Nom. O.D. In.	No. Cdrs.	Jacket Thick. In.	Nom. O.D. In.
	MINIATURE SHIELDED CONTROL CABLE — 600 VOLTS				
	No. 28 Awg (7/36) — .010" Insulation				
4	.013	.135	14	.021	.215
5	.014	.140	16	.022	.225
6	.015	.150	19	.024	.245
8	.017	.170	27	.028	.280
10	.018	.185	37	.031	.325
12	.020	.200	—	—	—
	GENERAL-PURPOSE SHIELDED CONTROL CABLE — 600 VOLTS				
	No. 22 Awg (19/34) — .010" Insulation — Nylon Jacket				
4	.019	.190	14	.030	.330
5	.021	.210	16	.031	.350
6	.022	.230	19	.035	.380
8	.025	.255	27	.040	.445
10	.026	.280	37	.047	.515
12	.028	.305	48	.053	.590
	HEAVY-DUTY SHIELDED CONTROL CABLE — 1000 VOLTS				
	No. 18 Awg (19/30) — .016" Insulation — Nylon Jacket				
4	.029	.260	16	.049	.535
5	.030	.310	19	.052	.580
6	.032	.340	27	.061	.680
8	.036	.390	37	.070	.790
10	.040	.430	48	.080	.900
12	.043	.460	60	.090	1.010
14	.046	.500	—	—	—
	No. 16 Awg (19/29) — .016" Insulation — Nylon Jacket				
4	.031	.325	12	.047	.510
5	.033	.345	16	.053	.590
6	.035	.370	19	.057	.630
8	.040	.425	27	.067	.760
10	.043	.470	—	—	—

These data are approximate and subject to normal manufacturing tolerances.

TYPE 2010 GENERAL PURPOSE AND STATION CONTROL CABLE

Copper Conductor — 600 Volts — 75°C

Insulated conductor with 20 mils of Polyethylene and then covered with 10 mils of Polyvinyl Chloride for double-wall insulation, color coded. Polyvinyl Chloride jacket overall provides protection against moisture and flame and resistance to oils, grease, acids, and chemicals.



No. Conductors	16 AWG* (7x.0152" Strands) Outer Jacket Thick. Mils	O.D. In.	Net Wt. Lbs. M Ft.	14 AWG* (7x.0242" Strands) Outer Jacket Thick. Mils	O.D. In.	Net Wt. Lbs. M Ft.	12 AWG* (7x.0305" Strands) Outer Jacket Thick. Mils	O.D. In.	Net Wt. Lbs. M Ft.	10 AWG* (7x.0385" Strands) Outer Jacket Thick. Mils	O.D. In.	Net Wt. Lbs. M Ft.
1	25	.14	14	25	.174	22	25	.193	31	25	.217	44
2†	45	†	44	45	†	61	45	†	80	45	†	108
3	45	.35	67	45	.405	94	45	.446	120	45	.498	170
4	45	.38	81	45	.441	115	45	.487	154	60	.577	229
5	45	.41	94	45	.480	140	45	.531	190	60	.628	282
6	45	.44	111	45	.522	158	60	.611	229	60	.683	324
7	45	.44	120	45	.522	173	60	.611	256	60	.683	360
8	45	.48	138	60	.596	214	60	.658	293	60	.738	413
9	45	.51	156	60	.637	240	60	.706	326	60	.792	465
10	60	.58	191	60	.693	271	60	.769	365	80	.909	549
12	60	.60	215	60	.715	306	60	.794	425	80	.938	636
14	60	.63	243	60	.750	351	60	.834	485	80	.984	732
15	60	.64	259	60	.769	374	60	.856	523	80	1.009	781
16	60	.66	267	60	.790	390	80	.924	574	80	1.036	812
18	60	.68	302	60	.832	435	80	.971	642	80	1.091	907
19	60	.69	310	60	.832	449	80	.971	663	80	1.091	945
20	60	.73	318	80	.918	514	80	1.018	708	80	1.146	998
22	60	.76	334	80	.959	557	80	1.066	771	80	1.200	1083
24	60	.81	351	80	1.015	616	80	1.129	848	80	1.273	1189
25	60	.81	397	80	1.015	622	80	1.129	876	80	1.273	1232
26	60	.81	417	80	1.015	653	80	1.129	903	80	1.273	1270
27	60	.84	434	80	1.036	672	80	1.153	932	80	1.301	1312
28	60	.86	451	80	1.048	693	80	1.167	962	80	1.316	1355
30	80	.90	490	80	1.071	740	80	1.192	1027	80	1.346	1448
32	80	.92	518	80	1.091	781	80	1.216	1086	80	1.373	1534
34	80	.94	546	80	1.154	823	80	1.287	1148	80	1.455	1614
37	80	.96	588	80	1.154	863	80	1.287	1198	80	1.455	1741

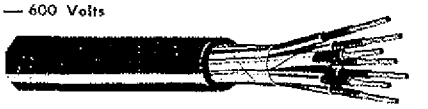
*Size 16 AWG also supplied in 26 strands. Sizes 14, 12 and 10 AWG also supplied in 19 strands.
†Flat cable. 16 AWG—.21x.33 O.D.; 14 AWG—.233x.366 O.D. 12 AWG—.252x.404 O.D.; 10 AWG—.276x.452 O.D.; 9 AWG—.291x.482 O.D.

Note: Size 16 AWG approved with 15 mils of Polyethylene insulation and 10 mils of Polyvinyl Chloride.
Note: Can be supplied in any number of conductors required.

TYPE SO PORTABLE CONTROL CABLE

Copper Conductor — 600 Volts

Extra flexible conductor with rubber insulation and Neoprene jacket overall. Suitable for connecting push-button stations to control panels, leads from temperature control devices, traffic control systems, fire alarm controls, motor leads, etc.



No. Cdrs.	2/64" Insulation 18 AWG (16/30) Jacket Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft.	16 AWG (26/30) Jacket Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft.	2/64" Insulation 14 AWG (41/30) Jacket Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft.	12 AWG (65/30) Jacket Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft.	10 AWG (104/30) Jacket Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft.
5	5	.495	128	5	.625	153	6	.685	262	6	.730	319	6	.815	419
6	5	.525	146	5	.565	177	6	.740	302	6	.800	372	6	.880	484
7	5	.565	165	5	.605	202	6	.795	329	6	.860	429	7	.980	590
8	5	.600	184	5	.645	221	6	.845	373	6	.915	472	7	1.050	652
9	5	.640	200	6	.720	266	6	.905	414	7	1.015	548	7	1.125	722
10	5	.640	208	6	.720	278	6	.905	434	7	1.015	577	7	1.125	762
12	5	.660	228	6	.740	306	6	.930	481	7	1.045	642	7	1.155	853
14	6	.715	278	6	.775	348	6	.980	556	7	1.100	740	—	—	—
16	6	.760	314	6	.825	386	7	1.075	657	7	1.155	837	7	1.240	1121
18	6	.800	347	6	.860	430	7	1.125	714	7	1.225	923	—	—	—
20	6	.835	378	6	.900	466	7	1.180	786	7	1.285	1002	8	1.460	1410
22	6	.870	409	6	.940	508	7	1.230	857	8	1.375	1144	—	—	—
24	6	.910	434	7	1.015	573	7	1.290	920	8	1.445	1230	8	1.600	1645
26	6	.910	457	7	1.015	604	7	1.290	986	8	1.445	1295	8	1.600	1748
28	7	.995	527	7	1.070	654	8	1.400	1098	8	1.525	1405	8	1.730	1885
30	7	.995	542	7	1.070	677	8	1.400	1138	8	1.525	1458	8	1.750	1960
32	7	1.035	580	7	1.115	714	8	1.460	1220	8	1.625	1503	—	—	—
34	7	1.070	615	7	1.155	781	8	1.510	1300	8	1.650	1558	9	1.834	2186
36	7	1.070	630	7	1.155	807	8	1.510	1338	8	1.755	1723	9	1.864	2290
40	7	1.140	703	7	1.235	893	8	1.640	1430	9	1.824	1998	9	1.894	2405
44	7	1.180	744	7	1.275	928	8	1.710	1619	9	1.904	2147	9	2.034	2665
48	7	1.200	788	7	1.295	1000	8	1.735	1734	9	1.934	2307	9	2.119	2894
52	7	1.230	846	8	1.365	1117	8	1.780	1843	9	1.984	2466	9	2.154	3116
56	7	1.270	905	8	1.410	1189	9	1.860	2023	9	2.044	2616	9	2.206	3340
60	7	1.305	959	8	1.470	1270	9	1.916	2152	9	2.096	2787	9	2.281	3558

Packaging: Cutting lengths as desired.

NEOPRENE-JACKETED CONTROL CABLE

Copper Conductor — 600 Volts

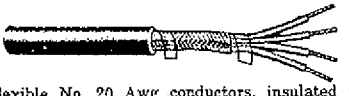


Flexible conductors, insulated with color-coded rubber, cabled, mylar wrap, shielding braid, mylar wrap, with 40-mil neoprene jacket. Outside installation, shielded power supply, instruments, low-impedance applications, audio, broadcast studio use.

No. Cdrs.	Nom. O.D. — Inches 18 AWG (41/34) .022" Ins.	16 AWG (65/34) .029" Ins.	14 AWG (41/30) .032" Ins.	12 AWG (65/30) .032" Ins.
2	.295	.330	.395	.440
3	.310	.350	.415	.465
4	.335	.380	.455	—
6	.390	—	—	—
8	.415	—	—	—

RUBBER-JACKETED CONTROL CABLE

Copper Conductor — 600 Volts



Flexible No. 20 Awg conductors, insulated with 20 mils of color-coded rubber, cabled, mylar wrap, with or without shielding braid and mylar wrap, with 35-mil rubber jacket. Inside control cable for instruments, relaying devices, microphones, audio, broadcast studio use.

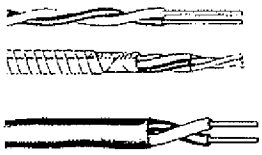
No. Cdrs.	Nom. O.D. — Inches Shield.	Unshield.
2	.260	.230
3	.270	.240
4	.290	.260
6	.335	.310
8	.360	.330
10	.400	.370
12	.415	.390

Contact Graybar for packaging information where not shown.

THERMOSTAT CABLE

Copper Conductor

Multi-conductor thermoplastic insulated cable, twisted, without overall braid or jacket, or with plastic jacket or cotton braid and steel armor. Suitable for use with thermostat controls in heating and air conditioning installations. Plastic-jacketed also used for bell and annunciator systems.



Size AWG	No. Cdrs.	No. Strds.	No Braid O.D. In.	No Braid Net Wt. Lbs. M Ft.	Plastic-Jacketed O.D. In.	Plastic-Jacketed Net Wt. Lbs. M Ft.	Steel-Armored O.D. In.	Steel-Armored Net Wt. Lbs. M Ft.
18	2	1	.140	14	.170	20	.180	32
18	3	1	.145	21	.175	28	.195	40
18	4	1	.165	27	.205	36	.215	48
18	5	1	.185	33	.225	42	.235	58
18	6	1	.205	43	.225	50	.260	67
18	7	1	.205	49	.240	56	.....	....
18	8	1	.230	55	.265	65	.....	....
16	2	1	.165	23	.205	29	.....	....
16	3	1	.170	33	.215	40	.....	....

Packaging: 500′ spool for No Braid 18/2, 18/3, 18/4, 18/5, 16/2, 16/3; Plastic 18/2, 18/3, 16/2, 16/3; Steel 18/2. 250′ spool for balance of sizes.

SILICONE RUBBER APPLIANCE AND FIXTURE WIRE

Copper Conductor — 600 Volts



Single conductor silicone rubber insulated wire with glass braid. Suitable for all types of wiring of lighting fixtures and other high wattage units such as sunlamps, therapeutic devices, etc. Sizes 12 and 10 AWG are listed by UL for use in clothes dryers.

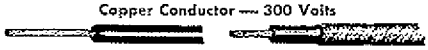
Size AWG	No. Strands	Insul. Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft.
	Type SF-2—Temperature 200°C			
18	7	2	.13	12
16	7	2	.14	16
14	7	2	.16	22
12	19	2	.18	32
10	41	3	.24	52
	Type SFF-2—Temperature 150°C			
18*	16	1	.10	9
18	16	2	.13	12
16	26	2	.14	15
14	41	2	.16	22
12	65	2	.18	32

*Type SFF-1—300 volts. Packaging: 1000′ spool.

Packaging: 500′ spool.

TYPE AF ASBESTOS FIXTURE WIRE

Copper Conductor — 300 Volts



Single conductor wire covered with felted asbestos, saturated with moisture resisting, flame retarding compound. Suitable for use in wiring hollow fixtures where space is limited, or chain fixtures with exposed wiring in dry places where temperatures do not exceed 150°C.

Type AF has asbestos insulation but not braid.

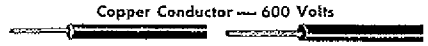
Type AF & Braid has asbestos insulation as well as cotton appearance braid overall.

Size AWG	No. Strands	Insul. Thick. 64th In.	Type AF O.D. In.	Type AF Net Wt. Lbs. M Ft.	Type AF & Braid O.D. In.	Type AF & Braid Net Wt. Lbs. M Ft.
			Solid Conductor			
18	1	2	.107	12	.132	13
16	1	2	.117	17	.142	18
14	1	2	.132	22	.157	24
12	1	3	.180	35	.205	38
10	1	3	.200	55	.225	60
			Stranded Conductor			
18	16x30	2	.112	12	.137	12
16	26x30	2	.125	17	.150	17
14	41x30	2	.142	23	.167	23
12	65x30	3	.192	35	.217	38
10	105x30	3	.215	55	.240	60

Packaging: Sizes 18 through 12 AWG, 500′ spool; 10 AWG, 250′ spool.

TYPES TF AND TFF FIXTURE WIRE

Copper Conductor — 600 Volts



Type TF Type TFF

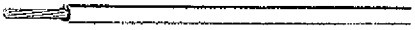
Single conductor wire with thermoplastic insulation suitable for use on lighting fixtures and other applications where temperatures do not exceed 60°C.

Size AWG	No. Strands	Insul. Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft.
		Solid Conductor		
18	1	2	.105	13
16	1	2	.115	15
		Stranded Conductor		
18	16x30	2	.112	12
16	26x30	2	.120	14

Packaging: 500′ spool.

MACHINE TOOL WIRE

Copper Conductor — 600 Volts



Single conductor Polyvinyl Chloride insulated wire rated 90°C for dry locations and 60°C where exposed to moisture, oil or coolants. MTW-THW is rated 75°C where exposed to moisture.

Size AWG or MCM	No. Strands	Insul. Thick. 64th In.	O.D. In.	Net Wt. Lbs. M Ft.
		Machine Tool and Appliance Wire 90°C		
18*	19	2	.11	10
16*	19	2	.12	14
		Machine Tool Wire 90°C and Type TW 60°C		
14†	19	2	.14	20
12†	19	2	.16	28
10†	19	2	.18	42
		Machine Tool Wire 90°C and Type THW 75°C		
14	1	3	.16	22
14	7	3	.17	24
14	19	3	.17	24
12	1	3	.18	31
12	7	3	.19	33
12	19	3	.19	33
10	1	3	.20	45
10	7	3	.21	48
10	19	3	.21	48

Standard colors available: 18 through 10 AWG — black, white, red, blue, green, orange, brown, yellow.

Packaging: *1000′ spool; †500′ spool; 14 through 10 AWG, 500′ coil.

TYPE SIS CROSS LINK SWITCHBOARD WIRE

Copper Conductor — 600 Volts



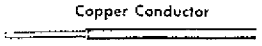
Single conductor cross link polyethylene insulated wire suitable for operation at 90°C in dry locations. Designed for wiring switchboards and industrial control panels.

Size AWG	No. Strands	Insul. Thick. In.	O.D. In.	Net Wt. Lbs. M Ft.
		Solid		
18	1	.031	.105	10
16	1	.031	.115	14
14	1	.031	.130	19
12	1	.031	.150	28
10	1	.031	.170	41
		Stranded		
18	7	.031	.112	10
16	7	.031	.123	15
14	7	.031	.140	20
12	7	.031	.160	28
10	7	.031	.180	42
8	7	.047	.250	76
6	7	.062	.320	113
		Flexible (Hinge)		
18	16	.031	.113	10
16	26	.031	.123	15
14	41	.031	.143	20
12	65	.031	.165	28
10	105	.031	.195	43
8	133	.047	.270	75
6	133	.062	.340	119
4	133	.062	.400	170

Packaging: Sizes 18 through 6 AWG, 500′ coil; size 4 AWG, 500′ reel.

These data are approximate and subject to normal manufacturing tolerances.

Copper Conductor



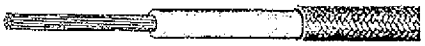
One and two conductor wire with thermoplastic insulation suitable for bells, radios, chimes, communication systems and toy electric trains.

Size AWG	No. Strands	No. Conductors	Insul. Thick. In.	O.D. In.	Net Wt. Lbs. M Ft.
20	1	1	.015	.060	5
18	1	1	.015	.070	7
18	Twisted Pair	2	.015	.140	13

Packaging: Sizes 20 AWG single conductor available in 1/4, 1 and 5 lb. spools or 25′ and 65′ coils. Size 18 AWG single conductor available in 1/4, 1/2 and 1 lb. coils or 1, 5 and 7 lb. spools. Size 18 AWG two conductor available in 500′ spools.

SILICONE RUBBER APPARATUS AND MOTOR LEAD WIRE

Copper Conductor — 600 Volts — 180°C, Class H



For leads to motors, transformers, etc., requiring a flexible wire in high temperature locations or applications.

Size AWG	Stranding	Insul. Thick. 64ths	Nom. O.D. In.	Std. Shpg. Lgth. Ft.	Wt. Lbs. M*
18	16/.010	2	.127	500′S	13
16	26/.010	2	.141	500′S	17
14	41/.010	2	.149	500′C&S	23
12	65/.010	2	.177	500′C&S	33
10	104/.010	3	.236	500′C&S	55
8	133/.0111	4	.316	500′C	90
6	133/.0140	4	.362	500′R	141
4	133/.0177	4	.418	500′R	205
2	133/.0223	4	.487	500′R	301
1	259/.0180	5	.586	500′R	402
1/0	259/.0202	5	.632	500′R	482
2/0	259/.0227	5	.685	500′R	598
3/0	259/.0255	5	.744	500′R	764
4/0	259/.0286	5	.811	500′R	888

RETRACTILE ELECTRICAL POWER CORDS



Neoprene jacketed cords of high quality that are permanently coiled into spring-like shape to provide for extension and retraction. Eliminates trailing wires, snags, tangles and trip-ups.

48″ retracted; 20′ extended. Can also be manufactured according to specifications.

For complete listings of cord sets, see pages 111—112.

No. Conductors	UL Type	Cord O.D. In.	Coil O.D. In.	Max. Work. Volt.	Rating Amps.	Wt. Lbs. Cord
		18 AWG (41x34 Strands)				
2	SVO	.260	1⅛	300	7	1.2
3	SVO	.275	1	300	7	1.5
2	SJO	.320	1 3/16	300	7	1.8
3	SJO	.350	1⅜	300	7	2.5
3	SO	.405	1⅝	600	7	3.3
4	SJO	.385	1 3/16	300	5.6	3.0
4	SO	.435	1⅝	600	5.6	3.8
5	....	.440	1⅝	300	5.6	3.9
7	....	.500	1⅞	300	5.6	5.2
		16 AWG (65x34 Strands)				
2	SJO	.360	1⅜	300	10	2.2
3	SJO	.390	1 7/16	300	10	2.7
4	SJO	.425	1½	300	8	3.5
3	SO	.470	1 13/16	600	10	4.5
4	SO	.500	1⅞	600	8	5.2
5	SO	.550	2⅛	600	...	6.5
6	....	.545	2	600	8	6.1
7*	....	.600	2¼	600	...	7.9
		14 AWG (41x30 Strands)				
2	SO	.540	2⅛	600	15	6.0
3	SO	.560	2⅛	600	15	6.7
4	SO	.605	2¼	600	12	7.5
		12 AWG (65x30 Strands)				
2	SO	.605	2¼	600	20	6.7
3	SO	.635	2⅜	600	20	7.9
4	SO	.678	2⅜	600	16	9.2
6†	....	.610	2¼	600	...	7.7

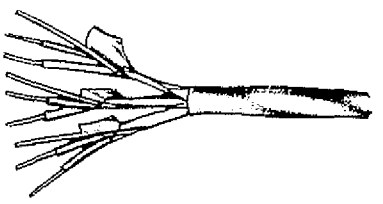
*6/16 AWG (65x34 strands) and 1/14 AWG (41x30 strands).

†2/12 AWG (65x30 strands) and 4/18 AWG (41x34 strands).

Price on Application

SHIELDED PAIRED COMMUNICATION CABLE

Copper Conductor

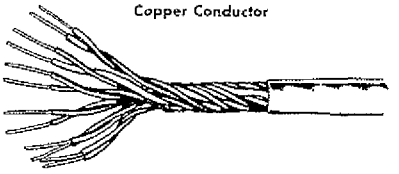


Stranded conductors, color-coded high-molecular-weight polyethylene, twisted into pairs, each pair shielded with aluminum foil and individual drain wire, pairs cabled, mylar wrap, with chrome gray PVC jacket. For multiple speaker and sound systems, shielded audio, instrumentation and data cables.

No. Pairs	No. Cdrs.	Jacket Thick. In.	Nom. O.D. In.	Jacket Thick. In.	Nom. O.D. In.
		No. 22 AWG (7/30) .010" Ins—300 Volts		No. 18 AWG (16/30) .016" Ins—600 Volts	
3	6	.020	.245	.030	.360
6	12	.025	.330	.040	.510
9	18	.030	.400	.050	.620
11	22	.035	.460	.055	.680
15	30	.040	.515	.060	.790
19	38	.045	.560		
23	46	.045	.610		
27	54	.050	.700		
31	62	.050	.740		

PAIRED INTERCOM CABLE

Copper Conductor



Solid or stranded conductors, color-coded PVC, twisted into pairs, pairs cabled, with free-stripping chrome gray PVC jacket. For intercoms, multiple speaker and sound, telephones, hospital call, signal and alarm systems.

No. Pairs	No. Cdrs.	Jacket Thick. In.	Nom. O.D. In.	No. Pairs	No. Cdrs.	Jacket Thick. In.	Nom. O.D. In.
No. 22 AWG (Solid) .010" Ins—200 Volts				No. 22 AWG (7/30) .010" Ins—200 Volts			
1	2	.020	.135	1	2	.020	.145
2	4	.020	.190	2	4	.020	.210
3	6	.020	.210	3	6	.020	.225
4	8	.020	.230	4	8	.020	.240
6	12	.020	.275	6	12	.020	.300
9	18	.020	.320	9	18	.020	.360
11	22	.020	.345	11	22	.020	.370
13	26	.025	.380	13	26	.025	.410
15	30	.025	.400	15	30	.025	.440
19	38	.030	.430	19	38	.030	.460
23	46	.030	.480	23	46	.030	.530
27	54	.035	.520	27	54	.035	.560
No. 18 AWG (16/30) .016" Ins—400 Volts				31	62	.040	.595
1	2	.020	.200	37	74	.040	.620
3	6	.025	.330	41	82	.045	.675
6	12	.035	.470	51	102	.050	.750
9	18	.040	.560				
15	30	.050	.700				

BRIDLE WIRE



Neoprene Jacketed

Used for making connections between open wire lines and wire terminals or protectors and as leads on various types of apparatus. Size 20 AWG forms fuseable connection for lightning and high voltage protection. Polarity indicated by ridged tracer on one leg.

Neoprene Jacketed—Two or three Teleplate soft copper conductors in 14 and 18 AWG, Teleplate hard copper and copper-clad steel (CWB) conductors in 20 AWG, twisted together, insulated with high quality SBR rubber and jacketed with Neoprene compound.

Size AWG & Type	O.D. In.*	Max. Cond. Resistance @68°F Ohms/M Ft.	Coil Eye In.	Wt. Lbs. M Ft.	Shpg. Pkg. Ft.
Neoprene Jacketed					
18TBC2	.140	7.50	9	36	500
18TBC3	.140	7.50	9	52	500

*Dia. is that of single leg.

UNSHIELDED AUDIO CABLE

Copper Conductor



Stranded conductors, color-coded PVC, cabled, chrome gray PVC jacket. For unbalanced intercom and sound systems, telephones, low-voltage control.

No. Cdrs.	Jacket Thick. In.	Nom. O.D. In.	No. Cdrs.	Jacket Thick. In.	Nom. O.D. In.
No. 22 AWG (7/30) — .010" Insulation — 200 Volts					
2	.020	.135	19	.025	.320
3	.020	.145	25	.025	.350
4	.020	.170	30	.030	.385
5	.020	.175	35	.030	.415
6	.020	.185	40	.035	.445
8	.020	.200	45	.035	.475
10	.020	.235	50	.040	.510
12	.020	.255	60	.040	.550
15	.020	.280	—	—	—
No. 20 AWG (10/30) — .016" Insulation — 300 Volts					
2	.020	.180	10	.025	.330
3	.020	.190	12	.025	.345
4	.020	.215	15	.025	.380
6	.020	.250	19	.025	.400
8	.020	.270	—	—	—
No. 18 AWG (16/30) — .016" Insulation — 300 Volts					
2	.020	.200	8	.025	.315
3	.020	.210	10	.025	.370
4	.020	.240	12	.025	.385
6	.020	.290	—	—	—
No. 16 AWG (26/30) — .020" Insulation — 400 Volts					
2	.020	.240	6	.025	.350
3	.020	.265	8	.025	.380
4	.020	.290	—	—	—
No. 14 AWG (41/30) — .020" Insulation — 400 Volts					
2	.025	.280	4	.025	.330
3	.025	.300	6	.030	.410

TELEPRENE DROP WIRE



Teleplate 18 AWG super high strength copperweld, 17 AWG copper-clad steel, 14 or 16 AWG hard copper or 17 AWG signal bronze conductors, insulated with high quality SBR rubber and jacketed with Neoprene compound. Polarity indicated by ridged tracer. Used primarily for service drops from open wire or distributing cable terminals to subscriber's stations.

Size AWG & Type	O.D. In.††	Max. Cond. Resistance @68°F Ohms/M Ft.	Min. Brkg. Strength Lbs.	Wt. Lbs. M Ft.	Shpg. Pkg. Ft.
Parallel Conductors					
18TCWP	.190x.300	24.2	570	38	1000
18TCWP-R*†	.190x.296	24.2	570	40	1000
Twin Parallel Conductors					
18TICWP	.155x.300	24.2	570	32	1000
18TICWP-R†	.175x.350	24.2	570	38	1000
Twisted Pair Conductors					
18TCW2	.150	24.2	570	35	1000
Two and Three Conductors—Single or Twisted					
16THC2	.185	4.55	250	52	1000
16THC3	.185	4.55	375	72	750
14THC2	.220	3.00	380	72	750

Coil eye is 16".

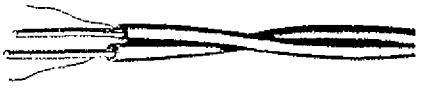
*Complies with REA Specification PE-7.

†Reinforced construction.

††For twisted types, dia. is that of one leg.

Contact Graybar for packaging information where not shown.

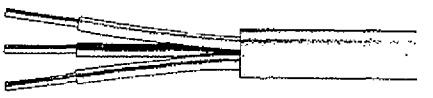
INSIDE STATION WIRE



Twisted — PVC Insulation

Size/ Cond.	Color	Jacket Wall In.	O.D.* In.	Cat. No. W.E.	Cat. No. ITT
22/2	Brown	.021	.074	161-1412	860150
22/2	Ivory	.021	.074	161-1413	860151
22/3	Brown	.021	.074	161-1414	860152
22/3	Ivory	.021	.074	161-1415	860153
22/4	Brown	.021	.074	161-1420	.....
22/4	Ivory	.021	.074	161-1421	.....
19/2	Brown	.025	.086	161-1416	860154
19/2	Ivory	.025	.086	161-1417	.....
19/3	Brown	.025	.086	161-1418	860156
19/3	Ivory	.025	.086	161-1419	.....
19/4	Brown	.025	.086	161-1422	.....

*Diameter shown is that of a single leg.



Inside/Outside — PVC Insulated and Jacket

22/2	Beige	.015	.120	161-1481	860756
22/3	Beige	.016	.130	161-1484	860757
22/4	Beige	.016	.140	161-1487	860758

TELESEAL DISTRIBUTING WIRE

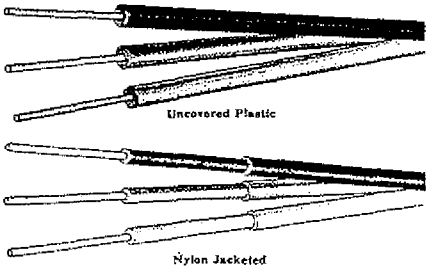


Two Teleplate hard copper conductors, individually rubber insulated and jacketed with tough Neoprene compound, then twisted together. Double ridged tracer on one leg. For direct burial or overhead use. Low loss and stability guarantee service under severe conditions.

Size AWG and Type	O.D. In.*	Max. Cond. Resistance @68°F Ohms/M Ft.	Min. Breaking Strength Lbs.	Wt. Lbs. M Ft.	Shpg. Pkg. Ft.
16TSC2	.203	4.55	250	56	750
				86	2500
14TSC2	.238	3.00	380	47	750
				90	2500
12TSC2†	.265	1.75	600	105	750

†Coil eye is 20"; rest of sizes, 16". *Dia. of single leg.

DISTRIBUTING FRAME, JUMPER AND DUCT WIRE



Uncovered Plastic

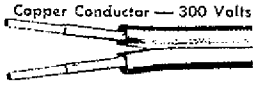
Nylon Jacketed

Two, three and four soft copper conductors, tinned and twisted, semi-rigid Polyvinyl Chloride insulation. Primarily used on distributing frames, cross connecting racks and in ducts.

Size AWG	O.D. In.	Max. Cond. Resistance @68°F Ohms/M Ft.	Wt. Lbs. M Ft.	Shpg. Pkg. Ft.
Polyvinyl Chloride Insulation				
22/2	.055	17.7	7	4000
22/3	.055	17.7	11	4000
22/4	.055	17.7	14	4000
Polyvinyl Chloride Insulation—Nylon Jacket				
22/2	.056	17.7	7	4000
22/3	.056	17.7	11	4000

TYPE HPN PARALLEL HEATER CORD

Copper Conductor — 300 Volts



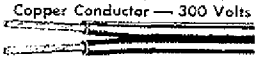
Two conductor flexible wire with Neoprene insulation and jacket, mid-rip for easy splitting and stripping. Suitable for all heater cord uses including heavy duty applications such as soldering irons, paint removers, industrial heating pots, etc.

Size AWG	No. Conductors	Insul. Thick. 64th In.	Stranding	O.D. In.	Net Wt. Lbs. M Ft.
		3600 Cycle			
18	2	3	41x34	.150x.278	36
16	2	3	65x34	.155x.300	43

Packaging: 250′ spool.

TYPES SP AND SPT PARALLEL PORTABLE CORDS

Copper Conductor — 300 Volts



Two and three conductor parallel cord with mid-rip for easy splitting and stripping. Suitable for use on household items such as fans, clocks, lamps, radios, etc., that are not subject to hard usage. Available in colors.

Size AWG	No. Conductors	Insul. Thick. 64th In.	Stranding	O.D. In.	Net Wt. Lbs. M Ft.
		Type SP—Rubber Insulation			
18-SP1	2	2	41x34	.115x.215	26
18-SP2	2	3	41x34	.150x.280	36
16-SP2	2	3	65x34	.155x.295	43
		Type SPT—Plastic Insulation			
18-SPT1	2	2	41x34	.110x.200	24
18-SPT2	2	3	41x34	.147x.270	34
16-SPT2	2	3	65x34	.157x.293	41
14-SPT3	2	5	41x30	.230x.418	76
18-SPT1	3	2	41x34	.110x.300	40
16-SPT2	3	3	65x34	.157x.430	62
14-SPT3	3	5	41x30	.228x.512	100
14-SPT2*	3	4	41x30	.205x.475	90
12-SPT2*	3	5	65x30	.255x.575	117

*Not UL listed. Packaging: 250′ spool.

TYPES SJT AND SJTO MEDIUM DUTY PORTABLE CORDS

Copper Conductor — 300 Volts



Multi-conductor medium duty cord suitable for use with electric mixers, polishers, washing machines, portable appliances, etc. Maximum 60°C.

Type SJT—Plastic insulation and jacket.

Type SJTO—Plastic insulation and jacket that is resistant to oils, acids, etc.

Size AWG	No. Conductors	Insul. Thick. 64th In.	Stranding	O.D. In.	Net Wt. Lbs. M Ft. "SJT"	Net Wt. Lbs. M Ft. "SJTO"
18	2	2	16x30	.300	50	49
18	3	2	16x30	.330	63	61
18	4	2	16x30	.360	77	77
16	2	2	26x30	.325	59	59
16	3	2	26x30	.355	78	78
16	4	2	26x30	.390	93	93
14*	2	2	41x30	.360	74	74
14*	3	2	41x30	.380	100	100
14*	4	2	41x30	.420	122	122

*Not UL listed. Packaging: 250′ spool.

TYPE STO HEAVY DUTY PORTABLE CORD

Copper Conductor — 600 Volts



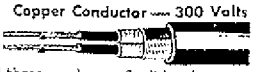
Multi-conductor heavy duty cord with plastic insulation and oil-resistant plastic jacket overall. Suitable for use with machinery subject to hard usage. Maximum operating temperature 60°C.

Size AWG	No. Conductors	Insul. Thick. 64th In.	Stranding	O.D. In.	Net Wt. Lbs. M Ft.
18	2	2	16x30	.388	78
18	3	2	16x30	.403	89
18	4	2	16x30	.435	108
16	2	2	26x30	.403	86
16	3	2	26x30	.427	105
16	4	2	26x30	.485	135
14	2	3	41x30	.528	170
14	3	3	41x30	.560	193
14	4	3	41x30	.605	225
12	2	3	65x30	.605	208
12	3	3	65x30	.635	250
12	4	3	65x30	.665	276
10	2	3	104x30	.640	256
10	3	3	104x30	.690	328
10	4	3	104x30	.745	380

Packaging: Sizes 18/2, 18/3, 16/2, 16/3, 250′ spool; 18/4, 16/4, 250′ coil; balance of sizes 250′ reel.

TYPE HSJ HEATER CORD

Copper Conductor — 300 Volts



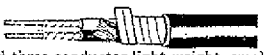
Two and three conductor flexible wire, cotton wrapped, rubber insulation, asbestos roving, twisted, soft braid and rubber jacket overall. Suitable for use on hair dryers, vaporizers, soldering irons, glue and solder pots, etc.

Size AWG	No. Conductors	Insul. Thick. 64th In.	Stranding	O.D. In.	Net Wt. Lbs. M Ft.
		3000 Cycle			
18	2	1	41x34	.315	49
18	3	1	41x34	.340	63
16	2	1	65x34	.340	60
16	3	1	65x34	.365	77
14	2	2	104x34	.420	82
14	3	2	104x34	.445	113

Packaging: 250′ coil.

TYPES SV, SVO, SVT AND SVTO LIGHT WEIGHT PORTABLE CORDS

Copper Conductor — 300 Volts



Two and three conductor light weight, small diameter cord with great flexibility. Designed for use on vacuum cleaners or light duty appliances. Maximum 60°C.

Type SV—Rubber insulation and jacket.

Type SVO—Rubber insulation and Neoprene jacket which is resistant to oils, acids, etc.

Type SVT—Plastic insulation and jacket.

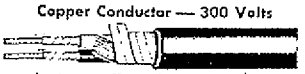
Type SVTO—Plastic insulation and jacket that is resistant to oils, acids, etc.

Size AWG	No. Conductors	Insul. Thick. 64th In.	Stranding	O.D. In.	Net Wt. Lbs. M Ft.
18	2	1	41x34	.245	40
18	3	1	41x34	.255	48

Packaging: 250′ spool.

TYPES SJ AND SJO MEDIUM DUTY PORTABLE CORDS

Copper Conductor — 300 Volts



Multi-conductor medium duty cord suitable for use with washing machines, refrigerators, portable appliances, small motors and tools. Maximum

Type SJ—Rubber insulation and jacket.

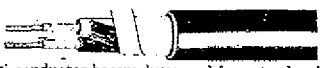
Type SJO—Rubber insulation and Neoprene jacket which is resistant to oils, acids, etc.

Size AWG	No. Conductors	Insul. Thick. 64th In.	Stranding	O.D. In.	Net Wt. Lbs. M Ft. "SJ"	Net Wt. Lbs. M Ft. "SJO"
18	2	2	16x30	.300	50	57
18	3	2	16x30	.330	67	72
18	4	2	16x30	.357	82	87
16	2	2	26x30	.325	64	70
16	3	2	26x30	.355	84	91
16	4	2	26x30	.387	102	109
14*	2	2	41x30	.357	80	84
14*	3	2	41x30	.378	104	107
14*	4	2	41x30	.418	128	131

*Not UL listed. Packaging: 250′ spool.

TYPES S AND SO HEAVY DUTY PORTABLE CORDS

Copper Conductor — 600 Volts



Multi-conductor heavy duty cord for extra hard usage such as garage portable lights, battery chargers, portable stage lights, heavy tools and equipment. Maximum operating temperature 60°C.

Type S—Rubber insulation and jacket.

Type SO—Rubber insulation and Neoprene jacket which is resistant to oils, acids, etc.

Size AWG	No. Conductors	Insul. Thick. 64th In.	Stranding	O.D. In.	Net Wt. Lbs. M Ft. "S"	Net Wt. Lbs. M Ft. "SO"
18	2	2	16x30	.390	80	86
18	3	2	16x30	.405	92	95
18	4	2	16x30	.435	108	112
16	2	2	26x30	.405	86	94
16	3	2	26x30	.427	104	110
16	4	2	26x30	.485	138	144
14	2	3	41x30	.530	145	158
14	3	3	41x30	.560	180	184
14	4	3	41x30	.605	208	224
12	2	3	65x30	.605	194	204
12	3	3	65x30	.635	230	244
12	4	3	65x30	.665	266	282
10	2	3	104x30	.640	225	244
10	3	3	104x30	.690	290	310
10	4	3	104x30	.745	354	364

Packaging: Sizes 18/2, 18/3, 16/2, 16/3—250′ spool; balance of sizes, 250′ coil.

LEAD CURED TYPES W AND G PORTABLE CABLE

Copper Conductor — 600 Volts



Type W



Type G

Multi-conductor insulated cable with rubber and lead cured Neoprene jacket which is resistant to abrasion, impact, oils, greases, acids, gasoline, flame, heat, cold, sunlight and ozone. Designed to give maximum service under severe operating conditions. Maximum operating temperature 75°C.

Size AWG or MCM	No. Strands	Insul. Thick. 64th In.	Type W O.D. In.	Type W Net Wt. Lbs. M Ft.	Type G Size AWG Grd. Wire	Type G Net Wt. Lbs. M Ft.
			Two Conductor—Round			
8	49 or 133	4	.81	355	2-#11	400
6	49 or 133	4	.93	540	2-#10	595
4	49 or 133	4	1.08	700	2-#8	870
3	49 or 133	4	1.17	930	2-#7	990
2	49 or 133	4	1.27	1160	2-#6	1150
1	133 or 259	5	1.44	1505	2-#5	1535
1/0	133 or 259	5	1.52	1705	2-#4	1700
2/0	133 or 259	5	1.65	2225	2-#3	2050
3/0	259 or 1045	5	1.77	2350	2-#2	2600
4/0	259 or 1323	5	1.92	3095	2-#1	2950
250	259 or 427	6	.216	3475	2-1/0	3460
			Three Conductor—Round			
8	49 or 133	4	.91	585	3-#13	520
6	49 or 133	4	1.01	635	3-#12	645
4	49 or 133	4	1.17	860	3-#10	870
3	49 or 133	4	1.24	1190	3-#9	1240
2	49 or 133	4	1.34	1350	3-#8	1430
1	133 or 259	5	1.51	1770	3-#7	1920
1/0	133 or 259	5	1.65	2330	3-#6	2210
2/0	133 or 259	5	1.75	2600	3-#5	2580
3/0	259 or 1045	5	1.89	3250	3-#4	3280
4/0	259 or 1323	5	2.04	3720	3-#3	3810
250	259 or 427	6	2.39	4070	3-#2	4610
			Four Conductor—Round			
8	49 or 133	4	.99	600	4-#12	745
6	49 or 133	4	1.10	750	4-#12	1100
4	49 or 133	4	1.27	1105	4-#10	1400
3	49 or 133	4	1.34	1410	4-#10	1610
2	49 or 133	4	1.48	1775	4-#9	1825
1	133 or 259	5	1.68	2415	4-#8	2370
1/0	133 or 259	5	1.79	2600	4-#7	2690
2/0	133 or 259	5	1.93	3390	4-#6	3690
3/0	259 or 1045	5	2.07	3855	4-#5	4270
4/0	259 or 1323	5	2.26	4510	4-#4	5240

Type W — Five and Six Conductor — Round

Size AWG or MCM	No. Strands	Insul. Thick. 64th In.	5 Cdrs. O.D.	5 Cdrs. Wt.	6 Cdrs. O.D.	6 Cdrs. Wt.
8	49 or 133	4	1.08	940	1.18	1200
6	49 or 133	4	1.20	1300	1.31	1450
4	49 or 133	4	1.42	1800	1.52	2150
2	49 or 133	4	1.62	2590	1.75	2900

Packaging: Cutting lengths as desired.

TYPE G-GC CABLE WITH GROUND CHECK



Similar to Type G. Three insulated power conductors with two grounding conductors equivalent to 50% of power conductor, and one insulated ground-check conductor to monitor the grounding circuit. Conforms to requirements of Federal Coal Mine Health and Safety Act of 1969.

Size AWG or MCM	No. Strands	Insul. Thick 64th In.	Size AWG Grd. Wire	Size AWG Grd. Ch. Wire	O.D. In.	Net Wt. Lbs. M Ft.
8	133	4	2-#12	12	.91	530
6	259	4	2-#10	10	1.01	680
4	259	4	2-#8	10	1.17	910
2	259	4	2-#6	8	1.34	1490
1	259	5	2-#6	8	1.51	1915
1/0	259	5	2-#4	8	1.65	2275
2/0	259	5	2-#4	8	1.75	2540
4/0	427	5	2-#2	6	2.04	3845
250	427	6	2-#2	6	2.39	4515

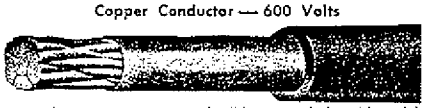
Packaging: Cutting lengths as desired.

These data are approximate and subject to normal manufacturing tolerances.

Price on Application

LEAD CURED WELDING CABLE

Copper Conductor — 600 Volts



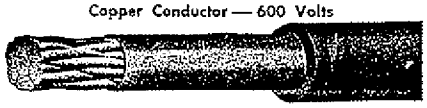
Single conductor extra-flexible stranded cable with lead cured Neoprene jacket. Greater flexibility means less "drag" to fatigue the operator. Resistant to destructive forces encountered in the vicinity of welding operations—notably heat, ultra-violet, ozone, oil, acids, tearing, chipping and crushing.

Size AWG or MCM	No. Strands #34 Wire	O.D. In.	Rating Amps.	Net Wt. Lbs. M Ft.
8	420	.370	50	100
6	665	.380	90	130
5	836	.436	95	145
4	1064	.480	120	200
3	1323	.500	180	230
2	1666	.550	240	290
1	2107	.580	300	360
1/0	2646	.640	360	430
2/0	3332	.670	450	540
3/0	4963	.770	540	670
4/0	5320	.860	640	830
250	6384	.950	710	960
300	7581	1.010	780	1160
350	8806	1.080	860	1310
400	10101	1.150	940	1530
450	11396	1.200	1020	1700
500	12691	1.250	1090	1900
600	14945	1.370	1220	2260
700	17507	1.460	1340	2600
750	18788	1.490	1400	2770
800	20069	1.530	1450	2950
900	22631	1.610	1540	3290
1000	25193	1.680	1630	3640

Packaging: Cutting lengths as desired.

ARC WELDING CABLE

Copper Conductor — 600 Volts



Single conductor extra-flexible stranded cable with either rubber or Neoprene jacket. Suitable for use as arc welder electrode cable. Maximum 60°C.

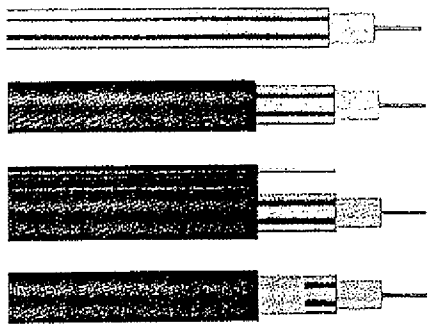
Size AWG	No. Strands	O.D. In.	Rating Amps.	Net Wt. Lbs. M Ft.
Rubber Jacket				
6	665	.37	75	130
4	1050	.43	100	220
3	1344	.46	150	235
2	1659	.52	200	291
1	2100	.57	250	369
1/0	2625	.63	300	436
2/0	3332	.69	375	527
3/0	4263	.76	450	635
4/0	5376	.83	550	784
Neoprene Jacket				
4	1050	.43	100	235
2	1659	.52	200	309
1	2100	.57	250	392
1/0	2625	.63	300	461
2/0	3332	.69	375	555
3/0	4263	.76	450	667
4/0	5376	.83	550	821

Packaging: Cutting lengths as desired.

CATV TRANSMISSION CABLES

821 Polyfoam Series

With Seamless Aluminum Sheath



Available in sizes .412", .500" and .750". Inner conductor of soft or annealed copper, insulated with Polyfoam™ which provides a minimum velocity of propagation of 78%, and then sheathed within a tight-fitting seamless aluminum tube which serves as the outer conductor. Can be used as trunk or distribution cable in CATV systems for operation at -58°F to +176°F.

Available with bare aluminum sheath, with black polyethylene jacket over the aluminum, with black polyethylene jacket over both aluminum and a built-in galvanized-steel messenger support wire, and with a moisture-blocking agent applied over the aluminum and under the polyethylene jacket for direct burial applications.

These four constructions are also available in the 821 Superfoam Series which offers a minimum velocity of propagation of 92%, plus lighter weight, lower attenuation and lower loop resistance.

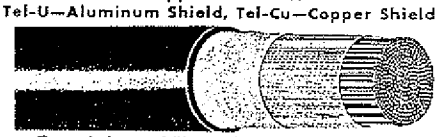
Essex TV cables are also available in both standard and Century™ high-performance RG 59/U constructions.

Cat. No.	Center Cdr. O.D. In.	Outer Cdr. I.D. In.	Outer Cdr. O.D. In.	Jacket O.D. In.
BARE ALUMINUM SHEATH				
621-412	.077	.367	.412	—
621-500	.098	.450	.500	—
621-750	.140	.680	.750	—
POLYETHYLENE JACKETED ALUMINUM SHEATH				
621-412-1	.077	.367	.412	.470
621-500-1	.098	.450	.500	.580
621-750-1	.140	.680	.750	.825
POLYETHYLENE JACKETED ALUMINUM SHEATH WITH MESSENGER				
621-412-3	.077	.367	.412	.750 x .470
621-500-3	.098	.450	.500	.820 x .580
621-750-3	.140	.680	.750	1.065 x .825
POLYETHYLENE JACKETED ALUMINUM SHEATH FOR DIRECT BURIAL				
621-412-6	.077	.367	.412	.470
621-500-6	.098	.450	.500	.580
621-750-6	.140	.680	.750	.825

TELEPHONE CABLE

Copper Conductor

Tel-U—Aluminum Shield, Tel-Cu—Copper Shield



Extended capability cables for exchange area installations or carrier and data transmission applications. Solid copper conductors insulated with high-density, color-coded polyethylene, twisted into pairs and pairs stranded into 25-pair groups. Core is protected by a polyester film with a single, longitudinally applied corrugated shield of 8-mil aluminum or 5-mil copper. Black, high-molecular-weight polyethylene jacket resists sunlight, temperature extremes and ground chemicals.

No. Cdrs.	Jacket Thick. In.	O.D. In.	Net Wt. Lbs./M Ft. Tel-U	Tel-Cu
26 AWG Conductors				
12	.060	.370	78	88
18	.060	.400	95	106
25	.060	.440	119	132
50	.060	.550	207	223
75	.060	.640	258	277
100	.060	.700	317	340
150	.060	.840	477	503
200	.060	.920	609	639
300	.070	1.150	875	914
400	.070	1.270	1168	1246
600	.080	1.530	1665	1715
900	.090	1.850	2419	2486
1200	.100	2.110	3289	3360
1500	.100	2.330	4066	4250
1800	.110	2.550	4711	5100
2100	.110	2.770	5560	5700
2400	.110	2.910	6167	6340
24 AWG Conductors				
6	.060	.370	80	90
12	.060	.420	106	118
18	.060	.470	130	143
25	.060	.530	160	180
50	.060	.660	283	303
75	.060	.770	418	444
100	.060	.860	508	536
150	.070	1.060	733	770
200	.070	1.200	934	975
300	.080	1.450	1344	1392
400	.080	1.620	1776	1833
600	.090	1.970	2580	2650
900	.100	2.390	3754	3837
1200	.110	2.770	5164	5257
1500	.110	3.030	6193	6412
22 AWG Conductors				
6	.060	.420	95	105
12	.060	.490	137	151
18	.060	.560	201	217
25	.060	.630	245	263
50	.060	.800	420	445
75	.060	.980	596	619
100	.070	1.120	807	846
150	.070	1.320	1083	1128
200	.080	1.500	1485	1537
300	.090	1.810	2160	2224
400	.090	2.050	2705	2780
600	.110	2.530	4061	4147
900	.110	3.010	5981	6082
19 AWG Conductors				
6	.060	.500	136	150
12	.060	.630	235	252
18	.060	.730	318	339
25	.060	.820	419	446
50	.070	1.120	753	790
75	.070	1.320	1070	1116
100	.080	1.520	1455	1508
150	.080	1.790	2051	2118
200	.090	2.090	2657	2731
300	.110	2.530	3997	4084
400	.110	2.890	5040	5138

Packaging: Cutting lengths as desired.

COMPUTER CABLES

Composite Data Entry cables. Conductors are insulated with 80°C PVC insulation; assembly is protected with tough PVC jacket.

Cat. No. T-1518—IBM Part No. 5214887
16 conductors: 1—93-ohm coax, less jacket; 1—#22 Awg with shield and jacket; 2—#18Awg and 12—#22 Awg. U.L. labeled Style 2384, Low Voltage Computer Cable.

Cat. No. T-2191—IBM Part No. 5213821
24 conductors: 11—#20Awg and 13—#18Awg. U.L. labeled Style 2343, Thermoplastic Insulated and Jacketed Computer Cable.

Cat No. T-3208A—IBM Part No. 5213814
14 conductors: 1—93-ohm coax, less jacket; 1—#22Awg with shield and jacket; 2—#18Awg and 10—#22Awg. U.L. labeled Style 2384, Low Voltage Computer Cable.

COAXIAL CABLES FOR INDUSTRY AND MASTER ANTENNA TELEVISION SYSTEMS



Type	Center Conductor Size AWG Mat'l	Strds. O.D. In.	Insul. Mat'l & O.D. In.	Bare Cu Shield O.D. In.	Jacket Mat'l & O.D. In.	Capac. pf/Ft.	Atten. 100 Ft. MC/db
73-OHM IMPEDANCE							
RG 59/U	22 BCW	Solid .0253	PE .146	.172	PVC .242	21 66%	100 3.4 200 4.85 400 7.0
82 Channel	18 BC	Solid .042	FCPE .190	.210	PVC .280	29.5 66%	50 1.7 100 2.5 200 4.0
75-OHM IMPEDANCE							
RG 6A/U*	21 BCW	Solid .029	PE .189	.240*	PVC .334	20.5 66%	100 2.4 200 3.6 400 5.2
RG 11/U	18 TC	7 x 26 .048	PE .285	.312	PVC .405	20.5 66%	100 2.15 200 3.2 400 4.35
RG 11/U	14 TC	Solid .064	FCPE .285	.312	PE .405	17.3 78%	100 1.5 200 2.3 400 3.4
RG 59/U	20 BCW	Solid .032	FCPE .146	.172	PVC .242	17.3 78%	100 2.4 200 3.4 400 6.3
RG 11/U†	14 BC	Solid .064	FCPE PE .285	.310† .395†	PE† .475†	17.3 78%	100 1.5 200 2.3 400 3.4
RG 59/U†	20 BCW	Solid .032	FCPE PE .146	.172† .255†	PE† .315†	17.3 78%	100 3.2 200 4.5 400 6.3

*BCW — Bare Copperweld; BC — Bare Copper; TC — Tinned Copper; PE — Polyethylene; FCPE — Foam Cellular Polyethylene; PVC — Polyvinyl Cloride
*Double Shield †Double Shield, double Jacket

These data are approximate and subject to normal manufacturing tolerances.

Price on Application

CONDUCTOR APPLICATION FOR GENERAL WIRING

1968 National Electrical Code

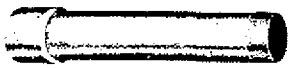
Trade Name	Type Letter	Max. Operating Temp.	Application Provisions
Rubber-Covered Fixture Wire Solid or 7-Strand	*RF-1	60°C 140°F	Fixture wiring. Limited to 300 V.
	*RF-2	60°C 140°F	Fixture wiring, and as permitted in Section 310-8.
Rubbered-Covered Fixture Wire Flexible Stranding	*FF-1	60°C 140°F	Fixture wiring. Limited to 300 V.
	*FF-2	60°C 140°F	Fixture wiring, and as permitted in Section 310-8.
Heat-Resistant Rubber-Covered Fixture Wire Solid or 7-Strand	*RFH-1	75°C 167°F	Fixture wiring. Limited to 300 V.
	*RFH-2	75°C 167°F	Fixture wiring, and as permitted in Section 310-8.
Heat-Resistant Rubber-Covered Fixture Wire Flexible Stranding	*FFH-1	75°C 167°F	Fixture wiring. Limited to 300 V.
	*FFH-2	75°C 167°F	Fixture wiring, and as permitted in Section 310-8.
Thermoplastic-Covered Fixture Wire—Solid or Stranded	*TF	60°C 140°F	Fixture wiring, and as permitted in Section 310-8, and for circuits as permitted in Article 725.
Thermoplastic-Covered Fixture Wire—Flexible Stranding	*TFF	60°C 140°F	Fixture wiring, and as permitted in Section 310-8, and for circuits as permitted in Article 725.
Heat Resistant, Thermoplastic—Covered Fixture Wire—Solid or Stranded	*TFN	90°C	Fixture wiring, and as permitted in Section 310-8.
Heat Resistant Thermoplastic—Covered Fixture Wire—Flexible Stranding	*TFFN	90°C	Fixture wiring, and as permitted in Section 310-8.
Cotton-Covered, Heat-Resistant, Fixture Wire	*CF	90°C 194°F	Fixture wiring. Limited to 300 V.
Asbestos-Covered Heat-Resistant, Fixture Wire	*AF	150°C 302°F	Fixture wiring. Limited to 300 V. and Indoor Dry Location.
Fluorinated Ethylene Propylene Fixture Wire Solid or 7 Strand	*PF	150°C 302°F	Fixture Wiring and as permitted in Section 310-8.
	*PGF		
Fluorinated Ethylene Propylene Fixture Wire	*PFF	150°C 302°F	Fixture Wiring and as permitted in Section 310-8.
	*PGFF		
Silicone Rubber Insulated Fixture Wire	*SF-1	200°C 392°F	Fixture wiring. Limited to 300 V.
Solid or 7 Strand	*SF-2	200°C 392°F	Fixture wiring and as permitted in Section 310-8.
Silicone Rubber Insulated Fixture Wire	*SFF-1	150°C 302°F	Fixture wiring. Limited to 300 V.
Flexible Stranding	*SFF-2	150°C 302°F	Fixture wiring and as permitted in Section 310-8.
Heat-Resistant Rubber	RH	75°C 167°F	Dry locations.
Heat-Resistant Rubber	RHH	90°C 194°F	Dry locations.
Moisture and Heat-Resistant Rubber	RHW	75°C 167°F	Dry and wet locations. For over 2000 volts, insulation shall be ozone-resistant.
Heat-Resistant Latex Rubber	RUH	75°C	Dry locations.
Moisture Resistant Latex Rubber	RUW	60°C 140°F	Dry and wet locations.
Thermoplastic	T	60°C 140°F	Dry locations.
Moisture-Resistant Thermoplastic	TW	60°C 140°F	Dry and wet locations.

* Fixture wires are not intended for installation as branch circuit conductors except as permitted in Article 725.

Trade Name	Type Letter	Max. Operating Temp.	Application Provisions
Heat-Resistant Thermoplastic	THHN	90°C 194°F	Dry locations.
Moisture and Heat-Resistant Thermoplastic	THW	75°C 167°F	Dry and wet locations.
Moisture and Heat-Resistant Thermoplastic	THWN	75°C 167°F	Dry and wet locations.
Moisture and Heat-Resistant Cross-Linked Thermosetting Polyethylene	XHHW	90°C 194°F	Dry locations.
		75°C 167°F	Wet locations.
Moisture-, Heat- and Oil-Resistant Thermoplastic	MTW	60°C 140°F	Wet locations, Machine Tool Wiring. (see Article 670 and NFPA Standard No. 79).
		90°C 194°F	Dry locations. Machine Tool Wiring. (see Article 670 and NFPA Standard No. 79).
Moisture-, Heat- and Oil-Resistant Thermoplastic	THW-MTW	75°C 167°F	Dry and wet locations.
		90°C 194°F	Special applications *within* electric discharge lighting equipment. Limited to 1000 open-circuit volts or less. (Size 14-8 only.)
Thermoplastic and Asbestos	TA	90°C 194°F	Switchboard wiring only.
Thermoplastic and Fibrous Outer Braid	TBS	90°C 194°F	Switchboard wiring only.
Synthetic Heat-Resistant	SIS	90°C 194°F	Switchboard wiring only.
Mineral Insulation (Metal Sheathed)	MI	85°C 185°F	Dry and wet locations with Type O termination fittings.
		250°C 482°F	For special application.
Silicone-Asbestos	SA	90°C 194°F	Dry locations.
		125°C 257°F	For special application.
Fluorinated Ethylene Propylene	FEP or FEPB	90°C 194°F	Dry locations.
		200°C 392°F	Dry locations—special applications.
Varnished Cambric	V	85°C 185°F	Dry locations only. Smaller than No. 6 by special permission.
Asbestos and Varnished Cambric	AVA	110°C 230°F	Dry locations only.
Asbestos and Varnished Cambric	AVL	110°C 230°F	Dry and wet locations.
Asbestos and Varnished Cambric	AVB	90°C 194°F	Dry locations only.
Asbestos	A	200°C 392°F	Dry locations only. Only for leads within apparatus or within raceways connected to apparatus. Limited to 300 V.
Asbestos	AA	200°C 392°F	Dry locations only. Only for leads within apparatus or within raceways connected to apparatus or as open wiring. Limited to 300 V.
Asbestos	AI	125°C 257°F	Dry locations only. Only for leads within apparatus or within raceways connected to apparatus. Limited to 300 V.
Asbestos	AIA	125°C 257°F	Dry locations only. Only for leads within apparatus or within raceways connected to apparatus or as open wiring.
Paper		85°C 185°F	For underground service conductors, or by special permission.

RIGID STEEL CONDUIT

Ten-Foot Lengths with One Coupling
Per 100 Feet — F.O.B. Mill*



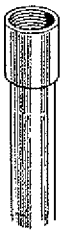
Available in hot dipped galvanized or electro-galvanized. Furnished in 10-foot lengths with both ends threaded, with coupling screwed on one end.

Also available in black enameled.

Size In.	Wt. Lbs. Per 100 Ft.	Galvanized CL	Galvanized LCL
½	79	$ 14.83	$ 15.57
¾	105	19.19	20.15
1	153	27.36	28.73
1¼	201	35.74	37.51
1½	249	42.55	44.68
2	334	56.54	59.37
2½	527	87.64	92.02
3	690	114.64	120.37
3½	831	149.50	156.98
4	982	176.99	185.84
5	1344	311.29	326.80
6	1770	433.41	455.08

*Ask us for delivered prices on any quantity.

ALUMINUM RIGID CONDUIT



Ten-foot Lengths with One Coupling
Per 100 Feet* — F.O.B. Our Warehouse

Size In.	Wt. Lbs. Per 100 Ft.	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7
½	29.8	$ 16.35	$ 16.51	$ 16.67	$ 17.00	$ 17.48	$ 17.84	$ 18.16
¾	39.8	21.90	22.11	22.35	22.76	23.42	23.90	24.35
1	59.9	30.67	30.96	31.25	31.85	32.77	33.40	34.04
1¼	79.8	41.34	41.72	42.13	42.94	44.20	45.05	45.92
1½	95.6	49.25	49.74	50.24	51.20	52.68	53.70	54.75
2	128.8	65.98	66.62	67.26	68.59	70.58	71.96	73.34
2½	204.7	110.42	111.47	112.58	114.75	118.11	120.40	122.76
3	268.0	143.77	145.19	146.59	149.42	153.78	156.77	159.82
3½	321.3	176.14	177.84	179.59	183.06	188.40	192.08	195.81
4	382.1	209.94	211.98	214.05	218.19	224.58	228.94	233.40
5	521.5	344.11	347.45	350.84	357.67	368.17	375.37	382.69
6	677.5	447.18	451.52	455.95	464.85	478.46	487.82	497.35

*These prices are for quantities of less than 5000 lbs. Ask us for prices on larger quantities.

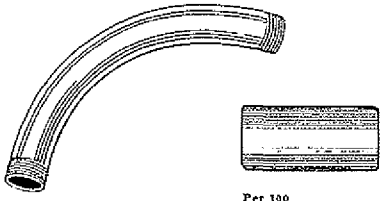
E.M.T. THINWALL CONDUIT



Ten-foot Lengths — No Couplings
Per 100 Feet* — F.O.B. Our Warehouse

Size In.	Wt. Lbs. Per 100 Ft.	Zone 1 Less 1000 Ft.	Zone 1 Less 5000 Ft.	Zone 2 Less 1000 Ft.	Zone 2 Less 5000 Ft.	Zone 3 Less 1000 Ft.	Zone 3 Less 5000 Ft.	Zone 4 Less 1000 Ft.	Zone 4 Less 5000 Ft.
½	30	$ 7.01	$ 6.63	$ 7.18	$ 6.79	$ 7.67	$ 7.25	$ 7.18	$ 6.79
¾	45	10.00	9.46	10.25	9.70	10.95	10.36	10.25	9.70
1	69	14.47	13.69	14.84	14.03	15.86	15.00	14.84	14.03
1¼	104	20.30	19.20	20.81	19.68	22.23	21.03	20.81	19.68
1½	119	23.06	21.81	23.64	22.36	25.25	23.88	23.64	22.36
2	144	29.98	28.36	30.72	29.06	32.83	31.05	30.72	29.06
2½	230	79.30	75.02	81.29	76.90	86.81	82.12	81.29	76.90
3	270	98.52	93.19	100.99	95.53	107.85	102.02	100.99	95.53
4	400	155.04	146.66	158.91	150.32	169.73	160.55	158.91	150.32

RIGID ELBOWS AND COUPLINGS



Size In.	Couplings Per 100 Galv.	Couplings Per 100 Alum.	Elbows Each Galv.	Elbows Each Alum.
½	$10.62	$ 13.75	$ 33.70	$ 36.25
¾	13.61	16.25	43.19	47.50
1	19.53	23.75	67.75	71.25
1¼	24.17	28.75	95.84	101.25
1½	30.29	37.50	128.64	132.50
2	45.67	52.50	197.59	202.50
2½	114.49	108.75	369.72	377.50
3	161.67	158.75	594.18	605.00
3½	247.47	237.50	1078.26	1090.00
4	267.95	257.50	1250.80	1263.75
5	559.78	590.00	3342.63	3695.00
6	684.37	711.25	4528.74	5020.00

THINWALL (E.M.T.) ELBOWS

Size In.	Zone 1 Each	Zone 2 Each	Zone 3 Each	Zone 4 Each
1	$ .33	$ .34	$ .35	$ .34
1¼	.49	.51	.52	.51
1½	.63	.65	.66	.65
2	1.14	1.17	1.20	1.17
2½	3.84	3.90	4.07	4.01
3	5.44	5.52	5.79	5.68
4	9.43	9.57	10.03	9.85

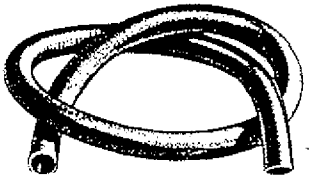
RUNNING THREAD



3-foot lengths, perfectly threaded.

Size In.	Lengths Per Ctn.	Per 100 Ft. Less Than Ctn.	Per 100 Ft. Ctn.
⅜	34	$ 35.20	$ 31.58
½	34	36.82	33.03
¾	34	47.48	42.59
1	20	49.17	44.11
1¼	25	65.73	58.96
1	20	116.47	104.49

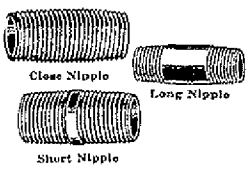
FLEXIBLE NON-METALLIC LIQUID-TIGHT CONDUIT



Smooth inner core, nylon reinforcing and rugged outer jacket are bonded together. Provides protection against abrasion, mechanical damage and oils where extreme vibration is present.

Size In.	Coil Feet	Less Coil	Per 100 Ft. Less 1000 Ft.	1000 Ft.
5/16	250	$ 3.95	$ 3.35	$ 2.95
¼	250	5.10	4.35	3.80
⅜	250	8.10	6.95	6.05
½	200	10.75	9.25	8.05
⅝	200	14.00	12.00	10.50
¾	150	16.85	14.45	12.60
1	100	28.60	24.50	21.45
1¼	100	32.90	28.25	24.70
1½	100	45.90	39.35	34.45
1¾	*	52.10	44.65	39.10
2	*	57.50	49.30	43.15
2¼	*	60.90	52.25	45.70
2½	*	73.90	63.35	54.35

*Odd-length orders will be filled with nearest odd lengths.

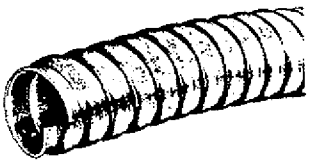


GALVANIZED CONDUIT NIPPLES

Pipe Size In.	Close Nipple Length In.	Each	Short and Long Nipples, Each — Length, Inches 1½	2	2½	3	3½	4	6	8
½	1⅛	$0.11	$0.13	$0.15	$0.16	$0.17	$0.18	$0.19	$0.25	$0.34
¾	1⅜	.15		.17	.19	.20	.21	.23	.30	.38
1	1½	.22		.25	.27	.29	.31	.33	.40	.53
1¼	1⅝	.29		.31	.33	.36	.38	.40	.53	.71
1½	1¾	.36		.38	.40	.42	.47	.49	.64	.85
2	2	.42			.49	.55	.59	.64	.85	1.11

FLEXIBLE STEEL CONDUIT

U.L. & C.S.A. LABELED FLEXIBLE STEEL CONDUIT



Size In.	Feet In Coil	Wt. Lbs. Per 100 Ft.	Per 100 Ft. Less Coil	Per 100 Ft. Full Coil	1000 Ft.
3/8	250	15	$ 10.90	$ 7.90	$ 7.50
½	250	25	12.80	9.20	8.80
⅝	100	47	19.20	13.90	13.20
¾	50	58	26.40	19.10	18.20
1	50	102	56.00	40.50	38.60
1¼	50	125	71.90	52.10	49.70
1½	25	162	89.60	64.80	61.70
2	25	213	116.70	84.50	80.50
2½	25	263	138.30	100.20	95.30
3	25	313	177.50	128.50	122.40

Also available in aluminum.

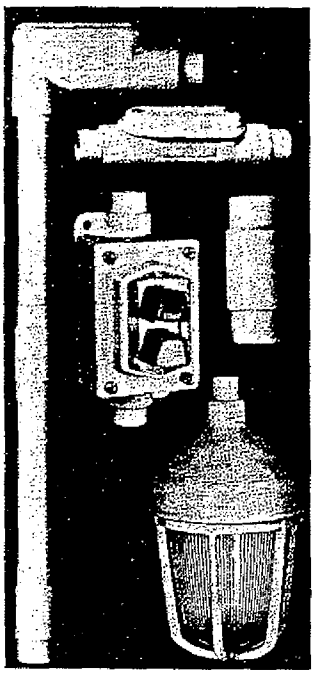
FLEXIBLE LIQUID-TIGHT CONDUIT



The moisture- and oil-proof PVC jacket is extruded over galvanized steel flexible conduit. Bendable to small radii.

Size In.	Feet Per Coil	Less Coil	Per 100 Ft. Less 1000 Ft.	1000 to 1999 Ft.
Type EF — Extra Flexible — JIC Approved Type				
⅜	250	$ 29.00	$25.70	$24.20
½	200	33.00	29.10	27.60
¾	175	44.00	38.90	36.70
1	100	66.30	58.50	55.30
1¼	100	86.60	76.50	72.00
1½	50	119.20	108.30	102.10
2	50	145.60	131.30	123.90
2½	50	270.50	246.10	232.40
3	25	384.80	349.60	329.20
4	25	542.00	492.20	464.40
Type UA — Underwriters Listed Type				
⅜	200	$ 39.50	$ 35.00	$ 33.00
½	200	48.00	42.50	40.00
¾	150	63.30	56.00	53.00
1	100	90.00	79.60	75.20
1¼	50	118.70	105.00	99.10
1½	50	137.40	124.80	117.70
2	50	175.00	157.80	148.90
2½	50	311.10	282.00	267.30
3	25	442.50	402.00	378.60
Type HC — Extreme Temperature Type Minus 70°F-Plus 220°F				
⅜	250	$ 48.00	$ 43.60	$ 31.20
½	200	54.60	49.60	35.50
¾	175	72.80	66.20	47.30
1	100	109.60	99.60	71.20
1¼	100	143.10	130.10	92.90
1½	50	202.80	184.40	131.70
2	50	246.10	223.70	159.80
2½	50	461.90	419.90	299.90
3	25	654.00	594.50	424.70
4	25	922.70	838.80	599.20
Type OR — Extra Oil-Resistant Type				
⅜	250	$ 30.20	$ 26.70	$ 25.20
½	200	34.30	30.30	28.70
¾	175	45.80	40.50	38.20
1	100	69.00	60.80	57.50
1¼	100	90.10	79.60	74.90
1½	50	124.00	112.60	106.20
2	50	151.40	136.60	128.90
2½	50	281.30	255.90	241.70
3	25	400.20	363.60	342.40
4	25	563.70	511.90	483.00
Type ALT — Aluminum-Core Type				
⅜	250	$ 51.25	$ 41.00	$ 36.20
½	200	58.25	46.60	41.20
¾	175	77.85	62.30	54.90
1	100	112.35	89.90	79.30
1¼	100	146.75	117.40	103.60
1½	50	201.85	161.50	146.70
2	50	236.25	189.00	170.50
2½	50	445.00	356.00	321.30
3	25	631.35	505.10	445.70
4	25	883.35	706.70	637.40

KorKap™PLASTIC-COATED GALVANIZED ELECTRICAL CONDUIT & FITTINGS



KorKap is a complete product line of PVC coated electrical conduit and conduit fittings.

KorKap provides a smooth pin-hole free corrosion resistant protective coating. Improved overlapping sleeves provide more permanent fume-tight, moisture-proof joints. KorKap offers you unprecedented protection in corrosive environments.

KorKap coating material is a specially formulated thermoplastic vinyl coating compound formulated for use in our coating process. Included among its physical characteristics are excellent impact resistance, good abrasion resistance and superior chemical resistance. It is tough, has a high tear strength, and exhibits good weatherability. The operating temperature should be kept below 170°F. to benefit from the maximum service life of the coating.

KorKap RIGID CONDUIT, ELBOWS AND COUPLINGS

Size In.	Rigid Conduit Per 100' 10' to 4996'	Standard Radius 90° Elbows Per 100	Extra Couplings Per 100
½	$41.34	$130.85	$45.10
¾	53.47	138.10	48.10
1	76.25	180.40	57.15
1¼	99.59	225.55	71.85
1½	118.58	255.45	88.00
2	157.60	370.30	128.70
2½	244.27	632.70	261.75
3	319.54	958.75	305.50
3½	416.68	1645.70	408.65
4	493.31	1739.65	427.55
5	867.61	4199.95	770.40
6	1207.97	4510.95	1416.90

INDUSTRIAL LIGHTING EQUIPMENT

Crouse-Hinds Vapor Tight

Fixtures Only — Cat. No.	Each	Guards Only — Cat. No.	Each
V-2200	$11.95	V-912	$11.75
VDA-2200	11.95	P-50	9.30
VDA-22	11.95	P-20	11.25
VDA-25	10.65		
VDC-25	10.80		

Complete fixtures including globes and reflectors can be furnished on order. Above prices are for part to be coated only.

The galvanized conduit prior to coating conforms to Federal Specifications WW-C-581d, American Standard Rigid Steel Conduit Specification C80.1-1959, and Underwriters' Laboratories Specifications.

The coating is applied on the galvanized surface which has been specially prepared to accept it. The adhesion of the coating to the conduit is such that the bond between the PVC and metal is greater than the tensile strength of the coating material.

Specify KorKap products for the protection of complete electrical systems. Coating thicknesses of either 40 mil or 20 mil are now available.

CONDUIT FITTINGS INCLUDING COVERS

Crouse-Hinds Conduit Fittings

Size In.	Each C-LB-LL-LR Form 7	Each C-LB-LL-LR Form 8	Each T-TB Form 7	Each T-TB Form 8	Each X Form 7	Each X Form 8
½	.....	$4.77	.....	$5.40	.....	$6.30
¾	$4.81	5.04	$5.67	5.71	$6.39	6.66
1	6.21	6.43	7.38	7.42	8.05	8.37
1¼	8.91	9.18	10.21	10.30	10.39	10.80
1½	10.89	11.25	12.69	12.96	12.64	13.27
2	16.11	16.69	18.58	18.85	20.34	21.28
2½	27.76	28.44	.....	.....	.....	.....
3	36.31	37.12	.....	.....	.....	.....
3½	56.65	57.73	.....	.....	.....	.....
4	63.09	64.35	.....	.....	.....	.....

When ordering specify by type, size and configuration (i.e. LB ¾" C-H Form 3).
Appleton equivalents will be furnished on order.
TB not furnished in sizes above 2".
Aluminum conduit fittings will be furnished on order. Prices on request.

KorKap LIQUID PATCHING COMPOUNDS

Size	Per Can	Per Case (12 Cans)
16 oz. Aerosol Spray	$2.65	$29.00
½ Pint Liquid	2.55	27.50
1 Pint Liquid	3.85	42.50
1 Gallon Liquid	26.00	.....

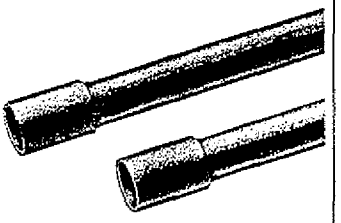
TYPES, CHARACTERISTICS, AND APPLICATIONS CHART: PLASTIC CONDUIT

Chart prepared by the Thermoplastic Conduit, Duct and Accessories Section, NEMA

TYPE OF PLASTIC CONDUIT	MATERIAL DESCRIPTION AND USE	TYPICAL APPLICATIONS	FEATURES	CODES & STANDARDS	NOMINAL SIZE
PVC (Polyvinyl Chloride) Type EPC Schedule 40 Heavy Wall	Gray Semi-Rigid usually supplied in 10' lengths. A high grade self-extinguishing high impact plastic conduit designed for above and underground installations offering maximum corrosion resistance and life. Primaries to 5KV. Secondaries to 600V.	Industrial & Commercial bldgs., schools, hospitals, highway & street lighting, underground feeders, pre-stressed concrete structures, and general slab work, corrosive & wet locations as a surface mounted conduit.	Light non-magnetic, non-electrolytic strong 1/6 wt. of steel, 1/2 wt. of aluminum. Inert to most chemicals long life. Worthwhile installation savings. Simple solvent weld gives permanent water tight joints. Fittings available for adapting to threaded system.	U.L. 651 Above ground underground & concrete encased. Listed in NEC WC 1094 - Type II MIL C 23571a Type II NEMA Standard TC 2-1970	1/2" thru 6"
PVC Type EPT Schedule A. Light Wall	Gray Semi-Rigid usually supplied in 10' lengths.	Concrete slab & underground.	Same as above	U.L. 651 Concrete encased underground. WC-1094 Type I. MIL C 23571a Type I NEMA Standard TC 2-1970	1/2" thru 4"
PVC Type EPC Schedule 80. Extra Heavy Wall	Gray Semi-Rigid usually supplied in 10' lengths. Same as Schedule 40 except heavier wall for added safety in hazardous areas requiring an extra high impact conduit.	Utility pole risers and load applications requiring extra heavy wall support.	Same as above.	TC 2-1970 NEMA Standard	1/2" thru 6"
PE (Polyethylene)- Type EPC Schedule 40 Heavy Wall	Black Semi-Rigid usually supplied in 10' lengths. A high grade, high impact plastic conduit designed for underground installations offering maximum corrosion resistance and life. Primaries to 5KV. Secondaries to 600V.	Direct burial in corrosive or wet locations. Industrial and commercial buildings, schools, hospitals, homes, highway and street lighting, underground feeders and prestressed concrete structures.	Light, non-magnetic, non-electrolytic, strong, about 1/10 the weight of steel, and about 1/3 the weight of aluminum. Inert to nearly all chemicals. Long life. Worthwhile installation savings. Joints are watertight and may be made by thermal fusion, or with threaded or drive-on (O-ring) fittings. Threading is done with standard pipe dies - conduit is self-lubricating.	U.L. (Schedule 40) direct burial and concrete encased. Recognized in NEC.	½" thru 4"
PE Flexible Tubing	Moderately flexible conduit. Supplied in straight lengths or in 100-500 foot coils. A high grade, high impact conduit offering maximum life and corrosion resistance.	Communication conduit, low voltage work, for encasement or direct burial.	Long continuous laying lengths offer worthwhile labor savings and protection. Joints are watertight and may be made by thermal fusion or by threaded or drive-on (O-ring) fittings. Threaded with standard pipe dies - conduit is self-lubricating.		1/2" thru 4"
PE Coilable Duct	Black - flexible - available 100-2000 ft. coils. Available made from high density or medium density polyethylene. Designed for use with or without wire pre-assembled in duct prior to installation, offering maximum life and corrosion resistance.	Expressways, utility service lines, and low voltage systems.	Wiring may be pre-assembled in duct at factory or may be pulled into duct after duct has been installed. Joints are watertight and may be made by thermal fusion or by drive-on (O-ring) fittings.		1/2" thru 2"
ABS or PVC Type II or DB (Direct Burial)	Black Semi-Rigid usually supplied in 20' and 30' lengths. A high impact material developed to meet W.U.C. specifications for direct burial in underground distribution systems.	Utility underground distribution systems. Primaries & secondaries low voltage systems.	Light, strong, quickly installed for maximum labor savings. Excellent for utility use, airport lighting and other underground systems.	Western Underground Committee Spec. (W.U.C.) DB	1" thru 6"
ABS or PVC Type I or EB (Encased)	Black Semi-Rigid usually supplied in 20' and 30' lengths. Same as DB except thinner wall for concrete encasement.	Same as above except concrete encased.	Same as above except concrete encased.	Same as above EB.	2" thru 6"
Polystyrene Type II Type I	Black Semi-Rigid usually supplied in 20' and 30' lengths. Light, corrosion resistant material underground direct burial communications and distribution. Black Semi-Rigid usually supplied in 20' and 30' lengths. Light, corrosion resistant materials for communication and distribution for concrete encasement.	Airport & highway lighting. Power & Tele. Co. use. Underground distribution systems. Primaries, secondaries and low voltage systems. Same as above except concrete encased.	Lightest of all plastic conduits. Fast solvent weld joints reduce installation costs. Same as above except concrete encased.	Corp. of Engr. 203-06 Guide Spec. NEMA Standard TC 1-1970, Spec. #302-2, Type II Same as above Type I	1½" thru 6" 1½" thru 6"

PLASTIC CONDUIT

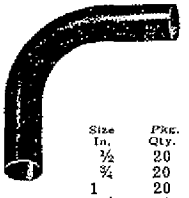
Heavy-wall and light-wall rigid plastic (PVC) conduit, fittings and accessories are designed for installation underground, in slab, encased or exposed. They offer corrosion resistance, watertight joints, light weight, high impact strength and low installation costs. Manufactured to NEMA TC-2 and WC-1094 Specifications; UL listed.



Underwriters' Listed
10 Ft. Lengths With Coupling Attached

Size In.	O.D.	I.D.	Wall Thick.	Wt. 100 Ft.	Pack Ft.	Per 100 Ft.
HEAVY WALL RIGID CONDUIT						
½	.840	.622	.109	15	100	$ 10.87
¾	1.050	.824	.113	20	100	14.46
1	1.315	1.049	.133	30	100	21.07
1¼	1.660	1.380	.140	40	100	28.22
1½	1.900	1.610	.145	48	100	35.58
2	2.375	2.067	.154	65	50	45.05
2½	2.875	2.469	.203	102	50	71.05
3	3.500	3.068	.216	134	50	92.86
3½	4.000	3.548	.226	161	30	120.02
4	4.500	4.026	.237	191	30	133.25
5	5.563	5.047	.258	269	20	212.63
6	6.625	6.065	.280	336	10	269.39
LIGHT WALL RIGID CONDUIT						
½	.840	.720	.060	9	100	$ 5.97
¾	1.050	.930	.060	11	100	8.77
1	1.315	1.195	.060	15	100	11.78
1¼	1.660	1.520	.070	21	100	17.71
1½	1.900	1.740	.080	28	100	23.38
2	2.375	2.175	.100	44	50	35.19
2½	2.875	2.655	.111	59	50	52.05
3	3.500	3.250	.125	81	30	71.90
4	4.500	4.200	.150	126	20	113.40

ELBOWS 30°, 45° OR 90°



Size In.	Pkg. Qty.	Each 30°	Each 45°	Each 90°
½	20	$0.29	$0.27	$0.27
¾	20	.41	.38	.38
1	20	.65	.59	.59
1¼	20	.89	.84	.84
1½	20	1.22	1.15	1.15
2	15	1.78	1.68	1.68
2½	5	3.24	3.20	3.20
3	5	5.67	5.46	5.46
3½	5	7.83	6.17	6.17
4	5	9.81	9.09	9.09
5	1	17.28	14.58	14.58
6	1	29.25	21.78	17.01

COUPLINGS

For Heavy or Light Wall Rigid Conduit



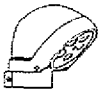
Size In.	Pkg. Qty.	Each
½	25	$0.11
¾	25	.14
1	20	.21
1¼	20	.27
1½	20	.35
2	20	.51
2½	20	.89
3	20	1.42
3½	10	1.59
4	10	2.20
5	5	5.40
6	5	7.05

TERMINAL ADAPTERS



Size In.	Pkg. Qty.	Each	Size In.	Pkg. Qty.	Each
½	25	$0.14	2½	10	$1.15
¾	25	.24	3	10	1.62
1	20	.30	3½	10	2.16
1¼	20	.37	4	10	2.80
1½	20	.46	5	5	5.48
2	20	.68	6	5	7.02

PVC SERVICE ENTRANCE CAPS



Size In.	Pkg. Qty.	Each
1	12	$1.40
1¼	12	1.60
1½	12	1.75

FEMALE ADAPTERS



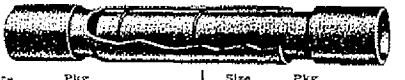
Size In.	Pkg. Qty.	Each
½	25	$0.14
¾	25	.22
1	20	.30
1¼	20	.37
1½	20	.41
2	20	.59
2½	10	1.09
3	10	1.62
3½	10	2.16
4	10	2.41
5	5	6.11
6	5	6.74

REDUCERS



Size In.	Each	Size In.	Each
¾ to ½	$0.17	2 to 1¼	$0.51
1 to ½	.27	2 to 1½	.51
1 to ¾	.27	2½ to 2	.68
1¼ to ¾	.41	3 to 2	1.33
1¼ to 1	.41	3½ to 3	2.40
1½ to 1	.43	4 to 3	2.66
1½ to 1¼	.43	4 to 3½	2.66

EXPANSION JOINTS



Size In.	Pkg. Qty.	Each	Size In.	Pkg. Qty.	Each
½	10	$2.17	2	10	$5.87
¾	10	2.57	2½	2	9.34
1	10	3.16	3	2	12.23
1¼	10	3.84	3½	2	13.90
1½	10	4.74	4	2	16.43

BELL ENDS AND CAPS

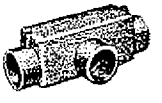




Size In.	Bell Ends Each	Caps Each	Size In.	Bell Ends Each	Caps Each
½	. . .	$0.26	2½	$1.60	. . .
¾	. . .	.28	3	2.05	$0.31*
1	$0.82	.32	3½	2.30	.42*
1¼	.95	.48	4	2.40	.53*
1½	.98	.56	5	7.44	.72*
2	1.48	.27	6	8.93	.90*

*Plugs furnished in these sizes.

ACCESS FITTINGS (PVC)



Size In.	Type T	Type LL	Type LR	Type LB	Type E	Type C
	Each					
½	$0.85	$0.70	$0.70	$0.70	$0.70	$0.70
¾	1.00	.85	.85	.85	.85	.85
1	1.40	1.25	1.25	1.25	1.25	1.25
1¼	2.25	1.75	1.75	1.75	1.75	1.75
1½	2.95	2.25	2.25	2.25	2.25	2.25
2	4.30	3.95	3.95	3.95	3.95	3.95

PVC MOLDED BOXES

Size In.	Each Type FS	Each Type FSC	Each Type FSS
½	$1.60	$1.70	$1.70
¾	1.70	1.80	1.80

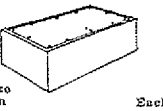
PVC OUTLET BOXES

Size In.	Pkg. Qty.	Each
4 x 4 x 2	10	$1.30
4 x 4 x 2 (with lid)	10	2.20

JUNCTION BOXES

Size In.	Each
4 x 4 x 4 (with cover)	$5.00
6 x 6 x 4 (with cover)	6.25

PVC FABRICATED PULL BOXES



Size In	Each
8 x 8 x 4	$25.35
12 x 12 x 4	34.97
12 x 12 x 6	47.06
15 x 15 x 6	61.10
18 x 18 x 6	77.35
24 x 24 x 8	100.10

Adapters

Size In.	Each
½	$0.50
¾	.55
1	.55
1¼	.70
1½	.80
2	.90
2½	1.35
3	2.05
3½	2.86
4	3.10

NON-METALLIC CONDUIT BOXES

Description	Each
Outlet box, 4⅛" dia., four ½" openings	$1.20
Outlet box, 4⅛" dia., four ¾" openings	1.20
Round blank cover for outlet box	.45
Vaporproof fixture, 4¼"x7½"	1.80
Device box, two ½" conduit openings	1.00
Devices box, two ¾" conduit openings	1.00
Blank cover for device box	.45
Duplex receptacle cover	1.85
Single receptacle cover	1.85
Toggle switch cover	1.85

ALL-PLASTIC FLOOR BOXES



Exclusive Rocker Ring for Fast Leveling

Handles any standard single receptacle. Standard 1¼" conduit thread accommodates any floor stand or service fitting.

Price Each $6.55

POLYETHYLENE FLEXIBLE PLASTIC CONDUIT



Nom. Size In.	Approx. Wt. Lbs. Per 100	Std. Coil Lengths	Nom. I.D.	Per 100 Ft.
CLASS 80				
½	4	400 — 100	.622	$2.36
¾	6	400 — 100	.824	3.74
1	10	300 — 100	1.049	5.59
1¼	17	300 — 100	1.380	9.84
1½	23	250 — 100	1.610	13.07
2	38	200 — 100	2.067	23.54
STANDARD CLASS				
1¼	16	300 — 100	1.380	8.21
1½	21	250 — 100	1.610	9.65
2	30	200 — 100	2.067	17.32
3	84	100	3.068	40.25

COUPLINGS

Size In.	Carton	Per 100
½	50	$18.25
¾	50	30.56
1	25	47.13
1¼	10	93.44
1½	10	124.19
2	5	256.44

CONNECTORS

Size In.	Carton	Per 100
½	50	$7.69
¾	50	18.06
1	25	44.75
1¼	10	90.13
1½	10	115.81
2	5	239.00

CLAMPS

Size In.	With Hardware Pkg. Qty.	With Hardware Per 100	Without Hardware Size In.	Without Hardware Pkg. Qty.	Without Hardware Per 100
½	10	$22.35	½	10	$18.40
¾	10	23.21	¾	10	19.25
1	10	32.80	1	10	20.65
1¼	10	49.59	1¼	10	22.50
1½	10	51.44	1½	10	24.35
2	5	53.85	2	5	26.77
			2½	5	54.28
			3	5	57.66
			3½	5	63.59
			4	5	68.03

PVC CEMENT

Size	Ctn.	Each
1 Pint	24	$1.85
1 Quart	12	3.25
1 Gallon	4	9.20
1 Pint (Spray)	12	2.11

BENDERS

Model	Description	Each
C	For Conduits to 2" Dia. 1700 Watts, 115 Volts AC, 28" x 7" x 8" H	$96.50
D	For Conduits to 6" Dia. 6800 Watts, 230 Volts AC. 55" x 16" x 15" H	325.00

HASKON INC. PLASTIC FLEXIBLE CONDUIT



Bends around curves without kinks and without special fittings. Easily dispensed from reel into trench. Crush and impact resistant. Can be molded in concrete ducts and pedestals. Can be cut with a penknife. All sizes can be joined to itself or to rigid conduit with heat shrinkable sleeves or PVC adapters.

CONDUIT

Size In.	Min. I.D., In.	Max. O.D., In.	Coil	Per 100' Cardboard Reel
1½	1.65	2.30	18.80*	$23.60†
2	2.00	2.60	27.75*	34.30†
2½	2.50	3.15	37.40*	45.70†
3	3.00	3.65	48.20*	57.20†
4	3.98	4.65	90.00*	.....

*1000' coil; †250' reel; *500' coil.

ACCESSORIES

Size In.	Heat Shrinkable Couplings (Each)	PVC Adapters (Each)	Reusable Reel Ends** (Set)
1½	$1.25	$1.25	$60.00
2	1.50	1.50	60.00
2½	1.75	1.75	60.00
3	2.00	2.00	60.00
4	3.10	....	70.00

**One set fits all standard coil packages (except 4") to facilitate the unwinding of CORFLO into the trench.

PLASTIC UNDERGROUND DUCT — TYPES I AND II

A high-impact styrene product for below-ground use (direct burial or concrete encasement). Provides high strength, low absorption rate, watertight joints and low installation costs. Manufactured to NEMA TC-1, GSA-302-2 and Corps of Engineers 303.06 Specifications.



Size In.	O.D. In.	Feet Per Bundle* 20' Lgth.	30' Lgth.	Wt. Lbs. Per 100'	TYPE I (For Concrete Encasement) *Price Per 100' 20' Lgth.	30' Lgth.	TYPE II (For Direct Burial) Wt. Lbs. Per 100'	*Price Per 100' 20' Lgth.	30' Lgth.
1½	1.730	260	390	18	$13.20	$13.10	22	$13.20	$13.10
2	2.250	200	300	24	14.25	14.08	30	17.68	17.44
3	3.250	200	150	46	18.41	18.05	52	21.16	20.90
3½	3.800	100	150	56	23.13	22.81	66	26.65	26.36
4	4.300	100	150	70	26.68	26.13	81	32.53	32.06
5	5.300	100	150	103	39.16	38.48	117	46.24	45.65
6	6.360	60	90	143	50.09	49.03	167	61.88	60.80

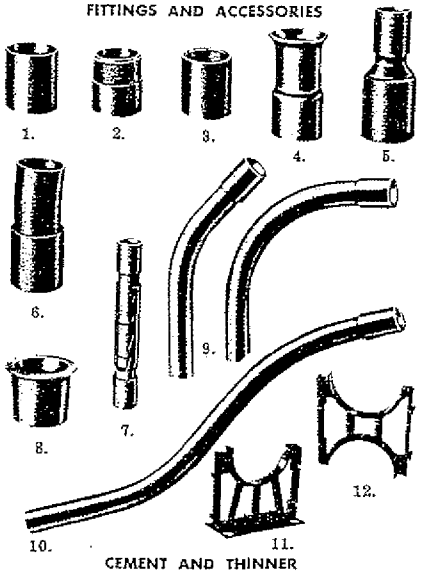
*Shipments made only in bundle quantities. Prices include one coupling per length. 30-foot lengths available only in truck-load quantities.

PLASTIC DUCT FITTINGS (Same Fittings For Both Types I and II)

Type	1½"	2"	3"	3½"	4"	5"	6"
	Per 100 Pieces						
1. Coupling	$ 16.00	$ 18.00	$ 20.00	$ 22.00	$ 27.00	$ 34.00	$ 56.00
2. Male Adapter	42.00	82.00	113.00	188.00	200.00	240.00	270.00
3. Female Adapter	46.00	87.00	108.00	230.00	260.00	290.00	320.00
4. Bell End	64.00	87.00	98.00	110.00	117.00	134.00	168.00
5. Reducer Coupling	2 x 1-1/2—60.00		3 x 2—80.00		4 x 2—180.00		4 x 3—100.00
6. 5° Angle Coupling	80.00	88.00	96.00	102.00	105.00	140.00	187.00
7. Expansion Coupling	250.00	288.00	329.00	426.00	500.00	580.00	640.00
8. Plug	.....	27.00	31.00	42.00	53.00	72.00	90.00
9. 45° or 90° Sweep—18" R.	148.00	206.00	325.00	344.00	462.00	.....	.....
24" R.	.....	215.00	338.00	356.00	480.00	.....	.....
36" R.	.....	288.00	400.00	465.00	518.00	590.00	610.00
48" R.	.....	352.00	425.00	475.00	600.00	670.00	720.00
10. 20° Offset S-Bend		375.00	440.00	469.00	525.00	640.00	710.00
11. Base Spacer—1½" Separation	.....	14.06	15.75	18.00	18.00	25.88	.....
2" Separation	.....	.....	18.00	20.25	20.25	27.00	.....
3" Separation	.....	.....	.....	23.63	23.63	29.25	.....
12. Intermediate Spacer—1½" Sep.	.....	8.44	10.13	11.25	11.25	19.13	.....
2" Sep.	.....	.....	12.38	13.50	13.50	20.25	.....
3" Sep.	.....	.....	.....	16.88	16.88	22.50	.....

*On request.

FITTINGS AND ACCESSORIES



CEMENT AND THINNER

Size	Each Cement	Each Thinner	Approx. Cement Requirement Per Size Inches	Approx. Cement Requirement Quarts Per 100*
Pint	$0.90	$0.37	2	1½
Quart	1.65	.61	3	2
Gallon	6.30	2.33	4	3
Spray Pint	2.11	....	2	1½

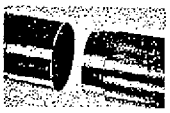
ORANGEBURG FIBRE CONDUIT AND FITTINGS

Type I — Standard CA Conduit

For use with concrete encasement. One coupling furnished with each length.

Size In.	Wt. Lbs. C Ft.	Length Pc. Ft.	Per 100 Ft. Less 2M Lb.	Less 30M Lb.*
2	127	5	$26.45	$23.00
3	164	8	28.98	25.20
3½	180	8	31.22	27.15
4	206	8	31.97	27.80
4½	274	8	45.31	39.40
5	400	5	69.46	60.40
6	511	8	93.61	81.40

Size In.	Wt. Lb. C Pcs.	Per 100 Pieces Less 2M Lb.	Less 30M Lb.*
Type I — Extra Couplings			
2	30	$27.54	$23.95
3	51	30.07	26.15
3½	79	30.93	26.90
4	93	31.97	27.80
4½	136	59.97	52.15
5	218	68.65	59.70
6	262	107.46	93.45
Type I — Adapters, Bell Ends and Reducers			
2	60	$124.94	$108.65
3	100	141.62	123.15
3½	190	158.12	137.50
4	200	169.28	147.20
4½	325	177.90	154.70
5	345	254.43	221.25
6	330	330.62	287.50
Type I — Angle Couplings, Bend Sections, Bushings, Caps and Plugs			
2	50	$35.93	$31.25
3	30	42.72	37.15
3½	90	62.50	54.35
4	140	71.87	62.50
4½	150	77.28	67.20
5	220	89.87	78.15
6	280	107.81	93.75



Type I — Bends, "S" Bends and Elbows
(One Coupling included with each Bend or Elbow)

Size In.	Wt. Lb. C Pcs.	Per 100 Pieces Less 2M Lb.	Less 30M Lb.*
2	525	$300.03	$260.90
3	800	541.53	470.90
3½	1000	611.91	532.10
4	1150	656.59	570.95
4½	1325	898.43	781.25
5	1625	1109.75	965.00
6	2125	1421.68	1236.25

PLASTIC INTERLOCK SPACERS

Size In.	Separation— 1"	1½"	Per 100 2"	3"
Intermediate Type				
2	$7.75	$8.25	$9.00	$10.00
3	9.00	10.00	12.25	15.50
3½	9.25	10.25	12.25	16.00
4	10.00	11.00	13.50	16.75
4½	13.75	14.00	14.50	18.75
5	17.75	18.75	20.00	22.25
6	32.25	33.25	34.50	35.50
Base Spacers				
2	$13.25	$13.75	$14.50	$15.50
3	14.50	15.50	17.75	20.00
3½	15.50	16.75	19.00	21.50
4	16.75	17.75	20.00	23.25
4½	19.00	20.00	21.00	23.25
5	24.50	25.50	26.75	28.75
6	39.00	40.00	41.00	43.25

EXTRA CUTTER BLADES

Nos.	Conduit Size	Each
2820-6	3"	$3.10
2820-3	3½" and 4"	3.10

*Contact us for prices on 30,000 lbs. and over.

Type II — Nocrete Conduit

For installation without concrete encasement. One coupling furnished per length.

Size In.	Wt. Lbs. C Ft.	Length Piece	Per 100 Ft. Less 2M Lb.	Less 30M Lb.*
2	150	5	$37.72	$32.80
3	251	8	47.66	41.45
3½	300	8	54.22	47.15
4	354	8	67.44	58.65
Type II — Caps, Plugs				
2	12		$35.93	$31.25
3	25		42.72	37.15
3½	35		62.50	54.35
4	40		71.87	62.50

Size In.	Wt. Lb. C Pcs.	Per 100 Pieces Less 10M Lb.	Less 30M Lb.
Type II — Extra Couplings			
2	66	$35.93	$31.25
3	86	40.25	35.00
3½	92	48.87	42.50
4	144	53.18	46.25
Type II — Adapters, Bell Ends, Expansion Joints, Reducers			
2	160	$131.21	$114.10
3	300	152.77	132.85
3½	350	172.50	150.00
4	400	188.71	164.10
Type II—Angle Couplings, Bushings			
2	70	$44.21	$38.45
3	96	52.55	45.70
3½	130	71.53	62.20
4	170	84.46	73.45
Type II—Bends, "S" Bends, Elbows			
2	700	$330.62	$287.50
3	1500	603.75	525.00
3½	1850	637.90	554.70
4	2200	830.18	721.90

TAPERING TOOL

For Type II Fibre Conduit
Used for field tooling of taper joints.

Nos.	Conduit Size	Each
0911	3½"	$25.00
0905	3" to 6"	120.00

WIREMOLD TWO-PIECE SURFACE METAL RACEWAYS & MULTI-OUTLET SYSTEMS

WIRE CAPACITIES

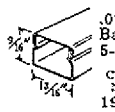
Type of Wire*	Single Conductors									
	Without Devices					With Devices				
	No. 6	No. 8	No. 10	No. 12	No. 14	No. 6	No. 8	No. 10	No. 12	No. 14
1900 Series										
R, RH, RU, T, TW, THWN	..	..	..	3	3	..	..	..	..	..
2000 Series										
RU, T, TW	..	..	..	3	3	..	..	..	4	4
R, RH, THWN	..	..	..	3	3	..	..	..	..	..
2100 Series										
R, RH	4	6	10	14	17	Consult Wiremold Wiring Guide for Wire Capacities with Devices.				
RU, T, TW	5	8	10	14	17					
THWN	6	10	12	18	23					
2200 Series										
RU, T, TW	3	7	10	10	10	3	7	10	10	10
R, RH	..	4	6	10	10	..	..	..	..	..
THWN	7	10	12	13	14	..	..	..	..	..

Type of Wire*	Single Conductors — Without Devices							With Devices				
	No. 2	No. 3	No. 4	No. 6	No. 8	No. 10	No. 12	No. 14	No. 6	No. 8	No. 10	No. 12	No. 14
G-3000 Series													
T, TW	5	6	8	11	22	40	52	66	....	....	....	....	....
THW	5	6	8	11	17	29	35	43	....	....	....	....	....
RUH, RUW	5	6	8	11	22	40	52	66	....	....	....	....	....
RH	....	....	5	7	11	19	32	39	....	....	....	....	....
RHH, RHW	....	....	5	7	11	19	23	27	....	....	....	....	....
THWN, THHN	7	8	10	17	23	49	77	103	....	....	....	....	....
RH, RHH, RHW	....	....	....	....	....	....	....	....	4	6	10	14	16
T, TW, THW, RUH, RUW	....	....	....	....	....	....	....	....	4	6	10	14	16
	....	....	....	....	....	....	....	....	6	8	10	18	26
	....	....	....	....	....	....	....	....	6	8	10	18	26
G-4000 Series†													
T, TW, RUH, RUW	6	7	8	11	22	41	53	68	4	7	11	15	17
	6	7	8	11	22	41	53	68	4	7	11	15	17
THW	6	7	8	11	17	29	36	44	4	7	11	15	17
THWN, THHN	7	9	10	17	23	50	79	106	7	8	15	24	32
RH	....	....	5	7	12	20	33	40	4	7	11	15	17
RHH, RHW	....	....	5	7	12	20	24	28	4	7	11	15	17
G-4000 Series‡													
T, TW, RUH	12	14	17	22	45	83	108	138	8	10	13	18	27
THW	12	14	17	22	35	60	74	91	8	10	13	21	21
THWN, THHN	15	18	22	34	59	101	160	215	10	15	18	34	34
RH	....	....	11	15	24	40	67	91	8	10	15	21	21
RUH	12	14	17	22	45	83	108	138	8	10	15	27	27
RHH, RHW	....	....	11	15	24	40	48	67	8	10	15	21	21

Type of Wires*	Single Conductors — No. 2/0	No. 1/0	No. 1	No. 2	No. 3	No. 4	No. 6	No. 8	No. 10	No. 12	No. 14
Without Devices											
T, TW	11	13	15	21	25	29	38	77	141	184	234
THW	11	13	16	21	26	33	38	69	102	126	153
THWN,	14	15	20	27	32	37	61	99	172	270	368
THHN	14	15	20	27	32	37	61	99	172	270	368
RH	8	10	11	15	17	19	25	41	68	114	137
RHH, RHW	8	10	11	15	17	19	25	41	68	82	97
RUH, RUW	....	....	....	21	26	33	38	77	141	184	234
With Devices											
T, TW	3	4	....	6	....	8	20	27	38	64	61
THWN	4	5	....	7	....	10	20	27	38	54	61
THW, RH	3	3	....	4	....	5	20	27	38	54	61
RHW, RHH	3	3	....	4	....	5	20	27	38	54	61

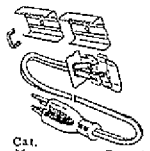
*Diameter of Conductors as Shown in N.E.C. Table 5.
†Without Divider.
‡With Divider, Power Compartment Only.

WIREMOLD® 1900 RACEWAYS



1900 Raceway — Base and Cover .025" steel, Wiremold buff or gray. Base in 10-foot lengths, Cover in 5-foot lengths.

Cat. No.	Std. Pkg.	Per 100' Less 100'	Per 100' 100' & Over
1900B	10	$14.25	$12.47
1900C	10	10.68	9.35



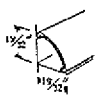
CORD SET KIT

For use with Plugmold® 2000

6 foot Type SPT cord and end fitting assembly, 2 supporting clips, 1 strain relief clamp.

Cat. No.	Description	Carton	Std. Pkg.	Wt. Lbs. Per 100	Each
20CSK	Cord Set Kit	1	10	90	$2.35

PLUGTRIM® 1900T RACEWAYS



1900T Plugtrim — .025" steel, Wiremold buff or gray. Furnished in 10-foot lengths.

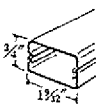
Cat. No.	Std. Pkg. Ft.	Per 100' Less 100'	Per 100' 100' & Over
1900T	10	$15.72	$13.76

Wire Capacity: 16 pair telephone cable.

Refer to the latest Wiremold Catalog and Wiring Guide, available from Graybar; for description of full line of fittings and accessories.

*Insert "G" before catalog number for gray finish.

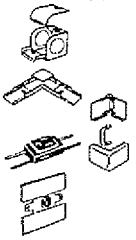
PLUGMOLD® 2000 RACEWAYS



2000 Raceway — Base .040" steel, Cover .025" steel; Wiremold buff or gray. 2000B Base and 2000C Cover in 5-foot lengths. 2000B available in 10-foot lengths.

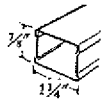
Cat. No.	Std. Pkg.	Per 100' Less 100'	Per 100' 100' & Over
2000B&C	50	$36.00	$31.50
2000B	100	18.71	16.37
2000C	100	18.08	15.82

PLUGMOLD® 2000 FITTINGS



Cat. No.	Std. Pkg. Ft.	Each	Per 100 Std. Pkg.
Entrance End Fitting			
2010A	20	$0.73	$ 54.57
90° Flat Elbow			
2011	10	.87	65.48
Internal Corner Coupling			
2017TC	10	.21	15.59
External Elbow Cover			
2018C	5	.49	36.86
Replacement Grd. Recep.			
2027G	5	1.25	109.15
Flush Plate Adapter			
2051H	5	1.54	115.38

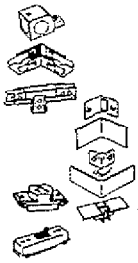
PLUGMOLD® 2100 RACEWAYS



2100 Raceway — Base and Cover, .040" steel, Wiremold buff or gray. 2100B Base in 10-foot lengths; 2100C Cover in 5-foot lengths, scored every 3".

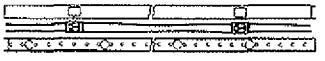
Cat. No.	Std. Pkg. Ft.	Per 100' Less 100'	Per 100' 100' & Over
2100B	100	$22.75	$19.91
2100C	100	14.93	13.06

PLUGMOLD® 2100 FITTINGS*



Cat. No.	Std. Pkg.	Each	Per 100 Std. Pkg.
Entrance End Fitting			
2110A	20	$0.83	$ 61.87
90° Flat Elbow			
2111	20	1.02	76.41
Tee			
2115	5	1.38	103.69
Internal Corner Coupling			
2117TC	20	.78	58.43
External Corner Coupling			
2118A	10	1.23	92.00
Grounding Receptacle			
2127G	50	1.10	82.64
3-Wire Grounding Receptacle			
2127GA	50	2.43	182.43
Single Pole Switch			
2140	5	3.12	233.88
Flush Extension Adapter			
2151	10	1.34	116.87

PLUGMOLD® 2000 WITH SNAPICOIL®



48' or 50' harness of prewired receptacles with base, cover, couplings, wire clips and W30 connectors.

Cat. No.	Std. Pkg.	Wt. Lbs.	Each
2-Wire, Single Circuit, Grounding			
20G06	1	32	$61.39
20G12	1	29½	41.25
20G18	1	29½	35.23
20G30	1	29½	31.14
20G60	1	29½	27.32
Duplex Receptacles			
20DG30	1	30¾	48.12
20DG60	1	30	32.74
3-Wire, 2-Circuit, Grounding			
20GA30	1	30½	35.75
20GA60	1	30	32.86
Duplex Receptacle			
20DGA30	1	31¾	52.25
20DGA60	1	31	35.86
3-Wire, Single Circuit, Grounding			
20GB06	1	34	82.18
20GB12	1	31	53.95
20GB18	1	31	47.26
20GB30	1	32	40.30
20GB60	1	31	34.77

Fittings for use with each system are partially listed, and are typical. Refer to the latest Wiremold Catalog and Wiring Guide, available from Graybar; for description of full line of fittings and accessories.

*Insert "G" before catalog number for gray finish.

Prices shown are for Eastern Zone — approximately 5% higher for Western Zone.

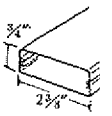
PLUGMOLD® 2000 WIRED SECTIONS



Cat. No.	Carton	Std. Pkg.	Wt. Per 100 Lbs.	Each Ctn.	Each Pkg.
2-Wire Single Circuit, Grounding					
20G306	10	1	200	$5.19	$4.54
20G506	10	1	315	8.39	7.34
20G512	10	1	310	5.81	5.09
20G606	10	1	390	8.99	7.86
20G609	10	1	380	7.73	6.76
20G612	10	1	372½	6.66	5.83
20G618	10	1	370	5.59	4.89
Duplex Receptacle					
20DG106	10	1	87½	5.34	4.67
3-Wire, Two Circuit, Grounding					
20GA512	10	1	335	$ 6.80	$ 5.95
20GA609	10	1	400	8.78	7.69
20GA612	10	1	394	7.62	6.67
20GA618	10	1	400	6.87	6.00
3-Wire, Single Circuit, Grounding					
20GB306	10	1	221½	6.72	5.88
20GB506	10	1	356	10.17	8.90
20GB512	10	1	327	7.48	6.54
20GB606	10	1	425	12.37	10.82
20GB609	10	1	415	9.66	8.46
20GB612	10	1	393¾	9.00	7.88
20GB618	10	1	390	7.51	6.57

Note: Available in 1-, 3-, 5- or 6-foot lengths.

PLUGMOLD® 2200 RACEWAYS



2200 Raceway — 2200B Base and 2200C Cover .040" steel, Wiremold buff or gray; in 5-foot lengths; also available as separate items in 10-foot lengths.

Cat. No.	Std. Pkg. Ft.	Per 100' Less 50'	Per 100' 50' & Over
2200B&C	50	$57.57	$50.38
2200B	100	28.51	24.95
2200C	100	31.42	27.50

PLUGMOLD® 2200 FITTINGS*



Cat. No.	Std. Pkg.	Each	Per 100 Std. Pkg.
90° Flat Elbow			
2211	5	$1.70	$148.49
Internal Corner Coupling			
2217TC	5	.71	62.37
External Elbow Cover			
2218C	5	1.10	95.84

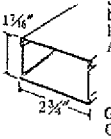
PLUGMOLD® 2200 WITH SNAPICOIL®*



48' or 50' harness of prewired receptacles with base, cover, couplings, wire clips and W30 connectors.

Cat. No.	Std. Pkg.	Wt. Lbs. Each	Each
2-Wire, Single Circuit, Grounding			
22G18	1	60	$51.96
22G30	1	52	42.98
22G60	1	51½	38.37
Duplex Receptacles			
22DG30	1	62¼	57.77
22DG60	1	51	45.22
3-Wire, Two Circuit, Grounding			
22GA30	1	52½	45.46
22GA60	1	52	40.82
Duplex Receptacles			
22DGA30	1	53¾	57.69
22DGA60	1	52¾	48.12
3-Wire, Single Circuit, Grounding			
22GB18	1	50	61.97
22GB30	1	54½	60.13
22GB60	1	53½	48.99

PLUGMOLD® 3000 RACEWAYS



3000 Raceway — 3000B Base and 3000C Cover .040" steel, Wiremold buff or gray. 3000B in 10-foot lengths; 3000C in 5-foot lengths. Available as separate items.

Cat. No.	Std. Pkg. Ft.	Per 100' Less 50'	Per 100' 50' & Over
G-3000B&C	50	$62.85	$55.00
G-3000B	100	39.28	34.37
G-3000C	100	23.57	20.63

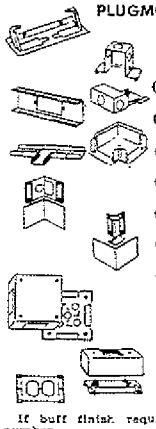
Fittings for use with each system are partially listed, and are typical. Refer to the latest Wiremold Catalog and Wiring Guide, available from Graybar; for description of full line of fittings and accessories.

*Insert "G" before catalog number for gray finish.

If buff finish required, omit prefix "G" before catalog number.

WIREMOLD TWO-PIECE SURFACE METAL RACEWAYS & MULTI-OUTLET SYSTEMS

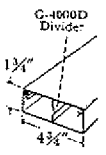
PLUGMOLD® 3000 FITTINGS*



Cat. No.	Std. Pkg.	Each	Per 100 Std. Pkg.
Device Bracket			
G-3007C	50	$0.54	$ 40.15
Hanger Clamp			
G-3008A	50	1.47	110.00
Entrance End Fitting			
G-3010A	20	.94	82.50
90° Flat Elbow			
G-3011	10	1.67	146.15
Wall Box Connector			
G-3014C	5	1.32	115.38
Tee			
G-3015	10	3.19	278.95
Internal Corner Coupling			
G-3017TC	10	1.07	93.50
External Corner Coupling			
G-3018A	5	1.51	132.53
Utility Box			
G-3028	5	4.45	389.79
Duplex Receptacle Cover			
G-3046B	50	.92	68.75
Circuit Breaker Housing			
G-3046KD	10	4.00	350.00

If buff finish required, omit prefix "G" before catalog number.

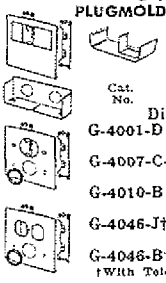
PLUGMOLD® G-4000 RACEWAYS



G-4000 Raceway—G4000B Base .060", G-4000-C Cover and G-4000D Divider .040", galvanized steel. Furnished separately; G-4000B in 10-foot, G-4000C in 5-foot lengths; gray outside. G-4000D in 5-foot lengths, Wiremold buff one side.

Cat. No.	Std. Pkg. Ft.	Per 100' Less 25'	25' & Over
G-4000B	20	$78.57	$ 68.75
G-4000C	20	47.14	41.25
G-4000D	20	15.72	13.76

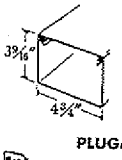
PLUGMOLD® G-4000 FITTINGS



Cat. No.	Std. Pkg.	Each	Per 100 Std. Pkg.
Divider Clip & Coupling			
G-4001-D	50	$0.37	$ 27.50
1-Gang Device Plate			
G-4007-C-1	5	.94	82.50
Blank End Fitting			
G-4010-B	5	.94	70.73
Single Receptacle			
G-4046-J†	5	1.23	107.25
Duplex Receptacle			
G-4046-B†	5	1.23	107.25

†With Telephone Outlet Cover.

PLUGMOLD® G-6000 RACEWAYS



G-6000 Raceway—G-6000B, Base .050"; G-6000C cover .040", galvanized steel, gray outside, furnished separately in 4-foot lengths.

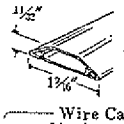
Cat. No.	Std. Pkg. Ft.	Per 100' Less 100'	100' & Over
G-6000B	20	$125.70	$110.00
G-6000C	20	47.14	41.25

PLUGMOLD® G-6000 FITTINGS



Cat. No.	Std. Pkg.	Each	Std. Pkg. Per 100
1-Gang Device Plate			
G-6007C-1	10	$1.04	$ 90.87
2-Gang Device Plate			
G-6007C-2	5	1.41	123.75
Combination Flat Elbow			
G-6011TX	10	5.50	412.48
Connector Fitting			
G-6014A	1	.....	515.61
Internal-External Elbow			
G-6017TX	10	5.13	384.98
Circuit Breaker Housing			
G-6046KD	1	.....	940.00

PANCAKE® OVERFLOOR RACEWAY



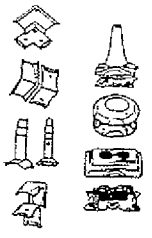
1500 Raceway — .040" steel, galvanized. Furnished in 10-foot lengths; available in 5-foot lengths.

Cat. No.	Std. Pkg. Ft.	Per 100'	100' & Over
1500	100	$29.61	$25.91

Wire Capacity — Single Conductor				JKT Wire — Telephone Type		
No.	No.	No.	No.	JKT-2	JKT-3	JKT-4
6	8	10	12	14		
Types R, RH						
..	..	..	4	4	....	....
Types RU, T, TW						
..	4	6	8	5*	5*	4*
Type THWN						
2	3	5	8	10	6†	6†

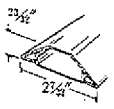
*With 1500WC Wire Clips. †Without Clips.

PANCAKE® OVERFLOOR FITTINGS



Cat. No.	Std. Pkg.	Each	Std. Pkg. Per 100
90° Flat Elbow			
1511	20	$0.83	$ 65.13
Internal Elbow			
1517	20	.92	72.37
Adapter Fitting			
1517A	20	1.10	82.50
External Elbow			
1518	5	1.16	87.30
Narrow Telephone Outlet			
1524A	10	1.28	111.64
Junction Box			
1542D	20	1.28	96.25
Grounding Duplex Receptacle			
1543GL	20	2.46	215.00

PANCAKE® OVERFLOOR 2600 RACEWAY



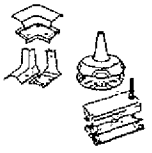
2600 Raceway—Cover .050" and Base .040" steel, galvanized. Furnished in 10-foot lengths; available in 5-foot lengths.

Cat. No.	Std. Pkg. Ft.	Per 100 Less 100'	100' & Over
2600	50	$45.75	$40.04

Wire Capacity — Power — Single Conductor				
No.	No.	No.	No.	No.
6	8	10	12	14
Types R, RH				
2	4	6	10	10
Types RU, T, TW				
4	7	8	10	10
Type THWN				
6	8	10	14	16

Telephone: Three 25-pair cables or two 50-pair.

PANCAKE® OVERFLOOR 2600 FITTINGS



Cat. No.	Std. Pkg.	Each	Std. Pkg. Per 100
90° Flat Elbow			
2611	10	$1.28	$112.26
Telephone Elbow			
2617T	10	1.39	121.61
Telephone Outlet			
2642H	40	1.73	151.25
Connecting Block Fitting			
2644T	10	5.79	506.74

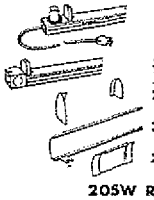
FLUORESCENT LIGHTING UNITS & ACCESSORIES



Cat. No.	Carton	Std. Pkg.	Each	Per 100
Light Adapter				
2021LA	5	20	$2.60	$194.90

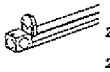
20A SERIES FLUORESCENT UNITS
With White Finish

Each unit equipped with an FS-2 Starter: 2 mounting clips. No. 20A7 with Slide Switch. 6 ft. cord and plug. No. 20A-10 and 20A-11 with 3" leads.



Cat. No.	Carton	Std. Pkg.	Each Ctn.	Each Pkg.
For 1-15 Watt Lamp — 20"				
20A-7	1	10	$ 8.55	$ 7.48
For 1-15 Watt Lamp — 21½"				
20A-10	1	10	6.96	6.09
For 2-15 Watt Lamp — 41½"				
20A-11	1	10	14.17	12.40
Reflector Kit				
20ARK	1	10	2.53	2.21

20SW RAPID START UNITS
With White Finish



Cat. No.	Carton	Std. Pkg.	Each Ctn.	Each Pkg.
For 1-30T12/RS Lamp — 37⅜"				
20SW36RS	1	2	$7.34	$5.50
For 1-40T12RS Lamp — 49⅜"				
20SW48RS	1	2	7.98	5.98

20SW SLIMLINE UNITS
With White Finish



Cat. No.	Carton	Std. Pkg.	Each Ctn.	Each Pkg.
For 1-42T6 Lamp — 43½"				
20SW42	1	2	$ 7.34	$5.50
For 1-48T12 Lamp — 49½"				
20SW48	1	2	7.98	5.98
For 1-64T6 Lamp — 65½"				
20SW64	1	2	8.53	6.39
For 1-72T12 Lamp — 73½"				
20SW72	1	2	9.37	7.03
For 1-96T8 or T12 Lamp — 97½"				
20SW96	1	2	10.36	7.77

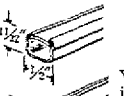
Fittings for use with each system are partially listed, and are typical. Refer to the latest Wiremold Catalog and Wiring Guide, available from Graybar; for description of full line of fittings and accessories.

*Insert "G" before catalog number for gray finish.

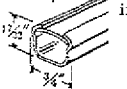
Prices shown are for Eastern Zone — approximately 5% higher for Western Zone.

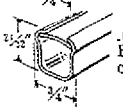
RACEWAYS AND MULTI-OUTLET SYSTEMS

ONE-PIECE SURFACE WIRING SYSTEMS 200, 500, 700 AND 1000 RACEWAY

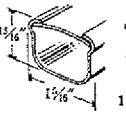


200 RACEWAY — .025" steel, Wiremold buff finish. Furnished in 5-foot lengths, with coupling.





500, 700 and 1000 RACEWAY — .040" steel, Wiremold buff finish. Furnished in 10-foot lengths, with coupling.



Cat. No.	Std. Pkg. Ft.	Less 100'	100' to 1000'
200	100	$15.51	$14.05
500	100	18.81	17.03
700	100	21.06	19.06
1000	100	35.76	31.29

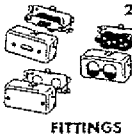
Wire Capacities — Single Conductor						
Cat. No.	No. 6	No. 8	No. 10	No. 12	No. 14	No. 16	No. 18
Types R and RH							
200	..	..	..	2	3	4	4
500	..	..	2	4	5	6	6
700	..	2	3	6	7	10	10
1000	4	5	6	10	10	24	24
Types RU, T and TW							
200	..	..	..	3	3	6	8
500	..	2	4	6	6	10	10
700	..	3	6	8	8	16	18
1000	5	8	8	10	10	40	50
Type THWN							
200	..	..	..	3	3	..	..
500	..	2	4	7	7	..	..
700	2	3	6	10	11	..	..
1000	6	10	10	18	21	..	..

FITTINGS FOR USE WITH WIREMOLD® 200



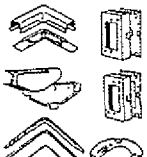
Cat. No.	Std. Pkg.	Each	Per 100 Std. Pkg.
Wire Connector			
W30	50	$0.21	$15.59
Supporting Clip			
203	100	.06	4.15
90° Flat Elbow			
211	20	.36	27.01
Internal Elbow			
217	40	.71	53.02
External Elbow			
218	30	.59	44.00
Extension Adapter			
251	20	.95	82.74

FITTINGS FOR USE WITH WIREMOLD 200, 500 AND 700



Cat. No.	Std. Pkg.	Each	Std. Pkg. Per 100
1-Pole — Switch and Box			
57240	20	$1.92	$167.65
Utility Box			
57242	20	1.00	87.57
Dupl. Grd. Recep. and Box			
57243G	40	2.32	202.70

FITTINGS FOR USE WITH WIREMOLD 500 AND 700



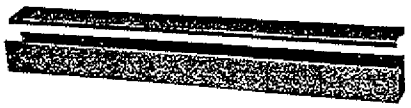
Cat. No.	Std. Pkg.	Each	Std. Pkg. Per 100
90° Flat Elbow for No. 500			
511	50	$0.31	$ 23.00
Tee			
5715	20	.74	55.13
Internal Elbow for No. 500			
517	50	.38	28.14
External Elbow for No. 500			
518	50	.37	27.45
Corner Box			
5719D	10	1.28	96.25
Keyless Receptacle			
5726	20	2.42	181.49
Blank Extension Box			
5734	20	1.33	116.56
Distribution Box			
5735	10	1.85	161.85
Fixture Box — Solid Base			
5738	20	1.40	122.87
Shallow Sw. and Recep. Box			
5747	50	.89	77.96
Flush Extension Adapter			
5751	40	.98	85.75

FITTINGS FOR USE WITH WIREMOLD® 1000



Cat. No.	Std. Pkg.	Each	Std. Pkg. Per 100
90° Flat Elbow			
1011	10	$1.07	$93.55
Internal Elbow			
1017	5	1.70	148.49
External Elbow			
1018	5	1.36	118.79
Distribution Box			
1035	5	4.50	393.51

KEYSTONE COLUMBIA FLANGELESS SCREW-COVER AND HINGED-COVER WIREWAY AND FITTINGS



Flangeless Screw-Cover Wireway



"T" Fitting and Pull Box



90° Elbow and Pull Box



Flangeless Hinged-Cover Wireway

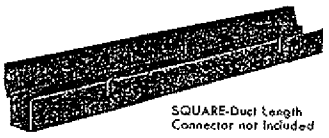
Wireways furnished with knockouts. All wireways and fittings furnished with necessary mounting screws. Standard finish is corrosion-resistant gray baked enamel. Galvanized finish available at no additional charge.

	2½"x2½" Size Keystone Nos.	Each	4"x4" Size Keystone Nos.	Each	6"x6" Size Keystone Nos.	Each	8"x8" Size Keystone Nos.	Each	10"x10" Size Keystone Nos.	Each	12"x12" Size Keystone Nos.	Each
Wireway-1-ft. length	KFW221	$ 1.39	KFW441	$ 1.63	KFW661	$ 3.59	KFW881	$ 6.07	KFW10101	$11.35	KFW12121	$12.88
Wireway-2-ft. length	KFW222	2.44	KFW442	2.72	KFW662	4.75	KFW882	9.25	KFW10102	17.14	KFW12122	19.82
Wireway-3-ft. length	KFW223	3.59	KFW443	4.35	KFW663	6.54	KFW883	13.31	KFW10103	21.51	KFW12123	25.04
Wireway-4-ft. length	KFW224	4.87	KFW444	5.79	KFW664	8.85	KFW884	16.21	KFW10104	25.84	KFW12124	30.23
Wireway-5-ft. length	KFW225	5.79	KFW445	6.54	KFW665	10.94	KFW885	19.10	KFW10105	30.16	KFW12125	35.45
Wireway-6-ft. length	KFW226	7.38	KFW446	8.25	KFW666	11.69	KFW886	25.93	.....	.....	.....	.....
Wireway-10-ft. length	KFW2210	11.93	KFW4410	13.43	KFW6610	22.58	KFW8810	39.18	KFW101010	62.38	KFW12121O	73.24
T Fitting and Pull Box	KFTF220	4.92	KFTF440	5.79	KFTF660	6.60	KFTF880	16.55	KFTF1010	25.04	KFTF1212	29.20
90° Elbow and Pull Box	KFEP220	3.48	KFEP440	3.99	KFEP660	5.62	KFEP880	7.70	KFEP1010	13.96	KFEP1212	15.89
90° Inside & Outside Elbow	KFEP10220	4.43	KFEP10440	6.06	KFEP10660	7.20	KFEP10880	8.11	KFEP101010	13.96	KFEP101212	15.89
45° Elbow	KFE220-45	2.72	KFE440-45	3.36	KFE660-45	4.75	KFE880-45	7.64	KFE1010-45	13.96	KFE1212-45	15.89
Panel Adapter	KFPA220	1.16	KFPA440	1.34	KFPA660	2.04	KFPA880	2.89	KFPA1010	6.32	KFPA1212	7.32
U-Connector	KFUC220	.43	KFUC440	.48	KFUC660	.75	KFUC880	.99	KFUC1010	2.09	KFUC1212	2.35
Closing Plate	KFCP220	.38	KFCP440	.39	KFCP660	.75	KFCP880	.99	KFCP1010	2.44	KFCP1212	2.61
Cross-Pull Box	KFCPB220	5.57	KFCPB440	6.60	KFCPB660	6.60	KFCPB880	18.52	.....	.....	.....	.....
Bracket Hanger	KFUH220	.58	KFUH440	.75	KFUH660	2.31	KFUH880	3.19	KFUH1010	3.01	KFUH1212	3.31
Drop Hanger	KFUH220	.58	KFUH440	.75	KFUH660	2.31	KFUH880	3.19	.....	.....	.....	.....
Lay-In Adapter	KFLA220	2.29	KFLA440	2.86	KFLA660	6.37	KFLA880	9.75	.....	.....	.....	.....
Reducing Bushing	.....	.....	KFRB420	2.49	KFRB640	5.50	KFRB860	6.37	.....	.....	.....	.....
Reducing Bush	.....	.....	.....	.....	KFRB646	5.50	.....	.....	.....	.....	.....	.....
Telescope Fitting	KFTSF220	5.04	KFTSF440	5.04	KFTSF660	20.83	.....	.....	.....	.....	.....	.....

Also available in 4"x6".

Note: For wireway without knockouts, add suffix NKO to Cat. No. The 10 x 10 and 12 x 12 wireway is available less K.O. only.

SQUARE D RAINTIGHT WIREWAY



SQUARE-Duct Length Connector not included



Raintight Wireway

Description	4" x 4" Size Cat. Nos.	Each	6" x 6" Size Cat. Nos.	Each
1 Ft. Length	RD41	$4.13	RD61	$8.64
2 Ft. Length	RD42	6.16	RD62	10.67
3 Ft. Length	RD43	8.91	RD63	14.85
4 Ft. Length	RD44	11.00	RD64	19.25
5 Ft. Length	RD45	13.20	RD65	23.10

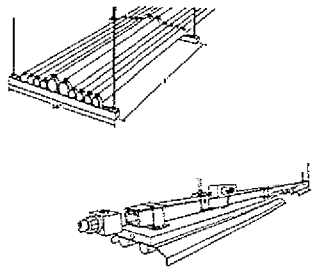
SQUARE-Duct AND FITTINGS

SQUARE-Duct is a combination wireway, usable as either Hinge Cover or Screw Cover Duct, provides full lay-in features throughout. Hinged covers are quickly removed and replaced by pressing spring tabs. *UL approved as steel enclosed wireway and auxiliary gutter. Finish:* Gray baked enamel.

NO CONNECTORS ARE FURNISHED WITH LENGTHS OR FITTINGS

Component	Description	2½" x 2½" Cat. No. Knock-outs	2½" x 2½" Cat. No. Without Knockouts	2½" x 2½" Wt.	2½" x 2½" Price	4" x 4" Cat. No. Knock-outs	4" x 4" Cat. No. Without Knockouts	4" x 4" Wt.	4" x 4" Price	6" x 6" Cat. No. Knock-outs	6" x 6" Cat. No. Without Knockouts	6" x 6" Wt.	6" x 6" Price	8" x 8" Cat. No. Without Knockouts	8" x 8" Wt.	8" x 8" Price
Length	1 Foot	LD21	LD21WK	2¾	$1.49	LD41	LD41WK	4	$1.82	LD61	LD61WK	6	$3.96	LD81	8	$6.66
	2 Foot	LD22	LD22WK	5	2.31	LD42	LD42WK	7	2.97	LD62	LD62WK	11	5.17	LD82	17	10.23
	3 Foot	LD23	LD23WK	7½	3.96	LD43	LD43WK	11	4.79	LD63	LD63WK	16	7.15	LD83	26	14.85
	4 Foot	LD24	LD24WK	10	5.39	LD44	LD44WK	15	6.44	LD64	LD64WK	22	9.74	LD84	34	18.15
	5 Foot	LD25	LD25WK	11¾	6.38	LD45	LD45WK	18	7.15	LD65	LD65WK	26½	12.05	LD85	42	20.90
	10 Foot	LD210	LD210WK	24	13.15	LD410	LD410WK	36	14.85	LD610	LD610WK	53	25.30	.....	..	.....
Elbow	90 degrees	LD290L	.....	1	3.85	LD490L	.....	3	4.46	LD690L	.....	8	6.16	LD88L	20	9.57
	90 degree sweep bend	.....	.....	....	.....	LD490LS	.....	3	9.41	LD690LS	.....	10	13.04	.....	..	.....
	45 degrees	LD245L	.....	1	2.97	LD445L	.....	3	3.74	LD645L	.....	7	5.17	LD845L	20	9.57
	22½ degrees	LD225L	.....	1	2.97	LD423L	.....	3	3.74	LD625L	.....	5	5.17	.....	..	.....
Tee	Branch from runs	LD2T	.....	2	5.45	LD4T	.....	4	6.38	LD6T	.....	8	7.21	LD88T	19	20.35
Junction Box	For T, L or Cross (4 sides—1 opening each)	LD2J	.....	2	6.11	LD4J	.....	4	7.21	LD6J	.....	9	7.21	LD85J	30	20.35
Pull Box	For T, L or Cross (2 sides—1 opening)	.....	.....	....	.....	LD4PB	.....	14	19.80	LD6PB	.....	26	40.15	.....	..	.....
	(2 sides—2 openings)	.....	.....	....	.....	.....	.....	....	.....	.....	.....	....	.....	.....	..	.....
Telescope	Slide adjustment	LD2TF	.....	5	5.56	LD4TF	.....	5	5.56	LD6TF	.....	9	23.10	.....	..	.....
Transposition Section	Rotates wireway 90°	LD21TS	.....	3	2.53	LD41TS	.....	4	3.19	LD61TS	.....	6	6.99	.....	..	.....
Connector	Couples lengths and fittings	LD2C	.....	⅜	.39	LD4C	.....	⅜	.39	LD6C	.....	1	.77	LD88C	1	1.10
Hanger	Universal—drop or side	LD2H	.....	½	.66	LD4H	.....	1¼	.83	LD6H	.....	2½	2.53	LD88H	3	3.52
Closing Plate	Seals openings	LD2CP	LD2CPWK	¼	.39	LD4CP	LD4CPWK	½	.39	LD6CP	LD6CPWK	1	.77	LD88E	2	1.10
Wire Retainer	Snap-in spring steel strap	LD2WR	.....	⅛	.....	LD4WR	.....	¼	.17	LD6WR	.....	⅛	.17	.....	..	.....
Adaptor	Connects to panel square duct, etc.	LD22A	.....	1	1.27	LD44A	.....	1½	1.49	LD66A	.....	4	2.20	LD88A	2	3.19
Reducer	4" x 4" to 2½" x 2½"	.....	.....	....	.....	LD42R	.....	1	2.97	.....	.....	....	.....	.....	..	.....
	6" x 6" to 4" x 4"	.....	.....	....	.....	.....	.....	....	.....	LD64R	.....	2	6.05	.....	..	.....
	8" x 8" to 6" x 6"	.....	.....	....	.....	.....	.....	....	.....	.....	.....	....	.....	LD86R	2	6.99
Gusset Bracket	Mount for vertical wall (No hanger required)	LD2GB	.....	¼	.66	LD4GB	.....	½	.83	LD6GB	.....	1	2.53	.....	..	.....
Nipple	3 Inch	LD23N	.....	½	1.65	LD43N	.....	1	1.93	LD63N	.....	2	3.06	.....	..	.....
	6 Inch	LD26N	.....	1	1.54	LD46N	.....	2	1.93	LD66N	.....	3	3.96	.....	..	.....
	9 Inch	LD29N	.....	2	1.65	LD49N	.....	3	1.93	LD69N	.....	4½	3.06	.....	..	.....
Cut-off Fitting	For cutting odd dimensions 3 Foot	LD23CF	.....	7½	3.06	LD43CF	.....	11	4.79	LD63CF	.....	16	7.15	LD83CF	28	14.85

THE KINDORF CHANNEL ERECTOR SYSTEM



Prices designated by Zones are F.O.B. the following states:

Zone A		Zone B	Zone C
Connecticut	N. Hampshire	Alabama	Arizona
Delaware	New Jersey	Arkansas	California
Dist. of Columbia	New York	Colorado	Idaho
Illinois	N. Carolina	Florida	Montana
Indiana	Ohio	Georgia	Nevada
Iowa	Pennsylvania	Kansas	New Mexico
Kentucky	Rhode Island	Louisiana	Oregon
Maine	Tennessee	Mississippi	Utah
Maryland	Vermont	Nebraska	Washington
Massachusetts	Virginia	N. Dakota	Wyoming
Michigan	West Virginia	Oklahoma	
Minnesota	Wisconsin	S. Carolina	
Missouri		S. Dakota	
		Texas	

For Alaska, Hawaii and points outside the territorial limits of the United States — Prices upon request.

All Channels have ⅞" Continuous Slot and are produced with Solid Bases, Bolt Holes, Slots or KO's.

	Cat. No.	Wt. Lbs. 100 Ft.	Description	Gauge	Per 100 Feet Zone A	Zone B	Zone C
STEEL							
1½" x ¾"	B-906	76	Solid Base	14	$ 33.20	$ 34.10	$ 35.00
	B-907	71	Holes	14	37.20	38.00	38.80
	G-956	80	Slots*	14	37.10	38.10	39.00
1½" x 1½"	B-900	168	Solid Base	12	59.30	61.20	63.10
	B-900-M	107	Solid Base	14	47.90	49.20	50.40
	B-905	160	Holes	12	63.30	65.20	67.00
	B-905-M	100	Holes	14	51.80	53.00	54.20
	G-953	154	Slots	12	62.60	64.40	66.20
	G-975	168	KO's	12	63.30	65.30	67.20
	G-975-M	107	KO's	14	51.80	53.10	54.30
1½" x 1⅞"	B-901	196	Solid Base	12	64.50	66.80	69.10
	B-909	188	Holes	12	64.50	66.70	68.90
	G-965	191	KO's	12	67.10	69.40	71.70
	G-950	194	Slots**	12	68.60	70.90	73.10
1½" x 3"	B-902	285	Solid Base	12	96.20	99.50	102.80
	B-903	277	Holes	12	100.00	103.20	106.40
	G-955	270	KO's	12	98.80	101.90	105.00
ALUMINUM							
1½" x 1½"	B-900-AL	58	Solid Base	12	69.60	69.80	70.50
	B-905-AL	56	Holes	12	73.20	73.90	74.50

Holes — ½" holes on 1½" centers
Slots — *3" slots on 4" centers **one 2¼" slots on 4' centers
KO's — ½" KO's on 6" centers

STEEL NUTS

With and Without Self-Holding Spring

	Cat. No.	Size In.	Per 100 Zone A	Zone B	Zone C
B-910 For use with all channels	B-910-¼	¼	$11.40	$11.40	$11.50
	B-910-⅜	⅜	12.70	12.80	12.90
	B-910-½	½	13.30	13.40	13.50
B-911 Spring Nut for 1½" deep channels	B-911-¼	¼	15.50	15.60	15.70
	B-911-⅜	⅜	16.80	16.90	17.00
	B-911-½	½	18.00	18.10	18.20
B-912 Spring Nut for ¾" deep channel	B-912-¼	¼	14.90	14.90	15.00
	B-912-⅜	⅜	16.20	16.30	16.40
	B-912-½	½	16.80	16.90	17.00

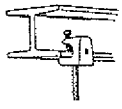
HEX HEAD CAP SCREW (less nut)

For Connection of Fittings to Channel

Cat. No.	Size In.	Per 100 Zone A	Zone B	Zone C
H-113-A	½ x ⅜	$7.20	$7.20	$7.30
H-113-B	½ x 1	7.70	7.80	7.90
H-113-N	⅜ x ⅜	3.30	3.30	3.30
H-113-O	⅜ x 1	3.60	3.60	3.60

HEX NUT

Cat. No.	Size In.	Per 100 Zone A	Zone B	Zone C
H-114-A	¼	1.20	1.20	1.20
H-114-B	⅜	1.90	1.90	1.90
H-114-C	½	2.50	2.50	2.50
H-114-D	½	4.90	4.90	5.00



500 SERIES BEAM CLAMPS

For ¼" Through ½" Rod

Furnished with tapped holes in base and back for bolt or hanger rod.

Cat. No.	Jaw Opening Inches	Hole Tapped	Wt. Lbs. Per 100	Per 100
510	⅝	¼-20	15	$ 20.00
511	⅝	10-24	15	20.00
500	1⅛	¼-20	23	28.00
509	1⅛	10-24	23	28.00
501	⅞	⅜-18	47	48.00
502	1	⅜-16	95	80.00
503	1	½-13	164	122.00
505	⅞	Two 10-24 & two ⅜" untapped	78	77.00
506	1⅛	Two 10-24 & two ½-13	108	95.00
507	1⅜	½-13	165	122.00
508	2⅛	½-13	184	139.00



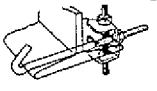
E-232 BEAM CLAMP

With Swing Connector

Cat. No.	For Rod Inches	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
E-232-⅜	⅜	48	$48.00	$48.50	$49.10
E-232-½	½	80	68.20	69.10	70.00

E-160 ADJUSTABLE BEAM CLAMP

For ½" Rod



Clamps to I-beam where flange edge does not exceed .8" thickness. Three sizes to fit beam flanges from 2½" through 12" width.

Cat. No.	For Beam Flange Width In.	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
E-160-½-6	2½ to 6	115	$72.80	$74.10	$75.40
E-160-½-9	5½ to 9	125	78.10	79.50	80.90
E-160-½-12	8½ to 12	154	83.30	85.00	86.80



CONCRETE INSERTS

Spot Type

Ready to install — K.O. removed after concrete sets.

Cat. No.	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
D-255	52	$19.60	$20.20	$20.80

H-193 HANGER ROD

Continuous Thread

Precision made with true, free running threads — one, one and one-half, two, three, four, six, ten and twelve foot lengths. Suffix indicates rod size and length.

Cat. No.	Dia. In.	Wt. Lbs. Per 100 Ft.	Per 100 Feet Zone A	Zone B	Zone C
H-193-¼-1	¼	12	$ 19.00	$19.10	$19.20
H-193-¼-1½	¼	18	25.40	25.60	25.80
H-193-¼-2	¼	24	38.10	38.30	38.60
H-193-¼-3	¼	36	50.80	51.20	51.60
H-193-¼-4	¼	48	67.80	68.30	68.90
H-193-¼-6	¼	74	99.40	100.20	101.10
H-193-¼-10	¼	124	163.30	164.70	166.10
H-193-¼-12	¼	148	195.90	197.60	199.30
H-193-⅜-1	⅜	30	24.30	24.60	24.90
H-193-⅜-1½	⅜	47	35.40	35.90	36.40
H-193-⅜-2	⅜	66	48.70	49.40	50.20
H-193-⅜-3	⅜	88	66.00	67.00	68.00
H-193-⅜-4	⅜	126	86.60	88.00	89.50
H-193-⅜-6	⅜	174	140.10	142.10	144.10
H-193-⅜-10	⅜	290	232.70	236.00	239.30
H-193-⅜-12	⅜	348	277.50	281.50	285.50
H-193-½-1	½	54	32.20	32.80	33.40
H-193-½-1½	½	84	46.10	47.00	48.00
H-193-½-2	½	118	64.40	65.70	67.10
H-193-½-3	½	162	87.90	89.70	91.60
H-193-½-4	½	220	116.50	118.50	121.10
H-193-½-6	½	324	186.20	189.90	193.60
H-193-½-10	½	530	305.40	311.60	317.80
H-193-½-12	½	648	367.10	374.50	382.00



C-105

SINGLE BOLT PIPE STRAPS

Notched steel straps are twist inserted anywhere along channel slot to secure pipe and conduit. Slotted hex-head screw can be tightened with wrench or screw driver — square nut will not rotate. No holes to drill.

C-105 PIPE AND RIGID CONDUIT STRAPS — STEEL

Cat. No.	O.D. of Conduit or Pipe	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
C-105-⅜	.675	14	$14.60	$14.70	$14.90
C-105-½	.840	15	17.00	17.10	17.30
C-105-¾	1.050	16	19.50	19.60	19.80
C-105-1	1.315	18	20.70	20.90	21.10
C-105-1¼	1.660	20	24.10	24.30	24.50
C-105-1½	1.900	29	26.30	26.60	26.90
C-105-2	2.375	33	28.90	29.20	29.60
C-105-2½	2.875	38	31.90	32.30	32.70
C-105-3	3.500	45	35.30	35.80	36.30
C-105-3½	4.000	58	41.00	41.60	42.30
C-105-4	4.500	64	44.10	44.80	45.50
C-105-5	5.563	76	51.30	52.10	53.00
C-105-6	6.625	89	64.70	65.70	66.70
C-105-8	8.625	114	80.40	81.70	83.00

C-105 straps also available in aluminum

C-106 E.M.T. STRAPS — STEEL

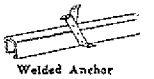


C-106

Cat. No.	O.D. of Conduit or Pipe	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
C-106-⅜	.577	13	$14.60	$14.70	$14.90
C-106-½	.706	13	17.00	17.10	17.30
C-106-¾	.922	13	19.50	19.60	19.80
C-106-1	1.163	16	20.70	20.80	21.00
C-106-1¼	1.508	19	23.20	23.40	23.60
C-106-1½	1.738	20	25.60	25.80	26.00
C-106-2	2.195	22	27.00	27.20	27.50

CONTINUOUS SLOT CONCRETE INSERTS

Slots sealed with moisture resistant tape.



Welded Anchor

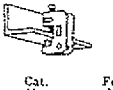


Punched Anchor

Cat. No.	Cross Section	Per 100 Feet Zone A	Zone B	Zone C
	Welded			
D-980	1½" x 1½" x 12 ga.	$88.50	$90.50	$92.50
D-986	1½" x ¾" x 14 ga.	67.70	68.70	69.70
	Punched			
D-990	1½" x 1½" x 12 ga.	26.70	90.50	92.50
D-996	1½" x ¾" x 14 ga.	43.10	68.70	69.70

E-231 BEAM CLIP

For ⅜" and ½" Rod

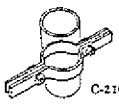


Clamps to I-beam, channel and columns up to .8" flange thickness. Hardened steel cup-pointed set screw screws the clamp to the flange.

Cat. No.	For Rod Inches	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
E-231-⅜	⅜	32	$26.70	$27.00	$27.40
E-231-½	½	56	43.10	43.70	44.30

KINDORF

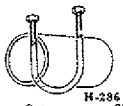
C-210 RISER CLAMPS


C-210

Firmly grips vertically mounted pipe or conduit and distributes the load over a larger area. Two bolts and nuts included. Galv-krom finish.

Cat. No.	Size In.	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
C-210-½	½	138	$53.90	$55.40	$57.00
C-210-¾	¾	140	55.00	56.60	58.20
C-210-1	1	150	56.70	58.40	60.10
C-210-1¼	1¼	200	77.20	79.50	81.80
C-210-1½	1½	205	82.10	84.40	86.80
C-210-2	2	224	86.20	88.70	91.30
C-210-2½	2½	241	102.60	105.30	108.10
C-210-3	3	270	103.80	106.90	110.00
C-210-3½	3½	335	120.40	124.20	128.10
C-210-4	4	340	125.00	128.90	132.80

H-286 U BOLTS


H-286

'U' Bolts to support, anchor or guide pipe lines. Furnished with one hex nut per leg. Galv-krom finish.

Cat. No.	Size In.	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
H-286-⅜	⅜	7	$ 7.30	$ 7.30	$ 7.40
H-286-½	½	13	9.50	9.60	9.80
H-286-¾	¾	15	11.60	11.70	11.90
H-286-1	1	16	12.90	13.00	13.20
H-286-1¼	1¼	17	14.30	14.50	14.60
H-286-1½	1½	18	15.40	15.60	15.80
H-286-2	2	32	20.50	20.80	21.20
H-286-2½	2½	34	23.90	24.20	24.60
H-286-3	3	38	26.80	27.20	27.60
H-286-3½	3½	40	32.30	32.70	33.20
H-286-4	4	46	37.80	38.30	38.80

E-768 COLUMN MOUNT SUPPORT



For use with 1½"x1½" channel. Provides rigid support between 'H' beam flanges for mounting pipe, conduit, outlet boxes, panel boards. Two required for each installation. Galv-krom finish.

Cat. No.	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
E-768	55	$80.80	$81.40	$82.00

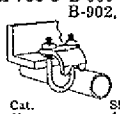
E-760 CHANNEL TO BEAM CLAMP



Secures channel to beam. Fits all I-beam where flange edge does not exceed .8" thickness. Load rating each clamp 1,275 lbs., safety factor of 5. Galv-krom finish. Two required.

Cat. No.	For Channel	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
E-760-1	B-906, B-907	77	$48.10	$48.50	$49.00
E-760-2	B-900, B-905	80	48.10	48.50	49.00
E-760-3	B-900-2A, B-902, B-903	88	48.10	48.50	49.00

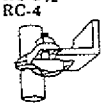
ANGLE CLAMPS



RC Clamp

For mounting pipe or conduit at right angle to the beam.

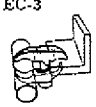
Cat. No.	Size In.	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
RC-⅜	⅜	25	$31.20	$32.20	$32.20
RC-½	½	41	33.00	34.00	35.00
RC-¾	¾	46	34.40	35.40	36.40
RC-1	1	51	38.00	39.10	40.30
RC-1¼	1¼	54	42.00	43.20	44.50
RC-1½	1½	58	47.50	49.00	50.50
RC-2	2	86	69.00	71.10	72.20
RC-2½	2½	109	82.00	84.40	86.90
RC-3	3	118	92.00	94.80	97.60
RC-3½	3½	134	115.00	118.50	122.10
RC-4	4	144	125.00	128.80	137.70



EC Clamp

For mounting pipe or conduit vertically across beam edge.

EC-½	½	68	$63.00	$64.90	$66.80
EC-¾	¾	76	66.00	68.00	70.00
EC-1	1	86	75.00	77.20	79.50
EC-1¼	1¼	98	90.00	92.70	95.50
EC-1½	1½	105	100.00	103.00	106.10
EC-2	2	141	120.00	123.60	127.30
EC-2½	2½	188	155.00	159.70	164.50
EC-3	3	232	180.00	185.40	191.00



PC Clamps

For mounting pipe or conduit parallel to beam.

PC-⅜	⅜	31	$35.40	$36.50	$37.60
PC-½	½	54	42.60	43.90	45.20
PC-¾	¾	57	46.90	48.30	49.70
PC-1	1	64	49.80	51.30	52.80
PC-1¼	1¼	81	62.20	64.10	66.00
PC-1½	1½	92	71.10	73.10	75.30
PC-2	2	116	92.00	94.80	97.60
PC-2½	2½	148	110.00	113.30	116.70
PC-3	3	178	135.00	139.00	143.20
PC-3½	3½	209	155.00	159.60	164.40
PC-4	4	224	170.00	175.10	180.30

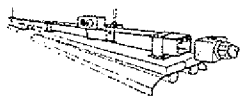
KINDORF CHANNEL LIGHTING SYSTEMS

HANGS AND FEEDS THE FIXTURES

RACEWAY CHANNEL WITH FIXTURE FEED THRU K.O.'S

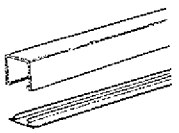


RACEWAY CHANNEL WITH "PLUG-IN" OUTLETS FOR FIXTURES



RACEWAY CHANNELS AND CLOSURE STRIP

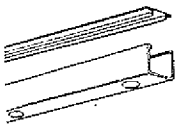
SOLID BASE CHANNELS



Three Depths
10' and 20' Lengths

Cat. No.	Size. In.	Ga.	Per 100 Feet Zone A	Zone B
B-906-10	1½"x¾"	14	$33.20	$34.10
B-906-20	1½"x¾"	14	33.20	34.10
B-900-10	1½"x1½"	12	59.30	61.20
B 900-20	1½"x1½"	12	59.30	61.20
B-900-M-10	1½"x1½"	14	47.90	49.20
B-900-M-20	1½"x1½"	14	47.90	49.20
B-902-10	1½"x3"	12	96.20	99.50
B-902-20	1½"x3"	12	96.20	99.50

KNOCKOUT CHANNELS

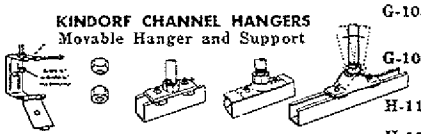


G-969 Closure Strip

½" K.O.'s on 6" Centers
Two Depths
10' and 20' Lengths

Cat. No.	Size. In.	Ga.	Per 100 Foot Zone A	Zone B
G-975-10	1½"x1½"	12	$63.30	$ 65.30
G-975-20	1½"x1½"	12	63.30	65.30
G-975-M-10	1½"x1½"	14	51.80	53.10
G-975-M-20	1½"x1½"	14	51.80	53.10
G-955-10	1½"x3"	12	98.80	101.90
G-955-20	1½"x3"	12	98.80	101.90

KINDORF CHANNEL HANGERS
Movable Hanger and Support



G-1012 G-1013 G-976 Connector G-1032 Swivel Joint G-977 Swing Connector

Cat. No.	Description	Per 100 Zone A	Zone B	Zone C
G-957	Blank End Cap for 3" deep channel	$23.80	$23.90	$24.10
G-959	End Cap two ½" K.O.'s for 3" deep channel	33.70	34.00	34.40
G-967	Blank End Cap for 1½" deep channel	9.90	9.90	10.00
G-968	Blank End Cap for ¾" deep channel	9.20	9.20	9.20
G-969	Closure Strip	23.80	24.30	24.70
G-972-½	½" (Pipe Size) Fixture Feed thru K.O.'s or slot	19.60	16.90	17.00
G-972-¾	¾" (Pipe Size) Fixture Feed thru K.O.'s or slot	16.90	19.70	19.80
G-974-½	½" Long Fixture Support thru K.O. or slot	13.50	13.50	13.60
G-974-¾	¾" Long Fixture Support thru K.O. or slot	13.50	13.60	13.70
G-976	Feeds and Hangs channel — accepts ½" or ¾" conduit	80.10	80.70	81.30
G-977	Swing Connector — feeds channel — accepts ½" or ¾" conduit	240.00	241.50	242.90
G-978	Joiner for B-900 and G-978 channel	98.50	99.80	101.10
G-978-C	Joiner for B-901, G-950, G-965 channel	98.00	99.40	100.80
G-978-D	Joiner for G-955, B-902 channel	99.40	100.90	102.50
G-978-L	Joiner for B-906 channel	91.60	92.60	93.60
G-978-M	Joiner for G-975-M, B-900-M channel	98.50	99.80	101.10
G-979	End Cap ½" or ¾" K.O. for 1½" deep channel	30.10	30.30	30.60
G-1000	Junction Box — Dead End	270.30	271.40	272.60
G-1001	Junction Box — Straight thru	312.70	314.00	315.40
G-1002	Junction Box — 90° — L	312.70	314.00	315.40
G-1003	Junction Box—3-way T	365.70	367.30	368.90
G-1004	Junction Box—4-way X	408.10	409.80	411.50
G-1005	Junction Box—Close L	270.30	271.30	272.40
G-1006	Junction Box—Close T	328.60	330.00	331.50
G-1012	Channel Hanger for 1½" Deep Channel	47.90	48.20	48.60
G-1013-⅜	⅜" Nut for rod attachment to G-1012 hangers	8.40	8.40	8.50
G-1013-½	½" Nut for rod attachment to G-1012 hangers	8.40	8.40	8.50
G-1015	Fixture Hanger for 1½" deep channel	47.70	48.00	48.40
G-1015-D	Fixture Hanger for 3" deep channel	47.70	48.00	48.40
G-1016	Rubber Washer for G-1015 Fixture	6.50	6.50	6.50
G-1020	Channel End Feed for 1½" deep channel — accepts ½" or ¾" conduit	243.80	244.20	244.70
G-1021	Channel End Feed for ½" deep channel — accepts 1" conduit	148.40	148.70	149.10
G-1022	Conduit Hub with ½", ¾" or 1" K.O.	30.70	31.00	31.30
G-1032	Swivel Joint for ½" or ¾" conduit	170.10	170.30	170.60
G-1033	Swivel Cover for Junction boxes	254.40	254.80	255.20
G-1038	Duplex ground receptacle for raceway channel	318.00	318.60	319.20
G-1038-A	Single ground receptacle for raceway channel	286.20	286.70	287.30
H-115-A	Nut and bolt for G-1015 fixture hanger	7.80	7.80	7.90
H-118-C	Lock Washer for G-1015 fixture hanger	1.20	1.20	1.20

6-H SERIES CONDUIT AND PIPE HANGERS



6-H Series without closure bolt

6-HO Series with closure bolt and square nut

Conduit Size, In. Rigid	EMT	Without Closure Bolt Cat. No.	Per 100 Price	With Closure Bolt Cat. No.	Price
⅜—½	½	6HO	$ 5.00	6HO-B	$ 6.00
¾	¾	6H1	5.50	6H1-B	6.70
1	1	6H2	7.30	6H2-B	8.90
.....	1¼	6H2½	7.70	6H2½-B	9.30
1¼	1½	6H3	8.00	6H3-B	9.60
1½	.....	6H4	9.90	6H4-B	11.90
2	2	6H5	12.00	6H5-B	14.00
2½	.....	6H6	13.30	6H6-B	15.30
3	.....	6H7	16.30	6H7-B	18.30
3½	.....	6H8	19.30	6H8-B	21.30

C-149 LAY-IN PIPE HANGERS



Cat. No.	Pipe Size In.	Max. Recom. Load in Lbs.	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
C-149-½	½	400	17	$21.30	$21.50	$21.60
C-149-¾	¾	400	19	26.20	26.40	26.60
C-149-1	1	400	22	33.50	33.70	34.00
C-149-1¼	1¼	400	26	38.90	39.20	39.50
C-149-1½	1½	400	26	45.30	45.60	45.90
C-149-2	2	400	31	51.40	51.70	52.10
C-149-2½	2½	500	66	59.00	59.70	60.50
C-149-3	3	500	75	65.30	66.10	66.90
C-149-3½	3½	500	84	71.40	72.30	73.30
C-149-4	4	800	178	148.50	150.50	152.50
C-149-5	5	800	199	163.80	166.00	168.30
C-149-6	6	1000	225	201.80	204.30	206.90
C-149-8	8	1100	256	238.50	241.30	244.20

STEEL CITY SLOTTED ANGLE

Three Sizes... The Right Strength for Every Job

EXCLUSIVE TIME SAVER FEATURES

- Measuring lines every ¾" and every 3"
- Slot and hole pattern for rigid assembly
- Cuts in one easy, burr-free stroke
- Galvanized after punching — complete rust resistance
- Packaged for "one-man" carry

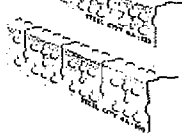
All three sizes available in ten or twelve foot lengths — five lengths to the standard package with 36 ⅜" hex bolts and an equal number of serrated nuts.



RA-160
LIGHT DUTY
1⅝" x 1⅝" x .080" (14 gauge)



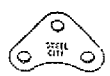
RA-225
HEAVY DUTY
2⅜" x 1⅝" x .080" (14 gauge)



RA-300
EXTRA HEAVY DUTY
3⅛" x 1⅝" x .104" (12 gauge)

ACCESSORIES

Gusset Plate — RA-GP



A three-hole connector for all three sizes of slotted angle. Assures extra-rigid angle assemblies. Standard package 25.

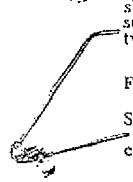
Casters
Rigid and Swivel Type



Rigid Casters, RA-RC, and Swivel Casters, RA-SC, have large 3½" diameter wheels of hard rubber composition. Casters are 4¾" high with mounting plate holes on 3-inch centers to match slotted angle hole pattern. Each caster supports 225 lbs. Packaged in sets of two.

PORTABLE CUTTER

For Slotted Angle



RA-C Portable Cutter cuts all sizes. Single stroke — clean, burr-free cuts. Positioning device assures accurate cutting.

BOLTS AND NUTS

Available separately. Nuts are serrated for self-locking.

RA-BN-⅜ ..... ⅜" — 16 x ⅝" long
RA-BN-¾ ..... ¾" — 16 x ⅝" long

Cat. No.	Wt. Lbs. Per 100 Ft.	Per 100 Feet Zone A	Zone B	Zone C
RA-160	78	$31.20	$31.80	$32.40
RA-225	95	36.00	36.70	37.40
RA-300	149	50.90	51.80	53.00

Cat. No.	Wt. Lbs. Per 100	Per 100 Feet Zone A	Zone B	Zone C
RA-GP	10	$ 9.60	$ 9.90	$10.60

Cat. No.	Wt. Lbs. Per Pair	Per Pair Zone A	Zone B	Zone C
RA-RC	3	$ 8.60	$ 8.80	$ 9.00
RA-SC	5½	9.70	10.00	10.20

Cat. No.	Wt. Lbs. Each	Each Zone A	Zone B	Zone C
RA-C	17	$42.00	$42.60	$43.20

Cat. No.	Wt. Lbs. Per 100 Sets	Per 100 Sets Zone A	Zone B	Zone C
RA-BN-⅝	4½	$4.20	$4.30	$4.50
RA-BN-¾	5	4.50	4.70	4.80

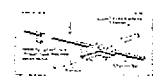
STEEL CITY BANTAM CHANNELS

Practical and economical channel bars simplify the support of overhead fixtures, conduit pipe and boxes in suspended ceiling installations.

Installed slot-down, the open slot accommodates and allows easy positioning of Channel Bar accessory fittings or ¼" hanger rod to support light and medium weight equipment.

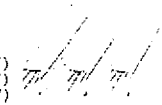
TYPICAL APPLICATIONS





Bantam Ribbed Channels (Extra Strength)

Cat. No.	Description
6029	16 gage (.060")
6028	18 gage (.044")
6027	20 gage (.034")





Bantam Lightweight Channels (Single and Double)

6012..Double Channel Bar
6013.....20 gage (.044")
6014.....18 gage (.034")

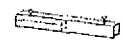
BANTAM CHANNEL ACCESSORIES



6015 Fixture Stud and carrier



6016 Fastener and carrier



6026 Joiner for Ribbed Channel



6025 Channel Fastener secures channel bar to luthers channel and other ceiling carrying channel



6024 Beam Flange Clip secures channel to I-beam, angle iron or bar joists.



6075 T-Bar Clip mounts electrical fixtures to exposed accoustical ceilings. Fits ½" or 1" Bar face. Furnished complete with cupped washer and wing nut.

Channel Bar Cat. No.	Wt. Lbs. Per 100 Ft.	Per 100 Zone A	Zone B	Zone C
6012	33	$21.75	$22.90	$24.00
6013	17	10.90	11.45	12.00
6014	16	10.90	11.45	12.00
6029	45	20.85	21.85	22.90
6028	35	17.10	17.95	18.80
6027	27	14.00	14.65	15.35

Accessories Cat. No.	Wt. Lbs. Per 100	Per 100 Zone A	Zone B	Zone C
6015	7	$14.30	$14.95	$15.65
6016	6	10.90	11.45	12.00
6024	3¾	9.40	9.90	10.40
6025	4/5	7.10	7.50	7.90
6026	41	37.75	39.55	41.50

CONDUIT BRACKETS



Caddy No.	Fastway No.	Beam Size Inches	Per 100
M-2-4	CH-25	1⅛ — ¼	$13.00
M-5-8	CH-50	⅝ — ½	13.00

COMBINATION CONDUIT HANGERS



Caddy No.	Fastway No.	Conduit Size, In.	Flange Size, In.	Per 100
6-M-5-4	M- 38	⅜	⅛ to ¼	$22.75
6-M-5-8	N- 38	⅜	⅝ to ½	22.75
6-M-9-12	.....	⅜	⅞ to ¾	25.25
8-M-2-4	M- 50L	½	⅛ to ¼	21.75
8-M-5-8	N- 50L	½	⅝ to ½	21.75
8-M-9-12	.....	½	⅞ to ¾	26.00
12-M-2-4	M- 75L	¾	⅛ to ¼	22.40
12-M-5-8	N- 75L	¾	⅝ to ½	22.40
12-M-9-12	.....	¾	⅞ to ¾	26.00
16-M-2-4	M-100L	1	⅛ to ¼	23.50
16-M-5-8	N-100L	1	⅝ to ½	23.50
16-M-9-12	.....	1	⅞ to ¾	27.25
20-M-2-4	M-125	1¼	⅛ to ¼	27.00
20-M-5-8	N-125	1¼	⅝ to ½	27.00
20-M-9-12	.....	1¼	⅞ to ¾	29.00
24-M-2-4	M-150	1½	⅛ to ¼	28.00
24-M-5-8	N-150	1½	⅝ to ½	28.00
24-M-9-12	.....	1½	⅞ to ¾	30.00
32-M-2-4	M-200	2	⅛ to ¼	29.00
32-M-5-8	N-200	2	⅝ to ½	29.00
32-M-9-12	.....	2	⅞ to ¾	31.00

KON CLIPS



Caddy No.	Fastway No.	Description	Per 100
K- 8	FK- 8	EMT to ½" and smaller*	$ 6.75
K-12	FK-12	EMT to ¾" and smaller*	7.40
K-16	FK-16	EMT to 1" and smaller*	8.10
K-20	FK-20	EMT to 1¼" and smaller*	10.40

*Rods or flanges.

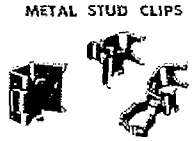
HEAVY DUTY FLANGE CLIPS



Caddy No.	Fastway No.	Flange Size, In.	Per 100
4-H-2-4	FB-25	⅛ — ¼	$10.00
4-H-5-8	FB-50	⅜ — ½	10.00
4-H-9-12	FB-75	⅝ — ¾	12.00
2-H-4-*	FH-125	⅞ — 2½	6.50

*For bulb tees

METAL STUD CLIPS



Caddy No.	Fastway No.	Description	Per 100
MSC	FMSC	Elec. box to Metal Stud	$15.00
MSI	FMSI	¼"-20 Thread impression to stud	13.00
MSB-S	FMSB-S	With screw adj. ¼" thru ¾"	31.50
MSB-250	FMSB-¼	Riveted for ¼"*	22.00
MSB-375	FMSB-⅜	Riveted for ⅜"*	22.00
MSB-500	FMSB-½	Riveted for ½"*	22.00
MSB-625	FMSB-⅝	Riveted for ⅝"*	22.00
MSB-750	FMSB-¾	Riveted for ¾"*	22.00
8-MSB	F8-MSB	½" conduit to stud	21.25
12-MSB	F12-MSB	¾" conduit to stud	21.25
16-MSB	F16-MSB	1" conduit to stud	23.50

*To Dry Wall

FASTENING DEVICES

TWIST CLIPS









For mounting electrical fixtures to exposed acoustical ceilings.

Caddy No.	Fastway No.	Stud Lgth. In.	Per 100
4-G-16	FTX- ⅝	⅝	$15.50
4-G-16-1.5	FTX-1½	1½	18.50
4-G-16-2	FTX-2	2	23.00
4-G-16-3	FTX-3	3	23.00

No. 4WN Combination Washer Wing Nut (¼" thread impression by 1¼" diameter).

CONDUIT CLIPS



Caddy No.	Fastway No.	Conduit Size, In.	Mtg. Hole, In.	Per 100
6-M	LCC- 38	⅜	¼*	$ 5.25
8-M	LCC- 50	½	¼*	5.75
12-M	LCC- 75	¾	¼*	6.40
16-M	LCC-100	1	¼*	7.50
20-M	LCC-125	1¼	¼*	10.00
24-M	LCC-150	1½	¼*	11.00
32-M	LCC-200	2	¼*	12.00
8-M-41	LCC- 50T	½	¼-20†	5.75
12-M-41	LCC- 75T	¾	¼-20†	6.40
16-M-41	LCC-100T	1	¼-20†	7.50
20-M-41	LCC-125T	1¼	¼-20†	10.00
24-M-41	LCC-150T	1½	¼-20†	11.00
32-M-41	LCC-200T	2	¼-20†	12.00

*Plain †Thread Impression.

ACOUSTICAL TEE BAR CLIPS



Caddy No.	Fastway No.	Description	Per 100
AT-A-41	FA-TM	Top Mount to bar ¼"-20	$ 7.50
AT-S-41	FA-SM	Side Mount to bar ¼"-20	7.50
6-M-AT-A	FA-TM-¾"	conduit to Top Mount	17.75
8-M-AT-A	FA-TM-½"	conduit to Top Mount	16.75
12-M-AT-A	FA-TM-¾"	conduit to Top Mount	17.40
16-M-AT-A	FA-TM-1'	conduit to Top Mount	18.50
6-M-AT-S	FA-SM-¾"	conduit to Side Mount	17.75
8-M-AT-S	FA-SM-½"	conduit to Side Mount	16.75
12-M-AT-S	FA-SM-¾"	conduit to Side Mount	17.40
16-M-AT-S	FA-SM-1'	conduit to Side Mount	18.50

CROUSE-HINDS CONDUIT OUTLET BODIES
(FOR NON-HAZARDOUS AREAS)

QUANTITY DISCOUNTS

Less than $300.00 0
$300 and over 20%

All types may be assorted to obtain quantity discounts.

FORM 7 AND MARK 9 CONDULET OUTLET BODIES

Application: Installed in conduit systems to act as pull outlets for conductors being installed.

Standard Materials: Form 7—*Feraloy*; Mark 9—copper-free aluminum, 1/2" to 2" diecast, 2-1/2" to 4" sand cast.

Standard Finishes: Form 7—cadmium zinc electroplate covered with aluminum cellulose lacquer; Mark 9—aluminum cellulose lacquer.

	—Threaded for Rigid Conduit— (Thick Wall)— —Form 7—		—Mark 9—		Threadless for EMT Thin Wall	
Size, In.	Cat. No.	Each	Cat. No.	Each	Cat. No.	Each
Type LB						
1/2	LB17	$1.00	LB19	$ .90	LB19-MT	$.90
3/4	LB27	1.20	LB29	1.10	LB29-MT	1.10
1	LB37	1.80	LB39	1.65	LB39-MT	1.65
1 1/4	LB47	2.85	LB49	2.50	LB49-MT	2.50
1 1/2	LB57	3.70	LB59	3.25	LB59-MT	3.25
2	LB67	6.10	LB69	5.40	LB69-MT	5.40
2 1/2	LB777	12.75	LB789	11.85	.....	....
3	LB87	17.00	LB889	15.70	.....	....
3 1/2	LB97	27.90	LB989	25.80	.....	....
4	LB107	31.50	LB1089	29.20	.....	....
Type C						
1/2	C17	1.00	C19	.90	C19-MT	.90
3/4	C27	1.20	C29	1.10	C29-MT	1.10
1	C37	1.80	C39	1.65	.....	....
1 1/4	C47	2.85	C49	2.50	.....	....
1 1/2	C57	3.70	C59	3.25	.....	....
2	C67	6.10	C69	5.40	.....	....
2 1/2	C77	12.75	C789	10.15	.....	....
3	C87	17.00	C889	13.50	.....	....
3 1/2	...	.....	C989	22.25	.....	....
4	...	.....	C1089	25.20	.....	....
Type LR						
1/2	LR17	1.00	LR19	.90	LR19-MT	.90
3/4	LR27	1.20	LR29	1.10	LR29-MT	1.10
1	LR37	1.80	LR39	1.65	.....	....
1 1/4	LR47	2.85	LR49	2.50	.....	....
1 1/2	LR57	3.70	LR59	3.25	.....	....
2	LR67	6.10	LR69	5.40	.....	....
2 1/2	LR777	12.75	LR789	11.85	.....	....
3	LR87	17.00	LR889	15.70	.....	....
3 1/2	LR97	27.90	LR989	25.80	.....	....
4	LR107	31.50	LR1089	29.20	.....	....
†Type L						
1/2	L17	1.15				
3/4	L27	1.40				
1	L37	1.85				
1 1/4	L47	3.90				
1 1/2	L57	5.35				
2	L67	7.70				
Type LL						
1/2	LL17	1.00	LL19	.90	LL19-MT	.90
3/4	LL27	1.20	LL29	1.10	LL29-MT	1.10
1	LL37	1.80	LL39	1.65	.....	....
1 1/4	LL47	2.85	LL49	2.50	.....	....
1 1/2	LL57	3.70	LL59	3.25	.....	....
2	LL67	6.10	LL69	5.40	.....	....
2 1/2	LL777	12.75	LL789	11.85	.....	....
3	LL87	17.00	LL889	15.70	.....	....
3 1/2	LL97	27.90	LL989	25.80	.....	....
4	LL107	31.50	LL1089	29.20	.....	....

†Double faced — may be used as LL or LR. Has 2 openings, one of which is furnished with a blank sheet steel cover.

FORM 7 AND MARK 9 CONDULET OUTLET BODIES

Type T

A&C Size, In.	B Size, In.	—Threaded for Rigid Conduit— (Thick Wall)— —Form 7— Cat. No.	Each	—Mark 9— Cat. No.	Each	Threadless for EMT (Thin Wall)— Cat. No.	Each
1/2	1/2	T27	$1.25	T19	$1.10	T19-MT	$1.10
3/4	1/2	T217	1.60	...	.....	.....	....
3/4	3/4	T27	1.50	T29	1.40	T29-MT	1.40
1	1/2	T317	2.35	...	.....	.....	....
1	3/4	T327	2.35	...	.....	.....	....
1	1	T37	2.25	T39	1.95	.....	....
1 1/4	1	T47	3.30	T49	3.05	.....	....
1 1/2	1	T57	4.40	T59	4.10	.....	....
2	2	T67	6.80	T69	6.40	.....	....
2 1/2	2	T77	13.35	T789	11.90	.....	....
3	3	T87	19.40	T889	17.30	.....	....
3 1/2	3	T97	30.30	T989	31.35	.....	....
4	4	T107	33.95	T1089	34.60	.....	....

Type TB

Size, In.	—Threaded for Rigid Conduit— (Thick Wall)— —Form 7— Cat. No.	Each	—*Mark 9— Cat. No.	Each	Threadless for EMT (Thin Wall)— Cat. No.	Each
1/2	TB17	$1.35	TB19	$1.55	.....	.....
3/4	TB27	1.65	TB29	1.70	.....	.....
1	TB37	2.35	TB39	2.30	.....	.....
1 1/4	TB47	3.55	TB49	3.25	.....	.....
1 1/2	TB57	4.65	.....	.....	.....	.....
2	TB67	7.30	.....	.....	.....	.....

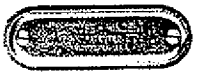
Type X

Size, In.	—Threaded for Rigid Conduit— (Thick Wall)— —Form 7— Cat. No.	Each	—Mark 9— Cat. No.	Each	Threadless for EMT (Thin Wall)— Cat. No.	Each
1/2	X17	$1.65	X19	$1.55	X19-MT	$1.55
3/4	X27	1.95	X29	1.85	X29-MT	1.85
1	X37	2.70	X39	2.55	X39-MT	2.55
1 1/4	X47	3.80	....	.....	.....	.....
1 1/2	X57	4.90	....	.....	.....	....
2	X67	8.50	....	.....	.....	.....

*Cover or wiring device size same as hub size A and C.

‡Sand cast aluminum.

BLANK COVERS



Sheet Steel



Feraloy

Size	Sheet Steel Cat. No.	Each	Cast Feraloy® Cat. No.	Each	Composition Cat. No.	Each
½	170	$.30	170f	$.45	1770	$.40
¾	270	.35	270f	.55	2770	.55
1	370	.50	370f	.90	3770	.80
1¼	470	.60	470f	1.20	4770	1.25
1½	570	.60	570f	1.20	5770	1.25
2	670	1.05	670f	1.75	6770	1.55
2½ or 3	870	1.65	870f	2.05	8770	3.85
3½ or 4	970	1.95	970f	3.10	9770	6.10

BLANK COVERS FOR MARK 9 SERIES
Sheet Aluminum

Size	Cat. No.	Each	Size	Cat. No.	Each
½	190	$.25	1½	590	$ .55
¾	290	.35	2	690	1.00
1	390	.45	2½—3	889	1.65
1¼	490	.55	3½—4	989	1.95

GASKETS
Form 7 Solid



Size In.	Catalog Numbers Form 7 Neoprene	Vellum	Each
½	Gask 571	Gask 771	$.30
¾	Gask 572	Gask 772	.30
1	Gask 573	Gask 773	.40
1¼	Gask 574	Gask 774	.50
1½	Gask 575	Gask 775	.50
2	Gask 576	Gask 776	.60
2½ or 3	Gask 578	Gask 778	1.00
3½ or 4	Gask 579	Gask 779	1.25

NEOPRENE GASKETS FOR MARK 9 SERIES

Size	Cat. No.	Each	Size	Cat. No.	Each
½	Gask1941	$.35	1¼	Gask1944	$.55
¾	Gask1942	.35	1½	Gask1945	.55
1	Gask1943	.45	2	Gask1946	.65

TYPE LBD ELBOWS

Application: Installed at 90° bends in rigid conduit to act as pull outlets for conductors that are stiff due to large size or type of insulation.

Standard Materials: Feraloy.

Standard Finishes: Cadium Zinc electroplate covered with aluminum cellulose lacquer.



1/2-1"



1 1/4-6"

Size In.	Cat. No.	Each
½	LBD1100	$ 2.05
¾	LBD2200	2.75
1	LBD3300	3.10
1¼	LBD4400	6.30
1½	LBD5500	11.95
2	LBD6600	12.50
2½	LBD7700	36.90
3	LBD8800	36.90
3½	LBD9900	68.05
4	LBD10900	68.05
5	LBD012	126.00
6	LBD014	250.00

MOGUL SERIES



Type BC



Type BLB



Type BT



Type BUB

Application: Mogul bodies are installed in conduit systems to act as pull outlets for conductors that are stiff, due to large size or type of insulation.

Standard materials and finishes are the same as LBD.

Size, In.	Cat. No. BC-	Each	Cat. No.* BLB-	Each	Cat. No. BT-	Each	Cat. No. BUB-	Each
1	3	$4.85	3	$4.85	3	$5.70	3	$4.85
1 1/4	4	5.35	4	5.35	4	6.30	4	5.35
1 1/2	5	10.35	5	10.80	5	11.65	5	10.35
2	6	12.50	6	12.50	6	14.00	6	12.50
2 1/2	7	18.95	7	19.30	7	19.55	7	18.95
3	8	25.45	8	27.25	8	27.95	8	25.45
3 1/2	9	40.85	9	43.10	9	42.00	9	40.85
4	10	49.90	10	52.20	10	52.20	10	49.90

*For 5" size use LBD012. For 6" size use LBD014.

BLANK COVERS
Feraloy

Size, In.	Without Gasket Cat. No.	Each	Size, In.	Without Gasket Cat. No.	Each
1 or 1 1/4	BG47	$2.75	1 or 1 1/4	BG48	$3.80
1 1/2 or 2	BG67	4.45	1 1/2 or 2	BG68	6.05
2 1/2 or 3	BG87	9.45	2 1/2 or 3	BG88	15.70
3 1/2 or 4	BG97	16.90	3 1/2 or 4	BG98	21.95

GASKETS
Cork

For use between mogul conduit fittings and covers (except covers BG48, BG68, BG88 and BG98, which have round gaskets).

Size, In.	Cat. No.	Each
1 or 1 1/4	GASK271	$.70
1 1/2 or 2	GASK272	.95
2 1/2 or 3	GASK273	1.95
3 1/2 or 4	GASK274	2.55

CROUSE-HINDS CAST OUTLET BOXES

(FOR NON-HAZARDOUS AREAS)

VXF, GRF AND CAST OUTLET BOXES

VXF, GRF and cast outlet boxes are installed in threaded rigid conduit systems to:

1. Act as junction boxes.
2. Act as pull outlets.
3. Accept round base wiring devices and covers intended for use on 4" outlet boxes (GRF boxes only).
4. Act as ceiling or wall mounting for Vapor-gard™ lighting fixtures (VXF boxes).
5. Mount enclosed and gasketed lighting fixtures: Series ARB, ARB51, VGR and Series ARB fixture hangers (GRF boxes); ARB, ARB51, VGR industrial lighting fixtures (GRF boxes).

Standard Materials: VXF—copper-free aluminum; GRF—Feraloy.

Standard Finishes: VXF—blue-gray epoxy enamel; GRF—cadmium zinc electroplate and aluminum cellulose lacquer.

VXF Tapped



Hub Size, In.	Surface with Lugs —4 Hubs, 3 Plugs— Cat. No.	Each	Surface with Lugs —5 Hubs, 4 Plugs— Cat. No.	Each
1/2	VXF10	$1.95	VXFT10	$2.20
3/4	VXF20	2.20	VXFT20	2.40

GRF Blank



Inside Depth, In.	—Flush without Lugs— Cat. No.	Each
1 3/8	GRF1	$2.20
2 1/16	GRF2	2.75
3 1/8	GRF3	3.20

Inside Depth, In.	—Surface with Lugs— Cat. No.	Each
1 3/8	GRF19	$2.45
1 15/16	GRF29	3.10
3 1/8	GRF39	3.40

GRF Hub Covers

Description	Size In.	Cat. No.	Each
Surface	1/2	GRF11*	$1.55
Surface	3/4	GRF12*	1.85
Flush	1/2	GRF51	1.75
Flush	3/4	GRF52	1.95

GRFX Tapped

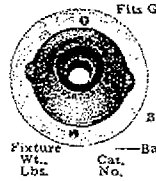
—Flush without Lugs— Inside Depth, In.	Tap Size, In.	Cat. No.	Each	—Surface with Lugs— Inside Depth, In.	Tap Size, In.	Cat. No.	Each
		GRFX—				GRFX—	
1 3/8	1/2	114	$2.90	1 3/8	1/2	119	$3.10
1 3/8	3/4	214	2.90	1 3/8	3/4	219*	3.10
2 1/16	1/2	124	3.40	1 15/16	1/2	129	3.80
2 1/16	3/4	224	3.40	1 15/16	3/4	229*	3.80
2 1/16	1	324	3.90	1 15/16	1	329*	4.25
3 1/8	1/2	134	3.90	3 1/8	1/2	139	4.10
3 1/8	3/4	234	3.90	3 1/8	3/4	239	4.10
3 1/8	1	334	4.35	3 1/8	1	339	4.55

GRF Gaskets and Blank Covers

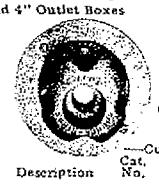
Description	—Neoprene Gaskets— Cat. No.	Each	—Blank Covers— Cat. No.	Each
Surface	GASK643	$.30	GRF10*	$.85
Flush	GASK690	.45	GRF50	1.25

ARE Flexible Fixture Hangers

Fits GRF and 4" Outlet Boxes



Ball



Cushion

Fixture Wt., Lbs.	—Ball— Cat. No.	Each	—Cushion— Description	Cat. No.	Each
4 to 8	ARB82	$4.75	Surface	ARB62	$3.60
8 to 16	ARB102	4.75	Flush	ARB67	3.60
16 to 30	ARB122	4.75	.....	.....	.....



Fits GRF Only

Fixture Stem Size, In.	—Ball— Cat. No.	Each
1/2	ARB6	$2.30
3/4	ARB2	2.30
...	.....	.....

—Cushion-Surface—

Fixture Wt., Lbs.	Cat. No.	Each
4 to 8	ARB8	$3.50
8 to 16	ARB10	3.50
16 to 30	ARB12	3.50

Vaportight with —Neoprene Diaphragm—

Fixture Wt., Lbs.	Cat. No.	Each
4 to 8	ARB821	$5.95
8 to 16	ARB1021	5.95
16 to 30	ARB1221	5.95

*Available in copper-free aluminum at no extra cost. To order, add suffix SA to Cat. No.

CROUSE-HINDS CAST DEVICE BOXES

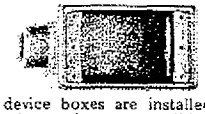
(FOR NON-HAZARDOUS AREAS)

QUANTITY DISCOUNTS

Less than $300.00 0
$300 and over 20%

All types may be assorted to obtain quantity discounts.

FS AND FD SINGLE GANG BOXES



Dead End

Cast device boxes are installed to accommodate wiring devices and to act as pull boxes for conductors in a conduit system.

Available as shallow (FS) or deep (FD) configuration. Use FD if device to be enclosed exceeds 1 5/8" in depth.

Standard Materials: Feraloy and aluminum.

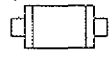
Standard Finishes: Feraloy—cadmium zinc electroplate and aluminum cellulose lacquer. Aluminum—natural.

Threaded for Rigid Conduit (Thick Wall)

Type FS or FD

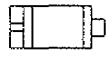


Type FSC or FDC

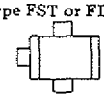


Cat. No.	Each	Size, In.	Cat. No.	Each	Size, In.
FS1*	$1.70	1/2	FSC1*	$1.90	1/2
FS2*	1.80	3/4	FSC2*	2.05	3/4
FS3*	1.95	1	FSC3*	2.55	1
FD1*	2.00	1/2	FDC1*	2.25	1/2
FD2*	2.15	3/4	FDC2*	2.45	3/4
FD3*	2.30	1	FDC3*	2.90	1

Type FSCC or FDCC

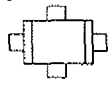


Type FST or FDT

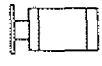


Cat. No.	Each	Size, In.	Cat. No.	Each	Size, In.
FSCC1	$2.30	1/2	FST1*	$2.30	1/2
FSCC2*	3.05	3/4	FST2*	2.90	3/4
FDCC1	2.65	1/2	.....	.....	1
FDCC2	3.35	3/4	FDT1*	2.65	1/2
			FDT2*	3.20	3/4
			FDT3*	3.70	1

Type FSX or FDX



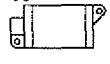
Type FSY Floor Flange Type



Cat. No.	Each	Size, In.	Cat. No.	Each	Hub Size
FSX1	$2.75	1/2	FSY311†	$3.15	1
FSX2	3.40	3/4	FSY312‡	3.75	1
FDX1	3.10	1/2			
FDX2	3.80	3/4	†Single Face.		
FDX3	4.25	1	‡Double Face.		

Threaded for Rigid Conduit, with Mounting Lugs

Type FS and FD



Type FSC and FDC



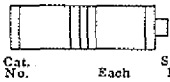
Cat. No.	Each	Size, In.	Cat. No.	Each	Size, In.
FS1019	$1.85	1/2	FSC1019	$2.05	1/2
FS2019	2.05	3/4	FSC2019*	2.40	3/4
FD1019	2.55	1/2	FDC1019	2.75	1/2
FD2019*	2.70	3/4	FDC2019	3.05	3/4

FS AND FD MULTI-GANG

Two Gang Tandem

Threaded for Rigid Conduit (Thick Wall)

Type FS



Type FSC



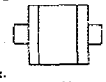
Cat. No.	Each	Size, In.	Cat. No.	Each	Size, In.
FS17*	$3.80	1/2	FSC17*	$4.00	1/2
FS27*	4.00	3/4	FSC27*	4.25	3/4

Two Gang Threaded for Rigid Conduit (Thick Wall)

Type FS or FD



Type FSC or FDC

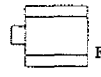


Cat. No.	Each	Size	Cat. No.	Size	Each
FS12*	$3.05	½	FSC12*	½	$3.25
FS22*	3.15	¾	FSC222*	¾	3.40
FS32*	3.30	1	FSC32*	1	3.90
FD12*	3.55	½	FDC12*	½	3.75
FD22*	3.65	¾	FDC222*	¾	3.90
FD32*	3.80	1	FDC32*	1	4.35

*Available in copper-free aluminum at no extra cost. To order, add suffix SA to Cat. No.

FS MULTI-GANG

Type FSE



Cat. No.	Each	Size, In.
FSE22	3.20	3/4

Two Gang Threaded for Rigid Conduit, with Mounting Lugs

Type FS



Type FSC



Cat. No.	Each	Size, In.	Cat. No.	Each	Size, In.
FS2029	$3.75	3/4	FSC2029	$4.00	3/4
.....	.....	1	.....	.....	...

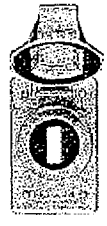
COVERS FOR FS AND FD SERIES—SINGLE GANG

Blank Covers



Cat. No.	Each	Description
Sheet Aluminum		
DS100	$.30	Surface
Sheet Steel		
DSS100	.30	Flush
Cast Feraloy—With Gasket		
DS100G	.60	Surface
DS100G	.60	Flush

For Round Flush Receptacles



Universal spring door with gaskets. Also takes tumbler flush switches. Opening diameter 1 5/8" or 1 3/8". Die cast aluminum.

Cat. No.	Each	Description
DS1020G	$2.95	Surface
DS1020G	2.95	Flush

For Hubbell and Pass & Seymour 30 Amp. and 50 Amp. Receptacles

Die cast aluminum. Spring door with gaskets.

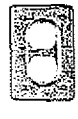
Cat. No.	Each	Description
DS1030G	$3.00	Surface
DS1030G	3.00	Flush

For Duplex Convenience Receptacles



Cat. No.	Each	Description	Material
DS23*	$.40	Surface	Sheet steel
DSS23	.40	Flush	Sheet steel

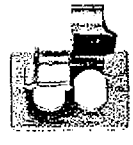
For Standard and 2-Wire, 3-Pole Grounding Type Duplex Convenience Receptacles



Cat. No.	Each	Description	Material
DS23G	$.90	Surface	Feraloy
DS23G	.90	Flush	Feraloy

For FS, FD and Stamped Sheet Metal Switch Boxes

Die Cast Aluminum

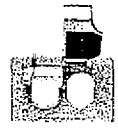


Cat. No.	Each	Description
DS701G	$2.75	Surface
DS701G	2.75	Flush

For Duplex Convenience Receptacles

Die Cast Aluminum

Spring door with gaskets.



Cat. No.	Each	Description
DS70G	$2.65	Surface
DS70G	2.65	Flush

*Available in copper-free aluminum at no extra cost — add suffix SA.

CROUSE-HINDS CAST DEVICE BOXES

(FOR NON-HAZARDOUS AREAS)

QUANTITY DISCOUNTS

Less than $300.00 0
$300 and over 20%

All types may be assorted to obtain quantity discounts.

SWITCH AND MOTOR CONTROL PUSH BUTTON COVERS—RAINTIGHT LESS SWITCHES

For Standard Tumbler Switches



Die Cast Aluminum

With locking arrangement.

Cat. No.	Each	Description
DS185	$4.05	For standard ON-OFF operation.



For External Operation of Tumbler Switches

Die Cast Aluminum

Cat. No.	Each	Description
DS128	$4.05	For standard operation. Marked ON-OFF handle.



With Mechanism for Operating Standard Flush Push Button Tumbler Switches

Die Cast Aluminum

Cat. No.	Each	Description
DS267	$4.00	Marked ON-OFF handle.

WITH SWITCHES

With Mechanism for Operating Motor Control Push Button Switches

Die Cast Aluminum

Furnished with gasket START-STOP handle markings (1 normally open, 1 normally closed).



Cat. No.	Each	Description
DS266	$4.55	Surface
DS266	4.55	Flush

With Buttons for Operating Motor Control Push Button Switches

Feraloy



Cat. No.	Each	Description	Switch
DS171F	$4.55	1 Button (Norm. Open)	Start
DS171G	4.55	1 Button (Norm. Closed)	Stop
DS171	4.55	2 Buttons (1 Norm. Open, 1 Norm. Closed)	Start, Stop

With Buttons for Operating Standard Flush Push Button Switches

Feraloy

Cat. No.	Each	Description	Switch
DS171J	$4.55	2 Buttons (3 & 4 Way)	None

For Pilot Light Receptacles



No. DS24



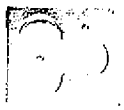
No. DS24G

Sheet Steel — Surface — Cat. No.	Each	Feraloy Surface — or Flush — Cat. No.	Each	Jewel Color
DS24	$2.45	DS24G	$3.00	Red
DS41	2.45	DS41G	3.00	Green
DS44	2.45	DS44G	3.00	Amber

COVERS—MULTI GANG

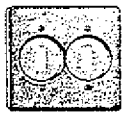
For General Electric, Arrow H&H, Bryant and Hubbell Flush Tumbler Switches with Square Handles

Sheet Steel



Cat. No.	Each	Description
S32232	$1.15	For standard duplex flush receptacles. Surface

For General Electric, Arrow H&H, Bryant and Hubbell Flush Tumbler Switches with Square Handles



No. S322



No. S322G

Cat. No.	Each	Description	Material
S322*	$ .70	Surface	Sheet Steel
S322G	1.55	Surface or Flush	Feraloy

Blank (Supplied with Gasket)



Cat. No.	Each	Description	Material
S1002	$ .50	Surface	Sheet Steel
S1002G*	1.15	Surface or Flush	Feraloy

With Operating Mechanism and Gasket for Operation of Tumbler Switches

Feraloy

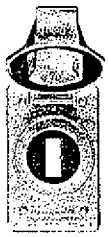


Cat. No.	Each	Description
DS1282*	$ 7.00	2-Gang, Surface or Flush
DS1283	10.25	3-Gang, Surface or Flush

*Available in copper-free aluminum at no extra cost. To order, add suffix SA to Cat. No.



DS149 and DS150 Plain



DS1025G Spring Door



DS136 Threaded Cap

COVERS AND PLUG RECEPTACLES DS COVERS, PLUG RECEPTACLES AND HOUSINGS—SINGLE GANG

Standard Materials: DS149 — sheet steel; DS1025G — copper-free aluminum; DS136 — Feraloy.

Standard Finishes: Sheet steel — cadmium zinc electroplate; copper-free aluminum — natural; Feraloy — cadmium zinc electroplate and aluminum cellulose lacquer.

Covers without Receptacles

— Plain — Cat. No.	Each	Housing Hole Dia., In.	— Spring Door — Cat. No.	Each	Housing Hole Dia., In.	— Threaded Cap — Cat. No.	Each	Housing Hole Dia., In.
DS149	$1.20	1 1/2	DS1025G	$2.95	1 3/8	DS136*	$3.50	1 1/2
DS150	1.20	1 5/8	DS1025G	2.95	1 5/8	.....	.....	.....

Covers with Receptacles

Diagram	NEMA Configuration	Style	Poles	Plain Cat. No.	Each	Spring Door Cat. No.	Each	Threaded Cap Cat. No.	Each
		15 Amperes, 125 Volts; 10 Amperes, 250 Volts							
		Double T	2-wire, 2-pole••	DS325	$4.00	DS332	$5.15	DS339	$5.70
	2-20R†	Polarized	2-wire, 2-pole	DS326	4.55	DS333	6.30	DS340	6.80
		Polarized	3-wire, 2-pole••	DS327	5.15	DS334	6.80	DS341	7.95
		Polarized	3-wire, 3-pole	DS328	5.70	DS335	7.40	DS342	7.95
	L1-15R‡	Twistlock	2-wire, 2-pole	DS329	4.00	DS336	6.30	DS343	6.40
		Twistlock	3-wire, 2-pole••	DS330	5.15	DS337	7.40	DS344	7.95
		Twistlock	3-wire, 3-pole	DS331	6.30	DS338	7.95	DS345	9.10
	5-15R‡	Polarized (Parallel slots)	3-wire, 2-pole••	DS392	4.00	DS393	5.15	DS394	6.00
		20 Amperes, 250 Volts AC or DC							
	2-20R	Polarized	2-wire, 2-pole	DS346	5.70	DS354	6.80	DS362	7.40
		Polarized	3-wire, 2-pole••	DS347	6.80	DS355	7.95	DS135	9.25
	10-20R	Polarized	3-wire, 3-pole+	DS348	6.80	DS356	7.95	DS139	9.40
		Polarized	4-wire, 3-pole••	DS349	6.80	DS357	9.10	.....	.....
	18-20R	Polarized	4-wire, 4-pole	DS350	6.80	DS358	8.55	.....	.....
		Twistlock	2-wire, 2-pole	DS351	4.55	DS359	6.30	DS365	6.80
		20 Amperes, 250 Volts; 10 Amperes, 600 Volt AC							
		Twistlock	3-wire, 2-pole••	DS352	6.80	DS360	7.95	.....	.....
		Twistlock	3-wire, 3-pole	DS353	6.80	DS361	7.95	.....	.....
		Twistlock	4-wire, 3-pole••	DS366	7.95	DS368	9.70	.....	.....
		Twistlock	4-wire, 4-pole	DS367	7.95	DS369	9.70	.....	.....

* Available in copper-free aluminum at no extra cost. To order, add suffix SA to Cat. No.
•• Extra pole grounded.
† NEMA rated for 10 amp, 250v only.
‡ NEMA rated for 15 amp, 125v only.
+ NEMA rated 20A, 125/250v only.

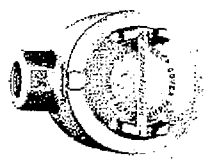
CROUSE-HINDS CONDUIT OUTLET BODIES AND BOXES
(FOR HAZARDOUS AREAS)

QUANTITY DISCOUNTS

ess than $300.00 0
300 and over 20%

All types may be assorted to obtain quantity iscounts.

GUA SERIES CONDUIT OUTLET BODIES



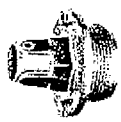
Application: Installed within hazardous area con- t systems to act as pull and splice boxes, inter- nect lengths of conduit, act as mounting outlets fixtures (with appropriate covers), and to act as ing fittings (with appropriate covers).
Standard Materials: Bodies — Feraloy; covers — per-free aluminum.
Standard Finishes: Feraloy — cadmium zinc troplate and aluminum cellulose lacquer; minum — natural.

Cat. No.	Each	Hub Size In.	Cover Opening Dia. In.	Cat. No.	Each	Hub Size. In.	Cover Opening Dia. In.
Type GUA							
A14*	$3.55	1/2	2	GUA36*	$ 4.55	1	3
A24*	3.70	3/4	2	GUA47	7.95	1 1/4	3 5/8
A16*	4.35	1/2	3	GUA59*	17.05	1 1/2	5
A26*	4.45	3/4	3	.....	.....	.....	.....
Type GUAB							
AB14*	3.80	1/2	2	GUAB36*	5.05	1	3
AB24*	4.00	3/4	2	GUAB47*	8.55	1 1/4	3 5/8
AB16*	4.55	1/2	3	GUAB59*	17.05	1 1/2	5
AB26*	4.85	3/4	3	GUAB69*	18.15	2	5
Type GUAC							
AC14*	3.80	1/2	2	GUAC47*	8.55	1 1/4	3 5/8
AC24*	4.00	3/4	2	GUAC49*	17.05	1 1/4	5
AC16*	4.55	1/2	3	GUAC59*	17.05	1 1/2	5
AC26*	4.85	3/4	3	GUAC69*	18.15	2	5
AC36*	5.05	1	3	.....	.....	.....	.....
Type GUAL							
AL14*	3.80	1/2	2	GUAL47*	8.55	1 1/4	3 5/8
AL24*	4.00	3/4	2	GUAL49*	17.05	1 1/4	5
AL16*	4.55	1/2	3	GUAL59*	17.05	1 1/2	5
AL26*	4.85	3/4	3	GUAL69*	17.50	2	5
AL36*	5.05	1	3	.....	.....	.....	.....
Type GUAN							
AN14*	3.80	1/2	2	GUAN36*	5.05	1	3
AN24*	4.00	3/4	2	GUAN47*	8.55	1 1/4	3 5/8
AN16*	4.85	1/2	3	GUAN59	17.05	1 1/2	5
AN26*	4.85	3/4	3	GUAN69	18.15	2	5
Type GUAT							
AT14*	4.00	1/2	2	GUAT37*	8.55	1	3 5/8
AT24*	4.35	3/4	2	GUAT47*	9.10	1 1/4	3 5/8
AT16*	4.85	1/2	3	GUAT49*	18.15	1 1/4	5
AT26*	5.15	3/4	3	GUAT59*	18.65	1 1/2	5
AT36*	5.35	1	3	GUAT69	19.30	2	5
Type GUAX							
AX14*	4.25	1/2	2	GUAX37*	9.10	1	3 5/8
AX24*	4.70	3/4	2	GUAX47*	9.70	1 1/4	3 5/8
AX16*	5.05	1/2	3	GUAX49*	18.15	1 1/4	5
AX26*	5.45	3/4	3	GUAX59*	19.30	1 1/2	5
AX36*	5.95	1	3	GUAX69*	20.45	2	5

*Available in copper-free aluminum at no extra st. To order, add suffix SA to Cat. No.

COVERS—FOR GUA CONDUIT OUTLET BODIES

Nipple Covers



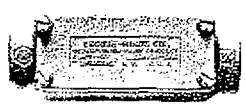
Cat. No.	Each	Cover Opening Dia., In.	Fixt. Stem Size, In.
GUA0471	$5.60	2	1/2
GUA0671	3.80	3	1/2
GUA0672	4.25	3	3/4

Fixture Covers — Union Hub Type

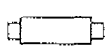


Cat. No.	Each	Cover Opening Dia., In.	Fixt. Stem Size, In.
GUA0686	$6.60	3	1/2
GUA0687	6.60	3	3/4

OE SERIES CONDUIT OUTLET BODIES



Application: Installed in conduit systems within hazardous areas to act as pulling and splice fittings and to provide access for maintenance and future system changes.
Standard Material: Feraloy.
Standard Finishes: Cadmium zinc electroplate and aluminum cellulose lacquer.



Cat. No.	Each	Hub Size, In.	Cat. No.	Each	Hub Size, In.
OEC1	$3.70	1/2	OELB1	$3.70	1/2
OEC2	4.25	3/4	OELB2	4.25	3/4

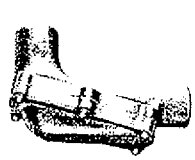


Cat. No.	Each	Hub Size, In.	Cat. No.	Each	Hub Size, In.
OELL1	$3.70	1/2	OELR1	$3.70	1/2
OELL2	4.25	3/4	OELR2	4.25	3/4



Cat. No.	Each	Hub Size, In.
OET1	$3.90	1/2
OET2	4.55	3/4

CONDUIT OUTLET BODIES AND ELBOW TEES



Type LBH



Type LBY

Application: LBH conduit outlet bodies are instal- led in hazardous areas to act as pull outlets especially for conductors that are stiff due to large size or type of insulation. LBY elbows are installed in conduit systems within hazardous areas to make 90° bends in conduit systems where space is limited.
Standard Materials: Feraloy.
Standard Finishes: Cadmium zinc electroplate and aluminum cellulose lacquer.

Cat. No.	Each	Size In.	Cat. No.	Each	Size In.
Type LBH					
LBH10*	$ 6.70	1/2	LBH60*	$ 30.65	2
LBH20*	7.40	3/4	LBH70*	63.50	2 1/2
LBH30*	19.30	1	LBH80*	64.65	3
LBH40*	20.00	1 1/4	LBH90*	106.00	3 1/2
LBH50*	29.50	1 1/2	LBH100*	112.00	4
Type LBY					
LBY15*	1.70	1/2	LBY35	2.25	1
LBY25*	2.05	3/4	LBY45	4.75	1 1/4

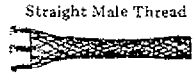
*Available in copper-free aluminum at no extra cost. To order, add suffix SA to Cat. No.

CROUSE-HINDS CABLE AND CORD FITTINGS
(FOR HAZARDOUS AND NON-HAZARDOUS AREAS)

CGB CONNECTORS



Straight Male Thread



Application: CGB cable and cord connectors are installed to provide means for passing a cord, cable (armored or unarmored) or flexible conduit into an enclosure, through a bulkhead or into a rigid conduit.
Standard Materials: 3/8" through 1 1/2" bodies and gland nuts — steel. 1 1/2" through 3" bodies and gland nuts — Feraloy. Bushing — Neoprene.
Standard Finishes: Steel — zinc electroplate with chromate finish coat. Feraloy — cadmium zinc electroplate and aluminum cellulose lacquer.

Thread Size In.	Cord Range Dia., In.	Inside Body Dia., In.	Complete with Gland Nut & Neoprene Bushing‡ Cat. No.	Each	Wire Mesh Grip‡ Cat. No.	Each
			CGB-		RPE-	
3/8	.125- .250	.469	3814	$.95	.....	.....
3/8	.250- .375	.469	3816	.95	.....	.....
3/8	.375- .437	.469	3817	.95	.....	.....
3/8	.125- .250	.500	3892	1.15	.....	.....
3/8	.250- .375	.500	3893	1.15	.....	.....
3/8	.375- .500†	.500	3894	1.15	417-115	$4.60
1/2	.125- .250	.469	114	.95	.....	.....
1/2	.250- .375	.469	116	.95	.....	.....
1/2	.375- .437	.469	117	.95	.....	.....
1/2	.125- .250	.625	192*	1.15	.....	.....
1/2	.250- .375	.625	193*	1.15	.....	.....
1/2	.375- .500	.625	194*	1.15	417-115	4.60
1/2	.500- .625	.625	195*	1.15	417-116	4.85
1/2	.625- .750†	.625	196	2.15	417-117	5.70
1/2	.750- .875†	.625	197	2.15	421-119	6.40
3/4	.125- .250	.688	292*	1.15	.....	.....
3/4	.250- .375	.688	293*	1.15	.....	.....
3/4	.375- .500	.688	294*	1.15	417-115	4.60
3/4	.500- .625	.688	295*	1.15	417-116	4.85
3/4	.625- .750†	.750	296*	2.15	417-117	5.70
3/4	.750- .875†	.750	297*	2.15	421-119	6.40
3/4	.875-1.000†	.813	298*	4.05	16676N•	7.70
1	.250- .375	.688	393	1.35	.....	.....
1	.375- .500	.688	394	1.35	417-115	4.60
1	.500- .625	.969	395*	2.15	417-129	5.00
1	.625- .750	.969	396*	2.15	417-117	5.70
1	.750- .875	.969	397*	2.15	421-119	6.40
1	.875-1.000†	.969	3239*	2.15	421-120	7.10
1	.875-1.000†	1.031	398	4.05	16676N•	7.70
1	1.000-1.188†	1.031	399	4.05	421-121	7.80
1	1.188-1.375†	1.031	3911	4.05	433-122	8.10
1 1/4	.875-1.000	1.250	498*	4.05	16676N•	7.70
1 1/4	1.000-1.188	1.250	499*	4.05	421-121	7.80
1 1/4	1.188-1.375†	1.250	4911*	4.05	433-122	8.10
1 1/4	1.375-1.625†	1.250	4913	5.85	433-123	10.25
1 1/4	1.625-1.875†	1.250	4915	5.85	17317N•	11.85
1 1/2	.875-1.000	1.438	598	4.05	16676N•	7.70
1 1/2	1.000-1.188	1.438	599	4.05	421-121	7.80
1 1/2	1.188-1.375	1.438	5911	4.05	433-122	8.10
1 1/2	1.375-1.625†	1.438	5913	5.85	433-123	10.25
1 1/2	1.625-1.875†	1.438	5915	5.85	17317N•	11.85

*Available in copper-free aluminum at no extra cost. To order, add suffix SA to Cat. No.
†Remove sufficient outer covering of cord or cable to pass conductors through the connector body.
‡Order wire mesh grip separately.
•Cat. No. complete without prefix RPE.

CABLE TERMINATORS FOR ARMORED CABLE



Cable terminators are installed to provide means for passing armored, metal clad, jacketed or unjacketed and unarmored cable through a bulkhead or into an enclosure.

Steel with zinc electroplate and chromate finish.

Type CGFJ For Jacketed Interlocked Armored "C-L-X" "CCW" Cable
With Neoprene Bushing for Watertight Seal and Lead Bushing for Armor Grip

Male Thread Size, In.	Cable O.D. Range, Inches	Armor O.D. Range, Inches	Cat. No.	Each
1/2	.625- .875	.500- .625	CGFJ1101	$2.75
3/4	.625- .875	.625- .813	CGFJ211	3.90
3/4	.750-1.000	.625- .813	CGFJ221	3.90
3/4	.750-1.000	.813-1.000	CGFJ222	3.90
1	.625- .875	.625- .813	CGFJ311	4.75
1	.750-1.000	.625- .813	CGFJ321	4.75
1	.750-1.000	.813-1.000	CGFJ322	4.75
1	.875-1.188	.625- .813	CGFJ331	4.75
1	1.000-1.375	.813-1.000	CGFJ342	4.75
1 1/4	1.000-1.375	1.000-1.375	CGFJ443	7.15
1 1/2	1.375-1.625	1.000-1.375	CGFJ513	11.05
2	1.375-1.625	1.375-1.875	CGFJ614	13.45
2	1.625-1.875	1.375-1.875	CGFJ624	13.45
2	1.875-2.188	1.375-1.875	CGFJ634	13.45
2 1/2	1.875-2.188	1.875-2.188	CGFJ715	16.70

Larger sizes available.

CROUSE-HINDS CABLE AND CORD FITTINGS

QUANTITY DISCOUNTS

Less than $300.00 0
$300 and over 20%

All types may be assorted to obtain quantity discounts.

CABLE TERMINATORS FOR ALUMINUM SHEATHED CABLE

Copper-Free Aluminum



Cable terminators are installed to provide means for passing the cable through a bulkhead into an enclosure and terminate ALS cable at an enclosure.

Type ALS For Jacketed or Unjacketed
Type ALSJ For Jacketed Aluminum Sheathed Cable—Watertight

Male Thread Size, In. (NPT)	Cable O.D. Range, Inches	Cat. No.	Each	Cat. No.	Each
½	.399- .423	ALS400	$1.30	ALSJ400	$2.65
½	.424- .448	ALS425	1.30	ALSJ425	2.65
½	.449- .473	ALS450	1.30	ALSJ450	2.65
½	.474- .498	ALS475	1.30	ALSJ475	2.65
½	.499- .523	ALS500	1.30	ALSJ500	2.65
½	.524- .548	ALS525	1.30	ALSJ525	2.65
¾	.549- .573	ALS550	1.80	ALSJ550	3.70
¾	.574- .598	ALS575	1.80	ALSJ575	3.70
¾	.599- .623	ALS600	1.80	ALSJ600	3.70
¾	.624- .648	ALS625	1.80	ALSJ625	3.70
¾	.649- .673	ALS650	1.80	ALSJ650	3.70
¾	.674- .698	ALS675	1.80	ALSJ675	3.70
¾	.699- .723	ALS700	1.80	ALSJ700	3.70
¾	.724- .748	ALS725	1.80	ALSJ725	3.70

Also available in 1" and 1 1/4"

CROUSE-HINDS CONDUIT FITTINGS
(FOR HAZARDOUS AND NON-HAZARDOUS AREAS)

F SERVICE HEADS



1/2" Size



2"-4" Size

Application: Used for overhead service entrance to buildings.

Standard Materials: Copper-free aluminum.

Standard Finishes: Natural.

Conduit Size In.	No. of Cover Knock outs	Cat. No.	Each	Conduit Size In.	No. of Cover Knock outs	Cat. No.	Each
Threaded Rigid							
1/2	6	F186	$ .55	2 1/2	6	F766	$ 16.70
3/4	5	F285	.70	3	6	F866	24.50
1	5	F385	1.00	3 1/2	6	F966	32.30
1 1/4	5	F485	1.35	4	6	F1066	40.40
1 1/2	5	F585	2.35	5	3	FO1263	102.00
2	6	F686	4.70	6	3	FO1463	105.00
Slip-Fitter — Rigid — Mast Head							
2	5	F6485	2.80	2 1/2	5	F7485	3.40
Clamp Type — Threadless — Rigid or EMT							
3/4	5	F235	.80	1 1/2	5	F535	2.10
1	5	F335	1.05	2	6	F636	4.23
1 1/4	5	F435	1.35	...	...	...	...

SERVICE ENTRANCE ELBOWS AND TEES



Type SLB



Type LBY

Application: Installed in conduit systems to act as service entrance elbows between service entrance and vertical weather-head conduit runs.

Standard Materials: SLB elbows — copper-free aluminum, LBY elbows — Feraloy.

Standard Finishes: Copper-free aluminum — natural. Feraloy — cadmium zinc electroplate and aluminum cellulose lacquer.

Size In.	Cat. No.	Each	Cat. No.	Each
1/2	SLB1	$ .75	LBY1	$1.45
3/4	SLB2	.95	LBY2	1.80
1	SLB3	1.50	LBY3	1.90
1 1/4	SLB4	2.00	LBY4	3.80
1 1/2	SLB5	4.65	LBY5	5.55
2	SLB6	7.35	....	....

CROUSE-HINDS CONDUIT FITTINGS
(FOR HAZARDOUS AND NON-HAZARDOUS AREAS)

GC GROUNDING STRAPS AND STRAP CLAMPS



Grounding Straps



Strap Clamps

No.	Description	Each
GC100	Grounding Strap; 50' Coil	$45.40
GC101	Strap Clamp, Steel	.70
GC102	Strap Clamp, Brass	1.15

UNIONS AND ELBOW'S



Type UNY



Type UNF

Application: UNY and UNF unions are installed in threaded thick-wall conduit systems. UNY — to connect conduit to a conduit fitting, junction box or device enclosure. UNF — to connect conduit to conduit, or to provide a means for future modification of the conduit system. EL elbows are installed in conduit run or in box or fitting hub.

Standard Materials: UNY, UNF unions — 1/2" to 1" — steel; 1 1/4" to 6" — Feraloy. EL elbows — Feraloy.

Standard Finishes: Steel — zinc electroplate with chromate finish. Feraloy — cadmium zinc electroplate and aluminum cellulose lacquer.

Size, In.	—Male— Cat. No.	Each	—Female— Cat. No.	Each
1/2	UNY105*	$1.25	UNF105*	$1.15
3/4 to 1/2	UNY215*	1.80	UNF215*	1.60
3/4	UNY205*	1.80	UNF205*	1.60
1	UNY305*	3.05	UNF305*	2.90
1 1/4	UNY405	4.70	UNF405	4.35
1 1/4	UNY406†	7.10	UNF406†	6.60
1 1/2	UNY505	6.10	UNF505	5.60
1 1/2	UNY506†	9.10	UNF506†	8.55
2	UNY605	7.85	UNF605	7.20
2	UNY606†	11.65	UNF606†	11.05
2 1/2	UNY705	12.15	UNF705	9.90
3	UNY805	16.50	UNF805	14.20
3 1/2	UNY905	26.80	UNF905	22.40
4	UNY1005	30.55	UNF1005	26.20
5	UNY012	42.55	UNF012	35.45
6	UNY014	50.40	UNF014	42.45



90° Male



45° Female



90° Female



90° Male and Female

Size, In.	—90° Male— Cat. No.	Each	—45° Female— Cat. No.	Each
1/2	EL195	$1.55	EL1	$1.05
3/4	EL295	1.75	EL2	1.15
1	EL395	2.05	EL3	1.55
1 1/4	EL495	2.45	EL4	2.05
1 1/2	.....	....	EL5	2.45
2	.....	....	EL6	2.90
2 1/2	.....	....	EL7	7.40
3	.....	....	EL8	7.95
3 1/2	.....	....	EL9	11.35
4	.....	....	EL10	13.65

Size, In.	—90° Female— Cat. No.	Each	90° Male —and Female— Cat. No.	Each
1/2	EL19†	$1.05	EL196	$1.55
3/4	EL29†	1.15	EL296	1.75
1	EL39†	1.55	EL396	2.05
1 1/4	EL49	2.45	EL496	2.45
1 1/2	EL59	3.55	.....	....
2	EL69	5.70	.....	....
2 1/2	EL79	10.80	.....	....

*Suitable for use in Class I, Groups A and B areas.
†Suitable for use in Class I, Group B areas.

REDUCERS AND PLUGS



RE



REC



Square Head



Recessed

Application: RE and REC reducers are used threaded heavy wall conduit systems. PLG plugs used for closing threaded conduit hubs.

Standard Materials: RE reducer — Feraloy in si above 1 1/4" and steel in smaller sizes, REC Reduc — Feraloy. PLG plug — Feraloy.

Standard Finishes: Feraloy — cadmium zinc el troplate and aluminum cellulose lacquer. Steel — zi electroplate with chromate finish.

Type RE Reducers

Size In.	Cat. No.	Each	Size In.	Cat. No.	Eac
½- ⅛	RE1108	$.40	2½-1	RE73	$1.(
½- ¼	RE1208	.40	2½-1¼	RE74	1.(
½- ⅜	RE1308	.30	2½-1½	RE75	1.(
¾- ⅛	RE21	.25	2½-2	RE76	1.(
1 - ½	RE31	.30	3 -1	RE83	2.(
1 - ¾	RE32	.30	3 -1¼	RE84	2.(
1¼- ½	RE41	.50	3 -1½	RE85	2.(
1¼- ¾	RE42	.50	3 -2	RE86	2.(
1¼-1	RE43	.50	3 -2½	RE87	2.(
1½- ½	RE51	.85	3½-2	RE96	4.4
1½- ¾	RE52	.85	3½-2½	RE97	4.(
1½-1	RE53	.85	3½-3	RE98	4.(
1½-1¼	RE54	.85	4 -2	RE10	5.7
2 - ½	RE61	1.50	4 -2½	RE107	5.2
2 - ¾	RE62	1.50	4 -3	RE108	4.4
2 -1	RE63	1.15	4 -3½	RE109	4.4
2 -1¼	RE64	1.15	5 -4	RE01210	13.6
2 -1½	RE65	1.15	6 -5	RE01412	16.8

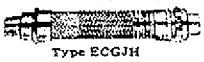
Type REC Reducers

Size In.	Cat. No.	Each	Size In.	Cat. No.	Eac
¾ ½	REC21	$.65	2 1	REC603	$1.8
1 ½	REC31	.65	2 1¼	REC604	1.9
1 ¾	REC32	.85	2 1½	REC605	1.9
1¼ ¾	REC42	.95	2½ 1½	REC75	2.3
1¼ 1	REC43	.95	3 2	REC86	3.4
1½ ¾	REC52	.90	3½ 2½	REC97	5.7
1½ 1	REC53	.95	4 3	REC108	4.8
1½ 1¼	REC54	1.20	5 4	REC01210	15.9
2 ¾	REC602	1.75	.....	.....	.....

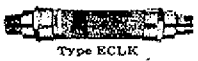
Type PLG Pipe Plugs

— Recessed — Cat. No.	Each	In.	— Square Head — Cat. No.	Eac
PLG1	$.25	½	PLG15	$.2
PLG2	.30	¾	PLG25	.3
PLG3	.35	1	PLG35	.3
PLG4	.40	1¼	PLG45	.4
PLG5	.55	1½	PLG55	.5
PLG6	.95	2	PLG65	.9
PLG7	1.50	2½	PLG75	1.5
PLG8	2.20	3	PLG85	2.2
PLG9	2.75	3½	PLG95	2.7
PLG10	3.70	4	PLG105	3.7

EC FLEXIBLE COUPLINGS



Type ECGJH



Type ECLK

Application: Used in hazardous areas where flexible member is required in a conduit system t accomplish difficult bends, or to allow for movemen or vibration of connected equipment or units. ECGJH combination has two female threaded end fittings two removable male nipples. ECLK combination ha one female union and one female threaded end fittin with a removable male nipple.

Standard Materials: 1/2" to 1 1/4" steel en fittings, bronze braid covering and flexible core 1 1/2" to 2" bronze end fittings, bronze braid an flexible core.

Standard Finishes: Steel end fittings — zinc plated

Flexible Length, In.	Size, In.	Cat. No.	Each	Cat. No.	Each
4	3/4	ECGJH24	$13.65	ECLK24	$14.6
6	3/4	ECGJH26	15.35	ECLK26	16.2
8	3/4	ECGJH28	17.05	ECLK28	17.9
10	3/4	ECGJH210	18.65	ECLK210	19.7
12	3/4	ECGJH212	20.30	ECLK212	21.2
15	3/4	ECGJH215	22.85	ECLK215	23.7
18	3/4	ECGJH218	25.35	ECLK218	26.2
21	3/4	ECGJH221	27.85	ECLK221	28.8
24	3/4	ECGJH224	30.30	ECLK224	31.3
27	3/4	ECGJH227	32.80	ECLK227	33.8
30	3/4	ECGJH230	35.30	ECLK230	36.3
33	3/4	ECGJH233	37.80	ECLK233	38.8
36	3/4	ECGJH236	40.30	ECLK236	41.3

Note: Also available in conduit sizes 1/2" through 2". Prices on application.

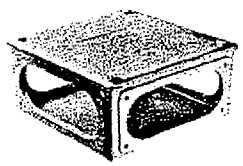
CROUSE-HINDS JUNCTION BOXES

QUANTITY DISCOUNTS

Less than $300.00 0
$300 and over 20%

All types may be assorted to obtain quantity discounts.

RS, RSM AND RSS JUNCTION BOXES
(FOR NON-HAZARDOUS AREAS)



Application: Installed in conduit systems to act as pull box for conductors and to provide openings and space for making splices and taps in conductors.

Standard Materials: Bodies and hub plates — Feraloy. Gaskets — cork.

Standard Finishes: Feraloy — cadmium zinc electroplate and aluminum cellulose lacquer.

Type	Approx. Inside Dimen. Inches	Cat. No.	Each
RS	8 1/2 x 8 1/2 x 4	RS1	$22.70
RSM	8 1/2 x 4 1/2 x 4	RSM1	20.45
RSS	4 1/2 x 4 1/2 x 4	RSS1	17.05

CONDUIT HUB PLATES



RSP111



RSMP1

For RS Series

For 8½x4-Inch Sides of Types RS and RSM

Size Inches	Cat. No.	List Each	Size Inches	Cat. No.	List Each
With One Hub			With Two Hubs		
½	RSP1	$2.30	½-½	RSP11	$3.00
¾	RSP2	2.45	¾-¾	RSP22	3.30
1	RSP3	2.55	1-1	RSP33	3.55
1¼	RSP4	2.65	1¼-1¼	RSP44	3.90
1½	RSP5	2.75	1½-1½	RSP55	4.25
2	RSP6	2.90	2-2	RSP66	4.85
2½	RSP7	3.90	.....	.....	.....
3	RSP8	4.55	.....	.....	.....
With Three Hubs			Blank		
½-½-½	RSP111	$3.30	.....	RSP0	$2.20
¾-¾-¾	RSP222	3.70	.....	.....	.....
1-1-1	RSP333	4.10	.....	.....	.....
1¼-1¼-1¼	RSP444	4.55	.....	.....	.....
1½-1½-1½	RSP555	5.15	.....	.....	.....

For 4¾x4-Inch Sides of Types RSM and RSS

Size In.	Cat. No.	List Each	Size In.	Cat. No.	List Each
With One Hub			With Two Hubs		
½	RSMP1	$1.15	½–½	RSMP11	$1.75
¾	RSMP2	1.35	¾–¾	RSMP22	4.65
1	RSMP3	1.40			
1¼	RSMP4	1.55			
1½	RSMP5	1.65	Blank		
2	RSMP6	1.75	RSMP0		$1.05
2½	RSMP7	2.55			

TYPES GU, GUE AND GUB JUNCTION BOXES
(FOR HAZARDOUS AREAS)

Explosion-Proof, Dust-Tight, and Weather Resistant—Raintight

Class I, Group D; Class II, Groups E, F, and G; and Class III (Type GUB and GUE also Group B)



GU and GUE



GUB

These junction boxes are used in threaded rigid conduit systems in hazardous areas to function as a splice box, pull box or equipment and device enclosure. Can be furnished with brazed threaded or union hubs, subject to the limitations of maximum hub size number and spacing shown in tables below.

Price of hubs selected must be added to the junction box price shown.

Standard Materials: Bodies — Feraloy. Covers — copper-free aluminum.

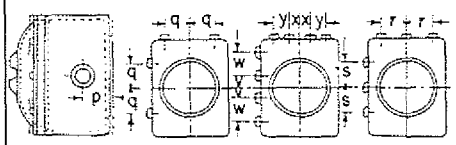
Standard Finishes: Feraloy — GU, GUE, GUB01, GUB02 — cadmium zinc electroplate and aluminum cellulose lacquer. All other boxes — zinc chromate primer and aluminum cellulose lacquer.

Cat. No.	Nom. Outside Dim. Lgth.	Width.	Depth	Cover Open.	Each
GU*	4⅛	4⅛	3⅞	3⅝	$5.70
GUE*	4⅝	4⅝	4⅝	3⅞	7.40
GUE-GB†	4⅝	4⅝	4⅝	3⅝	10.80
GUB01*	6½	7	5¾	5½	24.95
GUB01-GB†	6½	7	5¾	5½	32.90
GUB02*	8	10	5⅝	7	46.50
GUB02-GB†	8	10	5⅝	7	57.85
GUB06*	8½	10	6⅝	7	57.85
GUB03*	11	12	8⅛	9⅝	112.00
GUB03-GB†	11	12	8⅛	9⅝	124.00
GUB01110	14	18	13½	12¼	328.00
GUB15151	19	21	16⅝	16⅜	471.00
GUB04	11	12	8⅛	9⅝	130.00
GUB08	8½	10	6⅛	7	65.80

†Suffix GB items suitable for Class 1, Group B areas.

*Add suffix "SA" for copper-free aluminum

Hub Spacings



Hub spacings for 2, 3 or 4 hubs on top bottom or sides all types

Type	Dimensions, Inches p	q	r	s	v	w	x	y
GU	1	1⅛	1⅞	1⅞	.....	.....	.....	.....
GUE	1⅝	1⅛	1⅞	1⅞	.....	.....	.....	.....
GUB01	2⅛*	1⅞	2⅛	2⅛	⅞	1⅞	3⅛	1⅞
GUB02	2⅛*	2	2½	3½	1⅛	2¼	4⅛	1⅛
GUB06	2⅛**	2	2¾	3¼	1⅛	2¼	4⅛	1⅛
GUB08	2⅛**	1⅝	2⅜	3¼	1⅛	2½	4⅛	1⅛
GUB03	3⅝	2⅝	3¼	3⅞	1⅛	2½	1¼	2½
GUB04	3¾	2¼	2⅞	3⅜	1¾	2½	1⅛	2¾
GUB01110	4¾	3½	4½	5¾	2	4	1⅝	3¼
GUB15151	6	4	5¼	5⅜	2¼	4½	1⅛	3⅞

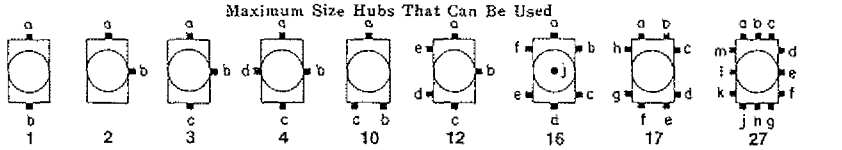
*For 2½" hubs, dimension "p" is 2⅜".

**For 2½" and 3" threaded or union hubs, dimension "p" is 2⅝".

HUBS FOR GU, GUE, AND GUB SERIES

Size	Threaded Symbol	Threaded List Each	Union Symbol	Union List Each
½	1	$1.90	W	$2.70
¾	2	2.00	X	2.70
1	3	2.30	Y	3.20
1¼	4	2.70	R	4.40
1½	5	3.40	S	7.10
2	6	4.30	T	9.30
2½	7	6.50	U	13.00
3	8	9.70	V	17.20
3½	9	13.20	WD	22.20
4	10	17.20	XD	27.20

Maximum Size Hubs That Can Be Used



First Division of Cat. No.	Type of Hub	No. of Hubs on Top & Bottom 1	2	3	4	No. of Hubs on Each Side 1	2	3	4	No. of Hubs on Back 1	2	4
GU	Threaded	1¼	1¼	½	.....	1¼	1¼	½	.....	‡1½	1	1
	Union	1	1	.....	.....	1	1	.....	.....	‡1½	1	1
GUE†	Threaded	2 (2)	1½ (¾)	¾	.....	2 (2)	1½	¾	.....	‡1¾ (¾)	1	1
	Union	2	1	½	.....	2	1	½	.....	‡1¾	1	1
GUB01†	Threaded	2½ (2)	2 (1¼)	1 (¾)	½	2½ (2)	2	1	¾	4 (2)	2½	2
	Union	2½	1½	1	½	2½	1½	1	½	4	1½	1½
GUB02†	Threaded	2½ (2)	2½ (2)	1¼ (1)	1	2½ (2)	2½	2	1	4 (2)	2½	2½
	Union	2½	2	1	¾	2½	1½	1	¾	4	2	2
GUB06	Threaded	3	2½	1½	1	3	2½	2	1	4	2½	2½
	Union	3	2	1	¾	3	2	1½	1	4	2	2
GUB08	Threaded	3	2	1	½	3	2	1½	1	4	2	2
	Union	3	1½	1	½	3	1½	1	1	4	1½	1½
GUB03†	Threaded	4 (2)	3½ (2)	2 (1¼)	1¼ (1)	4 (2)	3½	2	1¼	4 (2)	3½	3½
	Union	4	3	1½	1	4	3	2	1¼	4	3	3
GUB04	Threaded	4	3	1½	1	4	3	2	1¼	4	3	3
	Union	4	2½	1½	1	4	2½	1½	1	4	2½	2½
GUB01110	Threaded	4	4	3	2	4	4	3½	2½	4	4	4
	Union	4	4	2½	1½	4	4	3	2	4	4	4
GUB15151	Threaded	4	4	3½	2½	4	4	4	3	4	4	4
	Union	4	4	3	2	4	4	3½	2½	4	4	4

†Suffix GB hub size limitations shown in parentheses. Junction box must be installed with seal immediately adjacent to each conduit opening.

‡A 1¾" hub is the largest that can be located in the center of the back and still attach the CB1124 connection block. If connection block is not used, a 2½" threaded or union hub can be supplied.

CROUSE-HINDS

CHICO A SEALING COMPOUND

Not Affected by Gasoline, Alcohol, Acetone, Ether, Naphtha, Petroleum, Benzol, or Lacquer Solvent



Pkg. No.	Net Wt.	Volume Cu. In.*	Cat. No.	Pkg.
2	9 oz.	13	Chico A 2	$.95
3	1 lb.	23	Chico A 3	1.55
4	†1 lb.	23	Chico A 4	2.30
23	2 lb.	46	Chico A 23	2.55
24	‡2 lb.	46	Chico A 24	4.35
05	5 lb.	115	Chico A 05	4.10
5	10 lb.	230	Chico A 5	8.55

CHICO X FIBER



Pkg. No.	Net Wt. Oz.	Cat. No.	Pkg.
1	¾ oz.	Chico X 1	$.60
2	¾ oz.	Chico X 2	.95
3	1 oz.	Chico X 3	1.15
4	2 oz.	Chico X 4	2.05
5	4 oz.	Chico X 5	3.90
6	8 oz.	Chico X 6	6.80
7	1 lb.	Chico X 7	11.35

Approx. Amount of Fiber Required per Conduit Hub							
Hub in.	½	¾	1	1¼	1½	2	2½	3
Oz. Req.	⅛	⅛	⅛	¼	½	1	1½	2

*Number of cubic inches volume this amount fills when set. †With ¾-ounce Chico X Fiber. ‡With 2-ounce Chico X Fiber.

CROUSE-HINDS BREATHERS AND DRAINS
(FOR HAZARDOUS AREAS)
DRAINS AND BREATHERS (VENTS)

Class I, Groups C,D
Class II, Groups F,G



Pipe Thread Size, In.	Cat. No.	Each
3/8	ECD384*	$4.00
3/8	ECD385	4.00
1/2	ECD14*	4.00
1/2	ECD15	4.00

*Shorter overall size than ECD15 and ECD385. For use in confined spaces such as panelboard assemblies.

CROUSE-HINDS SEALS
(FOR HAZARDOUS AREAS)

QUANTITY DISCOUNTS

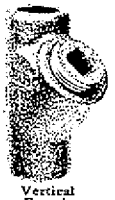
Less than $300.00 0
$300 and over 20%

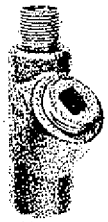
All types may be assorted to obtain quantity discounts.

CONDUIT SEALS


Vertical or Horizontal Female


Vertical or Horizontal Male and Female


Vertical Female


Vertical Male and Female


Vertical or Horizontal Female


Vertical or Horizontal Male and Female

Application: Sealing fittings are installed in all sizes of conduit within 18" of an enclosure housing an arcing or sparking device in Class I, Division 1 and 2 hazardous areas.

Standard Materials: Feraloy.

Standard Finishes: Cadmium zinc electroplate and aluminum cellulose lacquer.

*EYS

Hub Size, In.	—Female Hub— Cat. No.	Each	—Male & Female Hub— Cat. No.	Each
For Sealing Vertical or Horizontal Conduits				
1 1/4	EYS4	$ 3.20	EYS46	$ 3.60
1 1/2	EYS5	4.85	EYS56	5.30
2	EYS6	6.30	EYS66	6.90
2 1/2	EYS7	9.70	EYS76	10.75
3	EYS8	11.95	EYS86	13.55
3 1/2	EYS9	31.75	EYS96	33.95
4	EYS10	49.90	EYS106	52.10
5	EYS012	74.85	EYS0126	74.85
6	EYS014	98.70	EYS0146	98.70
For Sealing Vertical Conduits Only				
1/2	EYS11	1.75	EYS116	1.85
3/4	EYS21	2.05	EYS216	2.20
1	EYS31	2.65	EYS316	2.75
1 1/4	EYS41	9.10	.....	....
1 1/2	EYS51	13.65	.....	....
2	EYS61	18.15	.....	....
For Sealing Vertical or Horizontal Conduits				
1/2	EYS1	1.75	EYS16	1.85
3/4	EYS2	2.05	EYS26	2.25
1	EYS3	2.65	EYS36	2.95

*1/2-4" sizes are available in copper-free aluminum at no extra cost. To order, add suffix SA to Cat. No.

CROUSE-HINDS CONTROL STATIONS
(FOR HAZARDOUS AND NON-HAZARDOUS AREAS)


EFS2184


EFS11271


EFSC2162

Normal Position	Marking†	Diagram	Hub Size, In.	Dead End Cat. No.	Each
EFS PUSH BUTTON STATIONS—FRONT OPERATED CLASS I, GROUP B OPTION:					
Single Gang — Enclosure with Push Buttons					
1 Circuit Universal	Specify		1/2	EFS1184	$20.75
			3/4	EFS2184	20.85
			1	EFS3184	21.05
2 Circuits Universal	Specify		3/4	EFS2190	25.15
			1	EFS3190	25.35
2 Circuits 1 Open-A 1 Closed-B	START-STOP unless otherwise specified.	A B	1/2	EFS115	23.35
			3/4	EFS215	23.45
			1	EFS315	23.65
Two Gang — Enclosure with Push Buttons					
1 Circuit Universal	Specify		3/4	EFS2284	$41.55
			1	EFS3284	41.80
2 Circuits Universal	Specify		3/4	EFS2290	50.15
			1	EFS3290	50.40
2 Circuits 1 Open-A 1 Closed-B	START-STOP unless otherwise specified	A B	3/4	EFS225	46.75
			1	EFS325	47.00
PUSH BUTTON STATIONS—SIDE ROCKER HANDLE					
Single Gang — Enclosure with Push Buttons					
1 Circuit Universal	Specify		1/2	EFS1596	$20.85
			3/4	EFS2596	20.95
			1	EFS3596	21.15
2 Circuits Universal	Specify		3/4	EFS2194	25.05
			1	EFS3194	25.25
2 Circuits 1 Open-A 1 Closed-B	START-STOP unless otherwise specified	A B	1/2	EFS1162	23.25
			3/4	EFS2162	23.35
			1	EFS3162	23.55
Two-Gang — Enclosure with Push Buttons					
1 Circuit Universal	Specify		3/4	EFS2696	$41.75
			1	EFS3696	42.00
2 Circuits Universal	Specify		3/4	EFS2294	49.95
			1	EFS3294	50.20
2 Circuits 1 Open-A 1 Closed-B	START-STOP unless otherwise specified	A B	3/4	EFS2262	46.55
			1	EFS3262	46.80

SELECTOR SWITCHES—MAINTAINED CONTACT

Position 1	Position 2	Position 3	—Enclosure with Switch— Hub Size, In.	Cat. No.	Each
Two-Position, Two-Circuit					
A1 A2			1/2	EFS11271	$20.7
			3/4	EFS21271	20.8
			1	EFS31271	21.0
A1 A2 B1 B2			1/2	EFS11272	24.1
			3/4	EFS21272	24.2
			1	EFS31272	24.4
Three-Position, Two Circuit					
A1 A2			1/2	EFS11273	20.7
			3/4	EFS21273	20.8
			1	EFS31273	21.0
A1 A2 B1 B2			1/2	EFS11274	24.1
			3/4	EFS21274	24.2
			1	EFS31274	24.4
A1 A2 B1 B2			1/2	EFS11275	24.1
			3/4	EFS21275	24.2
			1	EFS31275	24.4

†Specify indicating plate markings. Standard markings available are as follows:

Two-Position

RUN, JOG	FAST, SLOW	IN, OUT
HAND, AUTOMATIC	OPEN, CLOSE	RAISE,
FORWARD,	UP, DOWN	LOWER
REVERSE	ON, OFF	START, STOP

Three-Position

OPEN, OFF, CLOSE	1, OFF, 2
HAND, OFF, AUTOMATIC	RUN, OFF JOG
FORWARD, OFF, REVERSE	UP, OFF, DOWN
FAST, OFF, SLOW	

EFS PILOT LIGHTS—FACTORY SEALED

Single Gang — Dead End



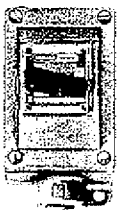
Hub Size, In.	Cat. No.*	Each
Enclosure with Single Pilot Light		
1/2	EFS1524†	$21.75
3/4	EFS2524†	21.85
1	EFS3524†	22.05
Enclosure with Double Pilot Lights		
1/2	EFS1561†	32.05
3/4	EFS2561†	32.15
1	EFS3561†	32.35

*Through feed can be obtained by adding "C" to the Cat. No. Price on request.

†Add color symbol for each pilot light from table below. Example: EFS 1524 with red, amber and green lights is EFS1524-J1.

Color	Symbol	Color	Symbol	Color	Symbol
Red	J1	Amber	J6	Clear	J10
Green	J3	Opal	J8	Blue	J11

CROUSE-HINDS CIRCUIT BREAKERS
(FOR HAZARDOUS AREAS)
EFD CIRCUIT BREAKERS AND ENCLOSURES


Breaker can be padlocked in "ON" or "OFF" positions with trip-free handle mechanism.

Electrical Rating Ranges: Single pole — 120 vac. max. Trip ratings — 15, 20 and 30 amp.

Compliances: NEC: Class I, Groups C, D; Class II, Groups E, F, G; Class III. NEMA: 5, 7CD, 9EFG.

Standard Materials: Bodies and covers — Feraloy. Operating handles — Type 6/6 nylon. Operating shafts — stainless steel.

Standard Finishes: Feraloy — cadmium zinc electroplate and aluminum cellulose lacquer. Type 6/6 nylon — natural (black). Stainless steel — natural.

Hub Size, In.	—15 Amp— Cat. No.	Each	—20 Amp— Cat. No.	Each	—30 Amp— Cat. No.	Each
	EFD—		EFD—		EFD—	
Single Gang						
1/2	11104	$24.75	11105	$24.75	.....	.....
3/4	21104	24.85	21105	24.85	21106	$24.85
1	31104	25.10	31105	25.10	31106	25.10
Two Gang						
1/2	12104	49.50	12105	49.50	.....	.....
3/4	22104	49.60	22105	49.60	22106	49.60
1	32104	49.90	32105	49.90	32106	49.60

CROUSE-HINDS SWITCHES
(FOR HAZARDOUS AND NON-HAZARDOUS AREAS)

EFS ENCLOSURE WITH FRONT OPERATED TUMBLER SWITCH



Standard Materials: Bodies and covers — Feraloy. Shafts and shaft bushings — stainless steel. Rocker handle and push button guards — type 6/6 nylon.
Standard Finishes: Feraloy — cadmium zinc electroplate and aluminum cellulose lacquer.

Hub Size, In.	Style	—Amperes— 125V	250V	Cat. No.	Each
	Dead End — Single Gang*				
	Shallow Enclosure				
1/2	1-pole	20T	10	EFS1129	$15.15
1/2	2-pole	20T	20	EFS118	19.45
1/2	3-way	15T	10	EFS1130	16.10
1/2	4-way	5T	2	EFS1140	25.25
3/4	1-pole	20T	10	EFS2129	15.25
3/4	2-pole	20T	20	EFS218	19.55
3/4	3-pole	10	5	EFS2123	29.40
3/4	3-way	15T	10	EFS2130	16.20
3/4	4-way	5T	2	EFS2140	25.35
1	1-pole	20T	10	EFS3129	15.45
1	2-pole	20T	20	EFS318	19.75
1	3-pole	10	5	EFS3123	29.60
1	3-way	15T	10	EFS3130	16.40
1	4-way	5T	2	EFS3140	25.55
1	DPDT — no "OFF"‡	10	5	EFS3540	20.30
	Deep Enclosure				
1	1-pole	30T	30	EFD3591	21.55
1	2-pole	30T	30†	EFD3593	24.80
1	3-way	30T	30	EFD3594	26.30
1	4-way	20T	10	EFD3590	33.55
	Through Feed — Single Gang*				
	Shallow Enclosure				
1/2	1-pole	20T	10	EFSC1129	15.35
1/2	2-pole	20T	20	EFSC118	19.65
1/2	3-way	15T	10	EFSC1130	16.30
1/2	4-way	5T	2	EFSC1140	25.45
3/4	1-pole	20T	10	EFSC2129	15.55
3/4	2-pole	20T	20	EFSC218	19.85
3/4	3-pole	10	5	EFSC2123	29.70
3/4	3-way	15T	10	EFSC2130	16.50
3/4	4-way	5T	2	EFSC2140	25.65
1	1-pole	20T	10	EFSC3129	16.00
1	2-pole	20T	20	EFSC318	20.30
1	3-pole	10	5	EFSC3123	30.15
1	3-way	15T	10	EFSC3130	16.95
1	4-way	5T	2	EFSC3140	26.10
1	DPDT — no "OFF"‡	10	5	EFSC3540	20.85
	Deep Enclosure				
1	1-pole	30T	30	EFDC3591	22.15
1	2-pole	30T	30†	EFDC3593	25.40
1	3-way	30T	30	EFDC3594	26.90
1	4-way	20T	10	EFDC3590	34.15

‡Specify name plate indications.
†Also rated at 20 amperes, 600v.
*Two gang units available. Information on request.

CROUSE-HINDS HEAVY DUTY PLUGS AND RECEPTACLES
(FOR HAZARDOUS AREAS)

CPS DELAYED ACTION CIRCUIT BREAKING RECEPTACLES AND PLUGS



Used with portable electrically operated devices such as motor-generator sets, compressors, conveyors, portable tools, lighting systems and similar equipment.

Standard Materials: Receptacle housings and plug exteriors — copper-free aluminum. Back boxes — Feraloy.

Style 2 — Grounded Through Extra Pole and Shell
20A, 1HP, 125-250 VAC, 60 Cycle, 20A, 18VDC
2-Wire, 3-Pole

Hub Size, No.	Single Gang —Receptacle Assembly— Cat. No.	Each	Cat. No.	Each
	Dead End			
1/2	CPS152-101	$31.35	CPS152-102	$62.65
3/4	CPS152-201	31.45	CPS152-202	62.75
1	CPS152-301	31.65	CPS152-302	63.00
	Through Feed			
1/2	CPS152-111	31.55	CPS152-112	62.90
3/4	CPS152-211	31.75	CPS152-212	63.10
1	CPS152-311	32.20	CPS152-312	63.50

CPS Plugs



The delayed action feature permits the plug to be used as a push-pull switch. In addition, if the cord or cable is broken through undue strain, the plug will have been withdrawn far enough to break the circuit and the cord will be "Dead" where the break occurs.

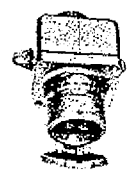
Cable Dia., In.	With Aluminum —Handles— Cat. No.	Each	High Impact Molded —Composition Handle— Cat. No.	Each
.250 to .375	CPP316	$14.05	CPP312	$15.15
.375 to .500	CPP416	14.05	CPP412	15.15
.500 to .625	CPP516	14.05	CPP512	15.15

QUANTITY DISCOUNTS

Less than $300.00 0
$300 and over 20%

All types may be assorted to obtain quantity discounts.

ARE AND AREA SERIES PLUGS AND RECEPTACLES



Arktite Circuit Breaking Receptacles

250 volts D.C., 600 Volts A.C. With weatherproof spring door.

Amp.	Wire	Pole	Size	Complete Nos.	Each
20	2	2	½	ARE3211	$16.25
30	2	3	1	ARE3323	19.90
30	3	3	1	ARE3313	17.75
30	3	4	1	ARE3423	22.05
30	4	4	1	ARE3413	19.90
60	2	3	1¼	ARE6324	30.80
60	3	3	1¼	ARE6314	28.65
60	3	4	1¼	ARE6424	36.20
100	2	3	1¼	AREA10324	52.10
100	2	3	1½	AREA10325	52.35
100	3	3	1½	AREA10315	49.10
100	3	4	1½	AREA10425	57.75
100	4	4	1½	AREA10415	54.50

"ARKTITE" PLUGS
With Rubber Cable Grip



Amp.	Wire	Pole	Cable Size	Nos.	Each
30	2	3	.500 to .875	APJ3363	$19.45
30	3	3	.500 to .875	APJ3353	17.30
30	3	4	.500 to .875	APJ3463	21.60
30	4	4	.500 to .875	APJ3453	19.45
60	2	2	.875 to 1.375	APJ6255	21.60
60	2	3	.875 to 1.375	APJ6365	27.00
60	3	3	.875 to 1.375	APJ6355	23.80
60	3	4	.500 to .875	APJ6463	29.20
100	2	3	.875 to 1.375	APJ10365	40.00
100	3	3	.875 to 1.375	APJ10355	36.75
100	3	4	.875 to 1.375	APJ10465	44.30
100	4	4	.875 to 1.375	APJ10455	41.05

CROUSE-HINDS INCANDESCENT LIGHTING FIXTURES
(FOR NON-HAZARDOUS AREAS)

VAPORGARD INCANDESCENT LIGHTING FIXTURES

Enclosed and Gasketed (Vaportight)


Pendant


Wall and Junction Box


Ceiling and Junction Box


Body with Globe and Guard

Standard Materials: Bodies and guards — copper-free aluminum. Globes — glass. Reflectors — white porcelain enameled steel.

Compliances: Weather resistant. NEC: Class I, Division 2; Class II, Division 2; Class III. UL Standard: 57.

Body with Globe and Guard

Hub Size, In.	Pendant Cat. No. VDA—	Each	Wall and Junction Box Cat. No. VXHBF—	Each	Ceiling and Junction Box Cat. No. VXHF—	Each
	150 Watt, A-21 Max. Lamp Size					
1/2	15GP	$10.75	15GP	$14.20	15GP	$12.00
3/4	25GP	10.85	25GP	14.45	25GP	12.25
1	35GP	10.95	.....	.....	.....	.....
	200 Watt, PS-25 Max. Lamp Size					
1/2	12GP	13.25	12GP	16.70	12GP	14.50
3/4	22GP	13.35	22GP	16.95	22GP	14.75
1	32GP	13.45	.....	.....	.....	.....

REFLECTORS

Porcelain Enameled Steel


Dome — Shallow Bowl — 30° Angle

Maximum Lamp Size	—Dome— Cat. No.	Each	—Shallow Bowl— Cat. No.	Each	—30° Angle— Cat. No.	Each
150 Watt, A-21	RD50	$5.95	RS50	$4.90	RA50	$4.35
200 Watt, PS-25	RD20	8.10	RS20	7.05	RA20	7.05

CROUSE-HINDS LIGHTING ACCESSORIES

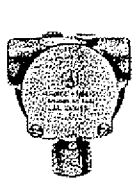
QUANTITY DISCOUNTS

Less than $300.00 0
$300 and over 20%

All types may be assorted to obtain quantity discounts.

ALC FLEXIBLE FIXTURE HANGERS FOR PENDANT FIXTURES

(FOR NON-HAZARDOUS AREAS)





Functions as both conduit outlet box and fixture hanger. Hubs are provided for threading the conduit directly into the hanger body. For use with incandescent, mercury vapor and fluorescent fixtures.

Standard Materials: Body — Feraloy. Nipple — malleable iron. Cover — sheet steel.

Standard Finishes: Feraloy and malleable iron — cadmium zinc electroplate and aluminum cellulose lacquer. Sheet steel — zinc electroplate with chromate finish.

Fixture Stem Size, In.	Conduit Size, In.	Fixture Wt., Lbs.	Cat. No.	Each
		Cushion		
1/2	1/2		ALC14	$6.55
1/2	3/4		ALC214	6.55
1/2	1	3 to 6	ALC314	6.95
3/4	3/4		ALC224	6.55
3/4	1		ALC324	6.95
1/2	1/2		ALC18	6.55
1/2	3/4		ALC218	6.55
1/2	1	6 to 12	ALC318	6.95
3/4	3/4		ALC228	6.55
3/4	1		ALC328	6.95
1/2	1/2		ALC116	6.55
1/2	3/4		ALC2116	6.55
1/2	1	12 to 24	ALC3116	6.95
3/4	3/4		ALC2216	6.55
3/4	1		ALC3216	6.95
1/2	1/2		ALC1132	6.55
1/2	3/4		ALC2132	6.55
1/2	1	24 to 48	ALC3132	6.95
3/4	3/4		ALC2232	6.55
3/4	1		ALC3232	6.95
		Ball		
1/2	1/2		ALC1	3.60
1/2	3/4		ALC21	3.60
1/2	1		ALC31	3.95
3/4	3/4		ALC22	3.60
3/4	1		ALC32	3.95

EAHC and EFHC FIXTURE HANGERS FOR HAZARDOUS AREAS


With Union Hub


With Threaded Hub

Used to suspend explosion-proof pendant lighting fixtures from the conduit system. Functions as both conduit outlet box and fixture hanger.

Standard Materials: Bodies — Feraloy. Covers — copper-free aluminum.

Standard Finishes: Feraloy — cadmium zinc electo-plate and aluminum cellulose lacquer. Copper-free aluminum—natural.

Fixture Hanger without Connection Block

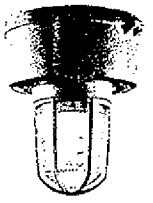
Hub Size, In.	Fixture Stem Size, In.	Threaded Hub for —Fixture Stem— Cat. No.	Each	Union Hub for —Fixture Stem— Cat. No.	Each
3/4	1/2	EAHC2701	$7.55	EAHC2601	$10.30
3/4	3/4	EAHC2702	7.55	EAHC2602	10.30
1	1/2	EAHC3701	7.65	EAHC3601	10.60
1	3/4	EAHC3702	7.65	EAHC3602	10.60
3/4	1/2	EFHC2701	5.85	EFHC2601	8.95
3/4	3/4	EFHC2702	5.85	EFHC2602	8.95
1	1/2	EFHC3701	5.95	EFHC3601	9.30
1	3/4	EFHC3702	5.95	EFHC3602	9.30

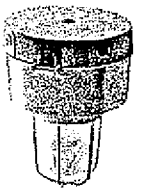
CROUSE-HINDS MERCURY VAPOR LIGHTING FIXTURES

(FOR NON-HAZARDOUS AREAS)

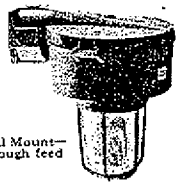
RELAMP CHAMP II MERCURY VAPOR LIGHTING FIXTURES

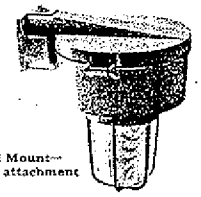
Enclosed and Gasketed (Vaportight)—Integral Ballast


Pendant Mount—


Ceiling Mount


Stanchion Top—25° angle


Wall Mount—through feed


Wall Mount—direct attachment

These fixtures are used in industrial locations, indoors and outdoors, where moisture, dirt, corrosion, vibration and rough usage are a problem. Ideal for walkways, bridges, tunnels, security lighting, roadways, cold storage facilities, garages and processing plants — where relamping is difficult and long lamp life is required.

Standard Materials: Ballast housing and mounting — copper free aluminum (less than 0.4of 1%)-Globes — configurated glass and clear plastic.

Lamp Watts	Hub Size, In.	With Globe and Guard Cat. No.	Each	With Globe and Guard Cat. No.	Each
		VMV Series*—Normal Power Factor (50%)			
		Pendant Mount—rigid mounting		Flex. Pendant Mount—flexible mounting	
		VMV-		VMV-	
75	3/4	2A75GP	$42.20	2HA75GP	$42.20
	1	3A75GP	42.30	.....	.....
100	3/4	2A100GP	42.20	2HA100GP	42.20
	1	3A100GP	42.30	.....	.....
175	3/4	2A175GP	48.95	2HA175GP	48.95
	1	3A175GP	49.05	.....	.....
		Ceiling Mount		Wall Mount—through feed	
		VMV-		VMV-	
75	3/4	2C75GP	$43.15	2TW75GP	$44.30
	1	3C75GP	43.25	3TW75GP	44.45
100	3/4	2C100GP	43.15	2TW100GP	44.30
	1	3C100GP	43.25	3TW100GP	44.45
175	3/4	2C175GP	49.90	2TW175GP	51.05
	1	3C175GP	50.00	3TW175GP	51.20
		Stanchion Top—25° angle		Wall Mount—direct attachment	
		VMVJ-		VMV-	
75	3/4	.....	.....	2W75GP	$43.95
	1¼	75GP	$49.20	.....	.....
100	3/4	.....	.....	2W100GP	43.95
	1¼	100GP	49.20	.....	.....
175	3/4	.....	.....	2W175GP	50.70
	1¼	175GP	55.95	.....	.....
		VMVH Series*—High Power Factor (90%+)			
		Pendant Mount—rigid mounting		Flex. Pendant Mount—flexible mounting	
		VMVH-		VMVH-	
100	3/4	2A100GP	$62.10	2HA100GP	$62.10
	1	3A100GP	62.20	.....	.....
175	3/4	2A175GP	67.75	2HA175GP	67.75
	1	3A175GP	67.85	.....	.....
		Ceiling Mount		Wall Mount—through feed	
		VMVH-		VMVH-	
100	3/4	2C100GP	63.05	2TW100GP	64.20
	1	3C100GP	63.15	3TW100GP	64.35
175	3/4	2C175GP	68.70	2TW175GP	69.85
	1	3C175GP	68.80	3TW175GP	70.00
		Stanchion Top—25° angle		Wall Mount—direct attachment	
		VMVHJ-		VMVH-	
100	3/4	.....	.....	2W100GP	63.85
	1	100GP	69.10	.....	.....
175	3/4	.....	.....	2W175GP	69.50
	1	175GP	74.75	.....	.....

VMVC Series*—Constant Wattage, Stab. Auto., High Power Factor (90%+)

Lamp Watts	Hub Size, In.	With Globe and Guard Cat. No.	Each	With Globe and Guard Cat. No.	Each
		Pendant Mount—rigid mounting		Flex. Pendant Mount—flexible mounting	
		VMVC-		VMVC-	
100	3/4	2A100GP	$66.00	2HA100GP	$66.00
	1	3A100GP	66.10	.....	.....
175	3/4	2A175GP	72.70	2HA175GP	72.20
	1	3A175GP	72.80	.....	.....
		Ceiling Mount		Wall Mount—through feed	
		VMVC-		VMVC-	
100	3/4	2C100GP	66.95	2TW100GP	68.10
	1	3C100GP	67.05	3TW100GP	68.25
175	3/4	2C175GP	73.65	2TW175GP	74.80
	1	3C175GP	73.75	3TW175GP	74.95
		Stanchion Top—25° angle		Wall Mount—direct attachment	
		VMVCJ-		VMVC-	
100	3/4	.....	.....	2W100GP	67.75
	1¼	100GP	73.00	.....	.....
175	3/4	.....	.....	2W175GP	74.45
	1¼	175GP	79.70	.....	.....

VMVM Metal Halide Series* — Constant Wattage, Stab. Auto., High Power Factor (90%+)

Lamp Watts	Hub Size, In.	With Globe and Guard Cat. No.	Each	With Globe and Guard Cat. No.	Each
		Pendant Mount—rigid mounting		Flex. Pendant Mount—flexible mounting	
		VMVM-		VMVM-	
175	3/4	2A175GP	POA	2HA175GP	POA
	1	3A175GP	POA		POA
		Ceiling Mount		Wall Mount—through feed	
		VMVM-		VMVM-	
175	3/4	2C175GP	POA	2TW175GP	POA
	1	3C175GP	POA	3TW175GP	POA
		Stanchion Top—25° angle		Wall Mount—direct attachment	
		VMVM-		VMVM-	
175	3/4	175GP	POA	2W175GP	POA

*To order R5 glass refractor, substitute R for GP in Cat. No. for 175W units.

CROUSE-HINDS MERCURY VAPOR LIGHTING FIXTURES

(FOR NON-HAZARDOUS AREAS)

QUANTITY DISCOUNTS

Less than $300.00 0
$300 and over 20%

All types may be assorted to obtain quantity discounts.

REFLECTORS


Shallow Bowl


Dome


30° Angle

Type	Porcelain Cat. No.	Each	Corro-Free Cat. No.	Each
Dome	RD22	$8.10	RD23	$12.20
Shallow Bowl	RS22	7.05	RS23	10.70
30° Angle	RA22	7.60	RA23	11.25

REFRACTORS



Type	Glass Cat. No.	Each	Plastic† Cat. No.	Each
II	.....	$.....	PR2	$22.70
III	.....	.....	PR3	22.70
IV	.....	.....	PR4	22.70
V	R5	$29.20	PR5	22.70

†Order as separate items.

HAZARD•GARD MERCURY VAPOR LIGHTING FIXTURES

(FOR HAZARDOUS AREAS)

With Integral Ballast

Class I, Groups C and D; Class II, Groups E, F and G

EVM Hazard•Gard mercury vapor fixtures with integral ballast are used in hazardous areas in industrial plants where low wattage is required. Furnished with guard.



Lamp Watts	Hub Size, In.	Cat. No.	Each
		Pendant	
100, BT25	¾	EVMA2101	$83.35
	1	EVMA3101	88.60
175, BT28, E28	¾	EVMA2171	93.25
	1	EVMA3171	93.45
		Bracket	
100, BT25	½	EVMBX1101	102.00
	¾	EVMBX2101	102.00
175, BT28, E28	½	EVMBX1171	107.00
	¾	EVMBX2171	108.00
		Ceiling	
100, BT25	½	EVMCX1101	98.10
	¾	EVMCX2101	98.40
175, BT28, E28	½	EVMCX1171	103.00
	¾	EVMCX2171	105.00

Note: Catalog numbers apply to fixtures furnished with 120V, 60 cycle autotransformer type ballasts with 50% normal power factor. Other voltage ballasted fixtures available on request.

Reflectors†

Style	Cat. No.	Each	Style	Cat. No.	Each
Dome	EV281	$7.60	30° Angle	EV287	$ 8.65
Deep	EV283	8.10	High Bay	EV2912	19.05
Shallow	EV285	7.60	.....	.....	.....

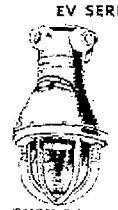
†Order separately.

CROUSE-HINDS INCANDESCENT LIGHTING FIXTURES

(FOR HAZARDOUS AREAS)

EV SERIES


EVA Pendant


EVCX Ceiling

Used in locations which are hazardous due to the presence of flammable vapors or gases and where dampness or corrosion are present.

Standard Materials: Body and guard — copper-free aluminum. Reflectors — steel (except high bay reflector, which is etched Alzak aluminum). Globe — glass, heat and impact resistant.

Max. Lamp Size, Watts	Style	Hub Size, In.	—EVA Pendant— Cat. No.	Each	—EVCX Ceiling— Cat. No.	Each
			EVA—		EVCX—	
	With	½	140	$43.80	140	$53.55
100,	Guard	¾	240	44.00	240	54.45
A-19	Without	½	104	41.60	104	51.35
	Guard	¾	204	44.80	204	52.25
	With	½	110	43.80	110	53.55
150,	Guard	¾	210	44.00	210	54.45
A-21		1	310	44.25	...	.....
200,	Without	½	101	41.60	101	51.35
A-23	Guard	¾	201	41.80	201	52.25
		1	301	42.05	...	.....
	With	½	115	43.80	115	53.55
200,‡	Guard	¾	215	44.00	215	54.45
A-25&		1	315	44.25	...	.....
PS-25	Without	½	105	41.60	105	51.35
300,‡	Guard	¾	205	41.80	205	52.25
PS-25		1	305	42.05	...	.....
	With	½	120	61.60	120	71.35
	Guard	¾	220	61.80	220	72.25
		1	320	62.00	...	.....
		½	102	58.35	102	68.10
	Without	¾	202	58.55	202	69.00
	Guard	1	302	58.75	...	.....
300,		½	....	.....	136	102.00
PS-35	With	¾	230	91.50	236	102.00
500,	Guard	1¼	430	92.60	...	.....
PS-40*		½	....	.....	163	95.65
	Without	¾	203	86.10	263	96.50
	Guard	1¼	403	87.20	...	.....

*With 500 watt, PS-40 lamp, suitable for Class I, Group D with reflector. Suitable for Class I, Group C without reflector.

‡200 watt, A-25 and PS-25 lamps cannot be used with EV583 reflector in Class I, Group C areas. 300 watt, PS-25 lamps can be used only in Class I, Group D areas, with or without reflector.

REFLECTORS FOR EV SERIES


Dome


30° Angle


Deep Bowl


Shallow Bowl


High Bay

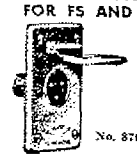
Max. Lamp Size, Watts	Style	Dia., In.	Cat. No.	Each
100, A-19				
150, A-21	Dome	13 7/8	EV581	$5.85
200, A-23	Deep	10 3/8	EV583	5.95
200, A-25	Shallow	13 7/8	EV585	5.85
& PS-25	Slotted 30°	12 1/4	EV5871	6.50
300, PS-25	Angle			
	Dome	16 3/16	EV281	7.60
	Deep	12 1/4	EV283	8.10
200/300,	Shallow	16 3/16	EV285	7.60
PS-30	30° Angle	13 7/8	EV287	8.65
	High Bay	14 1/2	EV2912	19.05
	Dome	20 9/16	EV381	11.90
	Deep	16 3/16	EV383	11.90
300, PS-35	Shallow	20 9/16	EV385	11.90
500, PS-40	30° Angle	16 3/16	EV387	9.75
	High Bay	17 5/16	EV3912	23.80

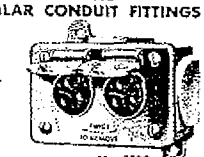
R & S MIDGET EVER-LOK RECEPTACLES PLUGS AND CONNECTORS

Electrical Products Division — Midland-Ross Corporation

Automatic Locking
10 Amp., 250 Volts, A.C. or D.C.
20 Amp., 125 Volts or 250 Volts, A.C.—
15 Amp., 125 Volts, D.C.
Two, Three, Four and Five Pole—Polarized
Maximum Horsepower Ratings:
½ Hp., 1-Phase—1 Hp. 3-Phase, 115 Volts, 230 Volts, A.C.

TYPE M RECEPTACLES
FOR FS AND SIMILAR CONDUIT FITTINGS


No. 8703


No. 8773

Description	—With Spring Hinged Flap— Cat. No.	Each	—With Box— Cat. No.	Each	Takes Plug No.
	Single Receptacle with Cover				
2 wire, 2 pole	8702	$5.60	8752	$ 7.80	8712
+2 wire, 3 pole	8703	5.70	8753	7.90	8713
3 wire, 4 pole	8704	5.80	8754	8.00	8714
4 wire, 5 pole	8705	8.05	8755	10.25	8715
	Duplex Receptacle with Cover				
2 wire, 2 pole	8732	8.80	8772	11.00	8712
+2 wire, 3 pole	8733	9.00	8773	11.20	8713
3 wire, 4 pole	8734	9.20	8774	11.40	8714
4 wire, 5 pole	8735	13.65	8775	15.85	8715

Automatic Locking

TYPE M PLUGS AND CONNECTORS


No. 8718

Clamp Type


No. 8725

Description	—Plugs— Male End Cat. No.	Each	—Connectors— Female End Cat. No.	Each	Cable Dia., In.
2 wire, 2 pole	8712	$4.90	8722	$5.60	½
+2 wire, 3 pole	8713	5.00	8723	5.70	½
3 wire, 4 pole	8714	5.10	8724	5.80	½
4 wire, 5 pole	8715	7.35	8725	8.05	½

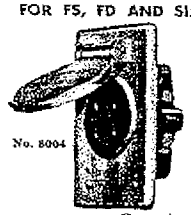
Bushing Type

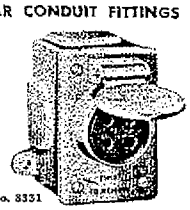
Description	—Plugs— Male End Cat. No.	Each	—Connectors— Female End Cat. No.	Each	Cable Dia., In.
2 wire, 2 pole	8812	6.00	8822	6.70	½
+2 wire, 3 pole	8813	6.10	8823	6.80	⅝
3 wire, 4 pole	8814	6.20	8824	6.90	⅝
4 wire, pole	8815	8.45	8825	9.15	⅝

R & S EVER-LOK RECEPTACLES

Automatic Locking

TYPE S RECEPTACLES
FOR FS, FD AND SIMILAR CONDUIT FITTINGS


No. 8004


No. 8331

Receptacle With Cover

Description	—With Spring Hinged Flap— Cat. No.	Each	—With Box— Cat. No.	Each	Takes Plug No.
	10 Amp., 600 Volts, A.C., 15 Amp., 250 Volts, A.C. 10 Amp., 250 Volts, 20 Amp., 125 Volts, A.C. or D.C.				
2 wire, 2 pole	8002	$5.75	8082	$ 7.95	8012
+2 wire, 3 pole	8003	5.85	8083	8.05	8013
3 wire, 4 pole	8008	5.95	8084	8.15	8018
	20 Amp., 600 Volts, A.C.—30 Amp., 250 Volts, A.C. or D.C.				
2 wire, 2 pole	8006	6.60	8029	8.80	8016
2 wire, 3 pole	8005	6.70	8030	8.90	8015
3 wire, 4 pole	8004	6.80	8031	9.00	8014
	30 Amp., 600 Volts, A.C., 50 Amp., 250 Volts, A.C. 30 Amp., 250 Volts, A.C. or D.C.				
2 wire, 3 pole	8305	8.05	8330	10.25	8315S
*3 wire, 4 pole	8304	8.05	8331	10.25	8314S

*30 ampere devices require type FD boxes.

R & S EVER-LOK PLUGS

TYPE S PLUGS — MALE END

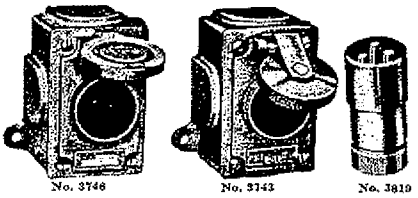
Description Wires	Poles	Cat. No.	Each	—Clamp Type— Max. Cable Dia., In.	Cat. No.	Each	—Bushing Type— Cable Bushing Dia., In.
				10 Amp., 600 Volts, A.C., 15 Amp., 250 Volts, A.C. 10 Amp., 250 Volts, 20 Amp., 125 Volts, A.C. or D.C.			
2	2	8012	$5.05	½	8152	$6.15	⅜
+2	3	8013	5.15	½	8153	6.25	⅜
3	4	3018	5.25	½	8158	6.35	⅜
				20 Amp., 600 Volts, A.C. 30 Amp., 250 Volts, A.C. or D.C.			
2	2	8016	5.80	⅝	8156	6.90	⅝
2	3	8015	5.90	⅝	8155	7.00	⅝
3	4	8014	6.00	⅝	8154	7.10	⅝

* Three pole Type M and S devices marked "*" are rated 30 Amp., 250 V. A.C., 10 Amp., 600 V. A.C. For 125 volt three-pole service, see U-Grounding Type MU and SU.

R & S RECEPTACLES, PLUGS AND CONNECTORS

Electrical Products Division — Midland-Ross Corporation

TYPES FS AND FD
TWO, THREE AND FOUR POLE-POLARIZED



No. 3746 No. 3743 No. 3819

WEATHERTIGHT—With Flap Cover

Description Wires	Poles	Receptacle Less Plug Cat. No.	Each	Plug Only Cat. No.	Each	Cable Bushing Hole Dia., In.*
		Cast Alum. Alloy With Iron Box 3702		Cast Alum. Alloy Plug		
		10A. 600V. AC, 15A. 250V. AC—10A. 250V., 20A. 125V. AC or DC.				
2	2	3745	$ 8.35	3818	$ 4.55	⅞
+2	3	3746	8.90	3819	5.05	⅞
3	4	3747	9.45	3820	5.55	1⅛
		20A. 600V. AC—30A. 250V. AC or DC				
2	2	3755	8.35	3828	5.05	⅞
2	3	3756	9.45	3829	6.15	⅞
2	3	*3783	11.10	†4241	10.60	⅞
3	4	3757	10.55	3830	7.25	¾
3	4	*3784	12.20	†4243	12.80	¾
		Cast Brass With Brass Box 3721		Cast Brass Plug		
		10A. 600V. AC, 15A. 250V. AC—10A. 250V., 20A. 125V. AC or DC.				
2	2	3765	$14.45	3818B	$ 5.90	⅞
+2	3	3766	15.00	3819B	6.40	⅞
3	4	3767	15.55	3820B	6.90	1⅛
		20A. 600V. AC—30A. 250V. AC or DC				
2	2	3768	15.00	3828B	6.40	⅞
2	3	3769	16.10	3829B	7.50	⅞
2	3	*3761	17.75	†4241	10.60	⅞
3	4	3770	17.20	3830B	8.60	¾
3	4	*3771	18.85	†4243	12.80	¾

WATERPROOF—With Screw Cap

Description Wires	Poles	Receptacle Less Plug Cat. No.	Each	Plug Only Cat. No.	Each	Plug Cable Bushing Hole Dia., In.*
		Cast Alum. Alloy With Iron Box 3701		Cast Alum. Alloy Plug		
		10A. 600V. AC, 15A. 250V. AC—10A. 250V., 20A. 125V. AC or DC.				
2	2	3742	$8.35	3710	$5.05	⅞
+2	3	3743	8.90	3720	5.55	⅞
3	4	3744	9.45	3730	6.05	1⅛
		20A. 600V. AC—30A. 250V. AC or DC				
2	2	3752	8.35	3740	5.55	⅞
2	3	3753	9.45	3750	6.65	⅞
3	4	3754	10.55	3760	7.75	¾
		Cast Brass With Brass Box 3721		Cast Brass Plug		
		10A. 600V. AC, 15A. 250V. AC—10A. 250V., 20A. 125V. AC or DC.				
2	2	3762	14.45	3710B	6.40	⅞
+2	3	3763	15.00	3720B	6.90	⅞
3	4	3764	15.55	3730B	7.40	1⅛
		20A. 600V. AC—30A. 250V. AC or DC				
2	2	3772	15.00	3740B	6.90	⅞
2	3	3773	16.15	3750B	8.00	⅞
3	4	3774	17.20	3760B	9.10	¾

*Takes same plug as explosion-proof interlocked switch and receptacle units Nos. 4240, 4242 series.
†Enclosures steel, cadmium plated.
Finish — Cast iron, corrosion resisting baked enamel finish. Cast brass, natural finish. Cast aluminum, corrosion resistant copper free alloy, natural finish.
Gang Types—Can be furnished in gang or tandem units and in combination with other R&S type FS and FD devices.

R & S CORD CONNECTORS

TYPE FS — WATERPROOF
TWO, THREE AND FOUR POLE-POLARIZED



No. 3913 Female End

Description	Poles	Cast Alum. Alloy Cat. No.	Each	Cast Brass Cat. No.	Each	Cable Bush. Dia. In.
		10 Amp., 600 Volts, A.C., 15 Amp., 250 Volts A.C. 10 Amp., 250 Volts—20 Amp., 125 Volts, A.C. or D.C.				
2 Wire, 2 Pole		3912	$ 7.30	3912B	$8.65	⅞
+2 Wire, 3 Pole		3913	7.80	3913B	9.15	⅞
3 Wire, 4 Pole		3914	8.30	3914B	9.65	1⅛
		20 Amp., 600 Volts, A.C. — 30 Amp., 250 Volts, A.C. or D.C.				
2 Wire, 2 Pole		3932	7.80	3932B	9.15	⅞
2 Wire, 3 Pole		3933	8.90	3933B	10.25	⅞
3 Wire, 4 Pole		3934	10.00	3934B	11.35	¾

Female end can be furnished with retained screw cap at extra cost.
Plugs and Connectors can be furnished with adapters to accommodate rigid conduit or standard connectors for armored or non-metallic cable or flexible conduit.
Finish — Cast brass and aluminum, natural finish.
Cable bushing regularly furnished. Other hole sizes available if specified on order.
+ Three pole Type FS devices marked "+" are rated 20 Amp., 250 V. A.C., 10 Amp., 500 V A.C. For 125 volt three pole service, see U-Grounding Type FSU.

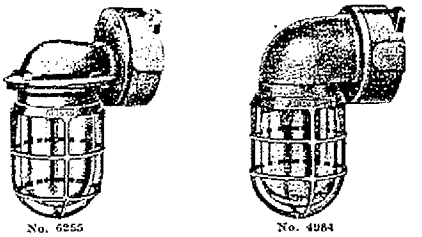
R & S LIGHTING FIXTURES

Electrical Products Division — Midland-Ross Corporation

Vaportight — With Screw Globe

Enclosed and Gasketed Type

TYPE VLB BRACKET FIXTURES



No. 6255 No. 4984

With No. 333 Cast Iron Junction Box*

Max. Lamp Watts	Size Base	No. 6255 Style With Guard Cat. No.	Each	Without Guard Cat. No.	Each
		Cast Aluminum Alloy			
† 60	Med.	^6253A	$12.80	^5152A	$ 9.75
†100	Med.	^ 449A	13.05	^5148A	9.75
†200/300	Med.	6254A	16.65	5153A	12.75
300/500	Mog.	6183A	47.80	6182A	38.90
		Cast Brass			
† 60	Med.	^6250	18.75	^5149	15.15
†100	Med.	^6255	18.90	^5154	15.30
†200/300	Med.	1426	29.45	5125	22.20
300/500	Mog.	6193	78.10	6192	67.00

*Can be furnished with cast brass junction box at additional cost, if specified on order.
†Lampholders—Can be furnished with shock and vibration-proof lampholder No. 116 at additional cost. When so required suffix "SV" to catalog number.
^Switch—Can be furnished with externally operated switch at additional cost—suffix "SW" to catalog number.

TYPE ELH PORTABLE HAND LAMP
HOOK TYPE



No. 4585

Maximum Lamp Size 200 Watts

Cat. No.	Description	Cable Dia.	Each
4585	Complete Portable	.450"	$63.90
4586	Half Shade Only		3.35

Cable grip regularly furnished will accommodate 3 conductor No. 16 Type S Cord. Cable grips for other size cords will be furnished at same price if specified on order. ⅝-inch maximum.

Enclosure — Non-sparking — Cast aluminum alloy, natural finish with fibre handle and clear globe.
Guard—Non-sparking—Cast aluminum alloy, natural finish.
Slide—Aluminum, anodized finish. Not included in portable price.
Wiring—Heat resisting wire leads, factory sealed, for connection to three conductor cord.

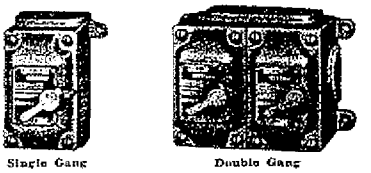
R & S HEAVY DUTY TUMBLER SWITCHES

Electrical Products Division of Midland-Ross Corporation

TYPE EFS — FOR SURFACE MOUNTING

Explosion-Proof and Dust-Tight

Class I, Groups C and D
Class II, Groups E, F and G

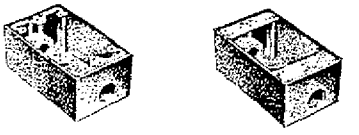


Single Gang Double Gang

Rating Amperes A.C. 125V.	D.C. 250V.	Single Gang Cat. No.	Each	Double Gang Cat. No.	Each
		1-Pole Switches			
10T	5	4411	$12.00	4421	$24.00
20T	20	4411S2	13.00	4421S2	26.00
30T	30	4411S3	14.00	4421S3	28.00
		2-Pole Switches			
10T	10	4412	14.00	4422	28.00
20T	20	4412D2	14.50	4422D2	29.00
30T	30	4412D3	17.00	4422D3	34.00
		3-Way Switches			
10T	5	4414	13.50	4424	27.00
20T	20	4414T2	14.25	4424T2	28.50
30T	30	4414T3	16.50	4424T3	33.00
		4-Way Switches			
10T	5	4415	22.00	4425	44.00
20T	10	4415F2	29.00	4425F2	58.00
		3-Pole Switches			
20	20	4413	25.50	4423	51.00
30	30	4413T3	33.50	4423T3	67.00

BELL WIRING DEVICES

MOISTUREPROOF, CAST ALUMINUM BELL BOXES

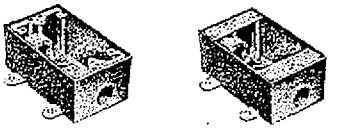


No. 250 Standard No. 270 Universal

Rugged, all-purpose junction box; new design allows 20% more wiring room. Easy entrance, ends or back, through threaded internal hubs. Size: 2¾" x 4½" x 2" deep. Std. Box for Bell Weatherproof covers, all devices; Univ. Box for all covers; provides superior device mtg. Ctn. 1, std. pkg. 50.

No. of Outlets	Std. Bell Boxes Cat. No	Each	50 Each	Univ. Bell Boxes Cat. No.	Each	50 Each
2—½"	247	$1.40	$1.24	278	$1.58	$1.40
3—½"	250	1.49	1.32	270	1.67	1.48
4—½"	251	1.85	1.64	271	2.03	1.80
5—½"	249	2.21	1.96	272	2.39	2.12
2—¾"	248	1.58	1.40	279	1.75	1.56
3—¾"	252	1.67	1.48	273	1.85	1.65
4—¾"	253	2.30	2.04	274	2.48	2.20
5—¾"	254	2.75	2.44	275	2.93	2.60

LUG-TYPE BELL BOXES



No. 250-L Standard No. 270-L Universal

Same rugged, die-cast boxes as above but with adjustable, detachable, surface-mounting lugs. Lugs also act as spacers to prevent moisture accumulation at back. Mounts in any of 8 different lug positions. Ctn. 1, std. pkg. 50.

No. of Outlets	Std. Bell Boxes Cat. No	Each	50 Each	Univ. Bell Boxes Cat. No.	Each	50 Each
2—½"	247-L	$1.49	$1.32	278-L	$1.67	$1.48
3—½"	250-L	1.58	1.40	270-L	1.76	1.56
4—½"	251-L	1.94	1.72	271-L	2.12	1.98
5—½"	249-L	2.30	2.04	272-L	2.48	2.20
2—¾"	248-L	1.67	1.48	279-L	1.85	1.64
3—¾"	252-L	1.76	1.56	273-L	1.94	1.72
4—¾"	253-L	2.39	2.12	274-L	2.57	2.28
5—¾"	254-L	2.84	2.52	275-L	3.02	2.68



TWO-GANG MOISTURE-PROOF BELL BOXES

Rugged, Cast Aluminum

"Universal" Style

The ideal junction box. Posts accept most std. covers, plates; seats all devices firmly without rocking. Heavy walls, threaded screw holes, hubs. Size: 4½" x 4½" x 2" deep. Ctn. 1, std. pkg. 10.

No. of ½" Outlets	Cat. No.	Each	10 Each	No. of ¾" Outlets	Cat. No.	Each	10 Each
3	276-3	$2.88	$2.56	3	277-3	$2.97	$2.64
4	276-4	3.42	3.04	4	277-4	3.78	3.36
5	276-5	3.78	3.36	5	277-5	4.14	3.68
6	276-6	4.14	3.68	6	277-6	4.50	4.00
7	276-7	4.50	4.00	7	277-7	4.86	4.32

WEATHERPROOF FLUSH SWITCHES



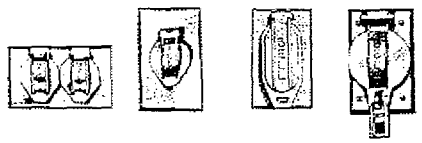
One-piece die-cast lever and .040 solid brass plate, both finished in aluminum enamel. Switch is "T" rated (5A, 250V — 10A, 125V) and is available S.P., D.P., 3-way and 4-way as listed. Ctn. 1, std. pk. one-gang, 50; two-gang, 10.

Cat. No.	Type Switch	Each	50 Each
216	1-gang, S.P.	$1.78	$1.58
216–20	1-gang, S.P.(20A)	2.70	2.40
217	1-gang, D.P.	2.66	2.36
217–20	1-gang, D.P.(20A)	3.74	3.32
218	1-gang, 3-way	2.12	1.89
218–20	1-gang, 3-way(20A)	3.24	2.88
218–4	1-gang, 4-way	4.59	4.08
232	2-gang, two S.P.	3.56	3.17
232–2W	2-gang, two 3-way	4.25	3.78

All Weatherproof Devices, Boxes available in new Marine Green finish at no extra cost. Add "3" in front of Cat. Nos. to get "Marine Green."

BELL WIRING DEVICES

WEATHERPROOF SAF-T-LOCK COVERS, DEVICES



No. 245 No. 224-V No. 223-V No. 360

Snap cover locks in open position for easy, one-hand insertion of plug; cover closes weathertight with just a touch. For outdoor, indoor use. Plate is .040 solid brass, cover is cast metal — both aluminum finished. All parts rustproof. Complete with rubber weatherproof mat, gasket, mtg. screws. Ctn. 1, std. pkg. 50.

Cat. No.	Description	Each	50 Each
245	Cover only, for Duplex Recp.	$1.80	$1.60
243-G	Cover, Duplex Grnd. Recp.	2.39	2.12
224-V	Cover only, for Single Recp. or switch	1.53	1.36
224-H	Same as above only horizontal	1.53	1.36
224-VG	Cover, Single Grnd. Recp.	2.31	2.06
210-HG	Same as above only horizontal	2.31	2.06

Tamperproof Type Can Be Padlocked

		Each	50 Each
223-V*	Cover only, for Duplex Recp.	$1.80	$1.60
220-V*	Cover, Duplex Grnd. Recp.	2.39	2.12
223-2-V*	2-gang Cover only	3.96	3.52
223-3-V*	3-gang Cover only	6.08	5.40
	*Add suffix "Lock" for small heavy duty padlock	1.17	1.04

Power Outlet Cover With Cast Plate

360	Cover only, for Pwr. Outlet Recp. or any switch	3.15	2.80

*If padlock desired, order from above listing.

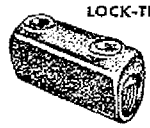
Weatherproof Blank Covers

240-BR	1-gang, .040 brass	0.72	0.64
240-AL	1-gang, .040 alum.	.45	.40
236	2-gang, .040 brass	.90	.80

T & B LOCKTITE® LUGS AND CONNECTORS

Listed by Underwriters' Laboratories

LOCK-TITE 2-WAY CONNECTORS



Seven connectors splice all cables No. 4 to 1,000,000 CM. Each connector takes a wide range of cable sizes and all types of conductors. Quickly installed with key wrench.

Cat. No.	Cable Size	Ctn.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
32503	14 Sol. to 8 Sol.	10	50	$340.80	$266.25
32505	8 to 6 Sol. or Str.	5	25	361.60	282.50
32507	4 Sol. to 1 Str.	5	25	400.00	312.50
32509	1 Sol. to 2/0	5	25	600.00	468.75
32511	2/0 to 4/0	2	10	867.20	677.50
32513	4/0 to 300 MCM	2	10	1361.60	1063.65
32515	300 to 500 MCM	1	5	.....	1600.00
32517	500 to 750 MCM	1	5	.....	2587.50
32519	750 to 1000 MCM	1	5	.....	3037.50

T & B LUG-IT® FOR COPPER OR ALUMINUM STRANDED OR SOLID WIRE



Listed by Underwriters' Laboratories

Cat. No.	Wire Range Min.	Wire Range Max.	Bolt Size	Ctn.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
35301	14	6	#10	100	500	$32.96	$25.75
35401	8	2	¼	50	250	43.04	33.63
35501	4	2/0	¼	20	100	88.80	69.38
35601	1/0	4/0	⅜	10	50	200.00	156.25

T & B CONE SCREW LUGS



Cat. No.	Wire Size	Std. Pkg.	Per 100 Less Std. Pkg.	Std. Pkg.
71003	14 to 8	100	$25.75	$20.60
71005	14 to 4	100	34.63	27.70
71010	4 to 2/0	50	82.13	65.70
71014	2 to 4/0	25	156.25	125.00
71015	1 to 250	25	161.25	129.00
71020	2/0 to 500	18	373.75	299.00

T & B LOCKTITE® LUGS AND CONNECTORS

Listed by Underwriters' Laboratories

LOCK-TITE LUGS



Each lug is one-piece design. Uniform pressure all around provides direct contact and high conductivity. Install with key wrench.

One Bolt Hole Tongue

Cat. No.	Description	Each	Per 100 Ctn.	Pkg.
31003	14 Sol. to 8 Sol.	$1.57	$122.50 (20)	$98.00 (100)
31005	8 Sol. to 4 Str.	1.95	152.50 (10)	122.00 (50)
31007	4 Sol. to 1 Str.	2.74	213.75 (5)	171.00 (25)
31009	1 Sol. to 2/0	4.30	336.25 (2)	269.00 (10)
31011	2/0 to 4/0	5.84	456.25 (2)	365.00 (10)
31013	4/0 to 300	7.34	573.75 (1)	459.00 (5)
31015	300 to 500	11.34	886.25 (1)	709.00 (5)
31017	500 to 750	.....	1525.00 (1)	1220.00 (5)
31019	750 to 1000	.....	1750.00 (1)	1400.00 (5)

NEMA—Two Bolt Hole Tongue

32207	4 Sol. to 1 Str.	$3.55	$277.50 (10)	$222.00 (50)
32209	1 Sol. to 2/0	5.04	393.75 (5)	315.00 (25)
32211	2/0 to 4/0	6.67	521.25 (2)	417.00 (10)
32213	4/0 to 300	8.78	686.25 (2)	549.00 (10)
32215	300 to 500	12.91	1008.75 (1)	807.00 (5)
32217	500 to 750	.....	1650.00 (1)	1320.00 (5)
32219	750 to 1000	.....	1937.50 (1)	1550.00 (5)

LOCK-TITE CONNECTORS FOR ALL COPPER CABLES



Double Barrel Lug



Triple Barrel Lug

Cat. No.	Description	Each	Per 100 Ctn.	Pkg.
	Double Barrel—2 Bolt Holes			
32007-BD	4 Sol. to 1 Str.	$8.14	$636.25 (2)	$509.00 (10)
32009-BD	1 Sol. to 2/0	11.78	920.00 (2)	736.00 (10)
32011-BD	2/0 to 4/0	15.39	1202.50 (1)	962.00 (5)
32013-BD	4/0 to 300	.....	1612.50 (1)	1290.00 (5)
32015-BD	300 to 500	.....	2325.00 (1)	1860.00 (5)
	Double Barrel—4 Bolt Holes			
32017-BD	500 to 700	.....	3650.00 (2)	2920.00 (2)
32019-BD	750 to 1000	.....	4600.00 (2)	3680.00 (2)
	Triple Barrel—2 Bolt Holes			
32007-TB	4 Sol. to 1 Str.	12.69	991.25 (2)	793.00 (10)
32009-TB	1 Sol. to 2/0	18.24	1425.00 (1)	1140.00 (5)
32011-TB	2/0 to 4/0	.....	1875.00 (1)	1500.00 (5)
32013-TB	4/0 to 300	.....	2325.00 (1)	1860.00 (5)
	Triple Barrel—4 Bolt Holes			
32015-TB	300 to 500	.....	3625.00 (1)	2900.00 (2)
32017-TB	500 to 750	.....	5487.50 (1)	4390.00 (2)
32019-TB	750 to 1000	.....	7075.00 (1)	5660.00 (2)

T & B HINJON® JUNIOR TEE-PARALLEL TAP-INS



Cat. No.	Main	Branch	Ctn.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
35107	8-4	14-8	5	25	$379.20	$296.25
35108	8-4	8-4	5	25	396.80	310.00
35109	4-1/0	14-4	5	25	441.60	345.00
35110	4-1/0	4-1	5	25	523.20	408.75
35111	1/0-4/0	14-4	5	25	632.00	493.75
35112	1/0-4/0	8-1	2	10	680.00	531.25
35114	4/0-300M	8-1	2	10	776.00	606.25
35116	300/500M	8-1	2	10	1174.40	917.50
35118	500-750M	14-1	1	5	.....	1178.75
35120	750-1000M	14-1	1	5	.....	1625.00



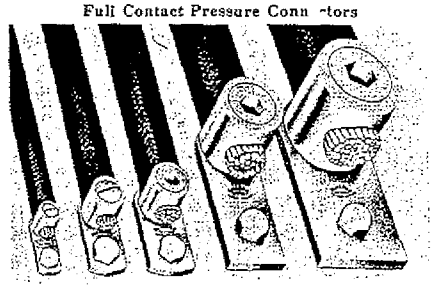
T & B LOCKTITE® TEE-PARALLEL TAPS

These fittings can be used as either a tee or parallel tap two-way connector, or elbow. Each tap has a wide range of cable sizes. The one-piece design—no detachable parts — allows easy assembly to main and branch.

Cat. No.	Max. Main	Branch	Ctn.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
35003	4/0	2-1	2	10	$680.00	$531.25
35005	4/0	1/0-4/0	2	10	867.20	677.50
35007	300M	2-1/0	2	10	867.20	677.50
35009	300M	2/0-300M	2	10	1132.80	885.00
35011	500M	2-3/0	2	10	1310.40	1023.75
35013	500M	4/0-500M	1	5	.....	1400.00
35015	750M	2-3/0	1	5	.....	1637.50
35017	750M	4/0-500M	1	5	.....	2087.50
35019	750M	500-750M	1	5	.....	2125.00

SOLDERLESS LUGS

Full Contact Pressure Connectors



Uniform compression clamps the entire surface of the wire.

I-T-E Cat. No.	Blackburn Cat. No.	Max. Wire Size	Std. Pkg.	Each
3021	L-70	4	100	$0.33
3031	L-125	1	50	.44
3041	L-250	4/0	25	.88
3052	L-400	500M	10	2.31
3062	L-650	1000M	6	6.60

ALLEN WRENCHES

For Above

Cat. No.	For Lug Nos.	Each
303SW	3031, 3041	$0.30
306SW	3052, 3062	.50

No. 3021 can be tightened with a screwdriver.

SQUARE D SOLDERLESS LUGS



UL listed as suitable for aluminum or copper. Kits include spring washers.

Packing: AL-100 and AL-200 — 3 to kit.
AL-300 and AL-400 — 1 to kit.

Cat. No.	Description	Per Kit
AL-100	1-wire for #12-#1/0 (cu)	$1.65
AL-200	1-wire for #6-#1/0 (cu-al)	2.31
AL-300	1-wire for #1/0-500MCM (cu-al)..	2.15
AL-400	2-wire for #2/0-500MCM (cu-al)..	5.75

SHERMAN SOLDERING LUGS



Side formed round end up to 250,000. Larger sizes square end. Seamless N.E.C. Standard Rating.

Amps.	Size 1 m.	Wire Size	Std. Pkg.	Per 100 Less Std. Pkg.	Std. Pkg.
25	3/16	10	250	$ 4.80	$ 3.00
35	1/4	8	200	5.85	3.65
50	5/16	6	200	8.95	5.60
70	3/8	4	100	10.60	6.65
90	7/16	2	100	15.40	9.65
125	1/2	0	100	20.70	12.95
150	9/16	00	100	25.80	16.15
175	5/8	000	100	32.60	20.35
225	11/16	0,000	100	41.90	26.20
250	13/16	250,000CM	50	80.00	50.00
325	15/16	400,000	25	118.50	74.35
362	1	450,000	25	143.80	90.00
400	1-1/16	500,000	25	173.00	117.05
450	1-1/8	600,000	5	199.00	124.20
550	1-5/16	800,000	5	320.00	200.15
650	1-7/16	1,000,000	5	363.00	226.75

T & B COMPRESSION CONNECTORS
FOR COPPER CABLE


1-Hole Lug


2-Hole Lug


2-Way Connector

Color-Keyed — U.L. Listed

Cat. No.	Cable Size	Bolt Size	Ctn.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
1-Hole Lugs						
54104*	8	10	50	500	$26.27	$20.88
54105*	6	¼	50	500	29.28	22.88
54106*	4	¼	50	500	38.72	30.25
54107*	2	¼	25	250	74.24	58.00
54108*	1	¼	20	200	79.52	62.13
54109*	1/0	⅜	10	100	83.52	65.25
54110*	2/0	⅜	10	100	98.80	76.63
54111*	3/0	⅜	10	100	116.32	90.88
54112*	4/0	⅜	10	100	132.48	103.50
54113*	250	½	10	100	154.80	120.38
54114*	300	½	10	100	177.60	138.75
54116*	400	½	6	60	219.20	171.25
54118*	500	½	6	60	268.80	210.00
2-Hole Lugs						
54204*	8	10	50	500	62.24	48.63
54205*	6	¼	50	500	81.60	63.75
54206*	4	¼	50	500	87.04	68.00
54207*	2	¼	25	250	103.04	80.50
54208*	1	¼	20	200	113.76	88.88
54255	1/0	⅜	10	100	127.84	99.88
54209*	1/0	⅜	10	100	127.84	99.88
54210*	2/0	⅜	10	100	132.80	103.75
54260*	2/0	½	10	100	144.96	113.25
54211*	3/0	⅜	10	100	166.40	130.00
54265*	3/0	½	10	100	177.60	138.75
54212*	4/0	⅜	10	100	177.60	138.75
54270*	4/0	½	10	100	192.00	150.00
54213*	250	⅜	10	100	200.00	156.25
54275*	250	½	10	100	214.40	167.50
54214*	300	⅜	10	100	246.40	192.50
54280*	300	½	10	100	267.20	208.75
54215*	350	⅜	10	100	259.20	202.50
54282*	350	½	10	100	278.40	217.50
54216*	400	⅜	6	60	304.00	237.50
54218*	500	⅜	6	60	376.00	293.75
54286*	500	½	6	60	403.20	315.00
2-Way Connectors						
54504*	8	....	50	500	37.92	29.63
54505*	6	....	50	500	65.92	51.50
54506*	4	....	50	500	78.40	61.25
54507*	2	....	25	250	95.04	74.25
54508*	1	....	20	200	113.44	88.63
54509*	1/0	....	10	100	124.32	97.13
54510*	2/0	....	10	100	132.48	103.50
54511*	3/0	....	10	100	153.12	119.63
54512*	4/0	....	10	100	164.80	128.75
54513*	250	....	10	100	185.60	145.00
54514*	300	....	10	100	209.60	163.75
54515*	350	....	10	100	216.00	168.75
54516*	400	....	6	60	267.20	208.75
54518*	500	....	6	60	328.00	256.25

*Color-keyed.

T & B METHOD COLOR-KEYED® COMPRESSION JOINTS
FOR COPPER CABLES ONLY



These compression joints offer an ideal method of pigtailing or tapping multiple conductors or for making a 2-way splice.

Cat. No.	2-Wire Comb.	Color	Ctn.	Std. Pkg.	Per 100 Ctn.	Per 100 Pkg.
54610	10	Blue	20	200	$34.72	$27.13
54615	8	Grey	20	200	36.64	28.63
54620	6	Brown	10	100	48.96	38.25
54625	5	Green	10	100	53.28	41.63
54630	4	Pink	10	100	64.80	50.63
54635	3	Black	10	100	81.60	63.75
54640	2	Orange	5	50	93.92	73.38
54645	1	Purple	5	50	102.56	80.13
54650	1/0	Yellow	5	50	122.24	95.50

T & B COMPRESSION TOOLS
FOR INSTALLING COLOR-KEYED® CONNECTORS



TBM-5 Consists of case, cleaning brush, tool and three dies — for 8 to 2 AWG cable, 1 to 3/0 AWG cable and 4/0 to 250 MCM Cable ..... each $60.00

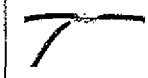
TBM-5S Same as TBM-5 except has Shure-Stake feature..... each 80.00

TBM-8 Hand Tool. Includes die for Red, Blue, Grey, and Brown connectors. Other dies available. ..... each 125.00

TBM-8S Same as TBM-8 except has Shure-Stake feature ..... each 145.00

TBM-2 Sure-Squeezer® Action Hand Tool with Color-Keyed® Dial for Red, Blue, Green, and Brown Conn. ..... each 30.00

T & B COLOR-KEYED® COMPRESSION "C" TAPS



FOR CODE COPPER CONDUCTORS

Listed by Underwriters' Laboratories



These one-piece Color-Keyed taps assure positive, all around compression with low resistance and high pull out features. Made of high conductive wrought copper. Installing tool TBM8.

Cat. No.	2-Wire Comb.	Color	Std. Pkg.	Per 100 Less Std. Pkg.	Per 100 Std. Pkg.
54710	10	Blue	100	$21.75	$17.40
54715	8	Grey	100	23.88	19.10
54720	6	Brown	100	28.75	23.00
54725	5	Green	100	36.38	29.10
54730	4	Pink	100	41.38	33.10
54735	3	Black	100	50.63	40.50
54740	2	Orange	50	60.63	48.50
54745	1	Purple	25	67.75	54.20
54750	1/0	Yellow	25	72.25	57.80

T & B STA-KON® TERMINALS

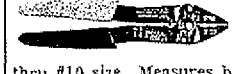
NYLON SELF-INSULATED — INSULATION GRIP


Ring Tongue Spade Tongue

Ring Tongue Sta-Kon Terminals
For Use with Stock Tool WT-100M, WT-152 WT-145A or WT-1000

Cat. No.	Max. In.	Bolt Hole	Ctn.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
Wire Range: 22-16 Red						
RA18-4	.136	4	100	500	$12.64	$9.88
RA18-6	.136	6	100	500	12.64	9.88
RA18-8	.136	8	100	500	12.64	9.88
RA18-10	.136	10	100	1000	12.64	9.88
RA18-14	.136	¼	100	500	14.08	11.00
Wire Range: 16-14 Blue						
RB14-4	.162	4	100	500	12.64	9.88
RB14-6	.162	6	100	500	12.64	9.88
RB14-8	.162	8	100	2000	12.64	9.88
RB14-10	.162	10	100	2000	12.64	9.88
RB14-14	.162	¼	100	500	14.08	11.00
Wire Range: 12-10 Yellow						
RC10-6	.210	6	50	500	15.52	12.13
RC10-8	.210	8	50	500	15.52	12.13
RC10-10	.210	10	50	2000	15.52	12.13
RC10-14	.210	¼	50	500	16.80	13.13
RC10-516	.210	⅜	50	500	16.80	13.13
RC10-38	.210	⅜	50	500	16.80	13.13
Wire Range: 22-16 Red						
RA18-6F	.136	6	100	2000	12.64	9.88
RA18-8F	.136	8	100	500	12.64	9.88
RA18-10F	.136	10	100	500	12.64	9.88
RA18-14F	.136	¼	100	500	14.08	11.00
Wire Range: 16-14 Blue						
RB14-6F	.162	6	100	2000	12.64	9.88
RB14-8F	.162	8	100	2000	12.64	9.88
RB14-10F	.162	10	100	2000	12.64	9.88
RB14-14F	.162	¼	100	500	14.08	11.00
Wire Range: 12-10 Yellow						
RC10-6F	.210	6	50	500	15.52	12.13
RC10-8F	.210	8	50	500	15.52	12.13
RC10-10F	.210	10	50	1000	15.52	12.13
RC10-14F	.210	14	50	500	16.80	13.13

STA-KON® HAND TOOLS



Stakes insulated and bare Sta-Kon terminals, splices and wire joints. Cuts bolts up thru #10 size. Measures bolt lengths. Chases and cleans bolt threads. Cuts wires, stranded and solid. Closes insulation grip ears. Strips stranded and solid wires #22 to #10 sizes.

Cat. No.	Installs Terminals For Wire Sizes	Color of Handle	Std. Pkg.	Each
WT-1000	A, B, C, AB, PT, RA, RB, RC			$7.50
WT-100M	#22—#10	Black & Orange	1	7.50
WT-110M	A, B, C	Green	1	8.50
WT-111M	A, B, C, PT	Red	1	6.50
WT-115A	D, E, F, G	Black	1	30.00
WT-161	A, B, C, PT.....	Blue	1	9.25
WT145A	RA, RB, RC, RAA, RBB, RCC	Black	1	*

*Price on Application

T & B STA-KON® TERMINALS


A—Size U.L. Listed for No. 18 Wire, B—Size for No. 18-14 Wire

Standard Series—For use with Stock Tool No. WT-100M, No. WT-111M and No. WT-1000.

Cat. No.	Wire Range	Bolt Hole	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
A18-4	22–18	4	500	$5.60	$4.38
A18-6		6	1000	5.60	4.38
A18-8		8	1000	5.60	4.38
A18-10		10	1000	5.60	4.38
A18-14		¼	500	7.36	5.75
B14-4	20–14	4	500	5.60	4.38
B14-6		6	2000	5.60	4.38
B14-8		8	2000	5.60	4.38
B14-10		10	5000	5.60	4.38
B14-14	Ctn.: 100.	¼	500	7.36	5.75
C10-6	16–10	6	500	7.68	6.00
C10-8		8	1000	7.68	6.00
C10-10		10	5000	7.68	6.00
C10-14		¼	2000	8.64	6.75
C10-516		⅜	500	8.64	6.75
C10-38	Ctn.: 50.	⅜	500	8.64	6.75

Standard Series — For Use with Stock Tool No. WT-115A

D8-10	9–8–7	10	500	22.08	17.25
D8-14		¼	500	22.08	17.25
D8-516		⅜	500	22.08	17.25
D8-38	Ctn.: 25.	⅜	500	22.08	17.25
E6-10	6–5	10	200	24.64	19.25
E6-14		¼	200	24.64	19.25
E6-516		⅜	200	24.64	19.25
E6-38		⅜	200	24.64	19.25
F4-10	4–3	10	200	32.32	25.25
F4-14		¼	200	32.32	25.25
F4-516		⅜	200	32.32	25.25
F4-38	Ctn.: 20.	⅜	200	32.32	25.25
G2-14	2	¼	100	62.24	48.63
G2-516		⅜	100	62.24	48.63
G2-38	Ctn.: 10.	⅜	100	62.24	48.63

STA-KON® SPADE TONGUE TERMINALS



UL Listing—AWG B Size #20-#14 Str. #20-#16 Sol. C Size #16-#10. Install with WT-100M, WT-105M WT-111M or WT-1000 Tool.

Cat. No.	Wire Range	Bolt Hole	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
B14-6F	20–16	6	5000	$5.60	$4.38
B14-8F		8	5000	6.24	4.88
B14-10F		10	5000	5.60	4.38
B14-14F	Ctn.: 100.	¼	500	7.36	5.75
C10-6F	16–10	6	500	7.68	6.00
C10-8F		8	500	7.68	6.00
C10-10F		8	5000	7.68	6.00
C10-14F	Ctn.: 50.	¼	500	8.64	6.75

Non-insulated. Install with WT-100M or WT-1000 tool.



STA-KON® LOCKING SPADE TERMINALS

Cat. No.	Wire Range	Bolt Hole	Ctn.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
A18-6FL	22-18	#6	100	500	$6.40	$5.00
A18-8FL	22-18	#8	100	500	6.40	5.00
A18-10FL	22-18	#10	100	500	6.40	5.00
B14-6FL	16-14	#6	100	500	6.40	5.00
B14-8FL	16-14	#8	100	500	6.40	5.00
B14-10FL	16-14	#10	100	500	6.40	5.00
C10-6FL	12-10	#6	50	500	8.64	6.75
C10-8FL	12-10	#8	50	500	8.64	6.75
C10-10FL	12-10	#10	50	500	8.64	6.75
C10-14FL	12-10	¼"	50	500	10.40	8.13

Non-insulated. Installing Tools: WT110, WT111, WT30, WT100M and WT1000

STA-KON FLAG TERMINALS

AB14-6A	20-14	#6	500	$7.36	$5.75
AB14-8A	20-14	#8	500	7.36	5.75
AB14-10A	20-14	#10	500	7.36	5.75
	Ctn.: 100.				
C10-6A	16-10	#6	500	9.28	7.25
C10-8A	16-10	#8	500	9.28	7.25
C10-10A	16-10	#10	500	9.28	7.25
	Ctn.: 50.				

BURNDY ELECTRICAL CONNECTORS



HYLUG ®

Made of one-piece pure copper, tin-plated for additional protection against corrosion. Installed with compression type tooling.

Packaged in new see-through, snap-out window dispenser box that is easy to open and reseals completely with positive snap action. Wire, connector and stud sizes clearly marked on every box.



HYLUG®
Type YAV

Cat. No.	Conductor Sizes Commercial AWG	Screw Sizes	Less Ctn.	Per 100 Ctn.
Installed with Hytool No. Y10M or Y14MV				
				50
YAV18–T5	#22–#18 Sol.	4—6	$5.12	$4.00
YAV18	#22–#18 Str.	8—10	5.12	4.00
				100
YAV14–T5		4—6	5.12	4.00
YAV14	#20–#12 Sol.	8—10	5.12	4.00
YAV14–T2	#20–#14 Str.	¼	6.88	5.38
				50
YAV10–T7		4—6	7.20	5.63
YAV10		8—10	7.20	5.63
YAV10–T3	#11–#9 Sol.	¼	8.16	6.38
YAV10–T2	#12–#10 Str.	⅜	8.16	6.38
YAV10–T4		⅜	8.16	6.38
Installed with Hytool No. MR4C, MY29-3 or Y34A				
YAV8C–L, YAV8C–L1, YAV8C–L2, YAV8C–L3	#8 Str.	8—10	18.88	14.75
		¼	18.88	14.75
		⅜	18.88	14.75
		⅜	18.88	14.75



Type YA-L

Cat. No.	Conductor Sizes Commercial AWG	Screw Sizes	Less Ctn.	Per 100 Ctn.
Installed with Hytool No. MR4C, MY29-3 or Y34A				
				50
YA6C–L, YA6C–L3	#6 Str.	¼	$24.29	$21.13
		⅜	24.29	21.13
YA4C–L, YA4C–L4	#4 Str.	¼	32.34	28.13
		⅜	32.34	28.13
Installed with Hytool No. MY29-3 or Y34A				
				25
YA2C–L2, YA2C–L, YA2C–L4	#2 Str.	¾	62.10	54.00
		⅜	62.10	54.00
		⅜	62.10	54.00
				10
YA1C–L	#1 Str.	⅜	57.75	46.20
YA25–L, YA25–L4	1/0 Str.	⅜	69.79	60.69
		⅜	69.79	60.69
YA26–L	2/0 Str.	⅜	82.15	71.44
YA27–L4	3/0 Str.	⅜	97.24	84.56
YA28–L4	4/0 Str.	⅜	110.83	96.38
YA29–L	250 Mcm.	½	128.86	112.06
Installed with Hytool No. Y34A				
YA30–L	300 Mcm.	½	149.43	129.94
YA31–L	350 Mcm.	½	155.60	135.31
YA32–L	400 Mcm.	⅝	183.64	159.69
YA34–L	500 Mcm.	⅝	223.53	194.38

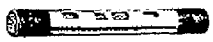
ALUMINUM HYLUG



Type YA-A-TN

Cat. No.	Conductor Aluminum Cable	Screw Sizes	Less Ctn.	Per 100 Ctn.
				200
YA12WA-TN	12 Sol.	12	$53.91	$46.88
YA12A-TN	12 Str.	10	53.91	46.88
				100
YA10WA-TN	10 Sol.	10	59.51	51.75
YA10A-TN	10 Str.	10	59.51	51.75
YA8CA-TN	8 Str.	¼	64.40	56.00
				50
YA6CA-TN	6 Str.	¼	82.15	71.44
YA4CA-TN	4 Str.	⅜	86.18	74.94
				25
YA2CA-TN	2 Str.	⅜	100.98	87.81
				10
YA1CA-TN	1 Str.	⅜	125.78	109.38
YA25A-TN	1/0 Str.	⅜	139.65	121.44
YA26A-TN	2/0 Str.	½	184.43	160.38
YA27A-TN	3/0 Str.	½	248.11	215.75
YA28A-TN	4/0 Str.	½	285.99	248.69
YA29A-TN	250 Mcm.	½	296.34	257.69
YA30A-TN	300 Mcm.	⅝	329.18	286.25
YA25A-2TN	1/0 Str.	⅜	.....	149.31
YA26A-2NTN	2/0 Str.	½	.....	221.25
YA27A-2NTN	3/0 Str.	½	.....	277.25
YA28A-2NTN	4/0 Str.	½	.....	296.69
YA29A-2NTN	250 Mcm.	½	.....	302.75
YA30A-2NTN	300 Mcm.	½	.....	311.69
YA31A-2NTN	350 Mcm.	½	.....	319.25
YA32A-2NTN	400 Mcm.	½	.....	446.56
YA34A-2NTN	500 Mcm.	½	734.13	638.38
				11
YA36A-2NTN	600 Mcm.	½	.....	681.88
YA39A-2NTN	750 Mcm.	½	808.23	702.81
YA40A-2NTN	800 Mcm.	½	.....	716.25
YA44A-2NTN	1000 Mcm.	½	.....	1075.94
YA46A-2NTN	1500 Mcm.	½	.....	1934.94
YA48A-2NTN	2000 Mcm.	½	.....	2493.44

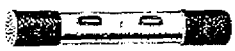
HYLINK®



Type YSV

Cat. No.	Conductor Sizes Commercial AWG		Less Ctn.	Per 100 Ctn.
Installed with Hytool No. Y10M or Y14MV				
YSV18	#22–#18 Sol.	#22–#18 Str.	$6.40	$5.00
YSV14	#20–#12 Sol.	#20–#14 Str.	6.40	5.00
YSV10	#11–# 9 Sol.	#12–#10 Str.	8.64	6.75
Installed with Hytool No. MR4C or MY29-3				
YSV8C–L		#8 Str.	18.88	14.75

HYLINK



Type YS-L

Cat. No.	Conductor Sizes Commercial AWG	Quantity Ctn.	Quantity Pkg.	Less Ctn.	Per 100 Ctn.
Installed with Hytool No. MR4C, MY29-3 or Y34A					
YS6C–L	#6 Str.	50	500	$55.06	$47.88
YS4C–L	#4 Str.	50	500	65.55	57.00
Installed with Hytool No. MY29-3 or Y34A					
YS2C–L	#2 Str.	25	250	79.63	69.25
YS1C–L	#1 Str.	10	100	74.87	82.50
YS25–L	1/0 Str.	10	100	104.14	90.56
YS26–L	2/0 Str.	10	100	110.83	96.38
YS27–L	3/0 Str.	10	100	127.86	111.19
YS28–L	4/0 Str.	10	100	138.57	120.50
YS29–L	250 Mcm.	6	60	154.24	134.13
Installed with Hytool No. Y34A					
YS30–L	300 Mcm.	6	60	175.15	152.31
YS31–L	350 Mcm.	6	60	181.19	157.56
YS32–L	400 Mcm.	6	60	221.52	192.63
YS34–L	500 Mcm.	6	60	274.49	238.69

BURNDY INSTALLATION TOOLS

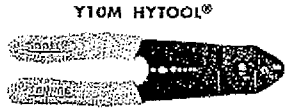
Y10D HYTOOL®



The Hytool compresses Hydent connections on wire sizes #22 thru #10. Weight: 11 oz., Length: 9¾".

Y10D Hytool ..... each $6.00

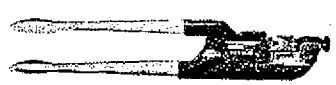
Y10M HYTOOL®



Light, powerful and easy to use, this Hytool cuts wire, strips insulation, compresses Hydent connections on wire sizes #22 thru #10. Tool also closes insulation grips, and has effective bolt and thread-chaser. Weight: 10½ oz., Length: 9¾".

Y10M Hytool ..... each $6.95

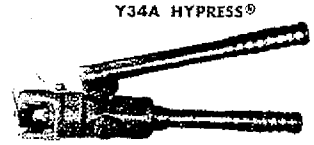
MY29-3 HYTOOL



Sturdy steel, universal, hand-operated Hytool for installing Hydent connectors. Accommodates range of copper conductor #8 str. to 250 Mcm. Aluminum conductor range accommodates #8 Str. to 4/0 Str. No removable dies required. Indexing plate located on side of tool is used for setting adjustable nest die to correct position for each assembly. Weight: 6½ lbs.

MY29-3 Hytool ..... each $55.00

Y34A HYPRESS®



Portable, manually operated, neoprene insulated, hydraulic Hypress for installing connectors on #6 Str. through 500 Mcm. copper cable. Develops 18,000 lbs. Depth of indention automatically controlled. Supplied with metal carrying case. Separate nest die required to install each conductor size. Dies must be ordered separately. Weight: 9 lbs. Length: 18⅝".

Y34A Hypress ..... each $249.50

Y34PR Indenter with Nest Die ..... each 25.00

VINYLUG TERMINALS — VINYLINK SPLICES

These VINYLUG terminals and VINYLINK splices accommodate wire sizes ranging from 22 through 10 and can be used in commercial and industrial applications.

VINYLUG barrel and tongue are stamped from one piece of pure copper (100% conductivity). The barrels are formed with butted seams and are preinsulated with a sturdy vinyl sleeve. The inner surface of the barrel is serrated to provide maximum contact with the wire and maximum holding power. Under crimping pressure, the wire strands flow into these serrations, thereby increasing the electrical conductivity. The edge of the barrel is chamfered to permit easy entrance of the wire and to prevent stubbing of the wire strands.

VINYLUG — TYPE TP RING TONGUE TERMINALS



Cat. No.	Conductor Size	Screw Size	Less Ctn.	Per 100 Ctn.
TP16-2		1, 2		
TP16-4		3, 4		
TP16-6	22–16	4–6	$7.04	$5.50
TP16-8		6–8		
TP16-10		8–10		
TP16-14		12, ¼		
TP16-516	22–16	⅜	8.16	6.38
TP16-38		⅜		
TP14-2		1, 2		
TP14-4		3, 4		
TP14-6	16–14	4–6	7.04	5.50
TP14-8		6–8		
TP14-10		8–10		
TP14-14		12, ¼		
TP14-516	16–14	⅜	8.16	6.38
TP14-38		⅜		
				50
TP10-4		3, 4		
TP10-6	12–10	4–6	9.12	7.13
TP10-8		6–8		
TP10-10		8–10		
TP10-14		12, ¼		
TP10-516	12–10	⅜	10.56	8.25
TP10-38		⅜		

VINYLUG — TYPE TP-F FORK TONGUE TERMINALS



Cat. No.	Conductor Size	Screw Size	Less Ctn.	Per 100 Ctn.
TP16-2F		1, 2		
TP16-6F	22–16	4–6	$7.04	$5.50
TP16-8F		6–8		
TP16-10F		8–10		
TP14-2F		1, 2		
TP14-6F	16–14	4–6	7.04	5.50
TP14-8F		6–8		
TP14-10F		8–10		
				50
TP10-6F		4–6		
TP10-8F	12–10	6–8	9.12	7.13
TP10-10F		8–10		

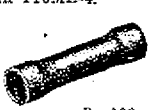
VINYLUG — TYPE TP-Z FLANGED FORK TONGUE



Cat. No.	Conductor Size	Screw Size	Less Ctn.	Per 100 Ctn.
TP16-2Z		1, 2	$7.04	$5.50
TP16-6Z	22-16	4, 6		
TP16-8Z		6, 8		
TP16-10Z		8, 10		
TP14-2Z		1, 2	7.04	5.50
TP14-6Z	16-14	4, 6		
TP14-8Z		6, 8		
TP14-10Z		8, 10		
				50
TP10-6Z		4, 6	9.12	7.13
TP10-8Z	12-10	6, 8		
TP10-10Z		8, 10		

VINYLUG also available in square tongue styles. All above can be installed with Y10ME-4.

VINYLINK — TYPE SP BUTT SPLICE

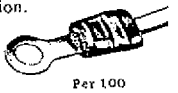


Cat. No.	Conductor Size	Quantity Ctn.	Quantity Pkg.	Less Ctn.	Per 100 Ctn.
SP16	22–16	100	1000	$8.64	$6.75
SP14	16–14	100	1000	8.64	6.75
SP10	12–10	50	500	12.16	9.50

NYLON-INSULATED TERMINALS

Constructed in one piece of electro-tin-plated copper; serrated inner barrel for optimum wire contact and maximum holding power; brazed seam for better conductivity and reliability after crimping; metal insulation grip supports wires; nylon insulation of high dielectric strength—color coded for quick and easy identification.

INSULUG — TYPE TN RING-TONGUE TERMINAL



Cat. No.	Conductor Size	Screw Size	Per 100 Less Ctn.	Per 100 Ctn. 100
TN20-2	26-20	1, 2	$11.52	$ 9.00
TN20-4	26-20	3, 4	11.52	9.00
TN20-6	26-20	4-6	11.52	9.00
TN20-8	26-20	6-8	11.52	9.00
TN20-10	26-20	8-10	11.52	9.00
TN18-4	22-18	3, 4	11.52	9.00
TN18-6	22-18	4, 6	11.52	9.00
TN18-8	22-18	6-8	11.52	9.00
TN18-10	22-18	8-10	11.52	9.00
TN18-14	22-18	12, ¼	13.44	10.50
TN18-516	22-18	5/16	13.44	10.50
TN18-38	22-18	⅜	13.44	10.50
TN14-4	16-14	3, 4	11.52	9.00
TN14-6	16-14	4-6	11.52	9.00
TN14-8	16-14	6-8	11.52	9.00
TN14-10	16-14	8-10	11.52	9.00
TN14-14	16-14	12-¼	13.44	10.50
TN14-516	16-14	5/16	13.44	10.50
TN14-38	16-14	⅜	13.44	10.50
			Per 50	Per 50
TN10-6	12-10	4-6	14.40	11.25
TN10-8	12-10	6-8	14.40	11.25
TN10-10	12-10	8-10	14.40	11.25
TN10-14	12-10	12, ¼	15.84	12.38
TN10-516	12-10	5/16	15.84	12.38
TN10-38	12-10	⅜	15.84	12.38

INSULUG — TYPE TN-F FORK-TONGUE TERMINAL



Cat. No.	Conductor Size	Screw Size	Per 100 Less Ctn.	Per 100 Ctn. 100
TN20-2F	26-20	1, 2	$11.52	$ 9.00
TN20-6F	26-20	4-6	11.52	9.00
TN20-8F	26-20	6-8	11.52	9.00
TN20-10F	26-20	8-10	11.52	9.00
TN18-6F	22-18	4-6	11.52	9.00
TN18-8F	22-18	6-8	11.52	9.00
TN18-10F	22-18	8-10	11.52	9.00
TN18-14F	22-18	12, ¼	13.44	10.50
TN14-6F	16-14	4-6	11.52	9.00
TN14-8F	16-14	6-8	11.52	9.00
TN14-10F	16-14	8-10	11.52	9.00
TN14-14F	16-14	12, ¼	13.44	10.50
			Per 50	Per 50
TN10-6F	12-10	4-6	14.40	11.25
TN10-8F	12-10	6-8	14.40	11.25
TN10-10F	12-10	8-10	14.40	11.25
TN10-14F	12-10	12, ¼	15.84	12.38

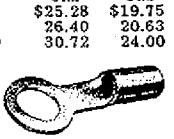
INSULINK — TYPE SN BUTT SPLICE, NYLON INSULATED



"Window" splice insulated in transparent nylon.

Cat. No.	Conductor Size	Quantity Ctn.	Quantity Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
SN18	22-18	100	1000	$25.28	$19.75
SN14	16-14	100	1000	26.40	20.63
SN10	12-10	50	500	30.72	24.00

HYLUG — TYPE T RING-TONGUE TERMINAL



Cat. No.	Conductor Size	Screw Size	Per 100 Less Ctn.	Per 100 Ctn. 100
T18-4	22-18	3, 4	$5.12	$4.00
T18-6	22-18	4-6	5.12	4.00
T18-8	22-18	6-8	5.12	4.00
T18-10	22-18	8-10	5.12	4.00
T18-14	22-18	¼	6.88	5.38
T18-516	22-18	5/16	6.88	5.38
T18-38	22-18	⅜	6.88	5.38
T14-4	20-14	3, 4	5.12	4.00
T14-6	20-14	4-6	5.12	4.00
T14-8	20-14	6-8	5.12	4.00
T14-10	20-14	8-10	5.12	4.00
T14-14	20-14	¼	6.88	5.38
T14-516	20-14	5/16	6.88	5.38
T14-38	20-14	⅜	6.88	5.38
			Per 50	Per 50
T10-6	16-10	4-6	7.20	5.63
T10-8	16-10	6-8	7.20	5.63
T10-10	16-10	8-10	7.20	5.63
T10-14	16-10	¼	8.16	6.38
T10-516	16-10	5/16	8.16	6.38
T10-38	16-10	⅜	8.16	6.38

BURNDY ELECTRICAL CONNECTORS

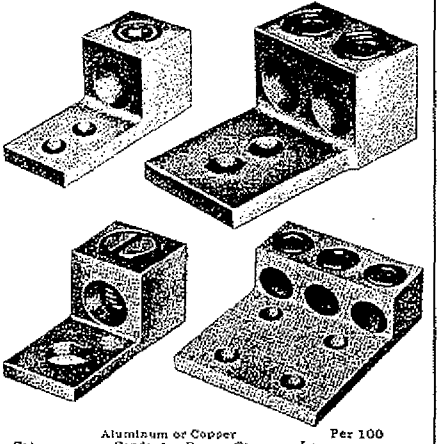
HYLUG — TYPE T-F FORK-TONGUE TERMINAL



Cat. No.	Conductor Size	Screw Size	Per 100 Less Ctn.	Per 100 Ctn. 100
T18-6F	22-18	4-6	$5.12	$4.00
T18-8F	22-18	6-8	5.12	4.00
T18-10F	22-18	8-10	5.12	4.00
T18-14F	22-18	¼	6.88	5.38
T14-6F	20-14	4-6	5.12	4.00
T14-8F	20-14	6-8	5.12	4.00
T14-10F	20-14	8-10	5.12	4.00
T14-14F	20-14	¼	6.88	5.38
			Per 50	Per 50
T10-6F	16-10	4-6	7.20	5.63
T10-8F	16-10	6-8	7.20	5.63
T10-10F	16-10	8-10	7.20	5.63
T10-14F	16-10	¼	8.16	6.38

UNIVERSAL TERMINAL — TYPE KA-U

Compact, wide-range with plated aluminum alloy terminal for use with copper or aluminum wire. All set screws are cadmium plated. The KA2U, KA26U, K2A2U and K3A26U are supplied with slotted screws, all others with Allen screws. The screws bear down in direct contact with the conductor strands. The resulting wiping action assures good inter-strand contact and electrical performance.



Cat. No.	Aluminum or Copper Conductor Range Min.	Max.	Ctn. Qty.	Per 100 Less Ctn.	Per 100 Ctn.
KA2U	14	2	50	$ 27.92	$ 21.81
KA26U	14	2/0	50	39.44	30.81
KA29U	6	250*	25	94.08	73.50
KA31U	6	350*	25	122.16	94.44
KA36U	2	600*	12	254.16	198.56
KA40U	300*	800*	6	273.84	213.94
KA44U	500*	1000*	6	356.16	278.25
KA36U-2N	2	600*	6	279.60	218.44
KA40N-2N	300*	800*	6	301.20	235.31
KA44U-2N	500*	1000*	6	391.92	306.19
K2A26U	14	2/0	12	78.16	61.06
K2A29U	6	250*	12	226.32	176.81
K2A31U	4	350*	6	312.96	244.50
K2A36U	2	600*	3	486.32	379.94
K2A40U	350*	800*	3	579.04	452.34
K2A44U	500*	1000*	3	661.84	517.06
K2A36U-2N	2	600*	3	535.04	418.00
K2A40U-2N	350*	800*	3	636.88	497.56
K2A44U-2N	500*	1000*	3	727.92	568.69
K3A26U-2N	14	2/0	12	650.32	508.06
K3A29U-2N	6	250*	6	1251.36	977.63
K3A31U-2N	6	350*	3	2051.44	1602.69
K3A36U-2N	2	600*	3	2418.64	1889.56
K3A40U-2N	300*	800*	3	3604.24	2815.81
K3A29U-4N	6	250*	3	1251.36	977.63
K3A31U-4N	6	350*	3	2051.44	1602.69
K3A36U-4N	2	600*	3	2418.64	1889.56
K3A40U-4N	300*	800*	3	3604.24	2815.81

*Mcm.

OKLIP® — TYPE KVS



Cat. No.	Conductor Range	Per 100 Less Ctn.
KVS26	Two 2/0 Str. cables max.	$160.94
KVS28	Two 4/0 Str. cables max.	254.81
KVS31	Two 350 Mcm cables max.	498.56
KVS34	Two 500 Mcm cables max.	581.63
KVS40	Two 800 Mcm cables max.	791.13
KVS44	Two 1000 Mcm cables max.	1118.81

QIKLUG® — TYPE QA-B



A heavy duty terminal for rapid termination of wires and cables. The QIKLUG accommodates a range of cable sizes, and is supplied with one, two or more holes in the terminal tongue. Also furnished with tongues and drilling to order.

Cat. No.	Cable Size	Each Less Ctn.	Each Ctn.
QA8C-B*	14 Sol. to 8 Str.	$1.35	$1.22
QA8C-2B†	14 Sol. to 8 Str.	2.53	2.28
QA4C-B*	8 Str. to 4 Str.	1.67	1.50
QA4C-2B†	8 Str. to 4 Str.	2.64	2.38
QA1C-B*	4 Str. to 1 Str.	2.36	2.12
QA1C-2B†	4 Str. to 1 Str.	3.05	2.75
QA26-B*	1/0 Str. to 2/0 Str.	3.70	3.33
QA26-2B†	1/0 Str. to 2/0 Str.	4.37	3.93
QA28-B*	3/0 Str. to 4/0 Str.	5.06	4.55
QA28-2B†	3/0 Str. to 4/0 Str.	5.75	5.17
QA31-B*	250 Mcm to 350 Mcm	8.49	7.64
QA31-2B†	250 Mcm to 350 Mcm	9.91	8.91
QA34-B*	400 Mcm to 600 Mcm	9.80	8.82
QA34-2B†	400 Mcm to 500 Mcm	11.12	10.01
QA40-B*	600 Mcm to 800 Mcm	16.81	15.13
QA40-2B†	600 Mcm to 800 Mcm	18.74	16.86
QA44-B*	850 Mcm to 1000 Mcm	19.55	17.59
QA44-2B†	850 Mcm to 1000 Mcm	21.71	19.54

*1 hole in contact pad. †2 holes in contact pad.

SCRULUG® — TYPE KPA

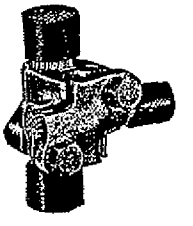


For low cost indoor terminal connections. Installed with screwdriver or pliers. Compact construction, especially useful on panelboards, in fuse boxes, safety switches, etc.

Cat. No	Cond. Range Min.	Max.	Ctn. Qty.	Each Less Ctn.	Each Ctn.
KPA8C	14 Sol.	8 Str.	100	$.30	$.23
KPA4C	14 Sol.	4 Str.	100	.39	.31
KPA25	4 Str.	1/0 Str.	100	.81	.63
KPA28	1/0 Str.	4/0 Str.	25	1.82	1.42
KPA34	4/0 Str.	600 Mcm	18	4.35	3.40

VERSITAP — TYPE QPX

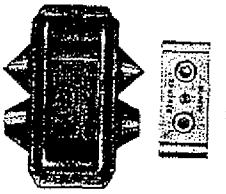
All-purpose connector for use as a Tee, Link, Cross or Parallel Clamp. Takes wide range of cables; installed with a wrench. Ten sizes accommodate from No. 6 Str. wire to 1000 Mcm. cables.



Made of high strength, high conductivity copper alloy, the Versitap consolidates the functions of a number of connector types into one low priced device.

Cat. No.	Range Run	Range Tap	Ctn. Qty.	Per 100 Less Ctn.
QPX2C2C	6 x 2 Str.	6 — 2 Str.	12	$510.53
QPX282C	1 — 4/0 Str.	6 — 2 Str.	12	582.90
QPX2828	1 — 4/0 Str.	1 — 4/0 Str.	9	739.43
QPX342C	250 — 500M	6 — 2 Str	6	1038.30
QPX3428	250 — 500M	1 — 4/0 Str.	6	1120.95
QPX3434	250 — 500M	250 — 500M	6	1536.08

POLYTAP — TYPE KP-U



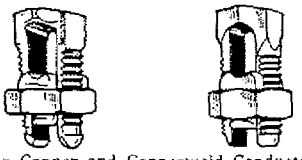
Six wide range-taking connectors and covers accommodate the full range of conductors from No. 14 to 800 Mcm. copper or aluminum. Suitable for use as a tap, parallel or end connector in heavy industrial and commercial applications. High strength extruded aluminum alloy connector supplied with polyethylene snap-on, insulating cover. 6 in carton.

Cat. No.	Aluminum or Copper Conductor Range Run	Tap	Per 100 Less Ctn.	Per 100 Ctn.
KPU2926C	1/0-250*	14-2/0	$338.00	$264.06
KPU2929C	1/0-250*	6-250*	356.16	278.25
KPU3426C	4/0-500*	14-2/0	684.96	535.13
KPU3434C	4/0-500*	6-500*	721.60	563.75
KPU4026C	500-800*	14-2/0	940.80	735.00
KPU4040C	500-800*	1/0-800*	986.48	770.69

*Mcm.

RELIABLE

COPPER SPLIT BOLT CONNECTORS



For Copper and Copperweld Conductors
Basic Connectors Without Accessories
(Cat. No.'s. 2F, 4F, 6F and 8F will take 3 Solid Wires)

Cat. No	Max. Wire Size AWG Solid	AWG Strand	Copper-weld	Std. Pkg.	Per 100
9F	9	10	....	100	$ 28.95
9FB*	9	10	....	100	29.70
8F*	8	8	....	100	32.40
8FB*	8	8	....	100	33.90
6F	6	8	8A	100	35.25
4F	4	4	6A	100	42.70
2F	2	3	4A	100	61.60
1F	1	1 & 2	3A	100	68.70
1/0F	2/0	1/0	2A	50	88.35
2/0F	3/0	2/0	....	25	143.05
4/0F	4/0	250MCM**	....	25	228.25
679	.....	350MCM	....	12	421.05
813	.....	500MCM	....	12	11.68 ea.
996	.....	750MCM	....	6	991.90
1152	.....	1000MCM	....	4	1348.85

**19 & 37 Str.

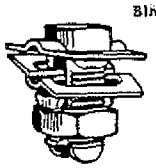
PLATED CONNECTORS WITHOUT SPACER

For copper to copper, steel to steel, aluminum to aluminum. Recommended Spacer Type for aluminum.

Cat. No.	Max. Wire Size Steel BWG ACSR	Sol.	Str. or Guy Amer.	Str.	Alum. or Copper AWG Sol.	Str.	Per 100
9FG*	.....	12	..	....	9	10	$ 34.25
8FG*	.....	10	..	....	7	8	37.80
6FG	.....	8	..	....	6	8	45.25
4FG	6	6	8	....	4	4	54.80
2FG	4	4	6	¼"	2	3	76.70
1FG	2	2	4	⅜"	1	1 & 2	82.80
1/0FG	1/0	..	2	⅜"	2/0	1/0	104.75
2/0FG	2/0	..	..	⅜"	3/0	2/0	169.70
4/0FG	4/0	..	..	½"	4/0	250†	287.90

*Bridging Connectors for Telephone and Signal Lines. †19 & 37 str.

SPLIT BOLT CONNECTORS — TWO BIMETAL SEPARATORS



For copper to aluminum, aluminum to copper and copper or aluminum to steel. Aluminum on inside radius of bimetal separators.

Cat. No.	Max. Wire Size Copper or Alum. AWG Solid	AWG Strand	ACSR	Slot Size, In.	Per 100
6FUU	6	8	..	.168	$ 46.05
4FUU	4	4	6	.218	53.40
2FUU	2	3	4	.272	72.45
1FUU	1	1 & 2	2	.326	79.30
1/0FUU	2/0	1/0	1/0	.408	99.10
2/0FUU	.....	2/0	2/0	.450	148.40

Bimetal Separator Only As Used in FUU Above

6U for 6 solid AWG Split Bolt Connector
4U for 4 solid AWG Split Bolt Connector
2U for 2 solid AWG Split Bolt Connector
1U for 2 strand AWG Split Bolt Connector
1/0U for 1/0 strand AWG Split Bolt Connector
2/0U for 2/0 strand AWG Split Bolt Connector

Per 100: $6.30

ALUMINUM SPLIT BOLT CONNECTORS WITHOUT SPACER

Cat. No.	Max. Wire Size AWG Sol.	Str.	Alum. ACSR Str.	Steel BWG, Sol. or Inches	Str.	BWG Str.	Per 100
6AL	4	5	6	6		8	$31.60
4AL	2	4	4	4	¼	6	36.60
2AL	..	2	2		⅜	4	39.80
10AL	..	1/0	1/0		⅜	2	89.70

RELIABLE

PLATED SPLIT BOLT CONNECTORS WITH SPACER



An all purpose connector for copper to copper, copper to aluminum, aluminum to aluminum, steel to copper and steel to aluminum.

Cat. No.	Steel BWG ACSR	Sol.	Str. or Guy Amer.	Str.	Alum. or Copper AWG Sol.	Str.	Per 100
9FGB*	.....	12	..	....	9	10	$ 37.15
8FGB*	.....	10	..	....	7	8	39.70
6FGP	.....	8	..	....	6	8	44.45
4FGP	6	6	8	....	4	4	53.80
2FGP	4	4	6	¼"	2	3	75.25
1FGP	2	..	4	⅜"	1	1 & 2	81.25
1/0FGP	1/0	..	2	⅜"	2/0	1/0	102.80
2/0FGP	2/0	..	..	⅜"	3/0	2/0	166.50
4/0FGP	4/0	..	..	½"	4/0	250†	282.60

*Bridging Connectors for Telephone and Signal Lines.
†19 & 37 strand.

ALUMINUM CONNECTORS — WITH SPACER

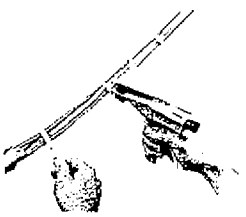


For aluminum to aluminum. May be used steel to steel or steel to aluminum.

Cat. No.	Max. Wire Size AWG Sol.	Str.	Alum. ACSR Str.	Steel BWG, Sol. or Inches	Str.	BWG Str.	Per 100
6ALA	4	5	6	6		8	$34.70
4ALA	2	4	4	4	¼	6	40.30
2ALA	..	2	2	..	⅜	4	43.75
10ALA	..	1/0	1/0	..	⅜	2	98.70

BURNDY

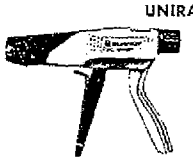
UNIRAP TIES



UNIRAP ties are one-piece nylon with no metal parts. They can be installed by hand, with Burndy tools, or with tools of other manufacturers. With pre-bent tips for easy installation, they lock automatically without twisting.

Cat. No.	Dia. Range In. Min.	In. Max.	Length In.	Carton	Std. Pkg.	Per 100
			Cable Tie			
TF3D	⅜	⅝	3.70	100	500	$3.68
TF4D	⅜	1⅛	5.43	100	500	4.00
TF5D	⅜	1¾	7.34	100	500	5.12
TF7D	⅜	3½	13.64	50	500	16.80
TF8D	⅜	4	14.35	100	500	11.84
			Clamping Tie			
TF3HD	⅜	⅝	4.07	100	500	6.08
TF5HD	⅜	1¾	7.84	100	500	7.84
TF7HD	⅜	3½	14.20	50	500	24.80
			Identifying Tie			
TF5LD	⅜	1¾	7.34	100	500	15.84

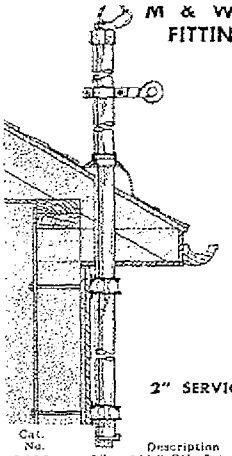
UNIRAP TOOLS



The TY50-1 installs all ties except size 7. The TY120-1 installs all ties except size 3. Both tools may be used to install competitive cable ties. UNIRAP tools exceed the military requirements of MIL-T-81306.

Cat. No. TY50-1 .....each $19.00
Cat. No. TY120-1 .....each 40.00

M & W SERVICE MAST FITTINGS AND KITS



2" SERVICE MAST FITTINGS

Cat. No.	Description	Std. Pkg.	Each
2400	2" x 1¼" Slipfitter Cap	10	$2.18
4000	2" Insulator Bracket	10	1.34
2900	2" Flashing & Seal	25	2.05
2350	2" HDG M.I. Brkt. with ½ x 10 bolt	25	1.41
2350-L	2" HDG M. I. Brkt. with ⅜ x 3 lag	25	1.18
2200	2"—1¼" Offset Bottom Reducer with 1¼" cl. nipple	50	1.41
4200	1¼" to 2½" Ins. Bracket	20	1.30

2½" SERVICE MAST FITTINGS

Cat. No.	Description	Pkg.	Each
2600	2½"—1¼" Slipfitter Cap	10	$2.75
4050	2½" Insulator Bracket	10	1.41
3000	2½" Flashing & Seal	25	2.11
2850	2½" HDG M.I. Brkt. with ½ x 10 bolt	25	1.55
2850-L	2½" HDG M.I. Brkt. with ⅜ x 3 lag	25	1.33
2700	2½"—1¼" Offset Bottom Reducer with 1¼" cl. nipple	25	1.69
2650	2½ — 2 Slipfitter Cap	5	4.58

2" CONDUIT SIZE KIT

Basic kit contains: #2400, 2 PS-7 and lags and #2200.

Cat. No.	Description	Std. Pkg.	Each
SM-200-SF	Basic Kit	5	$6.40
SM-200-SF3	Basic Kit with 3 insulators	5	10.42
SM-200-SF1	Basic Kit with 1 insulator	5	7.75

Basic kit contains: #2900, #2400, 2 #2350 and #2200X.

Cat. No.	Description	Std. Pkg.	Each
SM-200-BF	Basic Kit	5	$8.46
SM-200-BF3	Basic Kit with 3 insulators	5	12.31
SM-200-BF1	Basic Kit with 1 insulator	5	9.80

2½" CONDUIT SIZE KIT

Basic kit contains: #3000, #2600, 2 PS-8 and lags and #2700.

Cat. No.	Description	Std. Pkg.	Each
SM-250-SF	Basic Kit	5	$7.50
SM-250-SF3	Basic Kit with 3 insulators	5	11.73
SM-250-SF1	Basic Kit with 1 insulator	5	8.91

Basic kit contains #3000, #2600, 2 #2850 and #2700X.

Cat. No.	Description	Std. Pkg.	Each
SM-250-BF	Basic Kit	5	$9.66
SM-250-BF3	Basic Kit with 3 insulators	5	13.89
SM-250-BF1	Basic Kit with 1 insulator	5	11.07

O.Z. CONDUIT FITTINGS

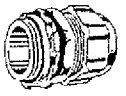
EXPANSION FITTINGS

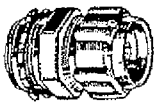


Designed to compensate for expansion and contraction in a line of conduit. Prices include insulating bushings. Standard finish is hot dip galvanized. Types "EX" and "EXE" for heavy wall conduit and Type "TX" for thin wall conduit also available.

Cat. No.	Conduit Size	Each	Cat. No.	Conduit Size	Each
AX 50	½	$7.70	AX200	2	$29.60
AX 75	¾	9.20	AX250	2½	44.00
AX100	1	11.80	AX300	3	59.20
AX125	1¼	14.60	AX350	3½	84.50
AX150	1½	20.60	AX400	4	101.50
			AX500	5	146.70

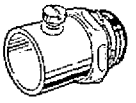
E.M.T. (THINWALL) FITTINGS

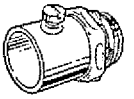

Compression Type Connector Insulated Throat

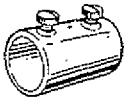

Compression Type Connector


Compression Type Coupling


Two Piece Connector


Set Screw Connector Insulated


Set Screw Connector


Set Screw Coupling

COMPRESSION TYPE CONNECTORS — STEEL
Insulated Throat

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	5123	TC-711	86T050	750B	2912	50	500	$ 28.65	$ 22.40
¾	5223	TC-712	86T075	751B	2913	50	250	39.45	30.80
1	5323	TC-713	86T100	752B	2914	25	100	62.70	49.00
1¼	5423	TC-714	86T125	753B	2915	5	25	127.35	89.65
1½	5523	TC-715	86T150	754B	2916	2	25	186.55	131.25
2	5623	TC-716	86T200	755B	2918	2	25	270.00	190.00

COMPRESSION TYPE CONNECTORS — STEEL

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	5121	TC-111	96T050	750	2902	50	500	$23.50	$ 18.40
¾	5221	TC-112	96T075	751	2903	50	250	32.70	25.55
1	5321	TC-113	96T100	752	2904	25	100	51.50	39.90
1¼	5421	TC-114	96T125	753	2905	5	25	99.70	70.15
1½	5521	TC-115	96T150	754	2906	2	25	144.95	102.00
2	5621	TC-116	96T200	755	2908	2	25	208.90	147.50

COMPRESSION TYPE COUPLINGS — STEEL

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	5120	TK-111	95T050	760	2922	50	500	$ 28.65	$ 22.40
¾	5220	TK-112	95T075	761	2923	50	300	39.45	30.80
1	5320	TK-113	95T100	762	2924	25	150	59.90	46.80
1¼	5420	TK-114	95T125	763	2925	15	90	108.55	76.40
1½	5520	TK-115	95T150	764	2926	10	60	156.15	140.64
2	5620	TK-116	95T200	765	2928	5	30	212.65	150.00

TWO PIECE CONNECTORS

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	.....	TC-231	92T050	756D	2702	100	400	$14.65	$11.45
¾	.....	TC-232	92T075	.....	2703	50	500	28.70	22.45

SET SCREW CONNECTOR — STEEL — INSULATED
One Screw Type

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	5031	TC-721	.....	720B	2122	50	500	$20.50	$16.00
¾	5033	TC-722	.....	721B	2123	50	250	35.05	27.40
1	5035	TC-723	.....	722B	2124	25	100	54.25	42.40

Two Screw Type

1¼	5037	TC-724	.....	723B	2125	5	25	$ 93.85	$ 66.00
1½	5039	TC-725	.....	724B	2126	10	25	136.25	95.88
2	5041	TC-726	.....	725B	2128	5	25	201.30	138.75

SET SCREW CONNECTORS — STEEL
One Screw Type

Size In.	Catalog No. T & B	Steel City	*Gedney	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	5051	TC-121	4050	720	2002	50	500	$15.30	$11.80
¾	5053	TC-122	4075	721	2003	50	250	24.70	19.30
1	5055	TC-123	4100	722	2004	25	100	41.60	32.50

Two Screw Type

1¼	5057	TC-124	4125	723	2005	5	25	$ 81.80	$ 57.50
1½	5059	TC-125	4150	724	2006	10	25	118.40	82.88
2	5061	TC-126	4200	725	2008	5	25	167.20	117.63
2½	5063	.....	4250	726	2140	2	10	441.60	345.00
3	5065	.....	4300	727	2142	1	5	529.60	413.75
4	5067	.....	4400	729	2146	....	1	793.60	.....

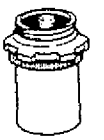
SET SCREW COUPLINGS — STEEL
Two Screw Type

Size In.	Catalog No. T & B	Steel City	*Gedney	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	5030	TK-121	5050	730	2022	50	500	$20.65	$16.15
¾	5032	TK-122	5075	731	2023	50	250	30.95	24.20
1	5034	TK-123	5100	732	2024	25	100	47.85	37.40

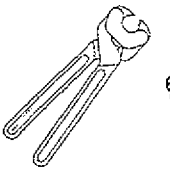
Four Screw Type

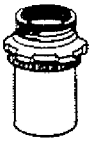
1¼	5036	TK-124	5125	733	2025	5	25	$ 91.85	$ 64.65
1½	5038	TK-125	5150	734	2026	10	25	131.70	92.63
2	5040	TK-126	5200	735	2028	5	25	177.70	125.00
2½	5042	.....	5250	736	2150	2	10	352.00	275.00
3	5044	.....	5300	737	2152	1	5	396.80	310.00
4	5046	.....	5400	739	2156	....	1	529.60	.....

*Malleable Iron.


Steel Indenter Connector

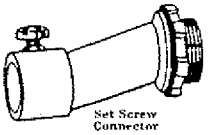

Steel Indenter Connector ⅜" Offset

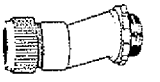

"One-Squeeze" Indenter Tool

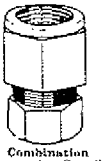

Steel Insulated Indenter Connector


Steel Insulated Indenter Connector ⅜" Offset


Steel Indenter Coupling


Set Screw Connector


Compression Type Connector


Combination Compression Coupling

STEEL INDENTER CONNECTORS

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	.....	TC-141	98T050	.....	1972	50	500	$14.65	$11.45
¾	.....	TC-142	98T075	.....	1973	50	250	24.00	18.75
1	.....	TC-143	98T100	.....	1974	25	100	34.90	27.25

STEEL INDENTER CONNECTORS
⅜" Offset

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	.....	TO-141	.....	.....	1932	25	250	$43.75	$34.20
¾	.....	TO-142	.....	.....	1933	25	250	56.90	44.45
1	.....	TO-143	.....	.....	1754	25	150	66.55	52.00

"ONE-SQUEEZE" INDENTER TOOLS
U. L. Listed

Tools are malleable iron. Indenter points are case hardened.

Fitting Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Qty.	Std. Pkg.	Each Less Pkg.	Each Pkg.
½	.....	IT- 50	.....	.....	1962	1	10	.....	$6.86
¾	.....	IT- 75	.....	.....	1963	1	10	.....	8.42
1	.....	IT-100	.....	.....	1964	1	10	.....	9.97
	Points for All Indenter Tools								
	.....	IP-15	.....	.....	1961			1.75	1.09

STEEL INSULATED INDENTER CONNECTORS

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	.....	TC-741	.....	.....	1992	50	500	$16.55	$12.95
¾	.....	TC-742	.....	.....	1993	50	250	27.20	21.25
1	.....	TC-743	.....	.....	1994	25	100	40.40	31.55

STEEL INSULATED INDENTER CONNECTORS
⅜" Offset

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	.....	TO-741	.....	.....	.....	25	250	$45.90	$34.20
¾	.....	TO-742	.....	.....	.....	25	250	60.10	44.45
1	.....	TO-743	.....	.....	.....	25	150	79.30	52.00

STEEL INDENTER COUPLINGS

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	.....	TK-141	97T050	.....	1982	50	500	$12.15	$ 9.50
¾	.....	TK-142	97T075	.....	1983	50	250	16.45	12.80
1	.....	TK-143	97T100	.....	1984	25	100	24.90	19.45

OFFSET SET SCREW CONNECTORS — PRESSURE CAST — ONE SCREW TYPE

Size In.	Catalog No. T & B	Steel City	*Gedney	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	1186*	TO-221‡	QE-50	.....	1762	25	250	$44.70	$34.95
¾	1187*	TO-222‡	QE-75	.....	1763	25	150	57.70	45.05
1	1188*	TO-223‡	QE-100	.....	1764	15	90	75.35	58.90

*⅜" Offset. ‡¾" Offset.

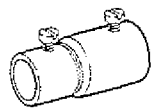
COMPRESSION TYPE CONNECTORS — PRESSURE CAST
⅜" Offset

Size In.	Catalog No. T & B	Steel City	*Gedney	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	.....	TO-211	OEG-50	.....	1952	25	250	$56.95	$44.50
¾	.....	TO-212	OEG-75	.....	1953	25	150	72.70	56.80
1	.....	TO-213	OEG-100	.....	1954	15	90	94.00	73.45

COMBINATION COMPRESSION COUPLINGS THINWALL TO HEAVY WALL

Size In.	*Gedney	Steel City	Catalog No. Appleton	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	ETR-50	HT-121	TWRS0	780	1352	25	100	$ 38.95	$ 30.45
¾	ETR-75	HT-122	TWR75	781	1353	25	100	55.30	43.20
1	ETR-100	HT-123	.....	782	1354	25	100	84.10	47.70
1¼	ETR-125	.....	.....	783	.....	15	90	169.60	132.50

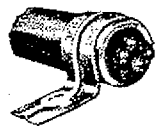
E.M.T. (THINWALL) FITTINGS



Combination Set Screw Coupling



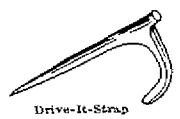
One Hole Snap-Strap



E.M.T. Strap



Thinwall Conduit Clamp



Drive-It-Strap

COMBINATION SET SCREW COUPLINGS THINWALL TO HEAVY WALL

Per 100

Size In.	Catalog No. T & B	Steel City	Gedney	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Ctn.
½	480	.....	ESR-50	740DC	1432	25	100	$35.05	$27.40
¾	481	.....	ESR-75	741DC	1433	25	100	49.75	38.90
1	482	.....	ESR-100	742DC	1434	5	60	75.70	59.15

ONE HOLE STEEL SNAP-STRAPS FOR EMT

Per 100

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Viking	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Ctn.
½	4159	TS-101	TWCL- 50	260ST	T-48	2082	100	1000	$ 5.75	$ 4.50
¾	4160	TS-102	TWCL- 75	261ST	T-68	2083	50	500	7.85	6.15
1	4161	TS-103	TWCL-100	262ST	T-88	2084	50	500	13.20	10.30
1¼	4162	TS-104	TWCL-125	263ST	T-108	2085	25	250	16.95	13.25
1½	4163	TS-105	TWCL-150	264ST	T-128	2086	20	100	26.30	20.55
2	4164	TS-106	TWCL-200	265ST	T-168	2088	10	50	41.30	32.25

MINERALLAC JIFFY STEEL CLIPS



Per 100

Cat. No.	Size In.	Std. Pkg.	Less Pkg.	Std. Pkg.
130	½	200	$2.25	$1.80
145	¾	100	2.95	2.35
155	1	100	4.15	3.30
165	1¼	100	5.75	4.60
170	1½	100	6.55	5.25

THINWALL CONDUIT CLAMPS

1-Hole, Malleable Iron

Per 100

Size In.	Catalog No. T & B	Appleton	Raco	Efcor	Carton	Std. Pkg.	Less Ctn.	Ctn.
½	4176	TWCL-50M	2032	260	100	500	$ 9.60	$ 7.50
¾	4177	TWCL-75M	2033	261	50	500	13.30	10.00
1	4178	TWCL-100M	2034	262	50	100	19.35	15.15
1¼	4179	TWCL125-M	2035	263	25	100	33.45	26.13
1½	4180	TWCL-150M	2036	264	25	50	40.30	31.50
2	4181	TWCL-200M	2038	265	10	25	75.50	55.88

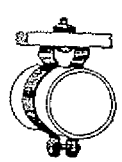
THINWALL CONDUIT DRIVE-IT-STRAPS

Per 100

Size In.	Catalog No. Efcor	Raco	Gedney	Carton	Std. Pkg.	Less Ctn.	Ctn.
½	250	2252	333	100	1000	$2.95	$2.30
¾	251	2253	334	100	1000	2.95	2.30
1	252	2254	335	100	1000	5.05	3.95

E.M.T. HANGERS — STEEL

Minerallac, Efcor, Raco, Gedney or Steel City



Per 100, Std. Pkg.

Cat. No.	Size In.	Std. Pkg.	Less Stove Bolts	With Stove Bolts
0	½	100	$ 5.00	$ 6.00
1	¾	100	5.50	6.70
2	1	100	7.30	8.90
2½	1¼	100	7.70	9.30
3	1½	100	8.00	9.60
5	2	50	9.90	14.00
6	.....	50	12.00	15.30

To order with stove bolts add "S" following Cat. No.

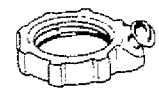
RIGID CONDUIT FITTINGS



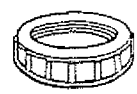
Bonding Type Locknut



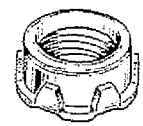
Notched Type Locknut



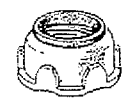
Grounding Type Locknut



Plastic Insulating Bushing



Metallic Bushing



Insulated Metallic Bushing

BONDING TYPE LOCKNUTS — STEEL

Per 100

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Ctn.
⅜	140	LN-100	BL 38	150	1001	100	1000	$ 7.85	$ 6.15
½	141	LN-101	BL 50	151	1002	100	1000	4.65	3.65
¾	142	LN-102	BL 75	152	1003	100	1000	7.35	5.75
1	143	LN-103	BL100	153	1004	50	500	12.50	9.75
1¼	144	LN-104	BL125	154	1005	50	200	15.85	12.40
1½	145	LN-105	BL150	155	1006	50	100	24.40	19.05
2	146	LN-106	BL200	156	1008	25	50	35.35	27.65

NOTCHED TYPE LOCKNUTS — MALLEABLE IRON

Per 100

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Ctn.
2½	147	LN-107	BL250	157	1010	10	30	$ 63.60	$ 49.70
3	148	LN-108	BL300	158	1012	....	25	82.50	44.63
3½	149	LN-109	BL350	159	1014	....	25	191.50	135.00
4	150	LN-110	BL400	160	1016	....	25	240.00	168.75
5	152	LN-111	BL500	162	1020	....	10	494.30	347.00
6	153	LN-112	BL600	163	1024	....	10	845.30	595.00

GROUNDING TYPE LOCKNUTS — MALLEABLE IRON

Per 100

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Ctn.
½	106	LG-401	GL 50	GL 50	1242	....	100	$ 24.25	$ 17.00
¾	107	LG-402	GL 75	GL 75	1243	....	100	30.25	21.25
1	108	LG-403	GL100	GL100	1244	....	50	44.25	31.15
1¼	109	LG-404	GL125	GL125	1245	....	50	55.10	38.75
1½	110	LG-405	GL150	GL150	1246	....	50	70.90	49.90
2	111	LG-406	GL200	GL200	1248	....	25	96.30	67.75
2½	112	LG-407	GL250	GL250	1250	....	10	175.50	123.50
3	113	LG-408	GL300	GL300	1252	....	10	222.10	156.25
3½	114	LG-409	GL350	GL350	1254	....	5	363.05	265.25
4	115	LG-410	GL400	GL400	1256	....	5	470.00	331.25

PLASTIC INSULATING BUSHINGS

Per 100

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Ctn.
½	222	BU-501	BBU 50	PB 1	1402	100	400	$ 5.05	$ 3.95
¾	223	BU-502	BBU 75	PB 2	1403	100	400	8.10	6.31
1	224	BU-503	BBU100	PB 3	1404	50	200	12.65	9.90
1¼	225	BU-504	BBU125	PB 4	1405	25	100	18.15	14.20
1½	226	BU-505	BBU150	PB 5	1406	25	100	24.40	19.05
2	227	BU-506	BBU200	PB 6	1408	15	60	44.65	34.90
2½	228	BU-507	BBU250	PB 7	1410	5	20	95.05	74.25
3	229	BU-508	BBU300	PB 8	1412	5	20	104.50	81.65
3½	230	BU-509	BBU350	PB 9	1414	..	5	130.55	91.75
4	231	BU-510	BBU400	PB10	1416	..	5	140.70	110.13
5	233	BU-511	BBU500	PB11	1420	..	5	338.90	237.50
6	234	BU-512	BBU600	PB12	1424	..	5	653.45	460.00

METALLIC BUSHINGS

Per 100

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Ctn.
½	122	BU-401	BU 50	51	1102	100	1000	$ 7.85	$ 6.15
¾	123	BU-402	BU 75	52	1103	100	1000	10.90	8.50
1	124	BU-403	BU100	53	1104	50	500	18.70	14.65
1¼	125	BU-404	BU125	54	1105	50	200	25.45	19.90
1½	126	BU-405	BU150	55	1106	50	100	37.35	29.20
2	127	BU-406	BU200	56	1108	25	50	58.80	45.95
2½	128	BU-407	BU250	57	1110	10	30	127.75	99.80
3	129	BU-408	BU300	58	1112	....	25	158.65	111.38
3½	130	BU-409	BU350	59	1114	....	25	314.55	220.00
4	131	BU-410	BU400	60	1116	....	25	383.20	268.75
5	133	BU-411	BU500	62	1120	....	10	798.70	261.25
6	135	BU-412	BU600	63	1124	....	10	1432.00	.....

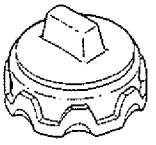
INSULATED METALLIC BUSHINGS

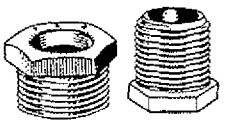
Per 100

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	O.Z.	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Ctn.
½	1222	BI-201	BU 50 I	55- 50	B 50	1132	50	500	$ 30.10	$ 23.50
¾	1223	BI-202	BU 75 I	55- 75	B 75	1133	50	500	44.80	35.00
1	1224	BI-203	BU100 I	55-100	B100	1134	25	250	64.50	50.40
1¼	1225	BI-204	BU125 I	55-125	B125	1135	15	150	93.85	73.30
1½	1226	BI-205	BU150 I	55-150	B150	1136	15	150	115.85	90.50
2	1227	BI-206	BU200 I	55-200	B200	1138	10	100	170.15	132.95
2½	1228	BI-207	BU250 I	55-250	B250	1126	10	60	324.70	253.70
3	1229	BI-208	BU300 I	55-300	B300	1127	5	30	445.85	348.30
3½	1230	BI-209	BU350 I	55-350	B350	1128	5	30	568.90	444.45
4	1231	BI-210	BU400 I	55-400	B400	1129	5	30	718.10	561.00
5	586	.....	.....	55-500	B500	.....	..	1	1341.00	.....
6	587	.....	.....	55-600	B600	.....	..	1	2071.40	.....

RIGID CONDUIT FITTINGS


Insulated Grounding Bushing

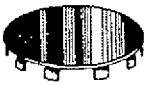

Capped Bushing

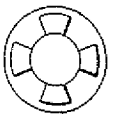



Plastic Plug

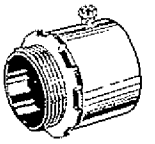

Bushing Closer

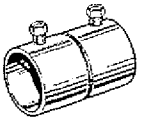

Conduit Nipples


Snap-In Blank


Reducing Washer


Reducing Bushing


Insulated Throat Set Screw Connector


Set Screw Coupling

INSULATED GROUNDING BUSHINGS

Size In.	T & B	Steel City	Efcor	Raco	O.Z.	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
½	3802	BG-801	56- 50- 8	1222	BL0508	50	500	$ 81.20	$ 63.45
¾	3803	BG-802	56- 75- 8	1223	BL5708	50	500	105.30	82.25
1	3804	BG-803	56-100- 8	1224	BL1108	25	250	139.90	102.25
1¼	3805	BG-804	56-125- 8	1225	BL1208	15	150	140.80	110.00
1½	3806	BG-805	56-150- 4	1226	BL1504	15	150	198.40	155.00
2	3807	BG-806	56-200- 4	1228	BL2004	10	100	239.45	187.05
2½	3808	BG-807	56-250-10	1230	BL2621	10	60	347.50	271.55
3	3809	BG-808	56-300-10	1232	BL3121	5	30	457.85	357.70
3½	3810	BG-809	56-350-10	1234	BL3624	5	30	568.65	444.25
4	3811	BG-810	56-400-10	1236	BL4124	5	30	701.30	547.90

CAPPED BUSHINGS

Size In.	T & B	Steel City	Appleton	Efcor	Raco	Gedney	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
½	1460	BC-401	BUC 50	CB51	1272	3-50	100	1000	$13.20	$10.30
¾	1461	BC-402	BUC 75	CB52	1273	3-75	100	1000	16.95	13.25
1	1462	BC-403	BUC100	CB53	1274	3-100	50	500	23.85	18.65
1¼	1463	BC-404	BUC125	CB54	1275	3-125	50	200	41.60	32.50
1½	1464	BC-405	BUC150	CB55	1276	3-150	50	100	46.95	36.70
2	1465	BC-406	BUC200	CB56	1278	3-200	25	100	80.30	62.75

INSULATED CONDUIT NIPPLES FOR RIGID CONDUIT

Size In.	T & B	Steel City	Appleton	Efcor	Raco	Gedney	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
½	1942	.....	.....	951B	3602	7-50-IT	25	100	$ 35.35	$ 27.65
¾	1943	.....	.....	952B	3603	7-75-IT	25	100	42.55	33.25
1	1944	.....	.....	953B	3604	7-100-IT	25	100	62.55	48.90
1¼	1945	.....	.....	954B	3605	7-125-IT	10	50	107.25	83.90
1½	1946	.....	.....	955B	3606	7-150-IT	10	50	140.00	109.25
2	1947	.....	.....	956B	3608	7-200-IT	5	50	214.40	166.25
2½	1948	.....	.....	957B	.....	7-250-IT	5	20	534.20	417.50
3	1949	.....	.....	958B	.....	7-300-IT	2	10	577.80	450.00
3½	1950	.....	.....	959B	.....	7-350-IT	1	5	810.40	632.50
4	1951	.....	.....	960B	.....	7-400-IT	1	5	1242.90	970.00

Galvanized. Used with couplings to connect to boxes. Permits box to be removed without disturbing conduit.

Malleable Iron

Size In.	T & B	Steel City	Appleton	Efcor	Raco	Gedney	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
¾	841*	HA-400	CN38†	950	.....	7-38	100	500	$ 36.25	$ 28.30
½	842*	HA-401	CN50†	951	1602	7-50	100	500	13.20	10.30
¾	843*	HA-402	CN75†	952	1603	7-75	50	200	18.70	14.65
1	844*	HA-403	CN100†	953	1604	7-100	25	100	34.00	26.55
1¼	845*	HA-404	CN125	954	1605	7-125	25	100	54.25	42.40
1½	846*	HA-405	CN150	955	1606	7-150	10	50	69.30	54.15
2	847*	HA-406	CN200	956	1608	7-200	5	50	111.75	87.30
2½	848*	HA-407	CN250	957	1610	7-250	5	20	240.00	187.50
3	849*	HA-408	CN300	958	1612	7-300	2	10	350.95	274.20
3½	850*	HA-409	CN350	959	1614	7-350	2	5	730.15	570.45
4	851*	HA-410	CN400	960	1616	7-400	2	5	1210.25	945.50
				1" Long						
½	.....	HA-211	.....	.....	.....	.....	100	1000	$31.75	24.80
¾	.....	HA-212	.....	.....	.....	.....	50	500	40.00	31.25
1	.....	HA-213	.....	.....	.....	.....	25	250	70.65	55.20

*Chase — Reg. Trademark Thomas & Betts †Zinc Die Cast.

PLASTIC PLUGS

Size In.	T & B	Steel City	Appleton	Efcor	Raco	Gedney	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
½	1470	BL-501	.....	.....	.....	PP-50	100	1000	$ 6.00	$ 4.70
¾	1471	BL-502	.....	.....	.....	PP-75	100	1000	6.80	5.30
1	1472	BL-503	.....	.....	.....	PP-100	50	500	9.20	7.20
1¼	1473	BL-504	.....	.....	.....	PP-125	50	200	14.50	11.30
1½	1474	BL-505	.....	.....	.....	PP-150	25	100	27.10	21.20
2	1475	BL-506	.....	.....	.....	PP-200	25	100	36.70	28.70

STEEL BUSHING CLOSERS

Size In.	T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
2½	821	BL-107	.....	36	.....	50	100	$ 59.50	46.50
3	822	BL-108	.....	37	.....	50	100	74.10	57.90
3½	824	BL-109	.....	38	.....	50	100	100.10	78.20
4	823	BL-110	.....	39	.....	25	100	130.90	102.25

STEEL SNAP-IN BLANKS

Size In.	T & B	Steel City	Appleton	Efcor	Raco	Gedney	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
½	1451	BL-111	S 50	TL50	1042	KO-50	100	1000	$ 7.50	$ 5.90
¾	1452	BL-112	S 75	TL51	1043	KO-75	100	1000	9.05	7.05
1	1453	BL-113	S100	TL52	1044	KO-100	50	1000	16.70	13.05
1¼	1454	BL-114	S125	TL53	1045	KO-125	50	500	21.75	17.00
1½	1455	BL-115	S150	TL54	1046	KO-150	50	500	32.25	25.20
2	1456	BL-116	S200	TL55	1048	KO-200	25	250	42.50	33.20

REDUCING WASHERS — STEEL

Size In.	T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
½ to ⅜	.....	WA-110	.....	.....	.....	250	500	$ 3.90	$ 3.05
¾ to ½	3701	WA-121	RW 75- 50	201	1365	250	500	3.90	3.05
1 to ½	3703	WA-131	RW100- 50	301	1366	125	250	6.80	5.30
1 to ¾	3704	WA-132	RW100- 75	302	1367	125	250	6.80	5.30
1¼ to ½	3706	WA-141	RW125- 50	401	1368	125	250	11.90	9.30
1¼ to ¾	3707	WA-142	RW125- 75	402	1369	100	200	10.90	8.50
1¼ to 1	3708	WA-143	RW125-100	403	1370	100	200	10.90	8.50
1½ to ½	3710	WA-151	RW150- 50	501	1371	50	100	14.65	11.45
1½ to ¾	3711	WA-152	RW150- 75	502	1372	50	100	14.65	11.45
1½ to 1	3712	WA-153	RW150-100	503	1373	50	100	13.20	10.30
1½ to 1¼	3713	WA-154	RW150-125	504	1374	50	100	13.20	10.30
2 to ½	3714	WA-161	RW200- 50	601	1375	50	100	19.60	15.30
2 to ¾	3715	WA-162	RW200- 75	602	1376	50	100	19.60	15.30
2 to 1	3716	WA-163	RW200-100	603	1377	50	100	17.60	13.75
2 to 1¼	3717	WA-164	RW200-125	604	1378	50	100	17.60	13.75
2 to 1½	3718	WA-165	RW200-150	605	1379	50	100	17.60	13.75

REDUCING BUSHINGS — STEEL AND MALLEABLE IRON

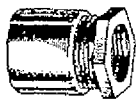
Size In.	T & B	Steel City	Appleton	Efcor	Raco	Crouse-Hinds	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
¾ to ½	601	RB-121	RB- 75- 50	510	1142	RE21	....	100	$ 21.90	$ 15.40
1 to ½	602	RB-131	RB-100- 50	610	1143	RE31	....	50	34.30	24.15
1 to ¾	603	RB-132	RB-100- 75	611	1144	RE32	....	50	34.30	24.15
1¼ to ½	604	RB-141	RB-125- 50	710	1145	RE41	....	50	56.55	50.00
1¼ to ¾	605	RB-142	RB-125- 75	711	1146	RE42	....	50	56.55	50.00
1¼ to 1	606	RB-143	RB-125-100	712	1147	RE43	....	50	56.55	50.00
1½ to ½	607	RB-151	RB-150- 50	810	1148	RE51	....	50	88.50	62.15
1½ to ¾	608	RB-152	RB-150- 75	811	1149	RE52	....	50	88.50	62.15
1½ to 1	609	RB-153	RB-150-100	812	1150	RE53	....	50	88.50	62.15
1½ to 1¼	610	RB-154	RB-150-125	813	1151	RE54	....	50	88.50	62.15
2 to ½	611	.....	RB-200- 50	910	1152	RE61	10	25	201.30	141.25
2 to ¾	612	.....	RB-200- 75	911	1153	RE62	10	25	201.30	141.25
2 to 1	613	RB-163	RB-200-100	912	1154	RE63	....	25	201.30	141.25
2 to 1¼	614	RB-164	RB-200-125	913	1155	RE64	....	25	201.30	141.25
2 to 1½	615	RB-165	RB-200-150	914	1156	RE65	....	25	201.30	141.25
2½ to 1½	.....	RB-175	RB-250-150	2515	1161	RE75	....	25	239.85	.....
2½ to 2	.....	RB-176	RB-250-200	2520	1162	RE76	....	25	239.85	.....
3 to 2	.....	RB-186	RB-300-200	320	1168	RE86	....	25	423.60	.....
3 to 2½	.....	RB-187	RB-300-250	225	1169	RE87	....	25	423.60	.....

INSULATED THROAT SET SCREW CONNECTORS

Size In.	T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
½	8125	.....	SRNTC- 50	1720B	3102	25	200	$ 51.20	$ 40.00
¾	8225	.....	SRNTC- 75	1721B	3103	25	100	76.00	59.40
1	8325	.....	SRNTC-100	1722B	3104	10	50	110.70	86.50
1¼	8425	.....	SRNTC-125	1723B	3105	10	50	178.90	139.75
1½	8525	.....	SRNTC-150	1724B	3106	5	25	252.50	197.25
2	8625	.....	SRNTC-200	1725B	3108	2	20	497.75	388.75
2½	8725	.....	SRNTC-250	1726B	3110	1	5	1313.75	1026.25
3	8825	.....	SRNTC-300	1727B	3112	1	5	1722.75	1350.00
3½	8855	.....	SRNTC-350	1728B	3114	1	5	2437.90	1912.50
4	8975	.....	SRNTC-400	1729B	3116	..	1	.....	.....

SET SCREW COUPLINGS

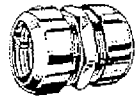
Size In.	T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Less Ctn.	Per 100 Ctn.
½	8124	.....	SNTCC- 50	1730	3022	25	200	$ 64.65	$ 50.50
¾	8224	.....	SNTCC- 75	1731	3023	25	100	84.65	66.15
1	8324	.....	SNTCC-100	1732	3024	10	50	135.70	106.00
1¼	8424	.....	SNTCC-125	1733	3025	10	50	205.30	160.40
1½	8524	.....	SNTCC-150	1734	3026	5	25	261.60	204.40
2	8624	.....	SNTCC-200	1735	3028	2	20	594.25	463.75
2½	8724	.....	SNTCC-250	1736	3030	1	5	1190.10	975.00
3	8824	.....	SNTCC-300	1737	3032	1	5	1558.90	1287.00
3½	8854	.....	SNTCC-350	1738	3034	1	5	2198.40	1812.50
4	8974	.....	SNTCC-400	1739	3036	..	1	.....	.....



Conduit Coupling Three Piece



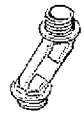
Threadless Connector



Threadless Coupling



Split Coupling



Offset Nipple



Bushed Elbow



Short Elbow



Capped Elbow



Pull Corner Elbow



Insulated Throat Watertight Hub Connector

CONDUIT COUPLINGS — THREE PIECE

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	675*	EK-401	EC 50	165	1502	50	100	$ 87.75	$ 75.20
¾	676*	EK-402	EC 75	166	1503	25	50	76.20	97.50
1	677*	EK-403	EC100	167	1504	....	25	130.90	186.00
1¼	678*	EK-404	EC125	168	1505	....	25	239.90	340.90
1½	679*	EK-405	EC150	169	1506	....	25	302.50	429.70
2	680*	EK-406	EC200	170	1508	....	20	610.00	869.20
2½	681*	EK-407	EC250	171	1510	....	10	1275.00	1828.30
3	682*	EK-408	EC300	172	1512	....	6	1912.50	2722.65
3½	683*	EK-409	EC350	173	1514	....	5	3087.50	4396.70
4	684*	EK-410	EC400	174	1516	....	6	.....	4981.50

*Erickson® Couplings.

THREADLESS CONNECTORS FOR RIGID CONDUIT

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	8121	HC-401	NTC 50	1750	1802	50	300	$ 66.30	$ 51.80
¾	8221	HC-402	NTC 75	1751	1803	25	150	109.45	85.50
1	8321	HC-403	NTC100	1752	1804	15	90	155.30	133.80
1¼	8421	HC-404	NTC125	1753	1805	10	60	278.55	217.65
1½	8521	HC-405	NTC150	1754	1806	5	30	387.35	302.65
2	8621	HC-406	NTC200	1755	1808	2	12	764.40	597.20
2½	8721	HC-407	NTC250	1756	.....	2	12	2379.90	1859.30
3	8821	HC-408	NTC300	1757	.....	1	6	2834.40	2458.00
3½	8851	HC-409	NTC350	1758	.....	1	6	3470.40	3009.50
4	8971	HC-410	NTC400	1759	.....	1	6	4251.50	3686.90

THREADLESS COUPLINGS FOR RIGID CONDUIT

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	8120	HK-401	NTCC- 50	1760	1822	50	300	$ 107.30	$ 83.80
¾	8220	HK-402	NTCC- 75	1761	1823	25	150	157.90	123.40
1	8320	HK-403	NTCC-100	1762	1824	15	90	268.25	209.55
1¼	8420	HK-404	NTCC-125	1763	1825	10	60	403.35	315.15
1½	8520	HK-405	NTCC-150	1764	1826	5	30	506.40	395.65
2	8620	HK-406	NTCC-200	1765	1828	2	12	1151.60	899.70
2½	8720	HK-407	NTCC-250	1766	.....	2	12	3307.70	2584.15
3	8820	HK-408	NTCC-300	1767	.....	1	6	3960.00	3434.95
3½	8850	HK-409	NTCC-350	1768	.....	1	6	5069.30	4396.05
4	8970	HK-410	NTCC-400	1769	.....	1	6	6468.20	5609.15

O.Z. SPLIT COUPLINGS

Size In.	Type SP Each — Cat. No.	Less $500 List	$500 List+	Type SSP Concrete Type Each — Cat. No.	Less $500 List	$500 List+	Std. Pkg.
½	SP 50	$ 1.32	$ 1.23	SSP 50	$ 1.44	$ 1.35	6
¾	SP 75	1.36	1.27	SSP 75	1.48	1.38	6
1	SP100	1.44	1.35	SSP100	1.56	1.46	6
1¼	SP125	1.96	1.83	SSP125	2.12	1.98	4
1½	SP150	2.44	2.28	SSP150	2.64	2.47	4
2	SP200	3.72	3.48	SSP200	3.96	3.71	2
2½	SP250	6.96	6.55	SSP250	7.20	6.75	2
3	SP300	9.08	8.51	SSP300	9.32	8.73	1
3½	SP350	12.64	11.85	SSP350	13.20	12.37	1
4	SP400	16.32	15.30	SSP400	16.96	15.90	1
5	SP500	27.28	25.57	SSP500	28.32	26.55	1
6	SP600	37.96	35.58	SSP600	39.48	37.01	1

OFFSET NIPPLES FOR RIGID CONDUIT

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
				¾" Offset					
½	1180	HO-221	OFN- 50	190	1452	25	250	$ 43.90	$ 34.30
¾	1181	HO-222	OFN- 75	191	1453	25	150	57.60	45.00
1	1182	HO-223	OFN-100	192	1454	10	100	67.35	52.65
1¼	.....	HO-224	OFN-125	193	1455	10	60	109.75	85.75
1½	.....	HO-225	OFN-150	194	1456	5	30	131.75	102.95
2	.....	HO-226	OFN-200	195	1458	5	30	198.95	155.45
				1¼" Offset					
¾	.....	HO-252	.....	.....	1653	10	100	104.90	81.95
1	.....	HO-253	.....	.....	1654	10	60	126.00	98.45
1¼	.....	HO-254	.....	.....	1655	5	30	207.90	162.45
1½	.....	HO-255	.....	.....	.....	5	30	272.70	213.05
2	.....	HO-256	.....	.....	.....	4	24	365.60	285.65

ELBOWS FOR RIGID CONDUIT

BUSHED ELBOWS

Size In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	460	9-50	LMFL90- 50	181	1742	25	50	$ 80.30	$ 62.63
¾	461	9-75	LMFL90- 75	182	1743	25	50	112.15	87.50
1	462	9-100	LMFL90-100	183	1744	5	25	254.40	198.75
1¼	463	9-125	LMFL90-125	.....	1745	5	10	381.35	297.50

SHORT ELBOWS

Size In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	4250	8-50	LMF90- 50	181A	1722	25	50	$ 63.70	$49.63
¾	4251	8-75	LMF90- 75	182A	1723	25	50	87.50	68.38
1	4252	8-100	LMF90-100	183A	1724	5	25	144.00	112.25
1¼	4253	8-125	.....	184A	1725	5	25	376.15	293.75
1½	4254	8-150	.....	185A	1726	5	25	554.25	431.25
2	4255	8-200	.....	.....	1728	5	10	930.70	727.50

CAPPED ELBOWS

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Gedney	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	1480	HL-421	AY 50	390	19-50	10	50	$164.55	$128.55
¾	1481	HL-422	AY 75	391	19-75	5	50	197.05	153.95
1	1482	HL-423	AY100	392	19-100	5	25	266.15	207.95
1¼	1483	HL-424	AY125	393	19-125	..	10	576.65	405.00

PULL CORNER ELBOWS

No Sleeve — Aluminum

Size In.	Catalog No. T & B	Steel City	†Gedney	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	.....	HL-601	FF-050	6-503	2652	10	100	$ 81.95	$64.00
¾	.....	HL-602	FF-075	6-753	2653	10	100	127.05	99.25
1	.....	HL-603	FF-100	.....	.....	10	60	246.00	192.20

INSULATED THROAT WATERTIGHT HUB CONNECTORS

Size In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
½	370	CH-50	HUB 50	40- 50B	.....	25	100	$ 144.64	$113.00
¾	371	CH-75	HUB 75	40- 75B	.....	25	50	166.40	130.00
1	372	CH-100	HUB100	40-100B	.....	5	25	206.40	161.25
1¼	373	CH-125	HUB125	40-125B	.....	5	25	236.80	185.00
1½	374	CH-150	HUB150	40-150B	.....	2	10	270.40	211.25
2	375	CH-200	HUB200	40-200B	.....	1	5	389.80	305.00
2½	376	CH-250	HUB250	40-250B	.....	1	5	747.60	583.75
3	377	CH-300	HUB300	40-300B	.....	1	5	1048.30	820.00
3½	378	CH-350	HUB350	40-350B	.....	..	1	1381.00	.....
4	379	CH-400	HUB400	40-400B	.....	..	1	1713.60	.....

*Non-Insulated. †Malleable Iron.

MINERALLAC JIFFY STEEL CLIPS



Cat. No.	Size In.	Std. Pkg.	Per 100 Less Pkg.	Std. Pkg.
140	½	100	$2.40	$1.90
150	¾	100	3.40	2.70
160	1	100	4.95	3.95
170	1¼	100	6.55	5.25

PERFORATED STRAP IRON



For hanging conduit, pipe, etc. 10' coils.

Size In.	Wt. Lbs. 100'	Per 100' Less 100'	100'+
¾ x .035	7.2	$4.55	$3.65
⅞ x .050	12.2	6.20	4.95

RIGID CONDUIT FITTINGS


Rigid Conduit Strap


One Hole Malleable Iron Pipe Strap


One Hole Steel Pipe Strap

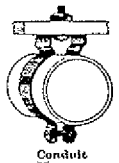

Pipe Spacer


Service Entrance Ell

CONDUIT HANGERS — STEEL

Mineralac, Efcor, Raco, Gedney or Steel City

Cat. No.	Size In.	Std. Pkg.	Per 100, Std. Pkg. Less Stove Bolts	With Stove Bolts
6H0	⅜-½	100	$ 5.00	$ 6.00
6H1	¾	100	5.50	6.70
6H2	1	100	7.30	8.90
6H3	1¼	100	8.00	9.60
6H4	1½	100	9.90	11.90
6H5	2	50	12.00	14.00
6H6	2½	50	13.30	15.30
6H7	3	25	16.30	18.30
6H8	3½	25	19.30	21.30


Conduit Hanger

RIGID CONDUIT STRAPS

2-Hole, Galvanized

Size In.	Catalog No. Steel City	Efcor	Raco	Appleton	Carton	Std. Pkg.	Per 100 Less Ctn.	Ctn.
¼	.....	.....	.....	CF250	600	500	$ 2.72	....
⅜	.....	.....	.....	CF375	250	250	2.72	....
½	HS-901	210	2232	CF500	200	1200	2.30	$ 1.80
¾	HS-902	211	2233	CF750	150	900	3.10	2.45
1	HS-903	212	2234	CF100	100	600	4.65	3.65
1¼	HS-904	213	2235	CF125	75	450	6.95	5.45
1½	HS-905	214	2236	CF150	50	300	9.20	7.20
2	HS-906	215	2238	CF200	25	150	12.55	9.80
2½	HS-907	216	2239	.....	25	150	26.25	20.50
3	HS-908	217	2240	.....	10	60	32.70	25.55
3½	HS-909	218	2241	.....	10	60	40.10	32.90
4	HS-910	219	2242	.....	10	60	46.70	36.50

ONE HOLE MALLEABLE IRON PIPE STRAPS

Size In.	T & B	Steel City	Catalog No. Appleton	Efcor	Raco	Std. Pkg.	Unit Pkg.	Per 100 Less Ctn.	Ctn.
⅜	1275†	HS-400	CL 38M	230	1301	500	100	$ 11.75	$ 9.20
½	1276†	HS-401	CL 50M	231	1302	500	100	10.15	7.95
¾	1277†	HS-402	CL 75M	232	1303	500	50	13.90	10.90
1	1278†	HS-403	CL100M	233	1304	100	50	20.50	16.00
1¼	1279†	HS-404	CL125M	234	1305	100	25	36.25	28.30
1½	1280†	HS-405	CL150M	235	1306	50	25	42.50	33.20
2	1281†	HS-406	CL200M	236	1308	25	....	82.65	58.13
2½	1282†	HS-407	CL250M	237	1310	25	....	186.00	118.25
3	1283†	HS-408	CL300M	238	1312	25	....	235.90	165.00
3½	1284†	HS-409	CL350M	239	1314	10	....	334.80	235.00
4	1285†	HS-410	CL400M	240	1316	10	....	748.25	526.00
5	1287†	HS-411	.....	242	1320	5	....	2642.00	1850.00

†Hot Dip Galvanized.

ONE HOLE STEEL PIPE STRAPS

Size In.	T & B	Steel City	Catalog No. Appleton	Efcor	Raco	Std. Pkg.	Unit Pkg.	Per 100 Less Ctn.	Ctn.
⅜	1210	HS-100	CL 38	.....	.....	1000	100	$ 6.50	$ 5.05
½	1211	HS-101	CL 50	231ST	1332	500	50	7.70	6.00
¾	1212	HS-102	CL 75	232ST	1333	500	50	15.35	12.00
1	1213	HS-103	CL100	233ST	1334	250	25	20.65	16.15
1¼	.....	HS-104	CL125	234ST	1335	100	25	24.55	19.20
1½	.....	HS-105	CL150	235ST	1336	100	25	46.70	36.50
2	.....	HS-106	CL200	236ST	1338	100	10	67.50	52.75
2½	.....	HS-107	CL250	237ST	1337	25	....	76.10	56.00
3	.....	HS-108	CL300	238ST	1339	25	....	114.25	63.00
3½	.....	HS-109	CL350	239ST	1340	10	....	141.60	95.90
4	.....	HS-110	CL400	240ST	1341	10	....	198.95	127.40

PIPE SPACERS FOR HEAVYWALL OR THINWALL PIPE

Size In.	T & B	Steel City	Catalog No. Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½	1376*	CB-201	CLB 50M	131	1342	100	1000	$15.50	$12.15
¾	1377*	CB-202	CLB 75M	132	1343	50	500	17.85	13.95
1	1378*	CB-203	CLB100M	133	1344	50	500	28.80	22.50
1¼	1379*	CB-204	CLB125M	134	1345	50	250	43.05	33.65
1½	1380*	CB-205	CLB150M	135	1346	20	100	55.10	43.05
2	1381*	CB-206	CLB200M	136	1348	10	50	89.90	70.25

SERVICE ENTRANCE FITTINGS FOR HEAVYWALL OR THINWALL

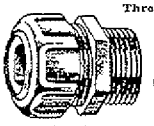
SERVICE ENTRANCE ELLS — ALUMINUM

Size In.	T & B	Steel City	Catalog No. Appleton	Crouse-Hinds	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½	1490	SL-601	SLAY- 50A	SLB1	5- 50	2332	10	100	$108.40	$ 84.70
¾	1491	SL-602	SLAY- 75A	SLB2	5 -75	2333	10	60	138.65	108.25
1	1492	SL-603	SLAY-100A	SLB3	5-100	2334	5	30	218.50	170.70
1¼	1493	SL-604	SLAY-125A	SLB4	5-125	2335	5	30	289.50	226.20
1½	1494	SL-605	SLAY-150A	SLB5	5-150	2336	2	20	676.70	528.70
2	1495	SL-606	SLAY-200A	SLB6	5-200	2338	1	10	963.20	835.30

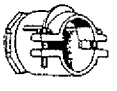

Threaded Caps

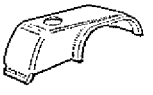



Clamp Type Cap


Service Entrance Cable Connector


Service Entrance Cable Fittings




Cable Straps

THREADED CAPS FOR HEAVYWALL (RIGID) INSTALLATIONS

Size In.	T & B	Steel City	Catalog No. Appleton	Efcor	Raco	Crouse-Hinds	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½	1525*	SH-301	F 50	27- 50	2302	F186△	10	60	$ 88.95	$ 65.50
¾	1521*	SH-302	F 75	27- 75	2303	F285†	10	60	110.95	86.70
1	1522*	SH-303	F100	27-100	2304	F385†	5	30	162.65	127.05
1¼	1523*	SH-304	F125	27-125	2305	F485†	5	30	210.00	164.00
1¼	1524*	.....	.....	.....	.....	.....	1	10	.....	222.50
1½	1529*	SH-305	F150	27-150	2306	F585†	3	18	370.50	289.45
2	1530*	SH-306	F200	27-200	2308	F686△	1	6	.....	585.50
2½	1531*	SH-307	F250	376	2310	F766△	..	1	.....	1692.65
3	1532*	SH-308	F300	377	2312	F866△	..	1	.....	2475.00
3½	1533*	SH-309	F350	378	2314	F966△	..	1	.....	3264.75
4	1534*	SH-310	F400	379	2316	F1066△	..	1	.....	4084.05

△6 Hole. †5 Hole: 17 Hole.

Horizontal and Vertical Mounting

2	.....	SH-506	.....	.....	.....	.....	..	5	$715.10	$ 446.95
2½	.....	SH-507	.....	.....	.....	.....	..	1	.....	1438.95
3	.....	SH-508	.....	.....	.....	.....	..	1	.....	2104.25
3½	.....	SH-509	.....	.....	.....	.....	..	1	.....	2778.35
4	.....	SH-510	.....	.....	.....	.....	..	1	.....	3472.60

CLAMP TYPE CAPS

Size In.	T & B	Steel City	Catalog No. Crouse-Hinds	Efcor	Raco	Carton	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½	1545*	SH-101	.....	26- 50	.....	5	50	$103.45	$ 80.80
¾	1546*	SH-102	F235	26- 75	.....	5	50	126.90	99.15
1	1547*	SH-103	F335	26-100	2404	5	25	165.90	129.65
1¼	1548*	SH-104	F435	26-125	2405	2	10	209.70	163.80
1½	1549*	SH-105	F535	26-150	2406	..	5	330.65	268.75
2	1550*	SH-106	F636	26-200	2408	..	6	683.45	553.75
2½	.....	SH-107	.....	4006	2410	..	1	.....	1330.60
3	.....	SH-108	.....	4007	2412	..	1	.....	1815.70
3½	.....	SH-109	.....	4008	2414	..	1	.....	2178.55
4	.....	SH-110	.....	4009	2416	..	1	.....	2540.20

SERVICE ENTRANCE CABLE CONNECTORS

Water Tight

Size In.	T & B	Gedney	Catalog No. Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½	2111	SE-501	.....	839	.....	10	100	$ 86.40	$ 67.70
¾	2232	SE-751	SEO21	840	.....	10	100	72.00	56.25
¾	2233	SE-753	SEO22	840	.....	10	100	72.00	56.25
¾	2234	.....	SEO22	853	.....	10	100	72.00	56.25
1	2432	SE-1001	SEO31	850	.....	10	100	90.70	70.75
1	2433	SE-1002	SEO32	851	2464	10	100	90.70	70.75
1	2434	.....	SEO32	849	2474	10	100	90.70	70.75
1	2438	SE-1003	.....	.....	.....	10	100	90.70	70.75
1	2439	SE-1004	SEO33	849	2484	10	100	90.70	70.75
1¼	2442	.....	.....	1849	2475	5	50	192.50	150.00
1¼	2443	SE-1251	SEO-041	1854	2465	5	50	192.50	150.00
1¼	2446	SE-1252	SEO-041	859	.....	5	50	192.50	150.00
1½	2451	SE-1504	.....	2848	2476	5	10	265.30	207.50
1½	2447	SE-1506	SEO-51	2858	2466	5	10	265.30	207.50
2	2448	SE-2006	.....	3860	2468	5	10	510.60	397.50
2	2449	SE-2008	.....	3862	2478	5	10	510.60	397.50
2	2450	SE-20010	.....	3863	.....	5	10	510.60	397.50

*Hot Dip Galvanized.

SERVICE ENTRANCE CABLE FITTINGS

Non-Water Tight

Size In.	T & B	Steel City	Catalog No. Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	3302	NC011	7285V	1111	.....	50	500	$ 20.55	$ 16.05
¾	3303	NC023	15233	1234	2853	25	100	45.70	35.70
1	3304	NC031	15234	3410	2854	10	50	62.50	48.80
1¼	3305	NC041	.....	1015	2855	15	150	80.30	62.75
1½	3306	NC051	.....	1017	2856	10	100	146.70	114.65
2	3307	NC061	.....	1016	2858	10	60	195.60	152.80

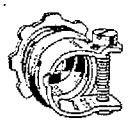
Non-Water Tight

Size In.	T & B	Steel City	Catalog No. Appleton	Efcor	Gedney	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	.....	NC-023	15233	1234	C-10N	25	100	$ 45.70	$ 35.70
½	.....	NC-012	.....	1111	KC-50	25	100	41.70	32.55
½S	.....	NC-022	.....	1212	.....	25	100	45.30	35.40
¾	.....	NC-021	.....	4234	806F	25	100	45.70	35.70
1	.....	NC-031	15234	2410	906F	10	50	62.50	48.80
1¼	.....	NC-041	1523S	1015	907F	15	150	80.30	62.75
1½	.....	NC-051	.....	1017	908F	10	100	146.70	114.65
2	.....	NC-061	.....	1016	909F	10	60	195.60	152.80

CABLE STRAPS

Wire Size	T & B	Gedney	Catalog No. Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
2 — #10	1341	S-80	SECL-1U	860	.....	50	100	$ 8.00	$ 6.25
3 — #6 or 3 — #8	1344	S-81	SECL-2U	861	2441	50	100	8.50	6.63
3 — #4 or 3 — #2	1345	16-04	SECL-3U	862	2442	50	100	9.30	7.25
3 — #1/0	1346	16-05	.....	126	2443	50	100	13.60	10.63
3 — #4/0	1347	16-06	.....	127	2444	10	50	14.10	16.88

BOX CONNECTORS FOR ARMORED CABLE OR FLEXIBLE METALLIC CONDUIT



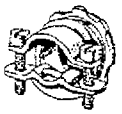
Straight Squeeze Type Box Connector



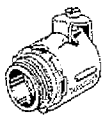
45° Angle Squeeze Type Box Connector



90° Angle Squeeze Type Box Connector



Two Screw Type Box Connector



Insulated Tite-Bite* Connector



Clamp Type Connector



Set Screw Connector



Clamp Type Connector (Hinged)



Duplex Clamp Type Connector

STRAIGHT SQUEEZE TYPE

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Raco	Appleton	Efcor	Per 100 Less Ctn.	Per 100 Ctn.
⅜	½	253	XC-400	2191	7480V	1001	$ 41.60	$ 32.50
½	½	254	XC-401	2102	7481V	1002	41.60	32.50
¾	¾	255	XC-402	2103	7482V	1003	44.10	34.45
1	1	256	XC-403	2104	7483	1004	80.65	63.00
1¼	1¼	257	XC-404	2105	7484	1005	127.05	99.25
1½	1½	258	XC-405	2106	7485	1006	234.15	183.75
2	2	259	XC-406	2108	7486	1007	336.80	236.25
2½	2½	249	XC-407	2110	7487	1008	619.20	436.25
3	3	277	XC-408	2112	7488	1009	867.45	608.75

45° ANGLE SQUEEZE TYPE

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Raco	Appleton	Efcor	Per 100 Less Ctn.	Per 100 Ctn.
⅜	½	265	XC-450	2221	7245V	2050	$ 49.30	$38.50
½	½	267	XC-451	2222	7246V	2052	81.75	63.90
¾	¾	269	XC-452	2223	7247V	.....	117.90	92.15

90° ANGLE SQUEEZE TYPE

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Raco	Appleton	Efcor	Per 100 Less Ctn.	Per 100 Ctn.
⅜	½	266	XC-290	2201	7380DC	2200	$ 40.55	$ 28.50
½	½	268	XC-491	2202	7381V	2002	70.25	54.90
¾	⅜	270	XC-492	2203	7382V	2003	97.50	76.20
1	1	273	XC-493	2204	7383	2004	181.50	135.00
1¼	1¼	274	XC-494	2205	7384	2005	338.90	211.25
1½	1½	275	XC-495	2206	7385	2006	584.90	305.00
2	2	276	XC-496	2208	7386	2007	764.40	583.75
2½	2½	.....	XC-497	2210	7387	2008	.....	1208.95
3	3	.....	XC-498	2212	7388	2009	.....	1588.20

TWO SCREW TYPE

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Raco	Appleton	Efcor	Per 100 Less Ctn.	Per 100 Ctn.
⅜	½	3301	.....	2661	7285V	1112	$7.15	$5.70

INSULATED TITE-BITE* CONNECTORS

Size, In. Trade	K.O.	Straight Cat. No.	Std. Pkg.	Wt. Lbs. Per 100	Per 100 Less Ctn.	Per 100 Ctn.	90° Cat. No.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
⅜	½	3110	500	7	$ 23.36	$ 18.25	3130	100	$ 47.84	$ 37.38
½	½	3112	100	15	48.48	37.88	3132	100	78.40	61.25
¾	¾	3115	50	23	54.08	42.25	3135	50	109.28	85.38
1	1	3117	25	45	100.48	75.80	3137	25	201.60	157.50
1¼	1¼	3118	10	62	161.60	126.25	3138	10	387.20	302.50
1½	1½	3119	10	102	278.40	217.50	3139	10	683.20	533.75
2	2	3120	5	130	.....	333.75	3140	5	.....	701.25
2½	2½	3121	5	230	.....	635.00	3141	5	.....	1837.50
3	3	3122	5	270	.....	840.00	3142	5	.....	2287.50

*Reg. Trademark Thomas & Betts

CLAMP TYPE CONNECTORS

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Raco	Appleton	Efcor	Per 100 Less Ctn.	Per 100 Ctn.
⅜A	½	3301	XC-280	2711	.....	1112DC	$11.20	$ 8.75
⅜S	½	3312	XC-400	2161	7480V	1001	41.60	32.50
¾S	¾	.....	XC-482	.....	.....	1003	44.10	34.45

SET SCREW CONNECTORS

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Raco	Gedney	Efcor	Per 100 Less Ctn.	Per 100 Ctn.
⅜	½	240	XC-460	2511	C-1	1000DC	$13.65	$10.63

CLAMP TYPE CONNECTORS (HINGED)

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Raco	Appleton	Gedney	Per 100 Less Ctn.	Per 100 Ctn.
⅜	½	.....	XC-410	.....	7230V	C-4	$17.45	$16.15

BOX CONNECTORS FOR ARMORED CABLE OR NON-METALLIC SHEATHED CABLE

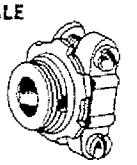
DUPLEX CLAMP TYPE

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Raco	Appleton	Efcor	Per 100 Less Ctn.	Per 100 Ctn.
⅜	½	291	CC-420	2131	7240V	1051	$49.10	$34.80

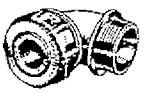
BOX CONNECTORS FOR NON-METALLIC SHEATHED CABLE

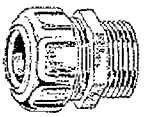


Zinc Die Cast Two Screw Clamp Type Connector



Two Screw Clamp Type Connector





Watertight Strain Relief Connector

ZINC DIE CAST TWO SCREW CLAMP TYPE CONNECTORS

Size, In. Trade	K.O.	Catalog No. Gedney	Steel City	Raco	Appleton	Efcor	M & W	Per 100 Less Ctn.	Per 100 Ctn.
¾	½	SL-51	NC-301	2711	7316DC	1111DC	474	$ 8.10	$ 6.30
¾	¾	.....	NC-302	2863	15233DC	1234DC	55	28.10	21.75
1	1	.....	NC-303	2864	15234DC	3410DC	56	54.25	42.40

TWO SCREW CLAMP TYPE CONNECTORS

Size, In. Trade	K.O.	Catalog No. T & B	Steel City	Gedney	Appleton	Efcor	M & W	Per 100 Less Ctn.	Per 100 Ctn.
¾	½	3302	.....	C-11LS	7316DC	1111	474	$16.00	$12.50
¾	¾	3303	NC-023	806	15233	1234	65	41.12	35.70
1	1¼	3304	NC-041	906	15234	3410	66	54.56	62.75

PORTABLE CORD CONNECTORS

WATERTIGHT STRAIN RELIEF CONNECTORS

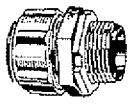
90° ANGLE

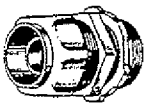
Cable Range	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
				½" Hubs					
.125 to .250	2267	SR9-502	.....	.....	.....	25	50	$168.00	$131.25
.250 to .370	2268	SR9-504	.....	.....	.....	25	50	168.00	121.25
.370 to .500	2269	SR9-505	.....	.....	.....	25	50	168.00	121.25
.450 to .560	2270	SR9-506	.....	.....	.....	25	50	168.00	121.25
				¾" Hubs					
.250 to .370	2271	SR9-754	.....	.....	.....	10	50	217.60	170.00
.370 to .500	2272	SR9-755	.....	.....	.....	10	50	217.60	170.00
.450 to .560	2272	SR9-755	.....	.....	.....	10	50	217.60	170.00
.450 to .560	2273	SR9-756	.....	.....	.....	10	50	217.60	170.00
.495 to .625	2273	SR9-756	.....	.....	.....	10	50	217.60	170.00
.620 to .750	2274	SR9-757	.....	.....	.....	10	50	217.60	170.00
				1" Hubs					
.750 .885	2275	SR9-1009	.....	.....	.....	5	25	336.00	$262.50
.875- .985	2276	SR9-10010	.....	.....	.....	5	25	336.00	262.50
				1¼" Hubs					
.880-1.065	2277	SR9-12510	.....	.....	.....	2	10	620.80	485.00
1.065-1.205	2278	SR9-12512	.....	.....	.....	2	10	620.80	485.00

WATERTIGHT STRAIN RELIEF CONNECTORS

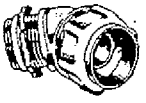
Cable Range	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Per 100 Ctn.
				½" Hubs					
.125 to .250	2520	SR-502	CG1250	.....	2542	25	100	$ 96.00	$75.00
.250 to .370	2521	SR-503	CG1850	.....	2552	25	100	96.00	75.00
.370 to .500	2522	SR-505	CG3150	.....	2562	25	100	96.00	75.00
.450 to .560	2523	SR-505	.....	.....	2562	25	100	96.00	75.00
.495 to .625	2524	SR-506	CG5050	.....	.....	25	100	105.60	82.50
				¾" Hubs					
.250 to .370	2531	SR-754	CG2575	.....	2543	10	100	105.60	82.50
.370 to .500	2532	SR-755	CG3775	.....	2553	10	100	105.60	82.50
.450 to .560	2534	SR-756	CG5075	.....	2563	10	100	105.60	82.50
.495 to .625	2534	SR-756	CG5075	.....	.....	10	100	105.60	82.50
.620 to .750	2535	SR-757	CG6275	.....	2583	10	100	105.60	82.50
				1" Hubs					
.250 to .370	2541	.....	.....	.....	2544	10	100	139.20	108.75
.370 to .500	2542	.....	CG37100	.....	2554	10	100	139.20	108.75
.450 to .560	2544	SR-1006	.....	.....	2564	10	100	139.20	108.75
.495 to .625	2544	SR-1006	CG50100	.....	.....	10	100	139.20	108.75
.620 to .750	2545	SR-1007	CG62100	.....	2574	10	100	139.20	108.75
.750- .885	2546	SR-1009	CG75100	.....	.....	10	100	139.20	108.75
.875- .985	2547	SR-10010	CG87100	.....	.....	10	100	139.20	108.75
				1¼" Hubs					
.880-1.065	2558	SR-12510	CG87125	.....	2545	5	50	385.60	301.25
1.065-1.205	2559	SR-12512	CG100125	.....	2555	5	50	385.60	301.25
				1½" Hub					
1.000-1.187	2563	SR-15012	.....	.....	.....	5	25	480.00	375.00
1.187-1.375	2564	SR-15014	.....	.....	.....	5	25	480.00	375.00
				2" Hub					
1.375-1.625	2574	SR-20016	.....	.....	.....	1	5	.....	550.00
1.625-1.875	2575	SR-20018	.....	.....	.....	1	5	.....	550.00

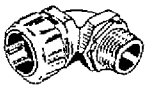
LIQUID TIGHT FLEXIBLE CONDUIT FITTINGS


Insulated Straight Connector


Straight Connector


Insulated 45° Angle Connector


45° Angle Connector


Insulated 90° Angle Connector


90° Angle Connector

INSULATED STRAIGHT CONNECTORS

Size In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	5331	4Q-38-IT	STB38	11-38B	3511	25	100	$ 92.96	$ 72.65
½	5332	4Q-50-IT	STB50	11-50B	3512	25	100	92.96	72.65
¾	5333	4Q-75-IT	STB75	11-75B	3513	25	50	134.88	105.40
1	5334	4Q-100-IT	STB100	11-100B	3514	5	25	208.00	162.50
1¼	5335	4Q-125-IT	STB125	11-125B	3515	5	25	328.00	256.25
1½	5336	4Q-150-IT	STB150	11-150B	3516	2	10	464.00	362.50
2	5337	4Q-200-IT	STB200	11-200B	3518	1	5	.....	678.75
2½	5338	4Q-250-IT	STB250	1-250B	....	1	5	.....	3400.00
3	5339	4Q-300-IT	STB300	1-300B	....	1	5	.....	3775.00
4	5340	4Q-400-IT	STB400	1-400B	....	1	5	.....	4387.50

STRAIGHT CONNECTORS

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	5231	LT100	ST38	11-38	3401	25	100	$ 91.50	$ 71.50
½	5232	LT101	ST50	11-50	3402	50	300	91.50	71.50
¾	5233	LT102	ST75	11-75	3403	25	150	130.55	102.00
1	5234	LT103	ST100	11-100	3404	15	90	192.25	150.20
1¼	5235	LT104	ST125	11-125	3405	10	60	328.25	256.45
1½	5236	LT105	ST150	11-150	3406	2	10	468.25	365.80
2	5237	.....	ST200	11-200	3408	1	5	.....	605.00
2½	5238	.....	ST250	1-250	....	1	5	.....	2862.50
3	5239	.....	ST300	1-300	....	1	5	.....	3225.00
4	5240	.....	ST400	1-400	....	1	5	.....	3687.50
5	5285	.....	ST500	1-500	....	..	1	.....	.....

INSULATED 45° ANGLE CONNECTORS

Size In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	5341	4Q-438-IT	STB45-38	13-38B	.....	25	50	$154.56	$ 120.75
½	5342	4Q-450-IT	STB45-50	13-50B	.....	25	50	154.56	120.75
¾	5343	4Q-475-IT	STB45-75	13-75B	.....	25	50	232.00	181.25
1	5344	4Q-4100-IT	STB45-100	13-100B	.....	5	25	440.00	343.75
1¼	5345	4Q-4125-IT	STB45-125	13-125B	.....	5	25	638.40	498.75
1½	5346	4Q-4150-IT	STB45-150	13-150B	.....	2	10	790.40	617.50
2	5347	4Q-4200-IT	STB45-200	13-200B	.....	1	5	.....	912.50
2½	5348	4Q-4250-IT	STB45-250	3-250B	.....	1	5	.....	4200.00
3	5349	4Q-4300-IT	STB45-300	3-300B	.....	1	5	.....	5062.50
4	5350	4Q-4400-IT	STB45-400	3-400B	.....	1	5	.....	5662.50

45° ANGLE CONNECTORS

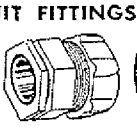
Size In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	5241	4Q-438	ST4538	13-38	.....	25	50	$129.44	$ 101.13
½	5242	4Q-450	ST4550	13-50	.....	25	50	129.44	101.13
¾	5243	4Q-475	ST4575	13-75	.....	25	50	196.80	153.75
1	5244	4Q-4100	ST45100	13-100	.....	5	25	395.20	308.75
1¼	5245	4Q-4125	ST45125	13-125	.....	5	25	606.40	473.75
1½	5246	4Q-4150	ST45150	13-150	.....	2	10	737.60	576.25
2	5247	4Q-4200	ST45200	13-200	.....	1	5	.....	847.50
2½	5248	4Q-4250	ST45250	3-250	.....	1	5	.....	3600.00
3	5249	4Q-4300	ST45300	3-300	.....	1	5	.....	4337.50
4	5250	4Q-4400	ST45400	3-400	.....	1	5	.....	4800.00

INSULATED 90° ANGLE CONNECTORS

Size In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	5351	4Q-938-IT	STB9038	12-38B	3541	25	50	$154.56	$ 120.75
½	5352	4Q-950-IT	STB9050	12-50B	3542	25	50	154.56	120.75
¾	5353	4Q-975-IT	STB9075	12-75B	3543	25	50	232.00	181.25
1	5354	4Q-9100-IT	STB90100	12-100B	3544	5	25	440.00	343.75
1¼	5355	4Q-9125-IT	STB90125	12-125B	3545	5	25	638.40	598.75
1½	5356	4Q-9150-IT	STB90150	12-150B	3546	2	10	790.40	617.50
2	5357	4Q-9200-IT	STB90200	12-200B	3548	1	5	.....	912.50
2½	5358	4Q-9250-IT	STB90250	2-250B	....	1	5	.....	4200.00
3	5359	4Q-9300-IT	STB90300	2-300B	....	1	5	.....	5062.50
4	5360	4Q-9400-IT	STB90400	2-400B	....	1	5	.....	5662.50

90° ANGLE CONNECTORS

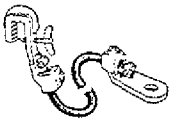
Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	5251	.....	ST9038	12-38	3421	25	50	$129.44	$ 101.15
½	5252	LT391	ST9050	12-50	3422	25	50	129.44	101.15
¾	5253	LT392	ST9075	12-75	3423	25	50	196.80	153.75
1	5254	LT393	ST90100	12-100	3424	5	25	395.20	308.75
1¼	5255	LT394	ST90125	12-125	3425	5	25	606.40	473.75
1½	5256	.....	ST90150	12-150	3426	2	10	737.60	576.25
2	5257	.....	ST90200	12-200	3428	1	5	.....	847.50
2½	5258	.....	ST90250	2-250	....	1	5	.....	3600.00
3	5259	.....	ST90300	2-300	....	1	5	.....	4337.50
4	5260	.....	ST90400	2-400	....	1	5	.....	4800.00


Insulated Chase® Connector

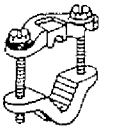

Sealing O Ring

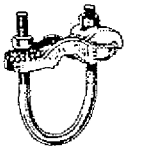

Ground Clamps




Strain Relief Wire Grip


Conduit Grounding Hub


Waterpipe Ground Clamp


Heavy Duty Ground Clamp

INSULATED CHASE® CONNECTORS

Size In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜	5361	.....	STN38	.....	.....	25	100	$104.80	$ 81.88
½	5362	CHQ-50	STN50	.....	.....	25	100	104.80	81.88
¾	5363	CHQ-75	STN75	.....	.....	25	50	143.68	112.65
1	5364	CHQ-100	STN100	.....	.....	5	25	222.40	173.75
1¼	5365	CHQ-125	STN125	.....	.....	5	25	377.60	295.00
1½	5366	CHQ-150	STN150	.....	.....	2	10	611.20	477.50
2	5367	CHQ-200	STN200	.....	.....	1	5	.....	675.00
2½	5368	.....	STN250	.....	.....	1	5	.....	3400.00
3	5369	.....	STN300	.....	.....	1	5	.....	3775.00
4	5370	.....	STN400	.....	.....	1	5	.....	4375.00

SEALING O RINGS

Size In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
⅜-½	5262	LR531	STG50	LTG-1	2452	50	100	$21.20	$ 16.55
¾	5263	LR532	STG75	LTG-2	2453	25	50	23.50	18.40
1	5264	LR533	STG100	LTG-3	2454	25	50	33.75	26.35
1¼	5265	LR534	STG125	LTG-4	2455	5	25	56.00	43.75
1½	5266	LR535	STG150	LTG-5	.....	5	25	67.90	53.05
2	5267	LR536	STG200	LTG-6	.....	1	25	84.10	65.70
2½	5268	.....	STG250	LTG-7	.....	1	5	.....	131.25
3	5269	.....	STG300	LTG-8	.....	1	5	.....	188.75
4	5270	.....	STG400	LTG-10	.....	1	5	.....	245.00

GROUND FITTINGS

GROUND CLAMPS

For Unarmored Wire #6, #4

Water Pipe Size, In.	Catalog No. T & B	Steel City	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½, ¾ M.I.	3826	.....	.....	GA17	.....	5	50	$62.88	$49.13
½, ¾ Bronze	3846	.....	.....	GF17	.....	5	50	87.20	78.63

For Unarmored or Armored Wire

½ — 1	3844	GC203	.....	GF17	.....	10	50	47.90	29.95

STRAIN RELIEF WIRE GRIPS

Cable Size	Cat. No. T & B	Std. Pkg.	Per 100 Less Ctn.	Ctn.
Strain Relief Grounding Clamp, #6-2	31215	5	$1287.50	$1030.00
Grounding Clamp, 1" Hook Type	31216	5	2012.50	1610.00
Grounding Clamp, 1½" Hook Type	31253	5	2112.50	1690.00
Grounding Clamp, 1" Straight Type	31217	5	1775.00	1420.00
Grounding Clamp, 1½" Straight Type	31224	5	1862.50	1490.00
Wing Screw	31230	5	596.25	477.00

CONDUIT GROUNDING HUBS

Water Pipe Size, In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½ Conduit	3930	G-50H	.....	GAH50	.....	5	25	$129.76	$101.38
¾ Conduit	3940	G-51H	.....	GAH75	.....	5	20	225.60	176.25
1 Conduit	3950	G-52H	.....	GAH100	.....	5	10	454.40	355.00
1¼ Conduit	3951	.....	.....	.....	.....	5	10	726.40	567.50
½ Adj.	3970	G-80H	.....	.....	.....	5	25	160.00	125.00
Armd. Wire	3960	G-571H	.....	.....	.....	5	25	260.80	203.75

WATERPIPE GROUND CLAMPS

Size, In.	Catalog No. T & B	Steel City	Gedney	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½, ¾, 1	2	.....	GF-21	GM17	.....	5	25	$ 112.00	$ 87.50
1¼, 1½, 2	3	GC006	G-54B	GM18	.....	5	50	152.48	119.13
2½, 3, 3½	4	GC010	G-54C	GM19	.....	2	20	723.20	565.00
4, 4½, 5	5	.....	G-54D	GM20	.....	2	4	1094.40	855.00
6	6	.....	G-54E	.....	.....	..	1	.....	.....

HEAVY DUTY GROUND CLAMPS

Size, In.	Catalog No. T & B	Gedney	Appleton	Efcor	Raco	Unit Pkg.	Std. Pkg.	Per 100 Less Ctn.	Ctn.
½—1	3902	G-54S	.....	.....	.....	5	10	$305.60	$238.75
1¼—2	3903	G-54SB	.....	.....	.....	5	10	497.60	388.75
2½—3½	3904	G-54SC	.....	.....	.....	2	4	.....	633.75
4 —5	3905	G-54SD	.....	.....	.....	2	4	.....	960.00
6	3906	G-54SE	.....	.....	.....	..	1	.....	1170.00
8	3907	G-54SF	.....	.....	.....	..	1	.....	1280.00
10	3908	.....	.....	.....	.....	..	1	.....	1600.00
12	3909	.....	.....	.....	.....	..	1	.....	1840.00
½ to 1	3902BU*	.....	.....	.....	.....	5	25	670.40	523.75
1¼ to 2	3903BU*	.....	.....	.....	.....	5	10	888.00	693.75
2 to 3½	3904BU*	.....	.....	.....	.....	2	4	1328.00	1037.50
4 to 5	3905BU*	.....	.....	.....	.....	2	4	2048.00	1600.00
6	3906BU*	.....	.....	.....	.....	..	1	.....	3870.00
8	3907BU*	.....	.....	.....	.....	..	1	.....	4210.00
10	3908BU*	.....	.....	.....	.....	..	1	.....	5240.00
12	3909BU*	.....	.....	.....	.....	..	1	.....	6100.00

*BU Series — All Bronze.

KELLEMS GRIPS

DELUXE CORD GRIPS



A stainless steel grip to remove strain from critical electrical connections by eliminating direct tension from the terminals. The fitting is oil and water tight.

Grip. Diam. Range	Grip Length In.	Male Thread Cat. No.	Male Thread Each	Female Thread Cat. No.	Female Thread Each
		Thread Size N.P.T.— ½"			
		074-01-		074-01-	
.19- .25	2⅛	004	$4.15	039	$4.35
.25- .31	2¾	005	4.15	040	4.35
.31- .37	3⅛	006	4.15	041	4.35
.37- .44	3¼	007	4.15	042	4.35
.44- .50	4⅛	008	4.15	043	4.35
.50- .56	4⅛	009	4.15	044	4.35
.56- .62	4¾	010	4.15	045	4.35
		Thread Size N.P.T.— ¾ "			
		074-01-		074-01-	
.19- .25	2⅛	011	$4.65	046	$5.25
.25- .31	2¾	012	4.65	047	5.25
.31- .37	3⅛	013	4.65	048	5.25
.37- .44	3½	014	4.65	049	5.25
.44- .50	4⅛	015	4.65	050	5.25
.50- .56	4	016	4.65	051	5.25
.50- .62	4¾	017	4.65	052	5.25
.62- .75	6	018	5.00	053	5.85
		Thread Size N.P.T.— 1"			
		074-01-		074-01-	
.50- .62	4⅜	019	$6.35	054	$5.85
.56- .69	4¾	020	6.35	055	5.85
.62- .75	6⅛	021	6.35	056	5.85
.68- .81	5⅛	022	6.35	057	5.85
.75- .87	5⅞	023	6.35	058	5.85
.81- .94	6	024	6.35	059	5.85
.87-1.00	6	025	6.35	060	5.85
		Thread Size N.P.T.— 1¼"			
		074-01-		074-01-	
.87-1.00	6	026	$8.90	061	$9.45
1.00-1.12	5⅜	027	8.90	062	9.45
1.12-1.25	5⅝	028	8.90	063	9.45
		Thread Size N.P.T.— 1½"			
		074-01-		074-01-	
.87-1.00	6	029	$10.40	064	$11.45
1.00-1.12	5½	030	10.40	065	11.45
1.12-1.25	5⅝	031	10.40	066	11.45
1.25-1.37	7¼	032	10.40	067	11.45

Also available in ¾" and 2" size.

DUA-PULL PULLING GRIPS

Provide the user with two major benefits — greater strength and increased adaptability. Used on all type conductors and pulling ropes and are color coded for easy on-site selection.

No.	Rope Dia. In.	Conductor Dia., In.	Color Code	Each
033-27-1037	.25-.49	.19-.37	Black	$22.50
033-27-1038	.50-.74	.38-.62	White	28.75
033-27-1039	.75-.99	.63-.87	Red	37.65
033-27-1040	1.00-1.24	.88-1.12	Blue	50.50
033-27-1041	1.25-1.49	1.13-1.37	Yellow	66.30
033-27-1042	1.50-1.75	1.38-1.90	Clear	93.50

GRIPS FOR SEALTITE® CONDUIT



Grips that prevent pullout of the flexible conduit from the rigid fitting, thus preventing downtime.

Insulated Throat
Straight with Male Fittings

Trade Size Dimensions Dia.	Lgth.	Cat. No. with T & B Fittings	Cat. No. with Appleton Fittings	Each
⅜	3	074-06-011	074-02-011	$ 3.20
½	3½	074-06-012	074-02-012	3.35
¾	4	074-06-013	074-02-013	4.30
1	5	074-06-014	074-02-014	5.20
1¼	6	074-06-015	074-02-015	6.50
1½	6¾	074-06-016	074-02-016	9.60
2	8	074-06-017	074-02-017	14.90
2½	9¾	074-06-018	074-02-018	40.00
3	11	074-06-019	074-02-019	48.50
4	14	074-06-020	074-02-020	56.00

STRAIN RELIEF GRIPS

For Use With Bus Drop Systems



Eliminates direct tension pull on terminals without damage to cable.

Cat. No.	Nom. Grip Dia. In.	Cable Dia. Range In.	Dim. M	Fitting Thread Size N.P.S.	Each
073-03-					
001	¼	.23- .31	2¾	⅛	$1.22
002	⅜	.29- .37	3¼	¼	1.28
003	⅜	.35- .44	3¾	¼	1.36
004	7/16	.41- .50	4	¼	1.42
005	½	.46- .56	4¼	¼	1.50
006	⅝	.52- .62	4½	⅜	1.56
007	⅝	.58- .68	4¾	⅜	1.63
008	¾	.64- .75	5	⅜	1.69
009	¾	.70- .81	5½	1	1.77
010	⅞	.75- .87	5¾	1	1.84
011	⅞	.81- .94	6	1	1.94
012	1	.87-1.00	6½	1	2.04
013	1	.94-1.06	6¾	1¼	2.16
014	1⅛	1.00-1.18	7¼	1¼	2.30
015	1⅛	1.06-1.25	8¾	1¼	2.46

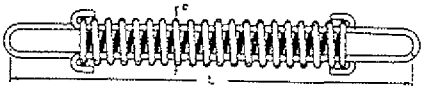
JUNIOR PULLING GRIPS



For pulling multiple insulated wires through conduit.

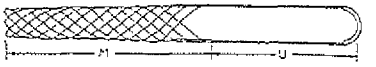
Diam. Range, In.	Cat. No. 033-05-	For Wire Sizes	Each
¼ to ⅜	001	2 #14 or equivalent	$2.00
⅜ to ½	002	2 to 3 #12 or equiv.	2.45
½ to ⅝	003	2 to 4 #10 or equiv.	2.55
⅝ to ¾	004	3 #8 or equiv.	3.10
¾ to 1	005	3 to 4 #6 or equiv.	3.55
1 to 1¼	006	2 to 3 #1/0 or equiv.	3.70

BUS DROP SAFETY SPRING



Cat. No. 203-02-	Max. Deflection	Break. Str'th. Lbs.	Dimens. Inches L	D	Each
001	2¼"- 45 lbs.	500	7¼	¾	$0.65
002	2⅝"-110 lbs.	850	8¼	1	1.00

BUS DROP GRIPS
STANDARD MODEL



Generally used with out Strain Relief Grips to provide a safe, neat and economical way to support flexible cable systems.

Cat. No.	Nom. Grip Dia. In.	Cable Dia. Range In.	Dimens. Inches U	M	Approx. Break. Str'th Lbs.	Each
073-04-						
001	¼	.23- .31	3	3¾	350	$0.82
002	5/16	.29- .37	4	4¼	350	.85
003	⅜	.35- .44	4	4⅝	450	.91
004	7/16	.41- .50	5	5	450	.97
005	½	.46- .56	6	5¼	550	1.06
006	9/16	.52- .62	7	6¼	1000	1.26
007	⅝	.58- .68	7	6½	1000	1.35
008	11/16	.64- .75	7	6¾	1100	1.38
009	¾	.70- .81	7	7¼	1100	1.42
010	13/16	.75- .87	8	8	1400	1.45
011	⅞	.81- .94	8	8¼	1400	1.50
012	15/16	.87-1.00	8	8¾	1500	1.54
013	1	.94-1.06	9	9	1500	1.60
014	1 1/16	1.00-1.18	9	9½	1500	1.66
015	1⅛	1.06-1.25	9	9½	1500	1.72

ROTATING EYE PULLING GRIPS

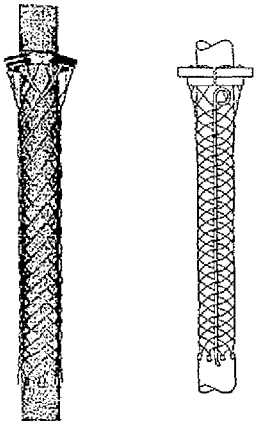
Used For Pulling Insulated Cable



Forged steel rotating eye, swaged to the strands of the Grip; varied mesh, tubular protectors and endless weave (no pigtails). Made of improved steel strand.

For Cable Diam. In.	Medium Mesh 20"–32" Cat. No. 033-01-	Medium Mesh Each	Standard Mesh 32"–44" Cat. No. 033-01-	Standard Mesh Each	Long Mesh 42"–58" Cat. No. 033-01-	Long Mesh Each
¾ to 1	013	$12.40	024	$13.85	.....	.....
1 to 1¼	014	13.00	.....	.....	.....	.....
1 to 1½	.....	.....	025	14.50	032	$16.00
1¼ to 1½	016	14.85	.....	.....	.....	.....
1½ to 2	017	16.20	026	18.15	033	19.43
2 to 2½	018	19.00	027	19.75	034	23.35
2½ to 3	019	21.75	028	25.50	035	26.99
3 to 3½	020	24.50	029	27.25	036	30.56
3½ to 4	021	27.30	030	31.25	037	34.56
4 to 4½	.....	.....	031	35.25	038	38.61
4½ to 5	.....	.....	.....	.....	039	42.25

CONDUIT RISER GRIPS



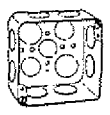
Kellems Conduit Riser Grip is made of tin-coated bronze wire with a tin-coated bronze Ring that seats on the end of the conduit. The Grip slips inside the conduit. A cap or bushing can be threaded on the conduit over the Ring. The perfect support for riser cable in conduit. Made in Single or Double Weave Closed, and Double Weave Split (with lacing) or Single Weave Split (with Rod Closing). In ordering give conduit size and cable size, and specify either closed or split type.

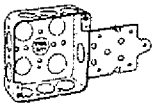
Conduit riser and ring grips are available in closed single weave; closed, double weave; double weave, split with lacing; and rod closing single weave, in conduit sizes from 1¼" to 6".

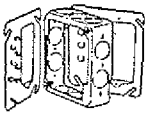
Price on Application

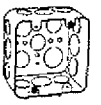
OUTLET BOXES

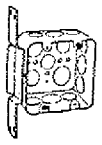
FOUR INCH SQUARE OUTLET BOXES


52171—¾

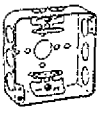

52151—8½

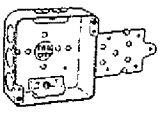

X 1¼—½ with two 52 C 10 Covers


2G4D


2G4DV—½ & ¾


52141-E—½


52151-X


52151-BN

For Rigid Metallic Conduit, EMT, Flexible Metallic Conduit

(No Clamps)

Steel City	Cat. No. Appleton	Raco	Depth Inches	Std. Pkg.	K.O.'s Side	K.O.'s Bottom	Wt. Lbs. Per 100	Std. Pkg. Price Per 100 Zone 1	Zone 2	Zone 3
52141-½	4SL½	185	1¼	50	10—½"	5—½"	62	$31.00	$32.90	$34.50
52151-½	4S½	190	1½	50	12—½"	5—½"	70	30.00	31.55	33.00
52151-¾	4S¾	191	1½	50	8—¾"	3—½", 2—¾"	70	31.40	32.90	34.50
52151-½ & ¾	4S Spl.	192	1½	50	8—½, 4—¾"	3—½", 2—¾"	70	31.40	32.90	34.50
52171-½	4SD½	230	2⅛	50	12—½"	3—½", 2—¾"	88	49.20	51.65	54.10
52171-¾	4SD¾	231	2⅛	50	8—¾"	3—½", 2—¾"	88	50.70	53.25	55.75
52171-½ & ¾	4SD Spl.	232	2⅛	50	8—½", 4—¾"	3—½", 2—¾"	88	50.70	53.25	55.75
52171-1	4SD1	233	2⅛	50	8—1"	3—½", 2—¾"	88	50.70	53.25	55.75
52151-B-½*	4SB½	193	1½	50	9—½"	5—½"	85	39.65	41.55	43.55
52151-B-½ & ¾*	4SB Spl.	195	1½	50	6—½", 3—¾"	3—½", 2—¾"	85	42.60	44.75	46.90
52151-V-½**	.....	197	1½	50	9—½"	5—½"	84	38.25	40.20	42.10
52151-V-½ & ¾**	4SVB Spl.	194	1½	50	6—½", 3—¾"	3—½", 2—¾"	84	39.65	41.55	43.55
2G-4D ½ & ¾†	.....	884	2⅛	50	8—½", 4—¾"	3—½", 2—¾"	92	79.45	83.40	87.40
2G-4DV ½ & ¾†	.....	885	2⅛	25	6—½", 3—¾"	3—½", 2—¾"	90	86.40	90.75	95.10
.....	.....	234**	2⅛	25	9—½"	5—½"	106.3	58.45	61.35	64.30
.....	.....	235**	2⅛	25	9—½", ⅞"	3—½", 2—⅞"	106.3	59.90	62.90	65.90

For Armored Cable — Flexible Metallic Conduit

Two C-3 Clamps — Two ⅞" pri-outs in each clamp side

52151-X	.....	213	1½	50	6—½"	1—½"	79	43.25	45.45	47.60
52151-BX*	4SBB	224	1½	50	3—½"	1—½"	95	50.50	53.00	55.85
52151-VX**	4SXVB	219	1½	50	3—½"	1—½"	90	48.95	51.40	53.85

For Non-Metallic Sheathed Cable, Non-Metallic Flexible Tubing (Loom)

Two C-5 Clamps — Two ⅞" pri-outs in each clamp side.

52151-N	4SR	211	1½	50	6—½"	1—½"	74	43.25	45.45	47.60
52151-BN*	4SRB	216	1½	50	3—½"	1—½"	95	51.80	54.40	57.00
52151-VN**	4SRVB	220	1½	50	3—½"	1—½"	86	47.50	49.90	52.25
.....	.....	240***	2⅛	25	3—½"	1—½"	100.7	66.65	70.00	73.30
.....	.....	241*	2⅛	25	4—½"	1—½"	100.1	67.85	71.25	74.65
.....	.....	242	2⅛	25	6—½"	1—½"	88.2	62.40	65.50	68.65

*B-Bracket Flush Mounted **V-Bracket Flush Mounted †Two Device Boxes — cars spaced for 2 std. devices or 1 heavy duty receptacle.

FOUR INCH SQUARE THRU-BOXES

Allows switches or receptacles to be installed in same box feeding both sides of shallow partition. Furnished with side holes for footed box support mounting.

X-1¾-½	4SLES	186	1¾	50	10—½"	.....	44	45.75	48.05	50.35
X-1½-½	.....	204	1½	50	12—½"	.....	52	46.20	48.05	50.80
X-1¼-¾	.....	.....	1¼	50	8—¾"	.....	52	47.45	49.80	52.90
X-1¼-½ & ¾	4SES	.....	1¼	50	8—½", 4—¾"	.....	52	47.45	49.80	52.50

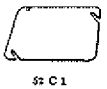
FOUR INCH SQUARE BOXES FOR 2" SOLID WALL CONSTRUCTION

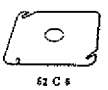
Fold out tabs lock box into solid position.

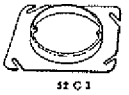
52141-E-½*	.....	.....	1¾	50	10—½"	5—½"	65	66.75	70.10	73.50
52141-ED-½*	.....	.....	1¾	50	10—½"	5—½"	65	66.75	70.10	73.50
X-1½-E-½*	.....	.....	1¼	50	10—½"	.....	47	75.60	79.45	83.20
X-1¼-ED-½**	.....	.....	1¼	50	10—½"	.....	47	75.60	79.45	83.20

*Tabs for ⅜" or ½" plasterboard **Tabs for ⅜" or 1" plasterboard

COVERS FOR FOUR INCH SQUARE BOXES


52 C 1

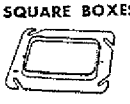

52 C 6


52 C 3

Steel City	Cat. No. Appleton	Raco	Description	Per 100 Zone 1	Zone 2	Zone 3
52 C 1	8465	752	Flat Blank	$11.45	$12.05	$12.60
52 C 6	8474	753	Flat ½" KO	11.45	12.05	12.60
52 C 3-½	8461A	787	*Raised ½"	15.60	16.40	17.20
52 C 3	8461	756	*Raised ⅝"	15.60	16.40	17.20
52 C 3-¾	8461B	759	*Raised ¾"	22.00	23.15	24.20
52 C 3-1	8461C	757	*Raised 1"	59.05	61.95	64.95
52 C 3-1¼	8461D	758	*Raised 1¼"	59.05	61.95	64.95

*Center blanked with tapped ears on 2⅜" centers.

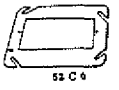
DRY WALL COVERS FOR FOUR INCH SQUARE BOXES

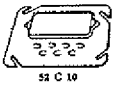

52 C 36

Steel City	Cat. No. Appleton	Raco	Description	Per 100 Zone 1	Zone 2	Zone 3
			Single Device			
52 C 36	8468WB	770	Raised ¾"	$15.10	$15.90	$16.65
			Two Devices			

DEVICE COVERS FOR FOUR INCH SQUARE BOXES

Single Device


52 C 0

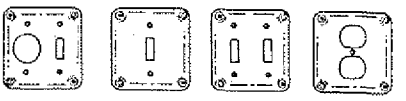

52 C 10


52 C 14


52 C 21

Steel City	Cat. No. Appleton	Raco	Description	Per 100 Zone 1	Zone 2	Zone 3
.....	.....	768	Raised ⅝"	$16.50	$17.35	$18.15
52 C 0	8468F	787	Flat	16.30	17.05	17.90
52 C 62	8468B	771	*Raised ¾"	13.00	13.65	14.30
52 C 10	8475	755	**Raised ¼"	26.00	27.30	28.55
52 C 13	8468A	772	Raised ½"	14.50	15.20	15.95
52 C 14	8468	773	Raised ⅝"	17.05	17.90	18.70
52 C 15	8466A	774	Raised 1"	20.50	21.45	22.45
52 C 16	8466	775	Raised 1¼"	21.45	22.55	23.60
*Keyed for Plaster			Two Devices		**Offset Keyed for Plaster	
.....	.....	769	Raised ⅝"	$21.75	$22.85	$23.95
52 C 00	8470F	791	Flat	21.25	22.30	23.40
52 C 20	8470B	777	Raised ¼"	21.00	22.10	23.10
52 C 17	8470A	778	Raised ½"	21.45	22.55	23.60
52 C 18	8470	779	Raised ⅝"	22.00	23.15	24.20
52 C 19	8469A	780	Raised 1"	31.15	32.70	34.20
52 C 21	8469	781	Raised 1¼"	33.00	34.60	36.25

SURFACE COVERS FOR FOUR INCH SQUARE BOXES GALVANIZED — ½" DEEP

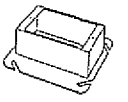

RS-5 RS-12

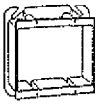
Steel City	Cat. No. Appleton	Raco	Description
RS-1	.....	805	For 1 Tog. Sw. & 1 Recept.
RS-2	8375	806	For 1 Tog. Sw. & 1 Dupl. Fl. Recept.
RS-3	.....	.....	For 1 Sgl. & 1 Dupl. Fl. Recept.
RS-4	.....	812	For one 4-wire Twist Lock Recept.
RS-5	8367	803	For 2 Sq. Handle Tog. Sw.
RS-6	.....	808	For "Despard" Type wiring dev. with 3 KO's & one 3-hole straps
RS-7	.....	809	For "Despard" Type wiring dev. with 6 KO's & two 3-hole straps
RS-8	8371	807	For 2 Dupl. Recept.
RS-9	8361	800	For 1 Tog. Sw.
RS-10	8369	804	For 2 Sgl. Fl. Recept.
RS-11	8363	801	For 1 Sgl. Fl. Recept.
RS-12	8365	802	For 1 Dupl. Recept.
RS-13	.....	813	For one 30 or 50A., Dryer or Range
RS-14	.....	.....	For 30 to 60 amp. Recept.
RS-15	.....	811	For 30 amp. 250 V. Twist Lock Recept.

Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Zone 2	Zone 3
RS-1	.....	805	$27.10	$28.40	$29.80
RS-2	8375	806	27.60	28.95	30.30
RS-3	.....	.....	31.50	33.00	34.60
RS-4	.....	812	27.10	28.40	29.80
RS-5	8367	803	27.10	28.40	29.80
RS-6	.....	808	52.80	55.40	58.05
RS-7	.....	809	65.30	68.50	71.80
RS-8	8371	807	27.10	28.40	29.80
RS-9	8361	800	24.70	25.90	27.10
RS-10	8369	804	29.00	30.50	31.95
RS-11	8363	801	25.80	27.10	28.40
RS-12	8365	802	25.80	27.10	28.40
RS-13	.....	813	28.40	29.85	31.30
RS-14	.....	.....	29.00	30.50	31.95
RS-15	.....	811	27.60	28.95	30.30

SQUARE CORNERED TILE WALL COVERS FOR FOUR INCH SQUARE BOXES

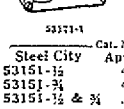

52 C 49-½


52 C 50-1½


52 C 52-½

Steel City	Cat. No. Appleton	Raco	Raised	Per 100 Zone 1	Zone 2	Zone 3
			Single Device			
52 C 49-½	846-50	782	½"	$39.40	$41.40	$43.40
52 C 49-¾	846-75	783	¾"	40.65	42.70	44.70
52 C 49-1	846-100	784	1"	41.95	44.00	46.15
52 C 49-1¼	846-125	790	1¼"	43.10	45.20	47.45
52 C 50-1½	846-150	785	1½"	44.40	46.60	48.80
52 C 51-2	846-200	786	2"	45.50	47.80	50.10
			Two Devices			
52 C 52-½	847-50	792	½"	$44.40	$46.60	$48.80
52 C 52-¾	847-75	793	¾"	45.50	47.80	50.10
52 C 52-1	847-100	794	1"	46.80	49.20	51.60
52 C 52-1¼	847-125	797	1¼"	47.95	50.40	52.80
52 C 53-1½	847-150	795	1½"	49.35	51.80	54.30
52 C 54-2	847-200	796	2"	50.50	53.00	55.55

FOUR INCH SQUARE BOX EXTENSIONS


53171-1

Slot and keyed notch design permits mounting on box without removing screws.

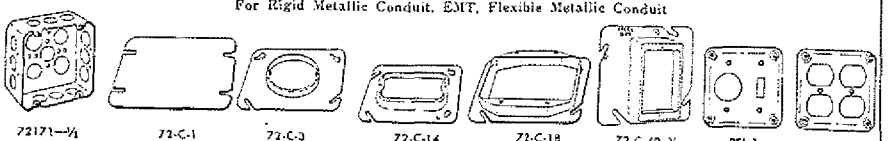
1½" Deep

Steel City	Cat. No. Appleton	Raco	Side KO's	Per 100 Zone 1	Zone 2	Zone 3
53151-½	4SE½	201	12—½"	$37.90	$39.80	$41.65
53151-¾	4SE¾	202	8—¾"	39.35	41.30	43.30
53151-½ & ¾	.....	203	8—½", 4—¾"	39.35	41.30	43.30
			2⅛" Deep			
53171-½ & ¾	.....	.....	8—½", 4—¾"	66.00	68.30	71.60

OUTLET BOXES

4-11/16" SQUARE BOXES

For Rigid Metallic Conduit, EMT, Flexible Metallic Conduit



72171—½ | 72-C-1 | 72-C-3 | 72-C-14 | 72-C-18 | 72-C-49—¾ | RSL-1 | RSL-8

Steel City	Cat. No. Appleton	Raco	Depth Inches	Std. Pkg.	KO's Side	KO's Bottom	Wt. Lbs. Per 100	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
72151-½	4SJ½	245	1½	25	12—½"	3—½", 2—¾"	88	$55.75	$58.60	$61.35
72151-¾	4SJ¾	246	1½	25	10—¾"	3—½", 2—¾"	88	55.75	58.60	61.35
72151-½ & ¾	4SJ Spl.	247	1½	25	8—½", 4—¾"	3—½", 2—¾"	88	55.75	58.60	61.35
72171-½	4SJD½	255	2⅛	25	12—½"	3—½", 2—¾"	108	63.55	66.70	69.90
72171-¾	4SJD¾	256	2⅛	25	12—¾"	3—½", 2—¾"	118	63.55	66.70	69.90
72171-½ & ¾	4SJD Spl.	257	2⅛	25	8—½", 4—¾"	3—½", 2—¾"	118	63.55	66.70	69.90
72171-1	4SJD1	258	2⅛	25	8—1"	3—½", 2—¾"	118	63.55	66.70	69.90
72171-¾ & 1	4SJD¾-1	265	2⅛	25	4—¾", 4—1"	3—½", 2—¾"	108	63.55	66.70	69.90
72171-1¼	4SJD1-¼	259	2⅛	25	8—1¼"	3—½", 2—¾"	108	63.55	66.70	69.90
For Non-Metallic Sheathed Cable, Non-Metallic Flexible Tubing (Loom) Two C-5 Clamps—Two 21/32" Pri-outs in each clamp side										
.....	.....	267	2⅛	25	6—½"	1—½"	11.2	76.60	80.45	84.25
.....	.....	268*	2⅛	20	3—½"	1—½"	125.8	82.15	86.25	90.35
.....	.....	269	2⅛	20	4—½"	1—½"	123.4	80.90	84.95	89.00

COVERS FOR 4-11/16" SQUARE BOXES

Steel City	Cat. No. Appleton	Raco	Std. Pkg.	Description	Wt. Lbs. Per 100	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
72 C 1	8487	832	25	Flat Blank	44	$19.70	$20.70	$21.70
72 C 8	.....	833	25	Flat with ½" KO	44	24.15	25.35	26.60
72 C 3	8488	835	25	*Raised ⅝"	40	33.90	35.60	37.30
72 C 3-½	8488A	829	25	*Raised ½"	36	34.50	36.30	38.00
72 C 3-¾	8488B	830	25	*Raised ¾"	44	54.75	57.45	60.20
72 C 3-1	.....	831	25	*Raised 1"	48	77.75	81.65	85.55

*Center blanked with tapped ears on 2⅜" centers.

DEVICE COVERS FOR 4-11/16" SQUARE BOXES

				Single Device				
72 C 62	.....	836	25	Raised ¼"	37	34.20	35.90	37.70
72 C 13	8485A	837	25	Raised ½"	40	35.00	36.75	38.50
72 C 14	8485	838	25	Raised ⅝"	48	35.00	36.75	38.50
72 C 15	.....	839	25	Raised 1"	52	35.00	36.75	38.50
72 C 16	.....	842	25	Raised 1 ¼"	53	38.05	39.95	41.85
.....	.....	843	25	Raised ⅝"	40	34.95	36.70	38.45
				Two Devices				
.....	.....	817	25	Raised ¼"	24	38.00	39.90	41.80
72 C 17	8486A	841	25	Raised ½"	32	38.05	39.95	41.95
72 C 18	8486	840	25	Raised ⅝"	40	38.05	39.95	41.95
72 C 19	.....	819	25	Raised 1"	44	50.90	53.40	55.90
72 C 21	.....	820	25	Raised 1 ¼"	46	53.25	55.90	58.60
.....	.....	818	25	Raised ⅝"	33	38.00	39.90	41.80

SQUARE CORNERED TILE WALL COVERS FOR 4-11/16" SQUARE BOXES

				Single Device				
.....	.....	894	25	Raised ½"	41	74.15	77.85	81.55
72 C 49-¾	.....	895	25	Raised ¾"	26	76.40	80.20	84.00
72 C 49-1	.....	896	25	Raised 1"	28	76.40	80.20	84.00
72 C 49-1 ¼	.....	897	25	Raised 1 ¼"	34	80.05	84.10	88.10
72 C 50-1 ½	.....	898	20	Raised 1 ½"	37	80.05	84.10	88.10
72 C 51-2	.....	899	20	Raised 2"	45	80.05	84.10	88.10
				Two Devices				
.....	.....	881	25	Raised ½"	34	80.10	84.10	88.10
72 C 52-¾	.....	882	25	Raised ¾"	23	82.60	86.70	90.80
72 C 52-1	.....	883	25	Raised 1"	28	82.60	86.70	90.80
72 C 52-1 ¼	.....	884	25	Raised 1 ¼"	32	86.15	90.50	94.80
72 C 53-1 ½	.....	885	20	Raised 1 ½"	35	86.15	90.50	94.80
72 C 54-2	.....	886	20	Raised 2"	45	86.15	90.50	94.80

SURFACE COVERS FOR 4-11/16" SQUARE BOXES

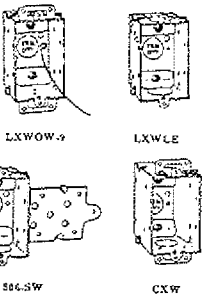
				½" Deep				
RSL-1	.....	875	10	For one toggle switch and one single flush receptacle	60	64.55	67.85	71.05
RSL-2	.....	876	10	For one toggle switch and one duplex flush receptacle	35	64.55	67.85	71.05
RSL-4	.....	887	10	For 1 four-wire twist lock receptacle	60	64.55	67.85	71.05
RSL-5	.....	873	10	For two toggle switches	50	64.55	67.85	71.05
RSL-8	.....	877	10	For two duplex flush receptacles	50	63.40	66.55	69.75
RSL-12	.....	872	10	For one Duplex Receptacle	55	60.40	63.50	66.50

SWITCH BOXES

GANGABLE — SQUARE CORNERS

For: Non-Metallic Sheathed Cable
Non-Metallic Flexible Tubing (Loom)

2" Wide — 3" Long — C-5 Clamps
Two ⅞" Pri-outs in each end



LXWOW-9 | LXWLE | 806-SW | CXW

Steel City Cat. No.	Description Ears	Leveling Bumps	Nail Holes	KO's & Pri-outs Each Side	Each End	Bottom
			2" Deep			
LXMW	Yes*	Yes	Yes	.....	Pri-outs	1—½"
LX3IWOW Old work	Yes*	No	Yes	.....	Pri-outs	1—½"
			2½" Deep			
LXW	Yes	Yes	Yes	.....	Pri-outs	1—½"
LXWOW Old work	Yes	No	Yes	.....	Pri-outs	1—½"
LXWOW-9†	Yes	No	Yes	.....	Pri-outs	1—½"
LXWLE	No	Yes	Yes	.....	1—½" & Pri-outs	1—½"
LXWV**	No	No	No	.....	1—½" & Pri-outs	1—½"
LXWV-9†**	No	No	No	.....	1—½" & Pri-outs	1—½"
LXWV-2G**	No	No	No	.....	2—½" & Pri-outs	2—½"
806-SW	No	Yes	No	.....	1—½" & Pri-outs	1—½"
806-SW-9†	No	Yes	No	.....	1—½" & Pri-outs	1—½"
			2¾" Deep			
CWN	Yes	No	Yes	2—½"	Pri-outs	1—½"
CWNV**	No	No	No	2—½"	Pri-outs	1—½"
			3½" Deep			
CXW	Yes*	No	Yes	.....	1—½" & Pri-outs	1—½"
CXWV**	No	No	No	.....	1—½" & Pri-outs	1—½"

*2 Screw Ears, all others 1 Screw
†#6" Ground Wire factory installed
**V Bracket recessed ⅜"

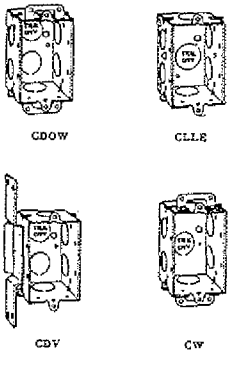
Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
LXMW	383	445	$37.20	$39.10	$40.95
LXMWOW	383	445	37.20	39.10	40.95
LXW	384	537	31.80	33.40	34.90
LXWOW	384	519	31.80	33.40	34.90
LXWOW-9	.....	512	41.20	43.30	45.40
LXW-LE	.....	528	27.70	29.10	30.50
LXWV	V8PL	531	34.00	35.70	37.35
LXWV-9	.....	514	43.20	45.40	47.60
LXWV-2G	.....	543	63.55	66.70	69.90
806-SW	384NL	529	35.15	36.90	38.65
806-SW-9	.....	.....	41.25	43.30	45.35
CWN	389	567	43.05	45.20	47.45
CWNV	389VB	564	45.10	47.35	49.60
CXW	.....	601	51.70	54.30	56.90
CXWV	.....	605	53.80	56.45	59.20

SWITCH BOXES

GANGABLE — SQUARE CORNERS

For: Rigid Metallic Conduit
Electrical Metallic Tubing
Flexible Metallic Conduit

2" Wide — 3" Long — No Clamps



CDOW | CLLE | CDV | CW

Steel City Cat. No.	Description 2 Screw Ears	Leveling Bumps	Nail Holes	KO's Each Side	Each End	Bottom
			2" Deep			
CL	Yes	Yes	Yes	2—½"	1—½"	1—½"
CLLE	No	Yes	Yes	2—½"	1—½"	1—½"
			2½" Deep			
CD	Yes	Yes	Yes	2—½"	1—½"	2—½"
CDOW Old work	Yes	No	Yes	2—½"	1—½"	2—½"
CDLE	No	Yes	Yes	2—½"	1—½"	2—½"
CDV V-Bracket recessed ⅜"	No	No	No	*2—½"	1—½"	2—½"
			2¾" Deep			
CW-½	Yes	No	Yes	2—½"	1—½"	1—½"
CW-¾	Yes	No	Yes	2—¾"	1—¾"	1—¾"
CWV-½ V-Bracket recessed ⅜"	No	No	No	*2—½"	1—½"	1—½"

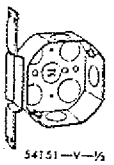
Steel City Cat. No.	Description 2 Screw Ears	Leveling Bumps	Nail Holes	KO's Each Side	Each End	Bottom
			3½" Deep			
CY-½	Yes	No	Yes	2—½"	2—½"	1—½"
CY-¾	Yes	No	Yes	2—¾"	2—¾"	1—½"

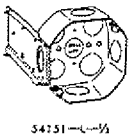
*One Side only

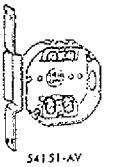
Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
CL	111	420	$30.10	$31.60	$33.15
CLLE	111LE	421	24.60	25.80	27.00
CD	222	500	29.55	31.00	32.55
CDOW	222	500	29.60	31.00	32.55
CDLE	222LE	501	24.75	26.00	27.30
CDV	.....	504	31.90	33.55	35.15
CW-½	333	560	33.50	35.20	36.90
CW-¾	335	565	34.45	36.20	37.90
CWV	.....	562	38.00	39.95	41.85
CY-½	.....	590	40.30	42.30	44.40
CY-¾	336	591	41.70	43.80	45.85

OUTLET BOXES

FOUR INCH OCTAGON BOXES

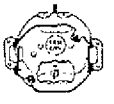

54151—V—½

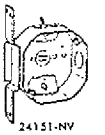

54151—L—½


54151-AV


54171-N


54151-N


54151-NE


54151-NV


55171—½ & ¾

For Rigid Metallic Conduit, EMT, Flexible Metallic Conduit

Steel City	Cat. No. Appleton	Raco	Depth Inches	Std. Pkg.	KO's Side	KO's Bottom	Wt. Lbs. Per 100	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
54151-½	40½	125	1½	50	4—½"	5—½"	55	$23.90	$25.15	$26.35
54151-¾	40¾	126	1½	50	4—¾"	3—½", 2—¾"	56	24.45	25.65	26.90
54151-½ & ¾	40 Spl.	127	1½	50	2—½", 2—¾"	3—½", 2—¾"	55	24.45	25.65	26.90
54151-V-½*	40VB½	161	1½	50	3—½"	5—½"	64	31.30	32.85	34.45
54151-L-½	.....	158	1½	50	4—½"	5—½"	70	32.55	34.20	35.80
54171-¾	40D¾	165	2⅛	50	4—½"	5—½"	68	31.55	33.10	34.70
54171-¾	40D¾	166	2⅛	50	4—¾"	3—½", 2—¾"	68	33.75	35.45	37.10
54171-½ & ¾	40D Spl.	167	2⅛	50	2—½", 2—¾"	3—½", 2—¾"	68	33.75	35.45	37.10
54171-1	40D1	168	2⅛	50	4—1"	3—½", 2—¾"	68	35.90	37.65	39.50

For Armored Cable (BX) Flexible Metallic Tubing

Two CA-1 Clamps — Two ½" Pri-Outs in Each Clamp Side

54151-A	551L	153	1½	50	2—½"	1—½"	63	34.50	36.30	37.95
54151-AV*	.....	155	1½	50	1—½"	1—½"	71	43.15	45.40	47.50
54151-AL	551LJB	157	1½	50	2—½"	1—½"	76	44.60	46.80	49.05

*Bracket Recessed ½"

For Non-Metallic Sheathed Cable and Non-Metallic Flexible Tubing (Loom)

Two CN-1 Clamps — Four ½" Pri-Outs Under Each Clamp

54151-N	561L	149	1½	50	2—½"	1—½"	60	34.05	35.75	37.50
54151-NE*	561LXE	150	1½	50	2—½"	1—½"	65	46.15	48.40	50.70
54151-NL	561LJB	156	1½	50	2—½"	1—½"	72	42.10	44.15	46.30
54151-NV**	561LVB	159	1½	50	1—½"	1—½"	70	41.80	43.85	45.90
54171-N	561LD	175	2⅛	50	2—½"	1—½"	75	44.60	46.80	49.05
54171-NL	561LDJB	176	2⅛	50	2—½"	1—½"	80	54.75	57.45	60.20

*With Ears **Bracket Recessed ½"

THREE AND ONE-HALF INCH OCTAGON BOXES

For Non-Metallic Sheathed Cable, Non-Metallic Flexible Tubing (Loom)

Two CN-1 Clamps — Four ½" Pri-Outs Under Each Clamp

24151-N	560L	112	1½	50	2—½"	1—½"	48	34.05	35.75	37.50
24151-NE*	560LXE	113	1½	50	2—½"	1—½"	66	46.15	48.40	50.70
24151-NV**	.....	119	1½	50	1—½"	1—½"	65	41.80	43.85	45.90

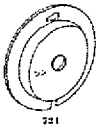
*With Ears **Bracket Recessed ½"

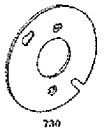
FOUR INCH OCTAGON BOX EXTENSIONS

Slot and Key Design Permits Box Mounting Without Removing Screws

56151-½	4OE½	128	1½	50	4—½"	39	29.50	30.95	32.40
55151-½ & ¾	4OE Spl.	130	1½	50	2—½", 2—¾"	39	31.00	32.55	34.10
55171-½ & ¾	.....	172	2⅛	50	2—½", 2—¾"	60	45.45	47.75	50.05
55171-1	.....	.....	2⅛	50	4—1"	60	47.65	50.10	52.50

COVERS FOR OCTAGON AND ROUND BOXES


721

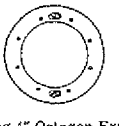

730


731

Steel City	Cat. No. Appleton	Raco	Description	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
54 C 1*	8301A	702	Flat Blank	$ 8.85	$ 9.30	$ 9.80
54 C 1	8403	722	Flat Blank	8.70	9.15	9.60
54 C 6*	8320	703	Flat ½" KO	9.60	10.10	10.55
54 C 6	8413	724	Flat ½" KO	8.85	9.30	9.80
54 C 7	.....	725	Raised ⅜" with ½" KO	18.40	19.30	20.25
54 C 3-½	8409	737	†Raised ½"	14.80	15.60	16.30
54 C 3	8409A	727	†Raised ⅜"	14.80	15.60	16.30
54 C 3-1	.....	732	†Raised 1"	42.25	44.30	46.45
54 C 3-1¼	8409D	733	†Raised 1¼"	47.50	49.90	52.25
54 C 12	.....	721	Raised ⅜", ½" hole	19.95	20.95	21.90
54 C 14	.....	728	Raised ⅜" for single device	18.55	19.50	20.40
5401-LR	8419LR	730	Flat, Center Blanked for single recep.	18.85	19.80	20.80
5402-LR	8420LR	731	Flat, Center Blanked for duplex recep.	18.85	19.80	20.80

*For 3½" octagon - - all others for 4" octagon.
†Center blanked with tapped ears on 2 ½" center.

CONCRETE BOX ADAPTER


CBA

For mounting 4" Octagon Extension ring on concrete box or hung ceiling box.

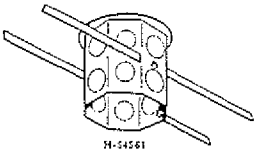
Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
CBA	.....	893	$25.90	$27.20	$28.50

PLATES FOR 4" OCTAGON CONCRETE BOXES


CBP-⅜

Steel City	Cat. No. Appleton	Raco	KO's	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
CBP	OCP	890	No Stud 3—½", 2—¾"	$16.95	$17.80	$18.65
CBP-⅜	OCP-⅜	891	⅜" Stud 2—½", 2—¾"	23.65	24.90	26.05

FOUR INCH OCTAGON HUNG CEILING BOX


H-54561

No. H-54561-½ & ¾ has two rows of ½" and ¾" KO's. No. H-54561-¾ has two rows of ¾" KO's.

Steel City	Cat. No. Appleton	Raco	Depth Inches	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
H-54561-½ & ¾	.....	280	3½	$90.75	$95.30	$99.85
H-54561-¾	.....	281	3½	90.75	95.30	99.85

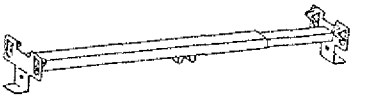
BARS FOR HUNG CEILING BOXES

Two bars for each box — order bars separately

Steel City	Cat. No. Appleton	Raco	Length Inches	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
HBB-18	.....	916	18	$14.80	$15.60	$16.30
HBB-24	.....	917	24	18.55	19.50	20.40
HBB-30	.....	918	30	22.15	23.30	24.35

ADJUSTABLE BAR HANGERS

Packaged complete with stud or clip



For ½", ¾", ⅞" Lath and Plaster

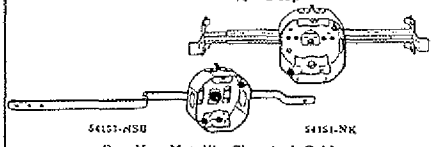
Steel City	Cat. No. Appleton	Raco	Bar Length Inches	with	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
6010-P	SX115	924	10⅜-18½	stud	$33.55	$35.20	$36.90
6010-AP	SX160	925	14⅜-26½	stud	38.65	40.55	42.55
6011-P	SX18	926	10⅜-18½	clip	31.25	32.75	34.40
6011-AP	SX26	927	14⅜-26½	clip	36.30	38.10	39.90

For ⅜", ½", ⅝" Dry Wall Board

6010-DW	.....	924	10½-18½	stud	$33.55	$35.20	$36.90
6010-ADW	.....	925	14½-26½	stud	38.20	40.10	42.00
6011-DW	.....	926	10½-18½	clip	31.25	32.75	34.40
6011-ADW	.....	927	14½-26½	clip	38.20	40.10	42.00

FOUR INCH OCTAGON BOX BAR SETS

All Boxes 1½" Deep


54151-NSB 54151-NK

For Non-Metallic Sheathed Cable, Non-Metallic Flexible Tubing

Steel City	Cat. No. Appleton	Raco	Mounted On
		With Stud	
54151-NJ	SX-115-561L	326 or 333	6010-P
54151-NF	.....	326 or 333	6010-DW
54151-NO	.....	332	6010-AP
54151-NSB	BHS561L	313	6101
		With Clip	
54151-NK	.....	329	6011-P
54151-NG	.....	329	6011-DW
54151-NP	.....	.....	6011-AP

Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
54151-NJ	SX-115-561L	326 or 333	$71.60	$75.15	$78.75
54151-NF	.....	326 or 333	71.60	75.15	78.75
54151-NO	.....	332	76.60	80.45	84.25
54151-NSB	BHS561L	313	68.20	71.65	75.00
54151-NK	.....	329	68.60	72.05	75.50
54151-NG	.....	329	68.60	72.05	75.50
54151-NP	.....	.....	76.60	80.45	84.25

4" OCTAGON CONCRETE BOX RINGS & PLATES


54561-½ & ¾

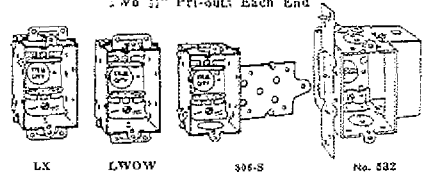
½" K.O.'s or ¾" K.O.'s or ¾" and 1" K.O.'s available in 3", 3½" and 4" deep boxes. ¾" and 1" K.O.'s available in 5" deep boxes.

Steel City	Cat. No. Appleton	Raco	Depth Inches	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
54531-¾ & ¾		OCR2	270	2	$ 46.20	$ 48.50	$ 50.80
54541-½ & ¾		OCR2½	271	3½	47.50	49.90	52.25
54551-½ & ¾		OCR3	272	3	50.50	53.00	55.55
54561-½ & ¾		OCR3½	273	3½	56.15	59.00	61.80
54571-½ & ¾		OCR4	274	4	69.20	72.70	76.15
54581-½ & ¾		.....	275	5	87.85	92.25	96.65
54591-½ & ¾			276	6	109.25	114.75	120.25

SWITCH BOXES

GANGABLE — SQUARE CORNERS

For: Armored Cable, Flexible Metallic Conduit
2" Wide — 3" Long — C-3 Clamps in Each End
Two ½" Pri-outs Each End



LX LWOW 806-S No. 532

Steel City Cat. No.	Ears	Description Leveling Bumps	Nail Holes	KO's & Pri-outs Each Side	Each End	Bottom
		2" Deep				
LXMOW Old Work	Yes*	No	Yes	..... Pri-outs		1—½"
		2½" Deep				
LX	Yes	Yes	Yes	..... Pri-outs		1—½"
LXWOW	Yes	No	Yes	..... Pri-outs		1—½"
LXLE	No	Yes	Yes	..... 1—½" & Pri-outs		1—½"
LXV**	No	No	No	..... 1—½" & Pri-outs		1—½"
806-S***	No	Yes	No	..... 1—½" & Pri-outs		1—½"
* 525***	No	....	....	Pri-outs	1—½" & Pri-outs	1—½"
* 532**	No	....	....	Pri-outs	1—½" & Pri-outs	1—½"

*536 Expanded Side only Fits 3"x2"x2½" Gangable Switch

		3½" Deep			
CX	Yes*	No	Yes	1—½" & Pri-outs	1—½"

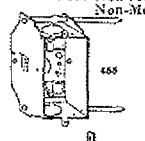
*2 screw ears **V-Bracket recessed ⅛" ***S-Bracket recessed ⅝"

Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Zone 2	Zone 3
LXMOW	171F	440	$37.90	$39.80	$41.65
LX	173F	.....	34.50	36.20	37.90
LXWOW	384	518	31.80	33.40	34.90
LXLE	173LE	521	31.90	33.50	35.10
LXV	173FVB-PL	524	36.00	37.75	39.60
806-S	173FNL	522	38.05	39.95	41.85
CX	175F	600	61.60	64.60	67.70
.....	.....	525	50.20	52.70	55.20
.....	.....	532	48.60	51.05	53.45
.....	.....	536	16.25	17.05	17.90

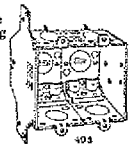
* Raco No. Only.

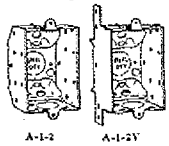
WELDED NON-GANGABLE — BEVELED CORNERS

For: Non-Metallic Sheathed Cable
Non-Metallic Flexible Tubing (Loom)



2¼" Deep —
2" Wide —
3"Long





A-1-2 A-1-2V

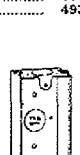
C-1 (two hole) clamps mounted thru the beveled box corners, tapped holes in box bottom and beveled corners so that clamp may be re-positioned when necessary.

Steel City	Cat. No. Raco	Ears	16d Nails Descrip.	Nail Holes	KO's & ½" Pri-outs Each Side	Each End	Bottom
A-1-2	496	No	.....	Yes	No	1—½" & Pri-outs	1—½"
A-1-2E	482	Yes	.....	Yes	No	1—½" & Pri-outs	1—½"
A-1-2V	491	No	.....	Yes	No	1—½" & Pri-outs	1—½"
.....	455	No	Yes	Yes	No	1—½" & Pri-outs	1—½"
.....	493*	No	.....	Yes	No	2—½" & Pri-outs	2—½"

*2-Gang Box.

Steel City	Cat. No. Raco	Appleton	Zone 1	Per 100 Zone 2	Zone 3
A-1-2	496	388LES	$24.10	$25.35	$26.60
A-1-2E	482	.....	28.55	30.00	31.45
A-1-2V	491	.....	33.00	34.70	36.35
.....	455	388LESN	30.80	32.35	33.90
.....	493	388VB-PL2G	57.35	60.20	63.10

GANGABLE



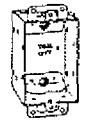
CB

For: Rigid Metallic Conduit
Electrical Metallic Conduit
Flexible Metallic Conduit

2" Wide — 4" Long — 1¾" Deep
No Clamps
One ¾" KO each end, one ½" KO in bottom

Steel City	Cat. No. Appleton	Raco	Zone 1	Per 100 Zone 2	Zone 3
CB	778	622	$37.60	$39.35	$41.25

NON-GANGABLE



SWB

For: Non-Metallic Sheathed Cable
Non-Metallic Flexible Tubing (Loom)
One Piece Construction
2" Wide — 3" Long — 1½" Deep
End-bottom Pri-outs — each end

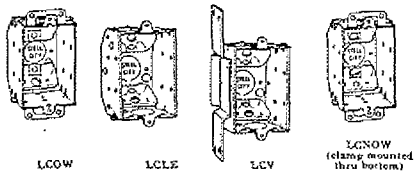
Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Zone 2	Zone 3
SWB	95	410	$34.40	$31.95	$33.45

GANGABLE — BEVELED CORNERS

For: Non-Metallic Sheathed Cable
Non-Metallic Flexible Tubing (Loom)

2" Wide — 3" Long — 2½" Deep

C-1 (two hole) clamps mounted thru the beveled box corners. Tapped holes in box bottom and beveled corners so that clamp may be re-positioned when necessary.



LCOW LCLE LCV LCNOW (clamp mounted thru bottom)

Steel City Cat. No.	Ears	Description Leveling Bumps	Nail Holes	KO's & ½" Pri-outs Each Side	Each End	Bottom
LC	Yes	Yes	Yes	.....	Pri-outs	1—½"
LCOW Old work	Yes	No	Yes	.....	Pri-outs	1—½"
LCLE	No	Yes	Yes	.....	1—½" & Pri-outs	1—½"
LCV*	No	No	No	.....	1—½" & Pri-outs	1—½"
802-S**	No	Yes	No	.....	1—½" & Pri-outs	1—½"
LCNOW	Yes	No	Yes	.....	Pri-outs	1—½"

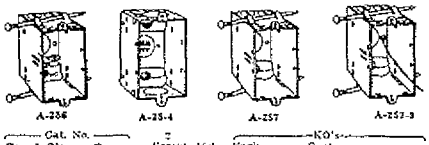
*V-Bracket recessed ⅜" **S-Bracket recessed ⅝"

Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Zone 2	Zone 3
LC	388	484	$29.55	$31.00	$32.55
LCOW	388	471	29.55	31.00	32.55
LCLE	388LE	473	26.20	27.50	28.90
LCV	388VB	474	32.15	33.75	35.35
802-S	388NL	477	33.00	34.70	36.35
LCNOW	44	371	30.30	31.85	33.40

WELDED NON-GANGABLE — SQUARE CORNERS

For: Non-Metallic Sheathed Cable
Non-Metallic Flexible Tubing (Loom)

2" Wide — 3" Long — 2½" Deep
C-5 Clamp Each End



A-256 A-25-4 A-257 A-257-9

Steel City	Cat. No. Raco	Screw Ears	16d Nails	KO's Each Side	Each End	Bottom
A-25-4	596	No	No	No	1—½" & Pri-outs	1—½"
A-25-4-V*	541	No	No	No	1—½" & Pri-outs	1—½"
A-257	555	No	Yes	No	1—½" & Pri-outs	1—½"
A-257-9**	516	No	Yes	No	Pri-outs	1—½"
.....	543†	No	No	No	2—½" & Pri-outs	2—½"
.....	2¾" Wide, 3" Long, 2½" Deep 341*	No	No	No	1—½" & Pri-outs	1—½"
.....	355	No	Yes	No	1—½" & Pri-outs	1—½"
.....	356	No	No	No	1—½" & Pri-outs	1—½"
16DWN	395	No	Yes	No	1—½" & Pri-outs	1—½"
16WN	396	No	No	No	1—½" & Pri-outs	1—½"
	For: Armored Cable — C-3 Clamps Each End					
A-256	557	No	Yes	No	1—½" & Pri-outs	1—½"
.....	553†	No	No	No	2—½" & Pri-outs	2—½"

†2-Gang Box.
*V-Bracket recessed 1¼". **⅝" grounding wire factory installed.

Steel City	Cat. No. Raco	Appleton	Zone 1	Per 100 Zone 2	Zone 3
A-25-4	596	384LE	$27.80	$29.20	$30.55
A-25-4V	541	.....	33.90	35.60	37.30
A-257	555	385LESN	33.00	34.70	36.35
A-257-9	516	385LESNPT	41.00	43.10	45.15
.....	543	.....	63.60	66.80	69.95
.....	553	.....	69.00	72.45	75.90
A-256	557	386LESN	33.45	35.15	36.75
.....	341	.....	33.45	35.10	36.80
.....	355	.....	34.75	36.50	38.25
.....	356	.....	32.60	34.25	35.85
16DWN	395	.....	32.10	33.70	35.30
16WN	396	.....	29.40	30.85	32.35

SWITCH BOXES

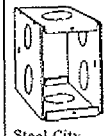
2½" & 3½" MASONRY BOXES

½" and ¾" Concentric Knockouts
For Mounting in Tile, Marble or Concrete Block Walls

Steel City Cat. No.	No. of Gangs	Width Inches	KO's Each Side	Each End	Bottom
		2½" Deep, 3¼" High			
GW-125-C	1	1⅞	2	1	2
GW-225-C	2	3⅛	2	2	4
GW-325-C	3	4⅜	2	3	6
GW-425-C	4	5⅝	2	4	8
GW-525-C	5	6⅞	2	5	10
GW-625-C	6	8⅛	2	6	12
		3½" Deep, 3¼" High			
GW-135-C	1	1⅞	2	2	2
GW-235-C	2	3⅛	2	4	4
GW-335-C	3	4⅜	2	6	6
GW-435-C	4	5⅝	2	8	8
GW-535-C	5	6⅞	2	10	10
GW-635-C	6	8⅛	2	12	12

Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Zone 2	Zone 3
GW-125-C	.....	680	$ 64.10	$ 67.30	$ 70.50
GW-225-C	.....	691	75.85	99.70	83.50
GW-325-C	.....	692	93.65	98.30	103.00
GW-425-C	.....	693	105.35	110.60	115.90
GW-525-C	.....	694	117.25	123.15	128.95
GW-625-C	.....	960	246.20	258.50	270.80
GW-135-C	.....	695	67.75	71.10	74.50
GW-235-C	.....	696	80.05	84.10	88.10
GW-335-C	.....	697	98.50	103.50	108.40
GW-435-C	.....	698	109.55	115.05	120.55
GW-535-C	.....	699	120.90	127.00	133.00
GW-635-C	.....	965	307.85	323.20	338.55

CONCRETE BLOCK THRU-WALL BOXES



CBTW-4

CBTW-4 for 4" block
CBTW-6 for 6" block
CBTW-8 for 8" block

KO's each side: 1½" and 1¾"

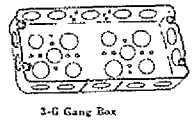
Steel City Cat. No.	Size, Inches Deep	Wide	Long	KO's Each End	Std. Pkg.
CBTW-4	3½	2¼	3¼	1—¾"	10
CBTW-6	5½	2¼	3¼	2—½", 1—¾"	10
CBTW-8	7½	2½	3¼	2—½", 1—¾"	10

Steel City	Cat. No. Appleton	Raco	Per 100 Zone 1	Zone 2	Zone 3
CBTW-4	.....	633	$ 69.20	$ 72.70	$ 76.15
CBTW-6	.....	634	80.70	84.80	88.80
CBTW-8	.....	635	87.85	92.30	96.60

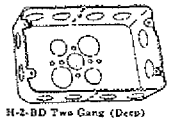
OUTLET BOXES

GANG BOXES

With Slots for Partitions



3-G Gang Box



H-2-BD Two Gang (Deep)

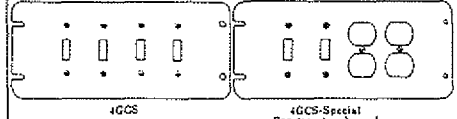
Steel City Cat. No.	Appleton	Raco	Length Inches	Per 100 Zone 1	Zone 2	Zone 3
STANDARD GANG BOXES*						
			1⅝" Deep, 4½" Wide			
2G-½ & ¾	.....	951	6⅛	$122.40	$128.50	$134.60
3G-½ & ¾	.....	952	8⅝	165.60	173.95	182.20
4G-½ & ¾	.....	953	10⅛	208.90	219.30	229.80
5G-½ & ¾	.....	954	12¼	288.10	302.40	316.90
6G-½ & ¾	.....	955	14⅝	525.70	552.00	578.30
DEEP GANG BOXES						
			2½" Deep — 4½" Wide			
H2BD-¾ & 1	.....	.....	6⅛	$186.30	$194.55	$203.80
H3BD-¾ & 1	.....	.....	8⅝	259.50	272.50	286.45
H4BD-¾ & 1	.....	.....	10⅛	319.15	335.10	351.10
H5BD-¾ & 1	.....	.....	12¼	417.90	438.85	459.70
H6BD-¾ & 1	.....	.....	14⅝	781.80	831.15	912.25

*7, 8 or 9 gang standard boxes available

GANG BOX PARTITIONS

Steel City	Cat. No. Appleton	Raco	Description	Per 100 Zone 1	Zone 2	Zone 3
SGP	.....	974	For standard gang box	$25.60	$27.00	$28.40
DGP	.....	.....	For deep gang box	32.20	34.00	35.60

GANG BOX COVERS



4GCS 4GCS-Special For two toggle and two duplex devices

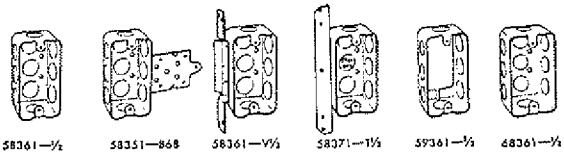
Furnished blanked for toggle switches unless otherwise specified. Can be furnished for any combination of receptacles, switches, etc.

Steel City	Cat. No. Appleton	Raco	No. of Gangs	Per 100 Zone 1	Zone 2	Zone 3
2-GCS	.....	852	2	$ 61.65	$ 64.70	$ 67.85
3-GCS	.....	853	3	96.85	101.75	106.55
4-GCS	.....	854	4	128.20	134.60	141.00
5-GCS	.....	855	5	183.60	192.75	201.90
6-GCS	.....	856	6	293.55	308.20	322.90
BLANK COVERS						
2-GCB	2GCX	844	2	$ 41.10	$ 43.15	$ 45.20
3-GCB	3GCX	845	3	61.65	64.70	67.80
4-GCB	4GCX	846	4	89.60	94.05	98.55
5-GCB	5GCX	847	5	124.70	131.00	137.30
6-GCB	6GCX	848	6	213.00	223.60	234.20

OUTLET BOXES

STANDARD UTILITY BOXES AND COVERS

4" Long x 2⅛" Wide



58361—½ 58351—868 58361—V½ 58371—1½ 59361—½ 68361—¾

For Rigid Metallic Conduit, EMT, Flexible Metallic Conduit

Cat. No. Steel City	Cat. No. Appleton	Raco	Depth Inches	Std. Pkg.	KO's Side	KO's End	KO's Bottom	Wt. Lbs. Per 100	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
58351-½	4SSLS½	650	1½	50	6—½"	2—½"	3—½"	46	$23.90	$25.15	$26.35
58361-½	4CS½	660	1⅞	50	6—½"	2—½"	3—½"	56	25.20	26.40	27.70
58361-¾	4CS¾	663	1⅞	50	4—¾"	2—¾"	2—¾"	55	27.25	28.65	29.95
58371-½	4SSL½	670	2⅛	50	6—½"	2—½"	3—½"	59	27.80	29.20	30.56
58371-¾	4SSL¾	674	2⅛	50	4—¾"	2—¾"	2—¾"	59	30.55	32.10	33.60
58351-B-68*	.....	654	1½	50	3—½"	2—½"	3—½"	64	34.50	36.30	37.95
58361-V-½**	4CSVB½	662	1⅞	50	3—½"	2—½"	3—½"	63	32.40	34.00	35.65
58371-V-½**	4SSLVB½	678	2⅛	50	3—½"	2—½"	3—½"	68	35.00	36.75	38.50
.....	4SSLX½	671	2⅛	50	3—½"	2—½"	3—½"	75	36.30	38.10	39.95

*Bracket Recessed ¾" **Bracket Recessed ½" ***Bracket Recessed ⅝"

STANDARD UTILITY BOX EXTENSIONS

Slot and Key Design Permits Box Mounting Without Removing Screws

.....	.....	653	1½	50	6—½"	2—½"	.....	38	$27.25	$28.60	$30.00
59361-½	4SSLE½	665	1⅞	50	6—½"	2—½"	.....	44	28.50	29.95	31.40
59361-¾	.....	.....	1⅞	50	4—¾"	2—¾"	.....	44	31.80	33.40	34.90

EXTRA SPACE UTILITY BOXES

4½" Long x 2½" Wide

68361-½	180½	.....	1⅛	50	6—½"	2—½"	3—½"	60	33.40	35.00	36.65
68361-¾	.....	.....	1⅛	50	4—¾"	2—¾"	2—¾"	60	36.90	38.70	40.65
68371-½	181	.....	2⅛	50	6—½"	2—½"	3—½"	66	37.75	39.55	41.50
68371-¾	.....	.....	2⅛	50	4—¾"	2—¾"	2—¾"	99	39.70	41.70	43.70

UTILITY BOX COVERS



58-C-1 58-C-30 58-C-7

Standard (58 series) Box Covers ¼" Deep — Extra Space (68 series) Box Covers ⅜" Deep

Cat. No. Steel City	Cat. No. Appleton	Raco	Description	Std. Pkg.	Wt. Lbs. Per 100	Per 100 Zone 1	Per 100 Zone 2	Per 100 Zone 3
58 C 1	2540	860	Blank	100	12	$ 8.65	$ 9.10	$ 9.50
68 C 1	180A	.....	Blank	100	15	11.90	12.45	13.05
58 C 4	2538	867	For 4-wire twist lock single flush receptacles	20	12	12.15	12.75	13.35
68 C 4	.....	.....	For 4-wire twist lock single flush receptacles	20	14	14.50	15.20	15.95
58 C 5	2539	863	For single receptacle	20	13	10.75	11.30	11.85
68 C 5	180X	.....	For single receptacle	20	14	13.45	14.15	14.80
58 C 6	2555	861	With ½" KO	100	15	12.90	13.60	14.20
68 C 6	.....	.....	With ½" KO	20	16	17.05	17.90	18.70
58 C 7	2510	864	For duplex flush receptacles	100	11	8.30	8.70	9.15
68 C 7	180W	.....	For duplex flush receptacles	100	12	10.85	11.40	11.90
58 C 11	.....	.....	¼" deep with ⅞" bushed hole	20	15	16.25	17.05	17.10
58 C 30	2594	865	For 1 toggle switch	100	15	8.65	9.10	11.87
68 C 30	180T	.....	For 1 toggle switch	100	15	12.05	12.70	13.20
58 C 40	2599	866	For "Despard" type wiring devices with three KO's and three hole strap	20	20	27.10	28.40	29.80
68 C 40	180Z	.....	For "Despard" type wiring devices with three KO's and three hole strap	20	21	31.30	32.85	34.45
.....	.....	868	30 Amp. Twist-Lock Single Receptacle 1⅔"...	100	10	12.10	12.70	71.05

UNION NON-METALLIC BOXES

OUTLET BOXES

Listed by Underwriters' Laboratories, Inc.

ROUND BOXES



3½" Dia. — 2" deep with fixed ears and snap-in bracket. Two ¾" Dia. concentric K.O.'s in each side.

Cat. No. Union	Cat. No. Allied	Std. Pkg.	Pkg. Wt. Lbs.	Per 100 Std. Pkg. Eastern Zone	Central Zone	Western Zone
3050-9	9337-SC	50	22½	$48.50	$50.85	$52.25



No. 3090-302

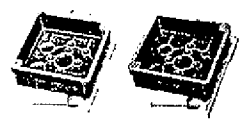


No. 4060-N02

No. 3090-302 — 3½" dia. — 2" deep. Two ¾" dia. concentric K.O.'s in each side. No clamps. Mounted on #3 bracket. No. 4060-N02 — 4" dia. — 1½" deep. Two ¾" dia. concentric K.O.'s in each side. Mounted on #N bracket with nails assembled.

Cat. No. Union	Cat. No. Allied	Std. Pkg.	Pkg. Wt. Lbs.	Per 100 Std. Pkg. Eastern Zone	Central Zone	Western Zone
3090-302	9336-HL	50	22	$27.95	$30.30	$31.35
4060-N02	.....	50	21¾	30.85	33.25	34.35

SQUARE BOXES



No. 4040-N02 No. 4000-N02

No. 4000-N02 — 4" square-2¼" deep. 12 ¾" Dia. concentric K.O.'s in sides. Two ¾" Dia. K.O.'s and one ⅞" Dia. K.O. in bottom. Mounted on #N bracket with nails assembled. No. 4040-N02 — 4" square-1½" deep. Twelve ¾" Dia. concentric K.O.'s in sides. Two ¾" Dia. K.O.'s and one ⅞" Dia. K.O. in bottom. Mounted on #N bracket with nails assembled.

Cat. No. Union	Cat. No. Allied	Std. Pkg.	Pkg. Wt. Lbs.	Per 100 Std. Pkg. Eastern Zone	Central Zone	Western Zone
4000-N02	9342-HF	50	30½	$49.60	$52.25	$54.25
4040-N02	9340-HF	50	25	37.85	40.06	42.25

UNION NON-METALLIC BOXES

4" SQUARE COVERS



No. 4041 No. 4042-12 No. 4042-34 No. 4043

No. 4041 — Flat blank. No. 4042-12 — Single gang, ½" deep. No. 4042-34 — Single gang, ¾" deep. No. 4043 — Plaster ring for 3¾" receptacle, ½" deep. No. 4022-12 — 2 gang, ½" deep.

Cat. No. Union	Cat. No. Allied	Std. Pkg.	Pkg. Wt. Lbs.	Per 100 Std. Pkg. Eastern Zone	Central Zone	Western Zone
4041	9344	50	5¾	$10.75	$11.15	$11.35
4042-12	9345	50	5	14.70	14.85	15.15
4042-34	.....	50	6	16.35	15.55	15.75
4043	.....	50	5½	14.70	14.85	15.15
4022-12	9346	50	6	14.10	14.30	14.55

SWITCH BOXES

Listed by Underwriters' Laboratories, Inc.

FOR OLD AND NEW WORK



No. 2070-N02

Two ¾" Dia. concentric K.O.'s in each end. Supplied with plaster seals and 2 nails assembled.

Size: No. 2070-N02 — 2½" x 2⅛" x 3⅛"; No. 2000 — 3" x 2¼" x 3⅛"; No. 2050-N02 — 2" x 2⅛" x 3⅛".

Cat. No. Union	Cat. No. Allied	Std. Pkg.	Pkg. Wt. Lbs.	Per 100 Std. Pkg. Eastern Zone	Central Zone	Western Zone
2070-N02	9326-N	100	24	$16.65	$16.70	$18.00
2000	9328-N	100	34	23.10	23.40	24.50
2050-N02	9325-N	100	21	13.40	13.55	14.70



No. 7072-202 No. 7073-202

No. 7072-202 — 2 gang. 2⅛" x 4" x 3⅛". Four ¾" Dia. concentric K.O.'s in each end. One ⅞" Dia. K.O. in bottom. Plaster seals. No. 7073-202 — 3 gang. 2½" x 6" x 3⅛". Six ¾" Dia. K.O.'s in each end. Two ⅞" Dia. K.O.'s in bottom. ¾" bracket offset. Plaster seals. No. 7052-202 — 2 gang. 2" x 4" x 3½". Four ¾" Dia. concentric K.O.'s in each end. Plaster seals. New strap easily adjusted for Dry Wall or Wet Wall. No. 7053-202 — 3 gang. 2" x 5½" x 3⅛". Six ¾" Dia. K.O.'s in each end. Two ⅞" Dia. K.O.'s in bottom. Plaster seals.

Cat. No. Union	Cat. No. Allied	Std. Pkg.	Pkg. Wt. Lbs.	Per 100 Std. Pkg. Eastern Zone	Central Zone	Western Zone
7072-202	9312-HF	50	26½	$44.80	$47.30	$49.65
7073-202	9313-HF	10	6½	69.30	72.05	74.75
7052-202	.....	50	23	41.95	45.00	46.95
7053-202	.....	10	6	68.45	70.70	73.00



No. 9030-702

No. 9030-702 — 2½" x 2" x 3⅝". Two ¾" Dia. concentric K.O.'s in each end. One ⅝" K.O. in bottom. Plaster seals. Dry or Wet Wall-½" bracket offset. Wood or steel studs. No. 9070-702 — same as 9030-702 except ¼" bracket offset. No. 9010-702 — 2" x 2" x 3⅝". Two ¾" Dia. Concentric K.O.'s in each end. One ⅝" K.O. in bottom. Plaster seals. Dry or Wet Wall-½" bracket offset. Wood or steel studs. No. 9060-702 — same as 9010-702 except ¼" bracket offset.

Cat. No. Union	Cat. No. Allied	Std. Pkg.	Pkg. Wt. Lbs.	Per 100 Std. Pkg. Eastern Zone	Central Zone	Western Zone
9030-702	9325-23	100	29	$24.30	$25.50	$28.10
9060-702	9325-22	100	26½	20.20	21.40	23.50
9010-702	9325-23	100	25½	20.20	21.40	23.50
9070-702	9326-22	100	28¼	24.30	25.50	28.10



No. 7020-8—2⅛" x 2⅛" x 3⅛" with fixed ears and snap-in bracket. Two ¾" dia. K.O.'s in each end. 2 clamps.

No. 7010-8 — Same as above except 2⅜" deep.

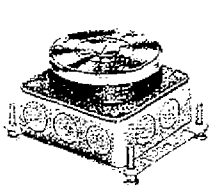
Cat. No. Union	Cat. No. Allied	Std. Pkg.	Pkg. Wt. Lbs.	Per 100 Std. Pkg. Eastern Zone	Central Zone	Western Zone
7020-8	.....	50	19	$33.80	$35.60	$37.35
7010-8	9331-ESC	50	20¼	44.10	45.90	48.25

HUBBELL WATERTIGHT FLOOR BOXES

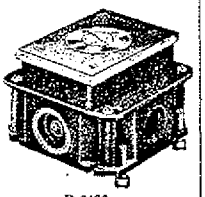
(Formerly Made By Russell & Stoll)

DUALEVEL® INTERCHANGEABLE FLOOR BOXES

With Two Independent Vertical and Angular Adjustments



B-2529
Shown with Cover



B-2436
Shown with Cover

Boxes accommodate Standard 15 or 20 amp. Convenience Receptacles with Switch Box Mounting Straps. Furnished with Cement Protective Cap. (Less Covers)

Also available in Aluminum Flanges. Use prefix "BA" to Cat. No. when required.

Cat. No.	Flange Size Dia., In.	*Min. Hght. In.	Max. Outlet	Each
Cast Iron Box — Size 4-11/16" x 4-11/16"				
For Round Cover				
B-2537	4⅞	2⅛	¾	$5.53
B-2536	4⅞	3⅛	1	5.88
For Rectangular Cover				
B-2437	3⅞x4⅜	2⅛	¾	6.30
B-2436	3⅞x4⅜	3⅛	1	6.72
Stamped Steel Box — Size 4-13/16" x 6"				
For Round Cover				
B-2529	4⅞	2⅛	¾	4.76
B-2527	4⅞	3⅝	1¼	5.53
For Rectangular Cover				
B-2429	3⅞x4⅜	2⅛	¾	6.02
B-2427	3⅞x4⅜	3⅝	1¼	6.51

GANG TYPE CAST IRON BOXES

For Rectangular Covers

Cat. No.	No. of Gangs	Flange Size, Inches	Min. Ht. Inches	Each
B-4233	2	6⅞ x 4⅜	3⅛	$11.55
B-4333	3	9⅛ x 4⅜	3⅛	17.50

Max. Outlet: 1".

*Less Primary Adjusting Screws.

Outlets — Single gang: cast boxes tapped ¾" as listed four-way; three outlets plugged. Slip holes at same price. Shallow steel boxes have knockouts —one ½" and one ¾" straight thru in sides, one ½" and one ¾" straight thru in ends, three ½" and two ¾" in back. Deep boxes have one 1" and 1½" straight thru in sides, one ¾" and one 1¾" straight thru in ends, one ½" and one ¾" in back.

Gang Type: Cast boxes tapped ¾" straight thru each gang and ¾" each end; all outlets plugged.

Adjustments — 1¼" max. with Adjusting Screws. Adjustable Collar provides vertical and angular adjustment after pouring. Flanges and Forged Brass. Prefix "BA" for Aluminum Flanges.

LO-CON® DUPLEX FLOOR RECEPTACLE OUTLETS



Combine ultra-modern, handsome styling with versatility. The smoothly rounded overhang hood serves as a shield for the receptacles and plugs. It is readily removable, permitting ease of wiring and installation to floor boxes or floor duct systems with ¾" or 1" openings.

Furnished complete with ¾" conduit nipple.

Cat. No.	Description	Each
SC-3092	With two duplex 15A., 125V, 2P-3W, U-ground receptacle; back-to-back	$8.54
SC-3091	With one duplex 15A., 125V., 2P-3W, U-ground receptacle; on one side	7.84
SC-3090	With cover plates with 1" diameter brushed outlet; on one side	6.93

Housings — Satin chrome finish with stainless steel plates.

*ADJUSTABLE — ROUND TYPES



B-2503
Shown with Cover

Furnished complete, less cover. Boxes accommodate all standard 15 or 20 A. convenience receptacles.

Outlets — B-2503 regularly furnished tapped ¾" four way; three outlets plugged, unless otherwise specified. See note. Use prefix "BA" for Aluminum Flanges to match Aluminum Covers.

Cat. No.	Box Dia.	Flange Dia.	Min. Hght.	Max. Outlet	Each
Complete With ¾"-2⅛" Flush Cap					
B-2503	5	4⅞	3¾	1	$6.16
B-2506*	5	4⅞	4¾	1¼	8.12

*Tapped 1¼" four way.

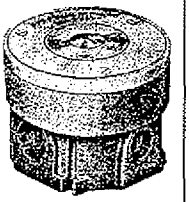
Adjustment—Ample angular and ⅝-inch vertical.

Enclosures — Boxes: cast iron, corrosion resisting finish. Standard flanges, brass. Special finishes available, prices on application.

Note — ½", ¾" and 1" drilled, tapped and plugged outlets as listed — no charge. Additional and/or larger outlets are extra. Plugs for 1¼" outlets and larger are extra, except No. B-2506. Boxes can be furnished with slip holes at same price.

ADJUSTABLE SHALLOW ROUND FLOOR BOXES

Accommodates all standard 15 or 20 A., convenience receptacles. Regularly furnished without cover.



B-2519
Shown with Cover

Outlets—Regularly furnished tapped ¾-inch four way on sides; and two ¾-inch on bottom; all plugged except one outlet on side, unless otherwise specified.

Maximum Conduit — ¾" four way on sides; two ¾" on bottom. Specify size and location of special outlets when ordering. See note.

Cat. No	Combination Flush Cap Size	Box Dia.	Flg. Dia.	Min. Hght.	Each
B-2519	¾"-2⅛"	4¼	4⅞	3	$5.95
B-2520	¾"-2⅛"	4¼	4⅞	2⅝	5.95

Max. outlet: ¾".

Can be furnished with Aluminum Flanges. Prefix "BA" to Cat. No. when aluminum covers required.

SHALLOW SAFETY DUPLEX HEAD FLOOR RECEPTACLE OUTLETS

2-Pole, 3-Wire Grounding Type

15 Amp., 125 Volts, A.C. or D.C.

or Telephone Bushing



No. S-3040

Flared Safety Head minimizes the possibility of foot catching accidents. Extension Head fits any Hubbell floor box cover plate threaded for 2⅛" flush cap. Floor Adapter style fits floor duct or boxes with ¾" or 1" outlets. Low Tension Heads for telephone or extensions.

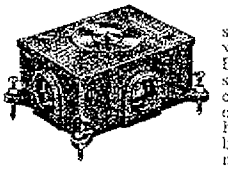
Cat. No.	Above Floor Height, In.	Outlet Size, In.	Each
Duplex Extension Head Only With 2P., 3W, Grd. Type Receptacle			
*S-3040	2⅛	2⅛	$7.00
With Low Tension Head (Bushing)			
*S-3041	2⅛	2⅛	6.44
S-3042*	¾" Flange Only		2.80
S-3049*	1" Flange Only		3.92

* For use with either S-3040 or S-3041.

Fittings — Standard finish brush brass.

★Items so marked can be furnished in Aluminum Finish at same price. Prefix "SA" to Cat. No. when required.

ADJUSTABLE LEVEL RECTANGULAR FLOOR BOXES



Shown with Cover

Occupy minimum surface area in floors with very shallow fill. Boxes accommodate all standard 15 or 20 amp. convenience type receptacles. Gang boxes have integral partition between compartments.

Normally Furnished Less Cover

Cat. No.	No. of Gangs	Box Size, In.	Flange Size In.	Min. Ht. In.	Each
Shallow Type					
B-2414*	1	3⅛x4⅝	3⅞x4⅜	2	$ 5.32
B-4314*	3	9⅜x4⅝	9⅞x4⅜	2	14.00
B-4214*	2	6⅛x4⅝	6⅝x4⅜	2	8.75

Outlets — Single gang: Tapped ¾" four way, three outlets plugged. Gang Boxes: Tapped two ¾" outlets straight through per gang, one plugged. Unless otherwise specified. 2" deep gang boxes can also be tapped one or two ¾" outlets on each end.

Specify location of special outlets when ordering. See note.

Adjustment — 1¼" maximum by means of screws in box ears.

Enclosures — Boxes: Cast iron, corrosion resisting finish. Cover flanges brass. Special finishes available, prices on application.

*Items so marked can be furnished with Aluminum Flanges. Prefix "BA" to Cat. No. when Aluminum Covers required.

Note — ½-inch, ¾-inch and 1-inch drilled and tapped and plugged outlets as listed—no charge. Additional and/or larger outlets are extra. Plugs for 1¼-inch outlets and larger are extra. Boxes can be furnished with slip holes at same price.

COVERS FOR HUBBELL FLOOR BOXES

Comb. Covers For Flush Single Rec. or Service Fitting



S-2525
¾"x2⅛"



S-2725
1"x2⅛"

Covers For Flush Duplex Receptacle



S-3725
Duplex Screw



S-3925
Duplex Flap

Covers For Flush Single Receptacle



S-2925
2⅛"



†S-3525
2⅜"



†S-3335
Toruzzo

Comb. Covers For Flush Single Rec. or Service Fitting



S-2425
¾"x2⅛"



S-2625
1"x2⅛"

Covers For Flush Duplex Receptacle

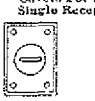


S-3625
Duplex Screw

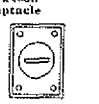


S-3825
Duplex Flap

Covers For Flush Single Receptacle



S-2825
2⅛"



†S-3425
2⅜"

Cover Material — Forged Brass. Also available in Aluminum. Use prefix "SA".

†Available Brass only.

T & B FLOOR BOXES

NON-ADJUSTABLE WATERTIGHT FLOOR BOXES

Listed by Underwriters' Laboratories



No screws to take out to assemble this box, no careful matching of screw holes in gasket and box. Receptacle plate locks in place with a single twist, and the cover plate goes on with another. Boxes 1700 and 1701 are furnished with a receptacle (10 amp., 250 volts or 15 amp., 125 volts) and blank cover disc.

Cat. No.	Description	Std. Pkg.	Each
1703	Telephone or Signal	10	$6.00
1700	Two-wire with 1666 Recept.	12	7.10
1729	NEMA Grounded with 1675 Recept. — 125 V.	10	8.00
1793	Box w/o Recept.	10	5.80

RECTANGULAR GANG ADJUSTABLE AND WATERTIGHT

1, 2 and 3-Gangs for Light, Power and Communications

Listed by Underwriters' Laboratories



These boxes have a double mechanical adjustment: floor form adjustment by adjusting screw in ear at each corner of box; floor level adjustment by adjusting screws in cover frames. Covers have no unsightly screws. The cover is metallically grounded to the box. Boxes are heavily gasketed and are watertight.

Cat. No.	Description	Lgth. Inches	Std. Pkg.	Wt. Lbs. Each	Each
1810	One Gang	4⅛	1	9	$16.10
1820	Two Gang	8⅜	1	15	32.10
1830	Three Gang	12⅝	1	21	43.90

DUPLEX FLOOR BOX OUTLET



Accommodates any standard receptacle — all aluminum brass finish. Fits all cover discs with ½" pipe tap. Also available with ¾" pipe. Can also be flush mounted.

Cat. No.	Description	Each
1750	w/o Recept.	$8.00
1751	With T-Slot Recept.	9.20
1752	With NEMA Recept. 120V	10.30
1750D	1750 w/2 Front Covers	8.00
1751D	1751 w/2 Dupl. Recept.	11.60
1752D	1752 w/2 Dupl. Recept.	13.20

Standard package, 5.

DUPLEX FLOOR OUTLET

Installs easier, quicker and looks better. Brushed aluminum finish.



Cat. No.	Description	Each
1853	For Sgl. Dupl. w/o Recept.	$8.80
1853D	For Dbl. Dupl. w/o Recept.	8.80
1854	One NEMA Dupl. Recept.	10.80
1854D	Two NEMA Dupl. Recept.	12.70
1855	1" Bushed Hole for Telephone	8.80

Standard package, 5.

MECHANICALLY ADJUSTABLE WATERTIGHT FLOOR BOXES

Listed by Underwriters' Laboratories



Simple to install. No loss of time holding the adjusting ring to the finished floor level waiting for the cement to harden or for the concrete to be poured. This is all taken care of mechanically.

Have a ⅝" vertical and a 10° angular adjustment. Covers are mechanically grounded to the box.

Cat. No.	Description	Std. Pkg.	Each
1760	2-wire with 1666 Recept.	10	$12.40
1763	Telephone or Signal	10	10.70
1779	NEMA Grounded with 1675 Recept.	10	15.10

T & B FLOOR BOXES

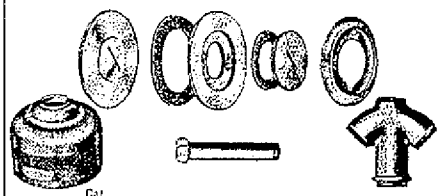
RECEPTACLES



Cat. No.	Description	Each
1666	T Slot—2-wire	$1.40
1667	"Twist-Lock®" —2-wire	2.70
1669	3-wire— 20 Amp.	2.90
1670	"Twist-Lock®" —3-wire	2.80
1671	3-wire Gr.— 20 Amp.	2.90
1672	"Twist-Lock®" —3-wire	2.80
1673	3-wire— 15 Amp.	2.70
1674	3-wire Gr.— Polarized	2.70
1675	NEMA Gr.— 125V.	2.70
1677	UL-Grounded 15A-250V.	3.00
1678	NEMA Gr.— 125V.	2.00

Standard package, 10.

FLOOR BOX PARTS AND ACCESSORIES



Cat. No.	Description	Each
1860	Brass Carpet Flange	$2.60
1707	Brass Cover Plug for 1706	1.40
1707AL	Alum. Cover Plug for 1705AL	1.40
1712	Small Fibre Gasket for 1707	.30
1706	Round Br. Cover	1.70
1706AL	Round Alum. Cover	1.70
1711	Large Fibre Gasket for 1706	.30
1709	Br. Cover Disc with ½" Plugged Hole	1.70
1720	Br. Cover Disc with ¾" Plugged Hole	1.80
1722	½" Br. Plug for 1709 Disc	1.10
1723	¾" Br. Plug for 1720 Disc	.60
1725	Insul. Bell Nozzle with Split Top	2.50
1728	Insul. Bell Nozzle for all T&B Fl. Boxes	2.50
1739	Bushed Triple Nozzle. Fits 1709, 1703, 1763 cover disc	2.40
1747*	Extension Piece, ½" size, 4" long. Fits 1709, 1703, 1763 cover disc	2.40
1748	½" Close up Plug†	.20
1746	¾" Close up Plug†	.30
1749	1" Close up Plug†	.30
1741	Sheet Metal Protector for 1760 Series	.20
1859	Steel Protector Cover	.20
1793P	Adapter Plate	.40
1816	Sq. Br. Cover for Gang Box	5.10

*Bushed extension piece can be furnished in any length. Extensions furnished in ¾" and 1" stock, any length, when specified. Prices on application.

†With screw-driver slot.

T & B FLOOR BOXES

"REDDY-TILT" FLOOR BOXES



No. 1753



No. 1754

These steel floor boxes have 13 knockouts (8 in line) to accept conduit sizes from ½" to 1¼". Cover assembly simply and accurately aligned with finished floor level. No sealing grout required—brushed bronze face plate.

No. 1753 (for shallow fill): 4—¾", 4—½" side knockouts; 3—½", 2—¾" bottom knockouts.

No. 1754 (for normal fill): 2—1¼", 2—1", 2—½" side knockouts; 1—1¼", 2—¾", 2—½" bottom knockouts.

Both boxes are 4½" square.

Cat. No.	Description	Each
	For Shallow Fill Floors	
1753	Brass Cover	$7.25
1753AL	Aluminum Cover	7.25
1755	½" Tap & Plug. Br.	7.50
1757	¾" Tap & Plug, Br.	7.50
1765	With 1678 Recept.	8.80
1765AL	With 1678 Recept.	8.80
	For Normal Fill Floors	
1754	Brass Cover	7.50
1754AL	Aluminum Cover	7.50
1756	½" Tap & Plug, Br.	7.75
1758	¾" Tap & Plug, Br.	7.75
1766	With 1678 Recept.	9.30
1766AL	With 1678 Recept.	9.30

Standard package, 5.

"JACK-IN-THE-BOX" DESIGN FLOOR BOXES

Uses internal adjustments for final leveling. Eliminates need for regrouting since all adjustments are done inside the box.

Plate Assemblies

Cat. No.	Description	Each
201	Single Receptacle Plate Assembly . .	$4.50
202	Duplex Plate Assembly	6.50
203	Communication Plate Assembly with 1/2" Plug	5.00

Jack-In-The-Box Designs

Cat. No.	Fill	Square	Deep	KO's	Each
		Steel — Concrete Tight			
1963	Shallow	4-11/16"	1-1/2"	1/2" & 3/4"	$4.50
1964	Normal	4-11/16"	2-1/2"	1/2", 1-1/4"	5.50
		Cast Boxes — Water Tight			
1966	1" Hubs				6.25
1967	1-1/4" Hubs				7.75
1968	2" Hubs				10.75

STEEL CITY FLOOR BOXES

STREAMLINED SERVICE FITTINGS

For High and Low Tension



SFF-60



SFH-70

Two matched service fittings for underfloor duct outlets and floor boxes. Only 2⅝" high. Base of housing has 2" diameter threads. Interior set screw locks the housing to the floor plate or adapter.

Cat. No. Bronze	Chrome	Wt. Lbs. Each	Each
	With Two-Way Split-Type Plastic Bushing, ¾" dia. Openings Two Sides		
SFL-60-BR	SFL-60-CH	⅝	$6.20
	With Two-Way 15 Amp. 125 Volt NEMA Grounding Type Receptacle		
SFH-70-BR	SFH-70-CH	⅝	6.95

FLOOR COVERING ADAPTER

For Underfloor Duct Outlets





For use with service fittings when installed on underfloor raceway outlets or floor boxes to conceal edges of duct outlet and floor covering.

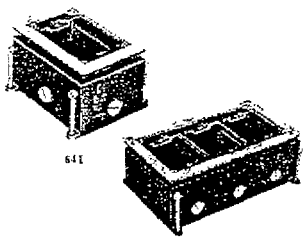
A ¾" conduit nipple furnished with the adapter, provides positive lock to outlet adapter or floor plate having a ¾" threaded opening. Adapter has 2" diameter threads.

Cat. No.	Satin Finish	Wt. Lbs. Each	Each
SFA-AL	Aluminum	¼	$3.10
SFA-BR	Bronze	½	3.40

STEEL CITY FLOOR BOXES

GANG TYPE CAST IRON FLOOR BOXES

Fully Adjustable Tops — Watertight
Aluminum or Bronze Edge Rings



641

643

Series '640' gang floor boxes have four interior leveling screws that provide ¾" vertical adjustment and ample angular adjustment of the edge frame. Edge frame is pre-set at minimum adjustment when shipped. Floor plates are interchangeable — not included with floor box. ORDER FLOOR PLATES SEPARATELY. Gang floor boxes require one floor plate for each gang. Expendable metal cap prevents ingress of concrete. Standard tapping — ¾". Combination ½" and ¾" or all ½" available at no extra cost.

Specifications and Ordering Information — Series '640' Gang Boxes

Aluminum or bronze edge rings. Edge rings are pre-set at minimum adjustment when shipped.

Catalog Number		Gangs	Floor Box Dimensions Inches	Overall Height* Inches		Wiring Capacity Cubic Inches		Approx. Wt. Each — lbs.		Each	
Alum.	Bronze			Minimum	Maximum	Minimum	Maximum	Alum.	Bronze	Alum.	Bronze
641-AL	641	1	4 x 5½	3⅝	4¼	45	57	6	6½	$ 8.95	$9.55
642-AL	642	2	7 x 5½	3⅝	4¼	44/gang	56/gang	9½	10	13.55	14.25
643-AL	643	3	10 x 5½	3⅝	4¼	44/gang	56/gang	13½	14	18.65	20.30

NOTE: Gang Boxes for Four-, Five- and Six-Gang installations are available on special order.
*2¼" Exterior leveling screws not included in overall height.

FLOOR PLATE ASSEMBLIES
ORDER SEPARATELY



Combination Plug

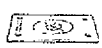


Duplex Plug

Separate packaging of floor plate assemblies eliminates early job site losses, permits economical change overs and reduces inventory. Floor plates are installed factory fresh without surface imperfections common to early construction installation. Bronze or Aluminum Floor Plates Assembly includes Floor Plate, Plug, Gasket and Screws.



Single Plug



For Gang Boxes



Terrazzo Cover

Floor Plate Plug Size, In.	For Series 78, 88, 98				For Series 600			For Series 640				—For Series 671, 672—	
	Aluminum	Each	Bronze	Each	Aluminum	Each	Bronze	Each	Aluminum	Each	Bronze	Each	Aluminum	Each
	P-90-		P-90-		P-60-		P-60-		P-64-		P-64-		P-67-	
½	½-AL	$1.55	½	$1.85	½-AL	$2.55	½	$3.00	½-AL	$3.35	½	$3.95	.....	.....
¾	¾-AL	1.55	¾	1.85	¾-AL	2.55	¾	3.00	¾-AL	3.35	¾	3.95	.....	.....
1	1-AL	1.55	1	1.85	1-AL	2.55	1	3.00	1-AL	3.35	1	3.95	.....	.....
1¼	1¼-AL	1.55	1¼	1.85	1¼-AL	2.55	1¼	3.00	1¼-AL	3.35	1¼	3.95	.....	.....
2	2-AL	1.55	2	1.85	2-AL	2.55	2	3.00	2-AL	3.35	2	3.95	.....	.....
½ — 2	½-2-AL	2.10	½-2	2.65	½-2-AL	2.55	½-2	3.45	½-2-AL	3.95	½-2	4.75	.....	.....
¾ — 2	¾-2-AL	2.10	¾-2	2.65	¾-2-AL	2.55	¾-2	3.45	¾-2-AL	3.95	¾-2	4.75	.....	.....
2⅝	.....	.....	.....	.....	2⅝-AL	2.55	2⅝	3.00	2⅝-AL	3.35	2⅝	3.95	.....	.....
2" for Terrazzo	T-2-AL	3.05	T-2	3.50	T-2-AL	4.25	T-2	5.10	.....	.....	.....	.....	.....	.....
"Lift Lid" Plates														
2⅛"	H-AL	2.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H-AL	$2.90
3"x4½"	.....	.....	.....	.....	.....	.....	.....	.....	H-AL	4.50	.....	.....	.....	.....
4"*	.....	.....	.....	.....	DH-AL	4.60	.....	.....	.....	.....	.....	.....	.....	.....
4	.....	.....	.....	.....	H-AL	3.75	.....	.....	.....	.....	.....	.....	.....	.....

*With two hinged lids.

NON-ADJUSTABLE WATERTIGHT



671

2⅛" diameter cast iron body. Standard tapping: two ½", two ¾" in sides, two ½" in bottom. Maximum tapping sides and bottom is ¾". Overall height: 3⅛". Order P-67-F for concrete installations. Aluminum or bronze edge ring and floor plates.

Cat. No.	Description	Each
671	2⅛" dia. floor box	$2.85
P-67-F	Bronze Edge Ring	3.00
P-67-F-AL	Aluminum Edge Ring	2.40

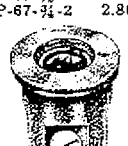
ALUMINUM OR BRONZE FLOOR PLATES FOR 671 FLOOR BOX

3½" Diameter



Plug Size Inches	Aluminum Cat. No.	Aluminum Each	Bronze Cat. No.	Bronze Each
½	P-67-½-AL	$1.55	P-67-½	$2.10
¾	P-67-¾-AL	1.55	P-67-¾	2.10
1	P-67-1-AL	1.55	P-67-1	2.10
1¼	P-67-1¼-AL	1.55	P-67-1¼	2.10
2	P-67-2-AL	1.55	P-67-2	2.10
½ — 2	P-67-½-2-AL	2.10	P-67-½-2	2.80
¾ — 2	P-67-¾-2-AL	2.10	P-67-¾-2	2.80

NON-ADJUSTABLE WATERTIGHT



672

Factory assembled. 15 Amp., 125 Volt, NEMA ground receptacle. Tapping: two ½", two ¾" in sides, two ½" in bottom. Maximum tapping sides and bottom is ¾".

Cat. No.	Description	Each
672-AL	Aluminum floor plate	$6.65
672	Bronze floor plate	7.00

RECEPTACLE INFORMATION

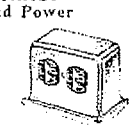
Steel City floor boxes accommodate a variety of flush receptacles. ORDER RECEPTACLES SEPARATELY. Specify floor plate with 2" or 2⅝" plug to accommodate receptacles. Floor plate assemblies with 2" or 2⅝" plug include a steel receptacle seating plate.

SERVICE FITTINGS

For Light and Power



SFH-40-RG



SFH-50-2RG

Cat. No.	Description	O.A. Dimens., In. W.	D.	H.	Each
SFH-40*	Less recept., with cover plate for dupl. recept.	4⅜	3	2⅝	$ 8.30
SFH-40-RG*	With dupl. 15 amp., 125 volt, 3-wire U-slot N E M A grounded receptacle	4⅜	3	2⅝	10.10
SFH-50	Less recept., with two dupl.-type cover plates for back-to-back requirements	5	3⅜	3	10.45
SFH-50-2RG	With two back-to-back dupl., 15 amp., 125 volts, 3-wire NEMA U-slot grounded receptacle	5	3⅜	3	13.55
SFH-51	Less recept., with cover plate for sgl. 30 or 50 amp. recept.	5	3⅜	3	10.00

*Chrome Finish. All others Aluminum.

CARPET PLATE

For "78", "88", "98", 671 and 672 Floor Boxes
Aluminum or Bronze
Use with floor plate with 2" plug.



P-90-CP-AL

Cat. No.	Description	Each
P-90-CP-AL	Aluminum	$3.55
P-90-CP	Bronze	4.20

CARPET PLATE

For 600 Series Round Floor Boxes
Use any floor plate in P-60 series.

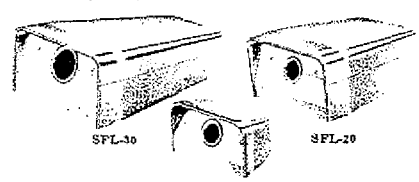


P-60-CP

Cat. No.	Description	Each
P-60-CP-AL	Aluminum	$6.80
P-60-CP	Bronze	7.95

SERVICE FITTINGS

For Telephone, Signal and Intercommunications



SFL-30 SFL-20

SFL-10

Cat. No.	Description	O.A. Dimens., In. W.	D.	H.	Each
SFL-10	For all normal sgl. requirements, including 6-key; set, 26 pair cables	4⅜	3⅛	2⅝	$ 8.15
SFL-20	Capacity for 4 Western Electric 44A (or similar) terminal strips	4½	7½	2⅝	14.35
SFL-30	Accommodates any telephone requirement with capacity larger than required for Call Director and Call Commander	5	10⅞	3	17.00
SFL-31	Capacity for 6 Western Electric 44A connecting blocks or similar) and buzzer	5	10⅞	3	19.20

BELL NOZZLES

Split bell nozzle in bronze or aluminum. Eliminates plug removal for bell nozzle installation.



700

Cat. No.	Description	Size, In. — Thread	Throat	Each
700	Bronze	2	½	$1.15
700-AL	Aluminum	2	½	1.15
701	Cast Bronze One-Piece	2⅝	¾	2.85

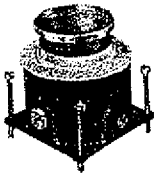
STEEL CITY FLOOR BOXES

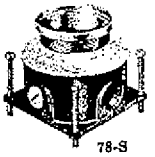
FOR TELEPHONE, INTERCOMMUNICATIONS, LIGHT AND POWER SERVICES

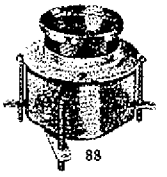
A COMPLETE LINE OF FLOOR BOXES DESIGNED FOR SIMPLER, FASTER, MORE ECONOMICAL INSTALLATIONS

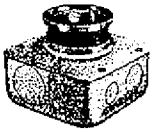
- Simplified top adjustments — accurate leveling
- Flush receptacles and modern service fittings
- Floor Boxes for thin-slab floors
- Concrete-tight and water-tight models
- Interchangeable Floor Plates — packaged separately
- Wide access openings — roomy interiors
- Aluminum or bronze floor plates, adjusting rings and edge rings

ROUND CAST IRON AND STEEL FLOOR BOXES
Adjustable Tops — Concrete Tight
Aluminum or Bronze Adjusting Rings


78


78-S


88

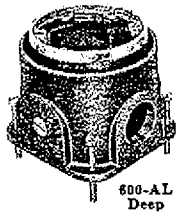

98

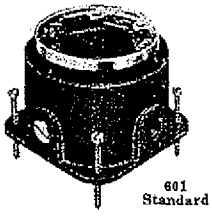
Specifications and Ordering Information — Series '78', '88' and '98' Floor Boxes
Aluminum or bronze adjusting rings. Adjusting rings are pre-set ⅛" above minimum adjustment on standard floor boxes when shipped. Terrazzo adjusting ring is pre-set at minimum adjustment.

Catalog Numbers Aluminum	Catalog Numbers Bronze	Box Top	Box Body	Box Dia. In.	Overall Height* Inches Min.	Overall Height* Inches Max.	Shipping Height Inches	Wiring Capac. Cubic Inches	Conduit Openings Sides	Conduit Openings Bottom	Each Alum.	Each Bronze
					Cast Iron Floor Boxes							
78-AL	78	Standard	2½" Deep	4	3⅜	4⅛	3½	23.1	4—¾"	None	$5.75	$6.20
78-T-AL	78-T	Terrazzo	Round		3½	4¼					6.45	6.65
78-S-AL	78-S	Standard	2" Deep	4	2⅛	3⅞	2⅛	18.0	4—¾"	None	5.75	6.20
78-ST-AL	78-ST	Terrazzo	Round		2⅛	3⅛					6.45	6.65
					Galvanized Steel Floor Boxes							
88-S-AL	88-S	Standard	1½" Deep	4	2⅝	3⅜	2¾	16.5	2—½"	3—½"	4.30	4.60
88-ST-AL	88-ST	Terrazzo	Octagon		2⅞	3½			2—¾"	2—¾"	4.90	5.25
88-D-AL	88-D	Standard	2⅛" Deep	4	3¼	4	3⅜	23.0	2—½"	3—½"	4.70	4.95
88-DT-AL	88-DT	Terrazzo	Octagon		3⅜	4⅛			2—¾"	2—¾"	5.30	5.55
88-DA-AL	88-DA	Standard	2⅛" Deep	4	3¼	4	3⅜	23.0		3—½"	4.70	4.95
88-DAT-AL	88-DAT	Terrazzo	Octagon		3⅜	4⅛			4—1"	2—¾"	5.30	5.55
98-AL	98	Standard	2⅛" Deep	4½	3¼	3⅞	3⅜	42.0	Two each ½", ¾", 1"	2—½" 2—¾" 1—1¼"	5.00	5.30
98-T-AL	98-T	Terrazzo	Square		3⅜	3⅛					5.55	5.90

*Exterior leveling screws not included in overall height.

ROUND CAST IRON FLOOR BOXES
Fully Adjustable Tops — Watertight
Aluminum or Bronze Edge Rings


600-AL Deep


601 Standard


602 Shallow

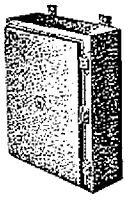

603 Extra-Shallow


604 Shallow Pan Type Non-Adjustable

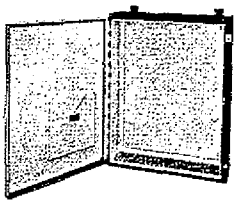
Specifications and Ordering Information — Series '600' Floor Boxes
Aluminum or bronze edge rings. Edge rings are pre-set at minimum adjustment when shipped.

Catalog Number Aluminum	Catalog Number Bronze	Box Ring	Box Diameter Inches	Overall Height* Inches Min.	Overall Height* Inches Max.	Wiring Capacity Cubic Inches Min.	Wiring Capacity Cubic Inches Max.	Maximum Tapping Inches Using Bushing	Maximum Tapping Inches No Bushing	Each Alum.	Each Bronze
600-AL	600	Regular	5	4¼	5	54.2	64.2	1½	2	$10.35	$10.70
600-T-AL	600-T	Terrazzo		4⅜	5⅛					11.40	10.60
601-AL	601	Regular	5	3⅞	4⅝	43.8	53.8	1	1¼	5.85	6.20
601-T-AL	601-T	Terrazzo		3⅞	4⅞					6.80	7.15
602-AL	602	Regular	4	3⅜	3⅝	25.0	35.0	¾	1	6.45	5.50
602-T-AL	602-T	Terrazzo		3⅜	3⅝					6.20	6.55
603-AL	603	Regular	4	2½	3	20.5	27.5	¾	¾	5.30	5.50
603-T-AL	603-T	Terrazzo		2⅝	3⅛					6.20	6.55
604-AL	604	Regular	4	2**		16.0		¾	¾	5.65	5.00

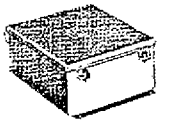
*2¼" Exterior leveling screws not included in overall height.
**1½" Exterior leveling screws not included in overall height



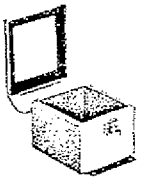
"NEMA" Type 12
Control Panel Enclosure
Single Door



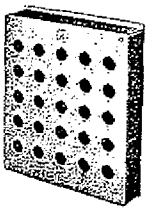
"NEMA" Type 12"
Control Panel Enclosure
Single Door



"JIC" Enclosed
Terminal & Pull Box



"JIC" Enclosed
Terminal & Pull Box



Oil-Tight
Pushbutton Enclosure

NEMA TYPE 12 PANEL ENCLOSURES

Manufactured to the Electrical Specifications of the Joint Industry Conference Standards.

Hoffman Type A. — Keystone Columbia Type N12.

Single Door Wall Mounted Units

Dimensions H x W x D	Each	Dimensions H x W x D	Each
12 x 24 x 6	$ 40.31	30 x 30 x 8	$56.69
16 x 12 x 6	35.94	30 x 24 x 8	62.01
20 x 16 x 6	39.55	36 x 24 x 8	68.61
20 x 20 x 6	43.34	36 x 30 x 8	77.98
24 x 20 x 6	48.69	42 x 30 x 8	85.72
24 x 24 x 6	52.87	42 x 36 x 8	94.53
30 x 20 x 6	54.05	48 x 24 x 8	81.80
30 x 24 x 6	59.15	48 x 36 x 8	102.66
36 x 24 x 6	64.91	60 x 36 x 8	115.63
16 x 12 x 8	37.15	24 x 24 x 10	57.95
20 x 16 x 8	41.45	30 x 24 x 10	64.86
20 x 20 x 8	45.46	36 x 30 x 10	81.47
24 x 12 x 8	42.22	48 x 36 x 10	107.92
24 x 20 x 8	51.02	60 x 36 x 10	121.77
24 x 24 x 8	55.41	.....	.....

Note: Prices shown are Keystone Columbia, when ordering Hoffman boxes, order panels separately.

JIC TERMINAL AND PULL BOX ENCLOSURES

Lift off Cover
Hoffman Type A-LP
Keystone Columbia Type J

Standard Stock Box Sizes

Dimensions H x W x D	Each	Dimensions H x W x D	Each
4 x 4 x 3	$ 5.28	10 x 8 x 4	$8.22
6 x 4 x 3	5.71	12 x 10 x 5	10.07
6 x 6 x 4	6.43	14 x 12 x 6	12.77
8 x 6 x 3½	7.11	16 x 14 x 6	15.16

Standard Stock Panel Sizes

Panel Sizes	For Box Sizes	Each
4⅞ x 2⅛	6 x 4 x 3	$0.52
4⅞ x 4⅞	6 x 6 x 4	.57
6¾ x 4⅞	8 x 6 x 3½	.72
8¾ x 6⅛	10 x 8 x 4	.83
10⅜ x 8⅛	12 x 10 x 5	1.11
12⅜ x 10⅛	14 x 12 x 6	1.46
14¾ x 12⅛	16 x 14 x 6	1.90

OIL-TIGHT PUSH-BUTTON ENCLOSURES — JIC

Hoffman Type E—Keystone Columbia Type PB

Size H x W x D	No. of Units	Each
3½ x 3¼ x 2¾	1	$6.36
5¾ x 3¼ x 2¾	2	6.58
8 x 3¼ x 2¾	3	7.92
10¼ x 3¼ x 2¾	4	8.42
9½ x 6¼ x 3	6	10.04
9½ x 8½ x 3	9	12.52
11¾ x 8½ x 3	12	15.72
11¾ x 10¾ x 3	16	18.81
14 x 10¾ x 3	20	22.38
14 x 13 x 3	25	24.98

JIC ENCLOSED WIRING TROUGHS

With Removable Clamping Covers

Hoffman — Keystone Columbia

Where wiring needs oil tight protection, these troughs are ideal. All seams welded. No holes in trough or cover. Gasketed, clamp cover provides tight seal against dust, oil or water. Made to JIC standards and UL listed. Gray hammertone finish.

Size, In.	Price Each	Size, In.	Price Each
2½x 2½x12	$6.84	6 x 6 x12	11.11
2½x 2½x18	8.23	6 x 6 x18	12.85
2½x 2½x24	9.61	6 x 6 x24	14.59
2½x 2½x30	10.42	6 x 6 x30	17.22
2½x 2½x36	11.18	6 x 6 x36	19.52
2½x 2½x48	12.85	6 x 6 x48	24.27
2½x 2½x60	14.88	6 x 6 x60	29.33
2½x 2½x72	17.54	6 x 6 x72	35.19
4 x 4 x12	8.20	8 x 8 x12	12.49
4 x 4 x18	9.83	8 x 8 x24	16.55
4 x 4 x24	11.54	8 x 8 x36	25.54
4 x 4 x30	12.98	8 x 8 x48	31.65
4 x 4 x36	14.57	8 x 8 x60	37.76
4 x 4 x48	16.23	12 x12 x12	18.01
4 x 4 x60	20.49	12 x12 x24	25.17
4 x 4 x72	23.21	12 x12 x36	34.95
		12 x12 x48	43.99
		12 x12 x60	52.69

PULL BOXES



Gray enamel or galvanized finish; have ½" to 1½" knockouts, depending on size, on four sides.

Hoffman — Keystone Columbia

Size H x W x D	Each — Enamel Finish Hinged Cover	Screw Cover
4½ x 5 x 3	$1.49	$.....
4½ x 9 x 3	1.67	.....
6 x 6 x 4	2.03	1.93
8 x 8 x 4	2.15	2.44
12 x 6 x 4	2.37	2.69
8 x 8 x 4	2.28	2.72
10 x 8 x 4	2.43	2.89
12 x 8 x 4	2.78	3.24
10 x 10 x 4	3.08	3.42
12 x 10 x 4	3.28	3.53
12 x 12 x 4	4.03	3.75
15 x 12 x 4	5.50	5.67
12 x 12 x 6	6.03	5.49
15 x 12 x 6	6.45	6.60
18 x 12 x 6	8.82	7.07
24 x 18 x 6	13.79	15.87

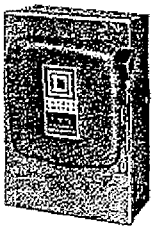
"JIC" OIL-TIGHT LAY-IN WIREWAY

Hoffman — Keystone Columbia

Size, In	Description	Each
3 x 3	Wireway	$33.70
4 x 4	10 Foot	34.66
6 x 6	Length	54.24
3 x 3	Wireway	18.77
4 x 4	5 Foot	20.90
6 x 6	Length	30.96
3 x 3	Wireway	16.49
4 x 4	4 Foot	18.16
6 x 6	Length	26.33
3 x 3	Wireway	14.49
4 x 4	3-Foot	15.42
6 x 6	Length	21.37
3 x 3	Wireway	11.81
4 x 4	2 Foot	12.70
6 x 6	Length	16.54
3 x 3	Wireway	8.67
4 x 4	1 Foot	9.92
6 x 6	Length	12.30
3 x 3	Wireway	7.76
4 x 4	½ Foot	8.60
6 x 6	Length	10.22

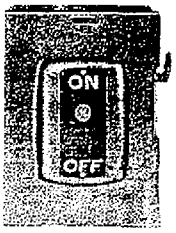
"JIC" OIL-TIGHT LAY-IN WIREWAY FITTINGS

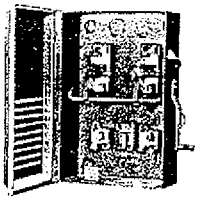
3	Tele-	10.43
4	Scopic	14.99
6	Fitting	17.03
3	90° Elbow	13.96
4	Outside	17.46
6	Opening	20.73
3	90° Elbow	13.76
4	Inside	17.24
6	Opening	20.41
3	90° Elbow	13.56
4	Side	17.03
6	Opening	20.11
3	45° Elbow	14.05
4	Outside	17.36
6	Opening	20.80
3	45° Elbow	13.85
4	Inside	17.15
6	Opening	20.49
3	45° Elbow	13.61
4	Side	16.93
6	Opening	20.18
3	Tee Outside &	17.43
4	Side	22.03
6	Opening	26.43
3	Tee	15.83
4	Side	19.16
6	Opening	23.00
3	Junc-	16.18
4	tion	18.28
6	Box	21.56
3	Cross	23.79
4	Pull	26.57
6	Box	31.87
3–4	Universal Hanger	2.22
6	Drop or Bracket	3.01
3	Box	2.01
4	Connecting	3.12
6	Kit	3.92
3	Orifice	2.15
4	Closure	3.02
6	Kit	3.60
4	Wireway	1.67
6	Connecting Kit	2.43
4–3	Reducing Bushing	10.02
6–4	Center	12.45
4–3	Reducing Bushing	10.02
6–4	Edge	12.45




GENERAL-DUTY SAFETY SWITCHES

INDOOR — NEMA 1 ENCLOSURE
RAINTIGHT — NEMA 3R ENCLOSURE



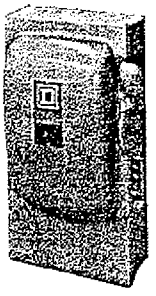
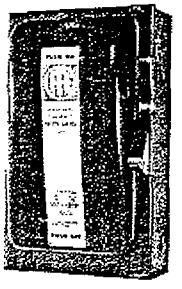


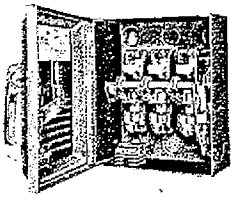
System	Rating Amperes	SQUARE D Cat. No.	SQUARE D Price	I-T-E Cat. No.	I-T-E Price	GE Cat. No.	GE Price	FEDERAL PACIFIC Cat. No.	FEDERAL PACIFIC Price	Horsepower Ratings 240 Volt A-C 1Ø 2W Std.	1Ø 2W Max.	2Ø 4W Std.	2Ø 4W Max.	3Ø 3W Std.	3Ø 3W Max.
FUSIBLE															
INDOOR — NEMA 1 ENCLOSURE															
2 Pole, 2 Fuse or 3 Pole, 2 Fuse and SN															240 Volt A-C
	30	D221N	$11.90	JN-321	$41.90	TG2221	$10.30	3322SN	$11.90	1½	3	—	—	3	7½
	60	D222N	20.80	JN-322	20.80	TG3222	20.80	3622	21.10	3	10	—	—	7½	15
	100	D223N	43.00	JN-323	42.00	TG3223	43.00	3122	42.50	7½	15	—	—	15	30
	200	D224N	91.00	JN-324	91.00	TG3224	91.00	3222	90.00	15	—	—	—	25	60
	400	D225N	256.00	JN-325	256.00	TG3225	256.00	3422SN	252.00	—	—	—	—	50	100
	600	D226N	514.00	JN-326	513.00	TG3226	513.00	3722SN	513.00	—	—	—	—	75	100
3 Pole, 3 Fuse															240 Volt A-C
	30	D321	20.10	JF-321	20.10	TG4321	20.10	3332SN	20.10	1½	3	—	—	3	7½
	60	D322	33.00	JF-322	32.50	TG4322	33.00	3632	32.00	3	10	—	—	7½	15
	100	D323	58.00	JF-323	58.50	TG4323	68.00	3132	59.00	7½	15	—	—	15	30
	200	D324	125.00	JF-324	124.00	TG4324	125.00	3232	125.00	15	—	—	—	25	60
	400	D325	275.00	JF-325	274.00	TG3325	275.00	3432	275.00	—	—	—	—	50	100
	600	D326	550.00	JF-326	549.00	TG3326	550.00	3732	549.00	—	—	—	—	75	100
4 Pole, 3 Fuse and SN															240 Volt A-C
	30	D321N	20.10	JN-421	20.10	TG4321	20.10	3332SN	20.10	—	—	—	—	3	7½
	60	D322N	33.00	JN-422	32.50	TG4322	33.00	3632	32.00	—	—	—	—	7½	15
	100	D323N	58.00	JN-423	58.50	TG4323	58.00	3132	59.00	—	—	—	—	15	30
	200	D324N	125.00	JN-424	124.00	TG4324	125.00	3232	125.00	—	—	—	—	25	60
	400	D325N	312.00	JN-425	311.00	TG4325	312.00	3432SN	311.00	—	—	—	—	50	100
	600	D326N	586.00	JN-426	585.00	TG4326	586.00	3732SN	584.00	—	—	—	—	75	100
4 Pole, 4 Fuse															240Volt A-C
	30	D421	30.00	JF-421	30.00	—	—	3342	—	—	—	3	10	—	—
	60	D422	54.00	JF-422	56.00	—	—	3642	—	—	—	7½	20	—	—
	100	D423	127.00	JF-423	125.00	—	—	3142	—	—	—	15	30	—	—
	200	D424	211.00	JF-424	210.00	—	—	3242	—	—	—	30	50	—	—
	400	—	—	JF-425	374.00	—	—	3442	—	—	—	60	—	—	—
	600	—	—	JF-426	750.00	—	—	3742	—	—	—	—	—	—	—
NO FUSE															240 Volt A-C
2-Pole, 240 Volts, A-C (Use 3-pole switch for 2-pole application)															
3-Pole, 240 Volts, A-C or 2-Pole With Switched Neutral															
	30	DU321	15.60	JU-321	16.70	TGN3321	15.70	7332	16.70	3	—	—	—	7½	—
	60	DU322	21.00	JU-322	21.00	TGN3322	21.00	7632	21.00	10	—	—	—	15	—
	100	DU323	50.00	JU-323	49.00	TGN3323	60.00	7132	49.00	15	—	—	—	30	—
	200	DU324	91.00	JU-324	91.00	TGN3324	91.00	7232	90.00	—	—	—	—	50	—
	400	DU325	221.00	JU-325	220.00	TGN3325	221.00	7432	220.00	—	—	—	—	50	—
	600	DU326	421.00	JU-326	421.00	TGN3326	421.00	7732	421.00	—	—	—	—	—	—
FUSIBLE															
RAINTIGHT — NEMA 3R ENCLOSURE															
2 Pole, 2 Fuse or 3 Pole, 2 Fuse and SN															240 Volt A-C
	30	D221NRB	19.30	NR-321	19.50	TG3221RH	19.50	RH3322SN	19.60	1½	3	—	—	3	7½
	60	D222NRB	33.00	NR-322	32.50	TG3222RH	33.00	RH3632	33.00	3	10	—	—	7½	15
	100	D223NRB	50.00	NR-323	49.00	TG3223RH	50.00	RH3122	49.00	7½	15	—	—	15	30
	200	D224NRB	124.00	NR-324	123.00	TG3224RH	123.00	RH3222	123.00	15	—	—	—	25	60
	400	D225NR	347.00	NR-325	347.00	TG2225R*	347.00	R3422SN	347.00	—	—	—	—	50	100
	600	D226NR	660.00	NR-326	660.00	TG2226R*	660.00	—	—	—	—	—	—	75	100
3 Pole, 3 Fuse															240 Volt A-C
	30	D321RB	30.00	FR-321	29.00	TG4321RH	30.00	RH3332SN	29.00	1½	3	—	—	3	7½
	60	D322RB	46.00	FR-322	45.00	TG4322RH	46.00	RH3632	45.00	3	10	—	—	7½	15
	100	D323RB	84.00	FR-323	83.00	TG4323RH	84.00	RH3132	84.00	7½	15	—	—	15	30
	200	D324RB	151.00	FR-324	151.00	TG4324RH	151.00	RH3232	151.00	15	—	—	—	25	60
	400	D325R	356.00	FR-325	355.00	TG3325R	356.00	R3432	355.00	—	—	—	—	50	100
	600	D326R	769.00	FR-326	771.00	TG3326R	771.00	—	—	—	—	—	—	75	100
4 Pole, 3 Fuse and SN															240 Volt A-C
	30	D321NRB	30.00	NR-421	29.00	TG4321RH	30.00	RH3332SN	29.00	—	—	—	—	3	7½
	60	D322NRB	46.00	NR-422	45.00	TG4322RH	46.00	RH3632	45.00	—	—	—	—	7½	15
	100	D323NRB	84.00	NR-423	83.00	TG4323RH	84.00	RH3132	84.00	—	—	—	—	15	30
	200	D324NRB	151.00	NR-424	151.00	TG4324RH	151.00	RH3232	151.00	—	—	—	—	25	60
	400	D325NR	391.00	NR-425	390.00	TG3325R*	391.50	R3432SN	389.00	—	—	—	—	50	100
	600	D326NR	804.00	NR-426	800.00	TG3326R*	807.50	—	—	—	—	—	—	75	100
NO FUSE															240 Volt A-C
2-Pole, 240 Volts, A-C (Use 3-pole switch for 2-pole application)															
3-Pole, 240 Volts, A-C or 2-Pole With Switched Neutral															
	30	DU321RB	30.00	NFR-321	29.00	TGN3321RH	30.00	RH7332	29.00	3	—	—	—	7½	—
	60	DU322RB	46.00	NFR-322	45.50	TGN3322RH	46.00	RH7632	45.00	10	—	—	—	15	—
	100	DU323RB	84.00	NFR-323	83.00	TGN3323RH	84.00	RH7132	84.00	15	—	—	—	30	—
	200	DU324RB	151.00	NFR-324	151.00	TGN3324RH	151.00	RH7232	151.00	—	—	—	—	50	—

HEAVY-DUTY SAFETY SWITCHES

INDOOR — NEMA 1 ENCLOSURE
RAINTIGHT — NEMA 3R ENCLOSURE

240 VOLT FUSIBLE



System	Rating Amperes	SQUARE D Cat. No.	SQUARE D Price	I-T-E Cat. No.	I-T-E Price	GE Cat. No.	GE Price	FEDERAL PACIFIC Cat. No.	FEDERAL PACIFIC Price	Horsepower Ratings: 240 Volt A-C 1Ø 2W Std.	1Ø 2W Max.	2Ø 4W Std.	2Ø 4W Max.	3Ø 3W Std.	3Ø 3W Max.	250V D-C 2W Std.

INDOOR — NEMA 1 ENCLOSURE

2 Pole, 2 Fuse or 3 Pole, 2 Fuse and SN										240 Volt A-C, 250 Volt D-C						
	30	H-221-N	$35.00	SN-321	$25.00	TH3221	$25.00	1322	$25.00	1½	3	—	—	3	7½	5
	60	H-222-N	47.00	SN-322	47.00	TH3222	47.00	1622	47.00	3	10	—	—	7½	15	10
	100	H-223-N	75.00	SN-323	75.00	TH3223	75.00	1122	76.00	7½	15	—	—	15	30	20
	200	H-224-N	132.00	SN-324	132.00	TH3224	132.00	Q1222	132.00	15	—	—	—	25	60	40
	400	H-225-N	309.00	SN-325	309.00	TH3225	309.00	Q1422	272.00	—	—	—	—	50	100	50
	600	H-226-N	579.00	SN-326	579.00	TH3226	579.00	Q1722	541.00	—	—	—	—	75	100	—
	800	H-227N	909.00	*SN-327L	910.00	TC72267	1096.00	Q1826L	1025.00	—	—	—	—	100	—	—
	1200	H-228N	1230.00	*SN-328L	1250.00	TC72268	1445.00	Q1926L	1443.00	—	—	—	—	—	—	—
3 Pole, 3 Fuse										240 Volt A-C, 250 Volt D-C						
	30	H-321	31.00	F-321	31.00	TH4321	31.00	1332	31.00	1½	3	—	—	3	7½	5
	60	H-322	54.00	F-322	54.50	TH4322	54.00	1632	54.00	3	10	—	—	7½	15	10
	100	H-323	86.00	F-323	85.50	TH4323	86.00	1132	86.00	7½	15	—	—	15	30	20
	200	H-324	147.00	F-324	147.00	TH4324	147.00	Q1232	147.00	15	—	—	—	25	60	40
	400	H-325	341.00	F-325	341.00	TH3325	341.00	Q1432	341.00	—	—	—	—	50	100	50
	600	H-326	615.00	F-326	615.00	TH3326	615.00	Q1732	615.00	—	—	—	—	75	100	—
	800	H-327	1136.00	*F-327L	1140.00	TC72367	1319.00	Q1836L	1319.00	—	—	—	—	100	—	—
	1200	H-328	1445.00	*F-328L	1440.00	TC72368	1734.00	Q1936L	1734.00	—	—	—	—	—	—	—
4 Pole, 3 Fuse and SN										240 Volt A-C						
	30	H-321-N	31.00	SN-421	31.00	TH4321	31.00	1332	31.00	—	—	—	—	3	7½	—
	60	H-322-N	54.00	SN-422	54.50	TH4322	54.00	1632	54.00	—	—	—	—	7½	15	—
	100	H-323-N	86.00	SN-423	85.50	TH4323	86.00	1132	86.00	—	—	—	—	15	30	—
	200	H-324-N	147.00	SN-424	147.00	TH4324	147.00	Q1232	147.00	—	—	—	—	25	60	—
	400	H-325-N	378.00	SN-425	377.00	TH4325	378.00	Q1432	341.00	—	—	—	—	50	100	—
	600	H-326-N	650.00	SN-426	649.00	TH4326	650.00	Q1732	615.00	—	—	—	—	75	100	—
	800	H-327N	1208.00	*SN-427L	1210.00	TC72367*	1389.00	Q1836L	1319.00	—	—	—	—	100	—	—
	1200	H-328N	1517.00	*SN-428L	1540.00	TC72368*	1810.00	Q1936L	1734.00	—	—	—	—	—	—	—
4 Pole, 4 Fuse										240 Volt A-C						
	30	H-421-2	62.00	F-421	60.00	—	—	—	—	—	—	3	10	—	—	—
	60	H-422	84.00	F-422	82.00	—	—	—	—	—	—	7½	20	—	—	—
	100	H-423	132.00	F-423	131.00	—	—	—	—	—	—	15	30	—	—	—
	200	H-424	238.00	F-424	237.00	—	—	—	—	—	—	30	50	—	—	—
	400	H-425	453.00	F-425	450.00	—	—	—	—	—	—	50	—	—	—	—
	600	H-426	813.00	F-426	808.00	—	—	—	—	—	—	—	—	—	—	—

RAINTIGHT — NEMA 3R ENCLOSURE

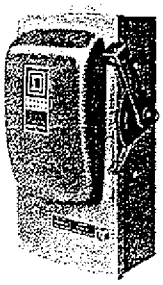
2 Pole, 2 Fuse or 3 Pole, 2 Fuse and SN										240 Volt A-C, 250 Volt D-C						
	30	H221NRB	46.00	NRH-321	45.50	TH3221RH	$46.00	RH1322	$ 45.00	1½	3	—	—	3	7½	5
	60	H222NRB	90.00	NRH-322	85.50	TH3222RH	86.00	RH1622	86.00	3	10	—	—	7½	15	10
	100	H223NRB	130.00	NRH-323	109.00	TH3223RH	119.00	RH1132	111.00	7½	15	—	—	15	30	20
	200	H224NRB	158.00	NRH-324	157.00	TH3224RH	158.00	RHQ1223	157.00	15	—	—	—	25	60	40
	400	H225NR	387.00	NRH-325	383.00	TH3225R	387.00	RQ1422	351.00	—	—	—	—	50	100	—
	600	H226NR	726.00	NRH-326	725.00	TH3226R	726.00	RQ1722	686.00	—	—	—	—	75	100	—
	800	H227NR	1210.00	*NRH-327L	1210.00	TC72267R	1470.00	RQ1826L	1392.00	—	—	—	—	100	—	—
	1200	H228NR	1650.00	*NRH-328L	1650.00	TC72268R	2028.00	RQ1926L	1928.00	—	—	—	—	—	—	—
3 Pole, 3 Fuse										240 Volt A-C						
	30	H321RB	56.00	FRH-321	56.00	TH4321RH	56.00	RH1332	56.00	1½	3	—	—	3	7½	—
	60	H322RB	90.00	FRH-322	89.50	TH4322RH	90.00	RH1632	89.00	3	10	—	—	7½	15	—
	100	H323RB	130.00	FRH-323	130.00	TH4323RH	130.00	RH1132	130.00	7½	15	—	—	15	30	—
	200	H324RB	178.00	FRH-324	177.00	TH4324RH	178.00	RHQ1232	183.00	15	—	—	—	25	60	—
	400	H325R	396.00	FRH-325	395.00	TH3325R	396.00	RQ1432	396.00	—	—	—	—	50	100	—
	600	H326R	826.00	FRH-326	825.00	TH3326R	826.00	RQ1732	827.00	—	—	—	—	75	100	—
	800	H327R	1542.00	FRH-327	1530.00	TC72367R	1837.00	RQ1836L	1683.00	—	—	—	—	100	—	—
	1200	H328R	1990.00	FRH-328	1980.00	TC72368R	2314.00	RQ1936L	2220.00	—	—	—	—	—	—	—
4 Pole, 3 Fuse and SN										240 Volt A-C						
	30	H321NRB	56.00	NRH-42	56.00	TH4321RH	56.00	RH1332	56.00	—	—	—	—	3	7½	—
	60	H322NRB	90.00	NRH-422	89.50	TH4322RH	90.00	RH1632	89.00	—	—	—	—	7½	15	—
	100	H323NRB	130.00	NRH-423	130.00	TH4323RH	130.00	RH1132	130.00	—	—	—	—	15	30	—
	200	H324NRB	178.00	NRH-424	177.00	TH4324RH	178.00	RHQ1232	182.00	—	—	—	—	25	60	—
	400	H325NR	431.00	NRH-425	419.00	TH3325R*	396.00	RQ1432	396.00	—	—	—	—	50	100	—
	600	H326NR	861.00	NRH-426	860.00	TH3326R*	826.00	RQ1732	827.00	—	—	—	—	75	100	—
	800	—	—	*NRH-427L	1550.00	TC72367R*	1907.00	RQ1836L	1683.00	—	—	—	—	100	—	—
	1200	—	—	*NRH-428L	2060.00	TC72368R*	2420.00	RQ1936L	2220.00	—	—	—	—	—	—	—

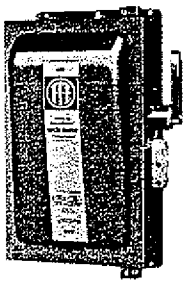
*Price of neutral is included.

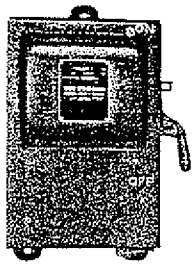
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

HEAVY-DUTY SAFETY SWITCHES

NEMA 12 ENCLOSURE







240 VOLT FUSIBLE

System	Rating Amperes	SQUARE D Cat. No.	SQUARE D Price	I-T-E Cat. No.	I-T-E Price	GE Cat. No.	GE Price	FEDERAL PACIFIC Cat. No.	FEDERAL PACIFIC Price	Horsepower Ratings 240 Volt A-C 1 Ø 2W Std.	1 Ø 2W Max.	3 Ø 3W Std.	3 Ø 3W Max.	250V D-C 2W Std.
2 Pole, 2 Fuse or 3 Pole, 2 Fuse and SN*														
	30	H221A	$16.00	F-221H	$45.00	TR72321SN	$51.00	—	—	1½	3	3	7½	5
	60	H222A	62.00	F-222H	60.50	TR72322SN	67.00	—	—	3	10	7½	15	10
	100	H223A	91.00	F-223H	91.00	TR72323SN	108.00	—	—	7½	15	15	30	20
	200	H224A	152.00	F-224H	152.00	TR72324SN	168.00	—	—	15	—	25	60	40
	400	H225A	342.00	F-225H	341.00	TR72325SN	380.00	—	—	—	—	50	100	50
	600	H226A	598.00	F-226H	600.00	TR72326SN	634.00	—	—	—	—	75	100	—
3 Pole, 3 Fuse or 4 Pole, 3 Fuse and SN*														
	30	H321A	56.00	F-321H	67.00	TR72421SN	64.00	—	—	—	—	3	7½	—
	60	H322A	80.00	F-322H	79.00	TR72422SN	86.00	—	—	—	—	7½	15	—
	100	H323A	123.00	F-323H	122.00	TR72423SN	139.00	—	—	—	—	15	30	—
	200	H324A	184.00	F-324H	182.00	TR72424SN	190.00	—	—	—	—	25	60	—
	400	H325A	401.00	F-325H	401.00	TR72425SN	440.00	—	—	—	—	50	100	—
	600	H326A	671.00	F-326H	669.00	TR72426SN	708.00	—	—	—	—	75	100	—

600 VOLT

System	Rating Amperes	SQUARE D Cat. No.	SQUARE D Price	I-T-E Cat. No.	I-T-E Price	GE Cat. No.	GE Price	FEDERAL PACIFIC Cat. No.	FEDERAL PACIFIC Price	Horsepower Ratings 480 Volt A-C 2W Std.	2W Max.	3 3W Std.	3 3W Max.	600 Volt A-C 1 2W Std.	1 2W Max.	3 3W Std.	3 3W Max.	250V D-C 2W Std.
FUSIBLE																		
2 Pole, 2 Fuse or 3 Pole, 2 Fuse and SN*																		480 Volt A-C, 600 Volt A-C, 250 Volt D-C
	30	H261A	$76.00	F-251H	$76.00	—	—	—	—	3	7½	—	—	3	10	—	—	5
	60	H262A	80.00	F-252H	79.00	—	—	—	—	5	20	—	—	10	25	—	—	10
	100	H263A	134.00	F-253H	133.00	—	—	—	—	10	30	—	—	15	40	—	—	20
	200	H264A	184.00	F-254H	182.00	—	—	—	—	25	50	—	—	30	50	—	—	40
	400	H265A	420.00	F-255H	418.00	—	—	—	—	—	—	—	—	—	—	—	—	50
	600	H266A	663.00	F-256H	660.00	—	—	—	—	—	—	—	—	—	—	—	—	—
3 Pole, 3 Fuse or 4 Pole, 3 Fuse and SN*																		480 Volt A-C, 600 Volt A-C
	30	H361A	88.00	F-351H	87.00	TR72361	$88.00	—	—	—	—	5	15	—	—	7½	20	—
	60	H362A	91.00	F-352H	90.00	TR72362	91.00	—	—	—	—	15	30	—	—	15	50	—
	100	H363A	141.00	F-353H	139.00	TR72363	141.00	—	—	—	—	25	60	—	—	30	75	—
	200	H364A	226.00	F-354H	224.00	TR72364	226.00	—	—	—	—	50	100	—	—	60	100	—
	400	H365A	498.00	F-355H	494.00	TR72365	498.00	—	—	—	—	100	—	—	—	100	—	—
	600	H366A	840.00	F-356H	835.00	TR72366	840.00	—	—	—	—	—	—	—	—	—	—	—

*If Solid Neutral is required, order by description. For example: A TR72221 with Solid Neutral is required for a 3 pole, 2 fuse and SN application.
For Square D, add "N" to catalog number. For example: H-221NA for 2 fuse and SN applications use price adder as indicated below.

NON-FUSIBLE

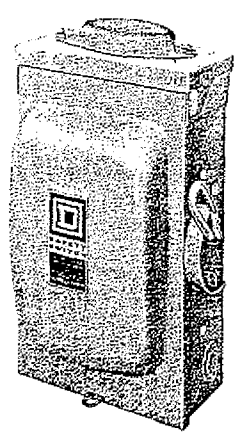
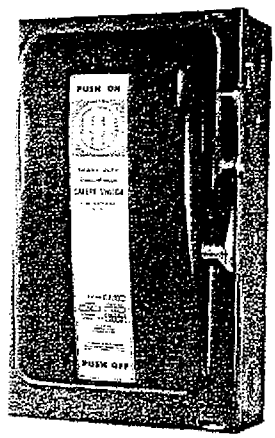
2 Pole, No Fuse																		480 Volt, A-C, 250 Volt A-C
	30	HU261A	$51.00	NF-251H	$49.90	—	—	—	—	7½	—	—	—	10	—	—	—	5
	60	HU262A	56.00	NF-252H	57.00	—	—	—	—	20	—	—	—	25	—	—	—	10
	100	HU263A	90.00	NF-253H	89.00	—	—	—	—	30	—	—	—	40	—	—	—	20
	200	HU264A	120.00	NF-254H	128.00	—	—	—	—	50	—	—	—	50	—	—	—	40
	400	HU265A	294.00	NF-255H	292.00	—	—	—	—	—	—	—	—	—	—	—	—	50
	600	HU266A	495.00	NF-256H	492.00	—	—	—	—	—	—	—	—	—	—	—	—	—
3 Pole, No Fuse																		480 Volt A-C, 600 Volt A-C
	30	HU361A	62.00	NF-351H	60.00	TR36361	$62.00	—	—	—	—	15	—	—	—	20	—	—
	60	HU362A	76.00	NF-352H	75.00	TR36362	76.00	—	—	—	—	30	—	—	—	50	—	—
	100	HU363A	110.00	NF-353H	109.00	TR36363	110.00	—	—	—	—	50	—	—	—	60	—	—
	200	HU364A	147.00	NF-354H	147.00	TR36364	147.00	—	—	—	—	50	—	—	—	50	—	—
	400	HU365A	381.00	NF-355H	380.00	TR36365	381.00	—	—	—	—	—	—	—	—	—	—	—
	600	HU366A	612.00	NF-356H	610.00	TR36366	612.00	—	—	—	—	—	—	—	—	—	—	—

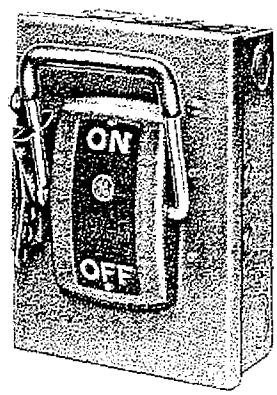
INSULATED GROUNDABLE NEUTRAL KITS

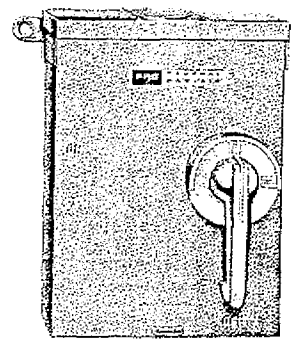
Amp.	Price	Lug Wire Size Copper	Lug Wire Size Alum.
30-60	$7.30	14-2	12-2
30-100	15.70	14-1/0	12-1/0
200	21.20	6-250 MCM	6-250 MCM
400	36.50	(1) 4-600 MCM or (2) 1/0-3/0	(1) 4-600 MCM or (2) 1/0-250 MCM
600			

HEAVY-DUTY SAFETY SWITCHES

INDOOR — NEMA 1 ENCLOSURE
RAINTIGHT — NEMA 3R ENCLOSURE



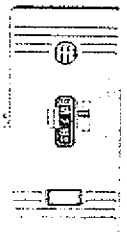


600 VOLT

System	Rating Amperes	SQUARE D Cat. No.	SQUARE D Price	I-T-E Cat. No.	I-T-E Price	GE Cat. No.	GE Price	FEDERAL PACIFIC Cat. No.	FEDERAL PACIFIC Price	Horsepower Ratings: 480 Volt A-C 1 Ø 2W Std.	480 Volt A-C 1 Ø 2W Max.	480 Volt A-C 3 Ø 3W Std.	480 Volt A-C 3 Ø 3W Max.	600 Volt A-C 1 Ø 2W Std.	600 Volt A-C 1 Ø 2W Max.	600 Volt A-C 3 Ø 3W Std.	600 Volt A-C 3 Ø 3W Max.	250V D-C 2W Std.
FUSIBLE — 2 Pole, 2 Fuse; 3 Pole, 3 Fuse or 4 Pole, 3 Fuse and SN* — 480 Volt A-C, 600 Volt A-C																		
INDOOR NEMA 1 ENCLOSURE																		
	30	H361	$54.00	F-351	$54.00	TH3361	$54.00	1336	$54.00	3	7½	5	15	3	10	7½	20	—
	60	H362	65.00	F-352	64.00	TH3362	65.00	1636	64.00	5	20	15	30	10	25	15	50	—
	100	H363	120.00	F-353	119.00	TH3363	120.00	1136	119.00	10	30	25	60	15	40	30	75	—
	200	H364	175.00	F-354	175.00	TH3364	175.00	Q1236	175.00	25	50	50	100	30	50	60	100	—
	400	H365	454.00	F-355	453.00	TH3365	454.00	Q1436	453.00	—	—	100	—	—	—	100	—	—
	600	H366	763.00	F-356	762.00	TH3366	763.00	Q1736	763.00	—	—	—	—	—	—	—	—	—
	800	H367	1319.00	*F-357L	1310.00	TC72367	1319.00	Q1836L	1319.00	—	—	—	—	—	—	—	—	—
	1200	H368	1735.00	*F-358L	1730.00	TC72368	1734.00	Q1936L	1734.00	—	—	—	—	—	—	—	—	—
RAINTIGHT—NEMA 3R ENCLOSURE																		
	30	H361RB	91.00	FR-351	91.00	TH3361RH	91.00	RH1336	89.00	3	7½	5	15	3	10	7½	20	—
	60	H362RB	108.00	FR-352	108.00	TH3362RH	108.00	RH1636	107.00	5	20	15	30	10	25	15	40	—
	100	H363RB	168.00	FR-353	168.00	TH3363RH	168.00	RH1136	168.00	10	30	25	60	15	40	30	75	—
	200	H364RB	231.00	FR-354	231.00	TH3364RH	231.00	RHQ1236	230.00	25	50	50	100	30	50	60	100	—
	400	H365R	541.00	FR-355	541.00	TH3365R	541.00	RQ1436	541.00	—	—	100	—	—	—	100	—	—
	600	H366R	1065.00	FR-356	1065.00	TH3366R	1065.00	RQ1736	1064.00	—	—	—	—	—	—	—	—	—
	800	—	—	*FR-357L	1720.00	TC72367R	1837.00	RQ1836L	1683.00	—	—	—	—	—	—	—	—	—
	1200	—	—	*FR-358L	2210.00	TC72368R	2314.00	RQ1936L	2220.00	—	—	—	—	—	—	—	—	—
NON-FUSIBLE — 2 Pole, No Fuse or 3 Pole, No Fuse — 480 Volt A-C, 600 Volt A-C, 250 Volt D-C																		
INDOOR—NEMA 1 ENCLOSURE																		
	30	HU361	28.00	NF-351	27.50	THN3361	27.50	5336	28.00	7½	—	15	—	10	—	20	—	5
	60	HU362	51.00	NF-352	50.00	THN3362	50.00	5636	51.00	20	—	30	—	25	—	50	—	10
	100	HU363	80.00	NF-353	79.00	THN3363	79.00	5136	79.00	30	—	50	—	40	—	50	—	20
	200	HU364	123.00	NF-354	122.00	THN3364	122.00	Q5236	122.00	50	—	50	—	50	—	50	—	40
	400	HU365	275.00	NF-355	274.00	THN3365	274.00	Q5436	275.00	—	—	—	—	—	—	—	—	—
	600	HU366	487.00	NF-356	486.00	THN3366	486.00	Q5736	486.00	—	—	—	—	—	—	—	—	—
	800	HU367	989.00	NF-357	991.00	TC36367	991.00	Q5836	989.00	—	—	—	—	—	—	—	—	—
	1200	HU368	1330.00	NF-358	1329.00	TC36368	1329.00	Q5936	1327.00	—	—	—	—	—	—	—	—	—
RAINTIGHT—NEMA 3R ENCLOSURE																		
	30	HU361RB	51.00	NFR-351	50.00	THN3361RH	50.00	RH5336	51.00	7½	—	15	—	10	—	20	—	5
	60	HU362RB	89.00	NFR-352	88.50	THN3362RH	88.50	RH5636	88.00	20	—	30	—	25	—	50	—	10
	100	HU363RB	125.00	NFR-353	124.00	THN3363RH	124.00	RH5136	125.00	30	—	50	—	40	—	50	—	20
	200	HU364RB	151.00	NFR-354	151.00	THN3364RH	151.00	RHQ5236	151.00	50	—	50	—	50	—	50	—	40
	400	HU365R	376.00	NFR-355	375.00	THN3365R	375.00	RQ5436	375.00	—	—	—	—	—	—	—	—	—
	600	HU366R	751.00	NFR-356	751.00	THN3366R	751.00	RQ5736	744.00	—	—	—	—	—	—	—	—	—
	800	—	—	NFR-357	1350.00	—	—	RQ5836	1357.00	—	—	—	—	—	—	—	—	—
	1200	—	—	NFR-358	1800.00	—	—	RQ5936	1828.00	—	—	—	—	—	—	—	—	—

*Price of neutral is included.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

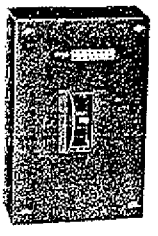


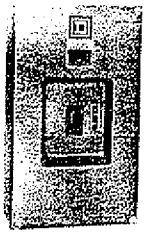


HEAVY-DUTY MOLDED-CASE CIRCUIT BREAKERS

INDOOR NEMA 1 ENCLOSURE

3 POLE, 240–600 VOLTS AC, 15–2000 AMPERES





Rating		ENCLOSED BREAKER—COMPLETE BREAKER PLUS NEMA 1 ENCLOSURE											
		I-T-E			GE			FEDERAL PACIFIC			SQUARE D		
Volts AC	Amperes	Breaker Frame	Cat. No.*	Price	Breaker Frame	Cat. No.	Price	Breaker Frame	Cat. No.	Price	Breaker Frame	Cat. No.	Price
NON-INTERCHANGEABLE TRIP													
240	15 20 30 40 50	E 100A	EE3-B015-EE1 EE3-B020-EE1 EE3-B030-EE1 EE3-B040-EE1 EE3-B050-EE1	$68.	TEB 100A	TEB132015WLS TEB132020WLS TEB132030WLS TEB132040WLS TEB132050WLS	$68.30	NE 100A	NE231015-1100T NE231020-1100T NE231030-1100T NE231040-1100T NE231050-1100T	$69.30	AI 100A	AIE 315F/S AIE 320F/S AIE 330F/S AIE 340F/S AIE 350F/S	$68.
	70 90 100		EE3-B070-EE1 EE3-B090-EE1 EE3-B100-EE1	92.		TEB132070WLS TEB132090WLS TEB132100WLS	91.30		NE231070-1100T NE231090-1100T NE231100-1100T	94.30		AIE 370F/S AIE 390F/S AIE 3100F/S	93.
480	15 20 30 40 50	EH 100A	EH3-B015-EE1 EH3-B020-EE1 EH3-B030-EE1 EH3-B040-EE1 EH3-B050-EE1	99.	TED 100A	TED134015WLS TED134020WLS TED134030WLS TED134040WLS TED134050WLS	98.80	NEF 100A	NEF433015-1100T NEF433020-1100T NEF431030-1100T NEF431040-1100T NEF431050-1100T	100.30	FA 100A	FAE 34015F/S FAE 34020F/S FAE 34030F/S FAE 34040F/S FAE 34050F/S	100.
	70 90 100		EH3-B070-EE1 EH3-B090-EE1 EH3-B100-EE1	115.		TED134070WLS TED134090WLS TED134100WLS	114.30		NEF431070-1100T — NEF431100-1100T	117.30		FAE 34070F/S FAE 34090F/S FAE 34100F/S	116.
600	15 20 30 40 50	EF 100A	EF3-B015-EE1 EF3-B020-EE1 EF3-B030-EE1 EF3-B040-EE1 EF3-B050-EE1	113.	TED 100A	TED136015WLS TED136020WLS TED136030WLS TED136040WLS TED136050WLS	112.30	NEF 100A	NEF631015-1100T NEF631020-1100T NEF631030-1100T NEF631040-1100T NEF631050-1100T	114.30	FA 100A	FAE 36015F/S FAE 36020F/S FAE 36030F/S FAE 36040F/S FAE 36050F/S	114.
	70 90 100		EF3-B070-EE1 EF3-B090-EE1 EF3-B100-EE1	134.		TED136070WLS TED136090WLS TED136100WLS	133.80		NEF631070-1100T — NEF631100-1100T	135.30		FAE 36070F/S FAE 36090F/S FAE 36100F/S	135.
600	70 90 100 125	FJ 225A	FJ3-B070-FJ1 FJ3-B090-FJ1 FJ3-B100-FJ1 FJ3-B125-FJ1	284.	*TFJ 225A	TFJ236070WLS TFJ236090WLS TFJ236100WLS TFJ236125WLS	296.00	NFJ 225A	NFJ631070-1225T — NFJ631100-1225T NFJ631125-1225T	286.10	KA 225A	KAE 36070F/S KAE 36090F/S KAE 36100F/S KAE 36125F/S	285.
	150 175 200 225		FJ3-B150-FJ1 FJ3-B175-FJ1 FJ3-B200-FJ1 FJ3-B225-FJ1			TFJ236150WLS TFJ236175WLS TFJ236200WLS TFJ236225WLS			NFJ631150-1225T NFJ631175-1225T NFJ631200-1225T NFJ631225-1225T			KAE 36150F/S KAE 36175F/S KAE 36200F/S KAE 36225F/S	
600	250 300 350 400	**JJ 400A	JJ3-B250-JL1 JJ3-B300-JL1 JJ3-B350-JL1 JJ3-B400-JL1	489.	*TJJ 400A	TJJ436250WLS TJJ436300WLS TJJ436350WLS TJJ436400WLS	517.00	NJL 400A	NJL631250-1400T NJL631300-1400T NJL631350-1400T NJL631400-1400T	488.50	LA 400A	LAE 36250F/S LAE 36300F/S LAE 36350F/S LAE 36400F/S	487.
INTERCHANGEABLE TRIP													
600	70 90 100 125	**JL 400A	JL3-B070-JL1 JL3-B090-JL1 JL3-B100-JL1 JL3-B125-JL1	512.	*TFK 225A	TFK236070WLS TFK236090WLS TFK236100WLS TFK236125WLS	345.00	NM 800A	— — — NM631125-1800T	— — — 544.	—	—	—
	150 175 200 225		JL3-B150-JL1 JL3-B175-JL1 JL3-B200-JL1 JL3-B225-JL1			TFK236150WLS TFK236175WLS TFK236200WLS TFK236225WLS			NM631150-1800T NM631175-1800T NM631200-1800T NM631225-1800T	544.		—	
	250 300 350 400		JL3-B250-JL1 JL3-B300-JL1 JL3-B350-JL1 JL3-B400-JL1		*TJK 400A	TJK436250WLS TJK436300WLS TJK436350WLS TJK436400WLS	517.00		NM631250-1800T NM631300-1800T NM631350-1800T NM631400-1800T			—	—
600	500 600	**KM 800A	KM3-B500-KM1 KM3-B600-KM1	849.	*TJK 600A	TJK636500WLS TJK636600WLS	855.00		NM631500-1800T NM631600-1800T	857.		MAE 36500F/S MAE 36600F/S	852.
	700 800		KM3-B700-KM1 KM3-B800-KM1	1107.	*TKM 800A	TKMA836700WLS TKMA836800WLS	1307.00		NM631700-1800T NM631800-1800T	1110.	MA★ 1000A	MAE 36700F/S MAE 36800F/S	1107.
600	1000 1200	**KP 1200A	KP3-B100-KP1 KP3-B120-KP1	1364. 1874.	*TKM 1200A	TKMA31000WLS TKMA31200WLS	1595.00 2075.00	NP 2000A	—			MAE 361000F/S	1395.
600	1400 1600	HP^ 1600A	HP3-B140-CP1 HP3-B160-CP1	3210.	S2000* 2000A	TS20314† TS20316†	2993.00		—		PA★ 2000A	PAE 3612005 PAE 3614005 PAE 3616005	2522. 2831. 2870.
600	1800 2000	HR^ 2000A	HR3-B180-CR1 HR3-B200-CR1	3520.		TS20318† TS20320†	3381.00		—			PAE 3618005 PAE 3620005	3110.

* Must specify neutral.

** Must specify connectors.

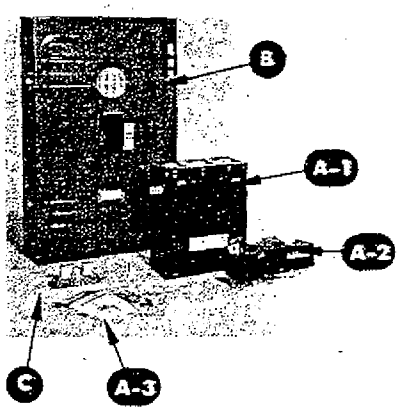
^ Dual-magnetic trip unit. *High-interrupting-rating type.*

† Complete breaker with terminal stabs. For enclosure, consult factory.

* High-interrupting-rating type.

★ *Permanent trip construction, PA has removable rating columns.*

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.



I-T-E HEAVY-DUTY MOLDED-CASE CIRCUIT BREAKERS

INDOOR NEMA 1 ENCLOSURE

2 AND 3 POLE, 240-600 VOLTS AC, 15-800 AMPERES

BREAKER COMPONENTS AS PACKAGED AND STOCKED

Listed here are the components that make up the most frequently ordered enclosed molded-case circuit breakers. Each component listed is packaged and stocked separately. This provides maximum flexibility in meeting the variations in breaker construction required by the field. When an enclosed breaker is ordered, all components indicated for that breaker in the tables below must be included.

TO ORDER ENCLOSED BREAKER:

Specify all components listed below for the specific breaker. Components are packaged and stocked in this manner.

For non-interchangeable-trip breakers

SPECIFY (A) + (B) + (C)

For interchangeable-trip breakers:

SPECIFY (A-1) + (A-2) + (A-3) + (B) + (C)

SPECIFY: (A) + (B) + (C) → NON-INTERCHANGEABLE TRIP

			(A) COMPLETE BREAKER Unenclosed				(B) NEMA 1 ENCLOSURE**		(C) NEUTRAL†	
Breaker Frame	Rating Volts AC	Rating Amperes	2 POLE Cat. No.	2 POLE Price	3 POLE Cat. No.	3 POLE Price	Cat. No.	Price	Cat. No.	Price
E	240	15 20 30 50	EE2-B015 EE2-B020 EE2-B030 EE2-B050	$ 36.	EE3-B015 EE3-B020 EE3-B030 EE3-B050	$ 51.	EE1	$17.	N-100	No Charge
		70 100	EE2-B070 EE2-B100	57.	EE3-B070 EE3-B100	75.				
EH	480	15 20 30 50	EH2-B015 EH2-B020 EH2-B030 EH2-B050	64.	EH3-B015 EH3-B020 EH3-B030 EH3-B050	82.				
		70 100	EH2-B070 EH2-B100	82.	EH3-B070 EH3-B100	98.				
EF	600	15 20 30 50	EF2-B015 EF2-B020 EF2-B030 EF2-B050	75.	EF3-B015 EF3-B020 EF3-B030 EF3-B050	96.				
		70 100	EF2-B070 EF2-B100	95.	EF3-B070 EF3-B100	117.				
FJ		125 150 200 225	FJ2-B125 FJ2-B150 FJ2-B200 FJ2-B225	213.	FJ3-B125 FJ3-B150 FJ3-B200 FJ3-B225	264.	FJ1	20.	N-225	$20.
JJ		250 400	—	—	JJ3-B250* JJ3-B400*	459.	JL1	30.	N-400	25.50

SPECIFY: (A-1) + (A-2) + (A-3) + (B) + (C) → INTERCHANGEABLE TRIP

			(A-1) BREAKER FRAME Only		(A-2) TRIP UNIT Only		(A-3) CONNECTORS‡		(B) NEMA 1 ENCLOSURE**		(C) NEUTRAL†	
Breaker Frame	Rating Volts AC	Rating Amperes	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
JL	2 POLE											
	600	225 400	JL2-F400	$221.	JL2-T225 JL2-T400	$159. 159.	TA1-J300 TA1-J500	$3.00	JL1	$30.	N-400	$25.50
	3 POLE											
	600	125 200 225	JL3-F400	267.	JL3-T125 JL3-T200 JL3-T225	197.	TA1-J300	3.00	JL1	30.	N-400	25.50
		250 300 400			JL3-T250 JL3-T300 JL3-T400	197.	TA1-J500					
KM	2 POLE											
	600	600 800	KM2-F800	408.	KM2-T600 KM2-T800	189. 367.	TA2-K500 TA3-K350	8.00 11.50		54.	N-800	30.
	3 POLE											
	600	500 600	KM3-F800	500.	KM3-T500 KM3-T600	247.	TA2-K500	8.00		54.	N-800	30.
		700 800			KM3-T700 KM3-T800	484.	TA3-K350	11.50				

* Must specify connectors, Cat. No. TA1-J500.

** See table at right for alternate enclosures available.

† Must specify neutral.

‡ Must specify connectors.

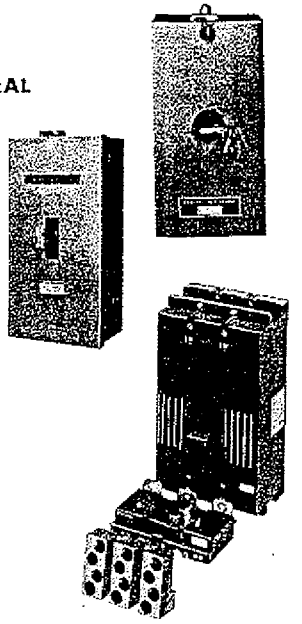
ALTERNATE ENCLOSURES

Breaker Frame	NEMA 1A Cat. No.	NEMA 1A Price	NEMA 3 Cat. No.	NEMA 3 Price
E, EH, EF	EE1A	$29.	EE3	$47.
FJ	FJ1A	47.	FJ3	69.
JJ, JL	JL1A	84.	—	—
KM	KM1A	157.	—	—

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC HEAVY-DUTY MOLDED-CASE CIRCUIT BREAKERS
INDOOR NEMA 1 AND INDUSTRIAL NEMA 12 ENCLOSURES
2- and 3-pole, 240—600 Volts AC, 15 to 1200 Amperes

ENCLOSED CIRCUIT BREAKER = FRAME + TRIP + LUGS + ENCLOSURE + NEUTRAL



NON-INTERCHANGEABLE TRIP Enclosed Circuit Breaker Complete

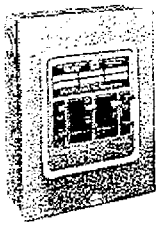
Breaker Frame	RATING Volts AC	RATING Amperes	COMPLETE BREAKER, UNENCLOSED 2-POLE Cat. No.	2-POLE Price	3-POLE Cat. No.	3-POLE Price	NEMA 1 ENCLOSURE Cat. No.	NEMA 1 ENCLOSURE Price	NEUTRAL Cat. No.	NEUTRAL Price
E	240	15	TEB122015WL	$35.50	TEB132015WL	$51.50	TEI00F or S	$16.80	Included with Enclosure	No Charge
		20	TEB122020WL		TEB132020WL					
		30	TEB122030WL		TEB132030WL					
		40	TEB122040WL		TEB132040WL					
		50	TEB122050WL		TEB132050WL					
		70	TEB122070WL	56.50	TEB132070WL	74.50				
		100	TEB122100WL		TEB132100WL					
TED	480	15	TED124015WL	64.00	TED134015WL	82.00				
		20	TED124020WL		TED134020WL					
		30	TED124030WL		TED134030WL					
		40	TED124040WL		TED134040WL					
		50	TED124050WL		TED134050WL					
		70	TED124070WL	82.00	TED134070WL	97.50				
		100	TED124100WL		TED134100WL					
TED	600	15	TED126015WL	74.50	TED136015WL	95.50				
		20	TED126020WL		TED136020WL					
		30	TED126030WL		TED136030WL					
		40	TED126040WL		TED136040WL					
		50	TED126050WL		TED136050WL					
		70	TED126070WL	94.50	TED136070WL	117.00				
		100	TED126100WL		TED136100WL					

INTERCHANGEABLE TRIP Enclosed Circuit Breaker = Breaker Frame + Trip + Lugs + Enclosure + Neutral

Breaker Frame	RATING Volts AC	RATING Amperes	BREAKER FRAME ONLY Cat. No.	BREAKER FRAME ONLY Price	TRIP UNIT ONLY Cat. No.	TRIP UNIT ONLY Price	TERMINAL LUGS FOR FRONT CONNECTION Cat. No.	TERMINAL LUGS FOR FRONT CONNECTION Price	NEMA 1 ENCLOSURE Cat. No.	NEMA 1 ENCLOSURE Price	NEMA 12 ENCLOSURE Cat. No.	NEMA 12 ENCLOSURE Price	NEUTRAL Cat. No.	NEUTRAL Price
2-POLE														
TFK	600	125	TFK226F000	$180.00	TFK226T125	$68.00	TCAL 24 (Load End) TCAL 26 (Line End)	$3.00	TF225F or S	$22.00	TF225J	$47.00	TNI225	$20.50
		150			TFK226T150									
		200			TFK226T200									
		225			TFK226T225									
3-POLE														
TFK	600	125	TFK236F000	220.00	TFK236T125	85.00	TCAL 24 (Load End) TCAL 26 (Line End)	3.00	TF225F or S	22.00	TF225J	47.00	TNI225	20.50
		150			TFK236T150									
		200			TFK236T200									
		225			TFK236T225									
2-POLE														
TJK	600	250	TJK426F000	297.00	TJK436T250	92.00	TCAL 43	3.00	TJ400F or S	31.00	TJ400J	84.00	TNI400	24.00
		300			TJK436T300									
		400			TJK436T400									
3-POLE														
TJK	600	250	TJK436F000	376.00	TJK436T250	92.00	TCAL 43	3.00	TJ400F or S	31.00	TJ400J	84.00	TNI400	24.00
		300			TJK436T300									
		400			TJK436T400									
2-POLE														
TJK	600	300	TJK626F000	350.00	TJK636T300	248.00	TCAL 43	3.00	TJ600F or S	55.00	TJ600J	157.00	TNI600	28.00
		400			TJK636T400		TCAL 43	3.00						
		500			TJK636T500		TCAL 43	3.00						
		600			TJK636T600		TCAL 63	8.00						
3-POLE														
TJK	600	300	TJK636F000	504.00	TJK636T300	248.00	TCAL 43	3.00	TJ600F or S	55.00	TJ600J	157.00	TNI600	28.00
		400			TJK636T400		TCAL 43	3.00						
		500			TJK636T500		TCAL 63	8.00						
		600			TJK636T600		TCAL 63	8.00						
2-POLE														
TKM	600	600	TKM826F000	348.00	TKMA836T600	250.00	TCAL 61	8.00	TK1200F or S	55.00	TK1200J	157.00	TNI600	28.00
		800	TKM826F000	348.00	TKMA836T800	479.00	TCAL 81	12.00					TNI800	30.00
		1000	TKM2F	596.00	TKMA3T1000	491.00	TCAL 81	12.00					TNI1200	54.50
		1200	TKM2F	596.00	TKMA3T1200	912.00	TCAL 121	18.00					TNI1200	54.50
3-POLE														
TKM	600	600	TKM836F000	502.00	TKMA836T600	250.00	TCAL 61	8.00	TK1200F or S	55.00	TK1200J	157.00	TNI600	28.00
		800	TKM836F000	502.00	TKMA836T800	479.00	TCAL 81	12.00					TNI800	30.00
		1000	TKM3F	748.00	TKMA3T1000	491.00	TCAL 81	12.00					TNI1200	54.50
		1200	TKM3F	748.00	TKMA3T1200	912.00	TCAL 121	18.00					TNI1200	54.50

SQUARE D QO LOAD CENTERS
FOR USE WITH PLUG-IN QO CIRCUIT BREAKERS OR QF FUSIBLE UNITS OR BOTH

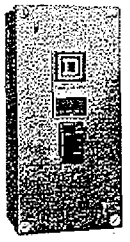
ORDER BRANCH QO BREAKERS SEPARATELY



QO6-12S

MAIN LUGS ONLY — 1 PHASE, 3 WIRE — NO DOOR

Mains Rating Amperes	Max. Number Single Poles: Spaces	Max. Number Single Poles: Max. No. Poles	Type Enclosure	Description	Use With ●	Box, Interior and Cover: Cat. No.	Box, Interior and Cover: Each	Ground Bar Kit (Order Separately): Cat. No.	Ground Bar Kit (Order Separately): Each
40	2	2	Surface Flush Raintight	General Purpose General Purpose 2½" Max. Hub	QO QO QO/QF	QO2S QO2F QO2RB	$ 4.60 5.60 12.30▲	PK3GTA-1 PK3GTA-1 PK3GTA-1	$1.10 1.10 1.10
70	2	4	Surface Flush Raintight	General Purpose General Purpose 2½" Max. Hub	QO QO QO/QF	QO2-4AS QO2-4AF QO2-4ARB	7.20 7.20 13.90▲	PK4GTA PK4GTA PK4GTA	1.20 1.20 1.20
100	6	12	Surface Flush Raintight	General Purpose General Purpose 2½" Max. Hub	QO QO QO/QF	QO6-12S QO6-12F QO6-12RB	8.40 8.40 15.60▲	PK7GTA PK7GTA PK9GTA	1.30 1.30 1.40
125	8	16	Surface Flush Raintight	General Purpose General Purpose 2½" Max. Hub	QO QO QO/QF	QO8-16S QO8-16F QO8-16RB	14.10 14.10 25.10▲	PK9GTA-1 PK9GTA-1 PK9GTA-1	1.40 1.40 1.40

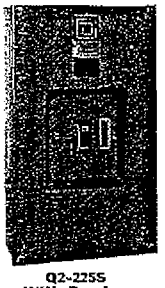


QOZ100S

For use as a separate service entrance main breaker or for circuit disconnect and protection on 120/240 V. ac single phase or 240 V. ac three phase systems. U/L listed for Service Entrance Equipment. No door.

ENCLOSED BREAKERS

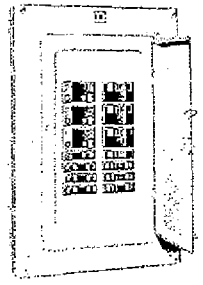
System	Ampere Rating	General Purpose✻: Complete Unit	General Purpose✻: Each	General Purpose✻: Enclosure Only	General Purpose✻: Each	Raintight▲: Complete Unit	Raintight▲: Each	Raintight▲: Enclosure Only	Raintight▲: Each	Breaker Only: Catalog Number	Breaker Only: Each
Two Pole with neutral 240 V. AC	70	QO2100-70F/S	$30.30	.....	.....	QO2100-70RB	$37.40	.....	.....	.....	.....
	100	QO2100F/S	30.30	.....	.....	QO2100RB	37.40	.....	.....	.....	.....
	125	.....	.....	Q2-225F/S	$23.30	.....	.....	Q2-225RB	$46.60	Q2L2125	$51.00
	150	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225RB	46.60	Q2L2150	51.00
	175	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225RB	46.60	Q2L2175	51.00
	200	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225RB	46.60	Q2L2200	51.00
	225	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225RB	46.60	Q2L2225	51.00
Three Pole with neutral 240 V. AC	70	QO3100-70F/S	57.10	.....	.....	QO3100-70RB	65.30	.....	.....	.....	.....
	100	QO3100F/S	57.10	.....	.....	QO3100RB	65.30	.....	.....	.....	.....
	125	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225RB	46.60	Q2L3125	138.00
	150	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225RB	46.60	Q2L3150	138.00
	175	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225R	46.60	Q2L3175	138.00
	200	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225R	46.60	Q2L3200	138.00
	225	.....	.....	Q2-225F/S	23.30	.....	.....	Q2-225R	46.60	Q2L3225	138.00



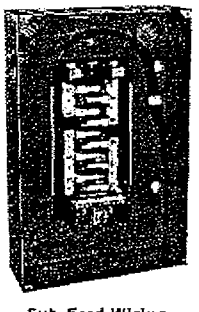
Q2-225S With Breaker Installed

SPLIT BUS — PARALLEL MAINS — WITH DOOR

Mains Rating Amperes	Main Section 2 Pole Spaces: Lighting Main	Main Section 2 Pole Spaces: Branch	Lighting Section: 1 Pole Spaces	Lighting Section: Max. No. Poles	▲ Type Enclosure	● Use With	Box, Interior and Cover✻ with Door: Catalog Number	Box, Interior and Cover✻ with Door: Each	Ground Bar Kit (Order Separately): Catalog Number	Ground Bar Kit (Order Separately): Each
125	1	1	4	8	Indoor Raintight	QO/QF	QO2X4-8F/S QO2X4-8RB	$16.00 30.00	PK9GTA	$1.40
125	1	2	6	12	Indoor Raintight	QO/QF	QO3X6-12F/S QO3X6-12RB	24.00 38.00	PK12GTA	1.60
125	1	3	6	12	Indoor Raintight	QO/QF	QO4X6-12F/S QO4X6-12RB	25.20 38.80	PK12GTA	1.60
125	1	3	8	14	Indoor Raintight	QO/QF	QO4X8-14F/S QO4X8-14RB	27.70 40.80	PK12GTA	1.60
125	1	3	12	12	Indoor Raintight	QO	QO20-412F/S QO20-412RB	27.70 41.90	PK9GTA	1.40
125	1	5	8	14	Indoor Raintight	QO/QF	QO6X8-14F/S QO6X8-14RB	37.70 51.50	PK12GTA	1.60
125	1	5	14	14	Indoor Raintight	QO	QO26-614F/S QO26-614RB	40.60 51.00	PK12GTA	1.60
150	1	2	6	12	Indoor Raintight	QO/QF	QO3X6-12HF/S QO3X6-12HRB	31.00 45.00	PK12GTA	1.60
150	1	3	6	12	Indoor Raintight	QO/QF	QO4X6-12HF/S QO4X6-12HRB	35.00 49.00	PK12GTA	1.60
150	1	3	8	14	Indoor Raintight	QO/QF	QO4X8-14HF/S QO4X8-14HRB	39.00 53.00	PK12GTA	1.60
150	1	5	8	14	Indoor Raintight	QO	QO6X8-14HF/S QO6X8-14HRB	44.10 59.30	PK12GTA	1.60
150	2	4	12	22	Indoor Raintight	QO	QO6X12-22F/S QO6X12-22RB	49.00 64.30	PK18GTA	2.00
150	1	5	14	14	Indoor Raintight	QO	QO26-614HF/S QO26-614HRB	47.00 60.50	PK12GTA	1.60
150	2	4	18	26	Indoor Raintight	QO	QO6X18-26F/S QO6X18-26RB	60.00 75.30	PK18GTA	2.00
200	‡2	...	24	40	Indoor	QO	QO2X24-40F/S	92.40	PK23GTA	2.20
200	‡2	...	40	40	Indoor	QO	QO2X40F/S	124.40	PK23GTA	2.20
200	†1	4	10	20	Indoor Raintight	QO/QF	QO5X10-20F/S QO5X10-20RB	58.20 74.50	PK15GTA	1.80
200	1	5	8	14	Indoor Raintight	QO	QO6X8-14HAF/S QO6X8-14HARB	54.00 70.30	PK12GTA	1.60
200	2	4	12	22	Indoor Raintight	QO	QO6X12-22AF/S QO6X12-22ARB	55.00 71.30	PK18GTA	2.00
200	1	5	14	14	Indoor Raintight	QO	QO26-614HAF/S QO26-614HARB	53.80 67.40	PK12GTA	1.60
200	2	4	18	26	Indoor Raintight	QO	QO5X18-26AF/S QO6X18-26ARB	67.00 83.30	PK18GTA	2.00
200	3	3	30	30	Indoor	QO	QO6X30F/S	84.00	PK23GTA	2.20



Q06x8-14S



Sub-Feed Wiring on Split Bus QO Load Centers

▲Type RB Raintight device has a Bolt-On Closing Cap installed.
‡Two Q1-2100 Main Disconnect Breakers Factory Installed. †Includes 100 Amp. Lighting Main Factory installed.
✻Cover included with Device. Use F (Flush) or S (Surface) Suffix.
●QO Breakers can be used in all QO Load Centers. QF Fusible Units can be used only in devices marked QO/QF.

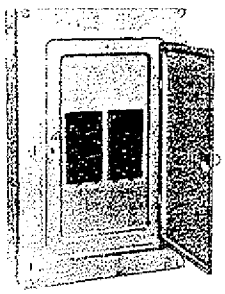
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D QO LOAD CENTERS
FOR USE WITH QO CIRCUIT BREAKERS OR QF FUSIBLE UNITS OR BOTH

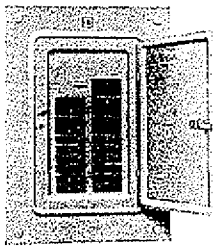
Mains Rating Amps.	Spaces	Max. No. Single Poles	Type of Enclosure	Use With ●	BASIC DEVICE — BOX AND INTERIOR ONLY Cat. No.	Each	COVER WITH DOOR (ORDER SEPARATELY) Flush	Surface	Each	GROUND BAR KIT (ORDER SEPARATELY) Cat. No.	Each
1 PHASE — 3 WIRE LUGS ONLY†											
100	6	12	Indoor Raintight	QO/QF	QO6-12DF or S‡ QO6-12RB	$ 10.00 15.60▲	Included with Basic Device			PK7GTA	$1.30
125	8	16	Indoor Raintight	QO/QF	QO8-16DF or S‡ QO8-16RB	15.70 25.10▲	Included with Basic Device			PK9GTA-1	1.40
125	12	12	Indoor Raintight	QO	QO12 QO12RB	12.90 27.00▲	QOC12F	QOC12S	3.50	PK9GTA	1.40
125	12	24	Indoor Raintight	QO/QF	QO12-24 QO12-24RB	20.50 38.00▲	QOC12F	QOC12S	3.50	PK15GTA	1.80
150	12	24	Indoor Raintight	QO/QF	QO12-24H QO12-24HRB	26.50 45.00▲	QOC12HF	QOC12HS	4.50	PK15GTA	1.80
200	12	12	Indoor Raintight	QO/QF	QO12-24HA QO12-24HARB	33.50 52.00▲	QOC12HF	QOC12HS	4.50	PK15GTA	1.80
125	16	16	Indoor Raintight	QO	QO16 QO16RB	18.90 37.50▲	QOC16F	QOC16S	4.50	PK12GTA	1.60
125	16	24	Indoor Raintight	QO/QF	QO16-24 QO16-24RB	27.50 45.00▲	QOC16F	QOC16S	4.50	PK15GTA	1.80
150	16	30	Indoor Raintight	QO/QF	QO16-30H QO16-30HRB	30.00 55.30▲	QOC20HF	QOC20HS	9.00	PK18GTA	2.00
125	20	20	Indoor Raintight	QO	QO20 QO20RB	26.70 46.40▲	QOC20F	QOC20S	4.50	PK12GTA	1.60
125	20	24	Indoor Raintight	QO/QF	QO20-24 QO20-24RB	35.50 54.00▲	QOC20F	QOC20S	4.50	PK15GTA	1.80
150	20	30	Indoor Raintight	QO/QF	QO20-30H QO20-30HRB	34.50 59.80▲	QOC20HF	QOC20HS	9.00	PK18GTA	2.00
200	20	40	Indoor Raintight	QO/QF	QO20-40HA QO20-40HARB	45.00 70.30▲	QOC20HF	QOC20HS	9.00	PK23GTA	2.20
150	30	30	Indoor Raintight	QO	QO30H QO30HRB	38.00 64.50▲	QOC30F	QOC30S	9.00	PK18GTA	2.00
200	30	30	Indoor Raintight	QO	QO30HA QO30HARB	45.00 71.50▲	QOC30F	QOC30S	9.00	PK18GTA	2.00
200	30	40	Indoor Raintight	QO	QO30-40 QO30-40RB	51.00 76.30▲	QOC30F	QOC30S	9.00	PK23GTA	2.20
225	42	42	Indoor Raintight	QO	QO42 QO42RB	72.20 107.70	QOC42F	QOC42S	11.00	PK23GTA	2.20
3 PHASE — 4 WIRE LUGS ONLY											
125	12	24	Indoor Raintight	QO	QO412-24 QO412-24RB	34.50 52.80▲	QOC12F	QOC12S	3.50	PK15GTA	1.80
200	12	24	Indoor Raintight	QO	QO412-24HA QO412-24HARB	47.50 66.00▲	QOC12HF	QOC12HS	4.50	PK15GTA	1.80
125	20	30	Indoor Raintight	QO	QO420-30 QO420-30RB	49.50 68.80▲	QOC20F	QOC20S	4.50	PK18GTA	2.00
200	30	40	Indoor Raintight	QO	QO430-40 QO430-40RB	65.00 90.30▲	QOC30F	QOC30S	9.00	PK23GTA	2.20
200	42	42	Indoor	QO	QO442	87.00	QOC42F	QOC42S	11.00	PK23GTA	2.20
1 PHASE — 3 WIRE MAIN DISCONNECT — MAIN CIRCUIT BREAKER INCLUDED											
100A. Breaker	8	16	Indoor Raintight	QO/QF	QO8-16M QO8-16MRB	35.60 53.80▲	QOC8MF	QOC8MS	3.50	PK9GTA	1.40
100A. Breaker	12	12	Indoor Raintight	QO	QO12M QO12MRB	33.70 52.10▲	QOC20MF	QOC20MS	4.50	PK9GTA	1.40
100A. Breaker	12	20	Indoor Raintight	QO/QF	QO12-20M QO12-20MRB	42.50 60.90▲	QOC16MF	QOC16MS	4.50	PK12GTA	1.60
100A. Breaker	14	20	Indoor Raintight	QO/QF	QO14-20M QO14-20MRB	43.70 62.20▲	QOC16MF	QOC16MS	4.50	PK12GTA	1.60
100A. Breaker	16	16	Indoor Raintight	QO	QO16M QO16MRB	39.00 57.50▲	QOC20MF	QOC20MS	4.50	PK12GTA	1.60
100A. Breaker	16	20	Indoor Raintight	QO/QF	QO16-20M QO16-20MRB	44.80 63.40▲	QOC16MF	QOC16MS	4.50	PK12GTA	1.60
125A. Breaker	16	24	Indoor Raintight	QO/QF	QO16-24MG125 QO16-24MG125RB	74.60 101.00▲	QOC20MG225F	QOC20MG225S	11.00	PK19GTA	2.10
150A. Breaker	16	30	Indoor Raintight	QO/QF	QO16-30MG150 QO16-30MG150RB	74.60 101.00▲	QOC20MG225F	QOC20MG225S	11.00	PK19GTA	2.10
200A. Breaker	16	32	Indoor Raintight	QO/QF	QO16-32MG200 QO16-32MG200RB	74.60 101.00▲	QOC20MG225F	QOC20MG225S	11.00	PK19GTA	2.10
100A. Breaker	20	20	Indoor Raintight	QO	QO20M QO20MRB	47.20 65.70▲	QOC20MF	QOC20MS	4.50	PK12GTA	1.60
125A.† Breaker	20	24	Indoor Raintight	QO/QF	QO20-24MG125 QO20-24MG125RB	82.50 108.90▲	QOC20MG225F	QOC20MG225S	11.00	PK15GTA	1.80
150A.† Breaker	20	30	Indoor Raintight	QO/QF	QO20-30MG150 QO20-30MG150RB	82.50 108.90▲	QOC20MG225F	QOC20MG225S	11.00	PK18GTA	2.00
200A.† Breaker	20	40	Indoor Raintight	QO/QF	QO20-40MG200 QO20-40MG200RB	82.50 108.90▲	QOC20MG225F	QOC20MG225S	11.00	PK23GTA	2.20
225A.† Breaker	20	40	Indoor Raintight	QO/QF	QO20-40MG225 QO20-40MG225RB	82.50 108.90▲	QOC20MG225F	QOC20MG225S	11.00	PK23GTA	2.20
150A.† Breaker	30	30	Indoor Raintight	QO	QO30MG150 QO30MG150RB	90.20 127.60▲	QOC30MG225F	QOC30MG225S	11.00	PK18GTA	2.00
200A.† Breaker	30	30	Indoor Raintight	QO	QO30MG200 QO30MG200RB	93.50 130.90▲	QOC30MG225F	QOC30MG225S	11.00	PK18GTA	2.00
200A.† Breaker	30	40	Indoor Raintight	QO	QO30-40MG200 QO30-40MG200RB	102.30 137.80▲	QOC30MG225F	QOC30MG225S	11.00	PK23GTA	2.20
225A.† Breaker	30	40	Indoor Raintight	QO	QO30-40MG225 QO30-40MG225RB	102.30 137.80▲	QOC30MG225F	QOC30MG225S	11.00	PK23GTA	2.20
200A.† Breaker	40	40	Indoor Raintight	QO	QO40MG200 QO40MG200RB	122.10 157.60▲	QOC40MG225F	QOC40MG225S	11.00	PK23GTA	2.20
225A.† Breaker	40	40	Indoor Raintight	QO	QO40MG225 QO40MG225RB	122.10 157.60▲	QOC40MG225F	QOC40MG225S	11.00	PK23GTA	2.20
3 PHASE — 4 WIRE MAIN DISCONNECT — MAIN CIRCUIT BREAKER INCLUDED											
125A. Breaker	30	36	Indoor Raintight	QO	QO430-36MG125 QO430-36MG125RB	206.50 242.00▲	QOC30MG225F	QOC30MG225S	11.00	PK23GTA	2.20
150A. Breaker	30	36	Indoor Raintight	QO	QO430-36MG150 QO430-36MG150RB	206.50 242.00▲	QOC30MG225F	QOC30MG225S	11.00	PK23GTA	2.20
200A. Breaker	30	36	Indoor Raintight	QO	QO430-36MG200 QO430-36MG200RB	206.50 242.00▲	QOC30MG225F	QOC30MG225S	11.00	PK23GTA	2.20
150A. Breaker	40	40	Indoor Raintight	QO	QO440MG150 QO440MG150RB	226.30 261.80▲	QOC40MG225F	QOC40MG225S	11.00	PK23GTA	2.20
200A. Breaker	40	40	Indoor Raintight	QO	QO440MG200 QO440MG200RB	226.30 261.80▲	QOC40MG225F	QOC40MG225S	11.00	PK23GTA	2.20

†Approved for 3 φ grounded "B" systems. ▲Type RB Raintight device has a bolt-on closing cap installed. ‡Order F for Flush, S for Surface.

ORDER BRANCH QO OR QF UNITS SEPARATELY



QO12
Assembled Device



QO20M
Assembled Device



QO40MG200

SQUARE D QO LOAD CENTERS

FOR USE WITH PLUG-IN QO CIRCUIT BREAKERS OR QF FUSIBLE UNITS OR BOTH

RISER PANEL — EXTENDED SIDE GUTTER — 1 PHASE, 3 WIRE

Mains Rating Amps.	Spaces	Max. No. Single Poles	Use With ●	BOX ONLY		INTERIOR ONLY		FLUSH COVER WITH DOOR		GROUND BAR KIT	
				Cat. No.	Each	Cat. No.	Each	Cat. No.	Each	Cat. No.	Each
100	6	12	QO/QF	QOB6WG	$ 8.00	QON6-12WG	$ 8.00	QOC6WGF	$ 8.00	PK9GTA	$1.40
125	8	16		QOB12WG	10.00	QON8-16WG	10.00	QOC12WGF	10.00	PK15GTA	1.80
	12	24				QON12-24WG	18.00				

●QO Breakers can be used in all QO Load Centers. QF units can be used only in devices marked QO/QF.

TO SELECT PROPER DEVICE:

1. Determine required number of single and two-pole units and total number of spaces required.
2. Select device with required mains rating having sufficient number of spaces for branch circuits.
3. Order basic device catalog number and cover when listed separately.
4. Order required QO Circuit Breakers or QF Fusible Units.

QO CIRCUIT BREAKERS — PLUG-IN TYPES QO, QOT AND Q1

Ampere Rating	SINGLE POLE		TWO POLE — COMMON TRIP				THREE POLE — COMMON TRIP			
	TYPE QOT Two Single Poles 120/240 V. AC; TYPE QO One Single Pole 120/240 V. AC		TYPE QO 120/240 V. AC		TYPE Q1 240 V. AC		TYPE QO 240 V. AC		TYPE Q1 240 V. AC	
	1 Space Required		2 Spaces Required		4 Spaces Required		3 Spaces Required		6 Spaces Required	
	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
15 & 15	QOT1515	$ 7.00	.....	.....	.....	.....	.....	.....	.....	.....
15 & 20	QOT1520	7.00	.....	.....	.....	.....	.....	.....	.....	.....
20 & 20	QOT2020	7.00	.....	.....	.....	.....	.....	.....	.....	.....
30 & 30	QOT3030	7.00	.....	.....	.....	.....	.....	.....	.....	.....
15	QO115	3.50	QO215	$ 8.10	.....	.....	QO315	$28.00	.....	.....
20	QO120	3.50	QO220	8.10	.....	.....	QO320	28.00	.....	.....
30	QO130	3.50	QO230	8.10	.....	.....	QO330	28.00	.....	.....
40	QO140	3.50	QO240	8.10	.....	.....	QO340	28.00	.....	.....
50	QO150	3.50	QO250	8.10	.....	.....	QO350	28.00	.....	.....
60	.....	.....	QO260	8.10	.....	.....	QO360	28.00	.....	.....
70	.....	.....	QO270	16.40	Q1-270	$22.20	.....	.....	Q1-370	$41.00
90	.....	.....	.....	.....	Q1-290	22.20	.....	.....	Q1-390	41.00
100	.....	.....	.....	.....	Q1-2100	22.20	.....	.....	Q1-3100	41.00

QF FUSIBLE UNITS (Use Type SC Fuses)

Ampere Rating	SINGLE POLE — 120 V. AC		TWO POLE — 240 V. AC			
	TYPE QFT Two Single Poles		TYPE QFT Two Two-Poles		TYPE QF One Two Pole	
	1 Space Required		2 Spaces Required		2 Spaces Required	
	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
15 & 15	QFT1515	$4.20	QFT21515	$11.20	.....	....
15 & 20	QFT1520	4.20	QFT21520	11.20	.....	....
20 & 20	QFT2020	4.20	QFT22020	11.20	.....	....
30 & 30	.....	....	.....	....	.....	....
30	.....	....	.....	....	QF230	$5.60
60	.....	....	.....	....	QF260	5.60

QF REPLACEMENT PULLOUT HEADS ONLY

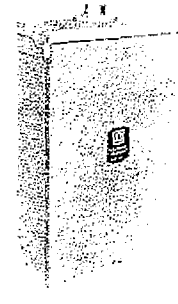
Amp. Rating	1 Pole QFT	
	Cat. No.	Price
15	QFH115T	$ .80
20	QFH120T	.80
30	QFH130T	.80
60	.....	....
Amp. Rating	**2 Pole QFT**	
	Cat. No.	Price
15	QFH215T	$1.50
20	QFH220T	1.50
30	QFH230T	1.50
.....	.....	....
Amp. Rating	**2 Pole QF**	
	Cat. No.	Price
.....	.....	....
.....	.....	....
30	QFH230	$1.50
60	QFH260	1.50

ACCESSORIES

Description	Cat. No.	Price
Handles Ties. Convert any two adjacent single pole QO or QOT poles to independent trip two pole	Q01HT	$ .30
Closure Plate (S.P.). Fills opening in cover if twist-out is removed in error or if breaker is eliminated	Q01CP	.60
Filler Plate. Fills opening in blanked out type QO covers.	Q01FP	.80
Handle Lock-Off. Clip for fixing QO single pole handle in "on" or "off" position	Q01LO	.40
Handle Lock-Off for QO-QOT, Q1. Clip for fixing 1, 2 & 3 pole breaker handles in "on" or "off" position	HLO-1	1.00
Flush Lock. For converting spring catch in most QO load center doors to lock type	PK2FL	$8.30
Sealing Ear for QO Covers. Provides means of sealing trim screws	Q01SE	.30
Handle Padlock Attachment. For padlocking one pole QO breakers in "off" position	Q01PA	1.10
QO & Q1 Padlock Attachment. For 2 and 3 pole breakers which require padlocking in either "on" or "off" position — Loose Attachment	Q01HPL	1.10
— Fixed Attachment	Q01PL	1.10

RAINTIGHT BOLT-ON HUBS

Square D raintight enclosures with suffix RB have an extruded opening on the top endwall covered with a bolt-on closing cap factory installed. For applications requiring a raintight hub, this opening allows the use of a bolt-on hub of ¾", 1", 1¼", 1½", 2" or 2½". Hub mounting holes are elongated to allow adjustment to the conduit location.



Description	Cat. No.	Price
Closing Cap	B-CAP	Included
Bolt-on hub ¾"	B-075	$3.50
Bolt-on hub 1"	B-100	3.50
Bolt-on hub 1¼"	B-125	3.50
Bolt-on hub 1½"	B-150	3.50
Bolt-on hub 2"	B-200	6.10
Bolt-on hub 2½"	B-250	10.60

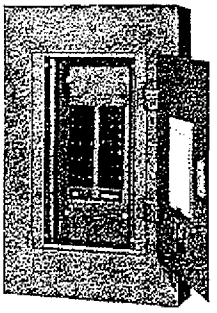
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D NQO CIRCUIT BREAKER PANELBOARDS

UNASSEMBLED TYPE

1-PHASE 3-WIRE OR 3-PHASE 4-WIRE AC ONLY MAIN LUGS OR MAIN BREAKER
1, 2 OR 3-POLE PLUG-ON TYPE THERMAL-MAGNETIC BRANCHES

ORDER BRANCH QO BREAKERS SEPARATELY



‡ORDERING INFORMATION

1. Select Basic Device from column II to accommodate total number of 1 pole ckts. and spaces required. Main lugs or main breaker.
2. Select Flush or Surface front.
3. Select proper plug-on breakers to give circuits desired.

‡In 225A. MAIN MAXIMUM PANELBOARDS: single, double, and three pole QO circuit breakers require one, two, and three pole spaces, respectively. Two and three pole Q1 circuit breakers require four and six pole spaces respectively. In 400A MAIN PANELBOARDS: one, two and three pole, QO and Q1 circuit breakers require one, two, and three pole spaces respectively.

Branches: Single Pole, 120V., two pole, 120/240V. or 240V. and 3 pole, 240V. circuit breakers. 15 through 100 amperes.

Boxes: Galv. Steel W K.O., 225A. mains max. 14" wide, 4" deep. Main Brkr. Boxes 5¾" deep. 400A. Mains 20" wide, 5¾" deep.

Fronts: MONO-FLAT® with door and flush lock, gray baked enamel finish, concealed hinges and concealed trim clamps.

BRANCH CIRCUIT BREAKERS

PLUG-ON TYPE QO AND Q1 — CIRCUIT BREAKER

Amp. Rating	Single Pole 120 V. AC		Two Pole — Common Trip 120/240 V. AC		Two Pole — Common Trip 240 V. AC		Three Pole — Common Trip 240 V. AC	
	Cat. No.	Price Each	Cat. No.	Price Each	Cat. No.	Price Each	Cat. No.	Price Each
15	QO-115	$3.50	QO-215	$ 8.10	*QO-215H	$16.90	QO-315	$28.00
20	QO-120	3.50	QO-220	8.10	*QO-220H	16.90	QO-320	28.00
30	QO-130	3.50	QO-230	8.10	*QO-230H	16.90	QO-330	28.00
40	QO-140	3.50	QO-240	8.10	QO-240H	16.90	QO-340	28.00
50	QO-150	3.50	QO-250	8.10	QO-250H	16.90	QO-350	28.00
60	.....	....	QO-260	8.10	*Q1-260	16.90	QO-360	28.00
70	.....	....	QO-270	16.40	*Q1-270	22.20	Q1-370	41.00
90	.....	....	.....	.....	*Q1-290	22.20	Q1-390	41.00
100	.....	....	.....	.....	*Q1-2100	22.20	Q1-3100	41.00

*15, 20 and 30 ampere, two pole, 240 volt, QO breakers and 40, 50, 60, 70, 90, and 100 ampere, two pole Q1 are approved for use on 3 phase, Grounded "B" phase systems.

CIRCUIT BREAKER PRICE TABLE

No. of Breakers	QO			Q1	
	1 Pole	2 Pole	3 Pole	2 Pole	3 Pole
	120 V.	▲120/240 V.	240 V.	240 V.	240 V.
	15-50 A.	15-60 A.	15-50 A.	70-100 A.	70-100 A.
1	$ 3.50	$ 8.10	$ 28.00	$ 22.20	$ 41.00
2	7.00	16.20	56.00	44.40	82.00
3	10.50	24.30	84.00	66.60	123.00
4	14.00	32.40	112.00	88.80	164.00
5	17.50	40.50	140.00	111.00	205.00
6	21.00	48.60	168.00	133.20	246.00
7	24.50	56.70	196.00	155.40	287.00
8	28.00	64.80	224.00	177.60	328.00
9	31.50	72.90	252.00	199.80	369.00
10	35.00	81.00	280.00	222.00	410.00
11	38.50	89.10	308.00	244.20	451.00
12	42.00	97.20	336.00	266.40	492.00
13	45.50	105.30	364.00	288.60	533.00
14	49.00	113.40	392.00	310.80	574.00
15	52.50	121.50	.....	333.00	.....
16	56.00	129.60	.....	355.20	.....
17	59.50	137.70	.....	377.40	.....
18	63.00	145.80	.....	399.60	.....
19	66.50	153.90	.....	421.80	.....
20	70.00	162.00	.....	444.00	.....
21	73.50	170.10	.....	466.20	.....

▲Prices shown do not apply to QO, 70 ampere, 2 pole, 120/240 V. and QO, 15-50 ampere, 2 pole, 240 V., branch breakers.

BASIC DEVICES AND FRONTS

Max. No. of Poles	Amp. Cap. of Mains	Complete Price Each Less Breakers	Basic Device Only (Less Breakers)		Front Only		Box Height Inches
			Catalog Number	Price Each	Catalog Number	Price Each	
STANDARD WIDTH							
1-PHASE, 3-WIRE							
MAINS: LUGS ONLY							
12	100	$ 99.	NQO-20-123	$ 67.	NQC-20TF or S	$32.	20½
20	100	118.	NQO-24-203-1	84.	NQC-24TF or S	34.	24¼
20	225	124.	NQO-24-203-2	90.	NQC-24TF or S	34.	24¼
30	225	143.	NQO-28-303	101.	NQC-28TF or S	42.	28
42	225	166.	NQO-32-423	122.	NQC-32TF or S	44.	32½
*54	225	189.	NQO-37-543	139.	NQC-37TF or S	50.	37¼
30	400	205.	NQO-38-303-4	149.	MQC-38TF or S	56.	38
42	400	227.	NQO-41-423-4	167.	MQC-41TF or S	60.	41
MAINS: CIRCUIT BREAKER — 2-POLE							
12	100	$166.	NQO-24-123M	$132.	NQC-24TF or S	$34.	24¼
20	100	185.	NQO-28-203M	143.	NQC-28TF or S	42.	28
30	225	391.	NQO-37-303M	341.	NQC-37TF or S	50.	37¼
42	225	413.	NQO-42-423M	361.	NQC-42TF or S	52.	42¼
*54	225	437.	NQO-48-543M	381.	NQC-48TF or S	56.	48¼
30	400	631.	NQO-50-303-4M	565.	MQC-50TF or S	68.	50
42	400	663.	NQO-53-423-4M	680.	MQC-53TF or S	73.	53
3-PHASE, 4-WIRE							
MAINS: LUGS ONLY							
12	100	$112.	NQO-20-124	$ 80.	NQC-20TF or S	$32.	20½
20	100	131.	NQO-24-204	97.	NQC-24TF or S	34.	24¼
30	100	150.	NQO-28-304-1	108.	NQC-28TF or S	42.	28
30	225	159.	NQO-28-304-2	117.	NQC-28TF or S	42.	28
42	225	182.	NQO-32-424	138.	NQC-32TF or S	44.	32½
*54	225	295.	NQO-37-544	155.	NQC-37TF or S	50.	37¼
30	400	226.	NQO-38-304-4	179.	MQC-38TF or S	56.	38
42	400	249.	NQO-41-424-4	189.	MQC-41TF or S	60.	41
MAINS: CIRCUIT BREAKER — 3-POLE							
12	50	$173.	NQO-24-124M	$139.	NQC-24TF or S	$34.	24¼
20	100	219.	NQO-28-204M	177.	NQC-28TF or S	42.	28
30	100	238.	NQO-32-304M	194.	NQC-32TF or S	44.	32¼
42	225	489.	NQO-42-424M	437.	NQC-42TF or S	52.	42¼
*54	225	512.	NQO-48-544M	456.	NQC-48TF or S	55.	48¼
30	400	732.	NQO-50-304-4M	666.	MQC-50TF or S	66.	50
42	400	755.	NQO-53-424-4M	682.	MQC-53TF or S	73.	53

*Refer to 42 Circuit Rule — N. E. C. Para. 384-14 and 384-15.

COLUMN WIDTH							
1-PHASE, 3-WIRE							
MAINS: LUGS ONLY							
14	100	$103.	NQO-826-143	$ 71.	LX-26TF or S	$32.	26½
20	100	118.	NQO-832-203	84.	LX-32TF or S	34.	32½
30	225	143.	NQO-840-303	101.	LX-40TF or S	42.	40
42	225	166.	NQO-849-423	122.	LX-49TF or S	44.	49
MAINS: CIRCUIT BREAKER — 2-POLE							
14	100	$170.	NQO-832-143M	$136.	LX-32TF or S	$34.	32½
20	100	185.	NQO-840-203M	143.	LX-40TF or S	42.	40
3-PHASE, 4-WIRE							
MAINS: LUGS ONLY							
14	100	$116.	NQO-826-144	$ 84.	LX-26TF or S	$32.	26½
20	100	131.	NQO-832-204	97.	LX-32TF or S	34.	32½
30	100	150.	NQO-840-304	108.	LX-40TF or S	42.	40
42	225	182.	NQO-849-424	138.	LX-49TF or S	44.	49
MAINS: CIRCUIT BREAKER — 3-POLE							
14	50	$177.	NQO-832-144M	$143.	LX-32TF or S	$34.	32½
20	100	219.	NQO-840-204M	177.	LX-40TF or S	42.	40
30	100	238.	NQO-845-304M	195.	LX-45TF or S	43.	45

ACCESSORIES

Description	Cat. No.	Price Each
Handle tie	QO-1HT	$ 0.30
Handle lock-off	HLO-1	1.00
Closure plate (single pole)	QO-1CP	0.60
*100 Amp. sub-feed lug kit	QO-100ASF	27.00
*225 Amp. sub-feed lug kit	QO-225ASF	32.00

*For use with Main Lug panelboards only. Sub-feed lugs MUST be same rating as panelboard.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

LINE® SQUARE D CIRCUIT BREAKER DISTRIBUTION PANELBOARDS

UNASSEMBLED TYPE

INTERIORS, BOXES AND FRONTS (Without solid neutral)

Interior Assembly (Less Breakers) — MAXIMUM 1200 A. MAIN LUGS				●MAXIMUM 800 A. MAIN BREAKER				Box Height (Inches)	★Front		Box	
Total Breaker Mounting Space (Inches)	Ampere Rating of Mains	Catalog Number	Price	Total Breaker Mounting Space (Inches)	Ampere Rating of Mains	Catalog Number	Price		Catalog Number	Price	Catalog Number	Price
MAXIMUM 225 AMPERE BRANCH BREAKER — FA, FH, FY, Q2 AND Q2-H											**BOX SIZE 26" WIDE, 5¾" DEEP**	
27	225	HCN-1436-2	$118.00	18	100	HCN-0936-1M	$ 267.00	36	HC-2636-C( )	$ 37.00	HC-2636-B	$ 34.00
27	400	HCN-1436-4	140.00	18	225	HCN-0936-2M	420.00	36	HC-2636-C( )	37.00	HC-2636-B	34.00
27	600	HCN-1436-6	163.00	...	...	.....	.....	36	HC-2636-C( )	37.00	HC-2636-B	34.00
45	225	HCN-2345-2	152.00	27	400	HCN-1445-4M	612.00	45	HC-2645-C( )	43.00	HC-2645-B	41.00
45	400	HCN-2345-4	179.00	36	100	HCN-1845-1M	290.00	45	HC-2645-C( )	43.00	HC-2645-B	41.00
45	600	HCN-2345-6	205.00	36	225	HCN-1845-2M	454.00	45	HC-2645-C( )	43.00	HC-2645-B	41.00
63	225	HCN-3254-2	171.00	45	400	HCN-2354-4M	550.00	54	HC-2654-C( )	61.00	HC-2654-B	51.00
63	400	HCN-3254-4	197.00	54	100	HCN-2754-1M	311.00	54	HC-2654-C( )	61.00	HC-2654-B	51.00
63	600	HCN-3254-6	222.00	54	225	HCN-2754-2M	474.00	54	HC-2654-C( )	61.00	HC-2654-B	51.00
81	225	HCN-4163-2	180.00	63	225	HCN-3263-2M	464.00	63	HC-2663-C( )	70.00	HC-2663-B	57.00
81	400	HCN-4163-4	216.00	63	400	HCN-3263-4M	683.00	63	HC-2663-C( )	70.00	HC-2663-B	57.00
81	600	HCN-4163-6	241.00	...	...	.....	.....	63	HC-2663-C( )	70.00	HC-2663-B	57.00
99	225	HCN-5072-2	234.00	81	400	HCN-4172-4M	701.00	72	HC-2672-C( )	78.00	HC-2672-B	63.00
99	400	HCN-5072-4	267.00	90	100	HCN-4572-1M	386.00	72	HC-2672-C( )	78.00	HC-2672-B	63.00
99	600	HCN-5072-6	289.00	90	225	HCN-4572-2M	536.00	72	HC-2672-C( )	78.00	HC-2672-B	63.00
135	225	HCN-6890-2	287.00	117	400	HCN-5990-4M	753.00	90	HC-2690-C( )	102.00	HC-2690-B	83.00
135	400	HCN-6890-4	313.00	126	100	HCN-6390-1M	425.00	90	HC-2690-C( )	102.00	HC-2690-B	83.00
135	600	HCN-6890-6	340.00	126	225	HCN-6390-2M	589.00	90	HC-2690-C( )	102.00	HC-2690-B	83.00
MAXIMUM 225 AMPERE BRANCH BREAKER — FA, FH, FY, Q2, Q2-H, KA AND KH											**BOX SIZE 32" WIDE, 8" DEEP**	
27	225	HCM-1438-2	$121.00	18	225	HCM-0938-2M	$ 423.00	38	HC-3238-T( )	$ 40.00	HC-3238-B	$ 37.00
27	400	HCM-1438-4	156.00	...	...	.....	.....	38	HC-3238-T( )	40.00	HC-3238-B	37.00
27	600	HCM-1438-6	233.00	...	...	.....	.....	38	HC-3238-T( )	40.00	HC-3238-B	37.00
27	800	HCM-1438-8	287.00	...	...	.....	.....	38	HC-3238-T( )	40.00	HC-3238-B	37.00
45	225	HCM-2347-2	144.00	27	400	HCM-1447-4M	887.00	47	HC-3247-T( )	52.00	HC-3247-B	50.00
45	400	HCM-2347-4	179.00	36	225	HCM-1847-2M	445.00	47	HC-3247-T( )	52.00	HC-3247-B	50.00
45	600	HCM-2347-6	242.00	...	...	.....	.....	47	HC-3247-T( )	52.00	HC-3247-B	50.00
45	800	HCM-2347-8	293.00	...	...	.....	.....	47	HC-3247-T( )	52.00	HC-3247-B	50.00
63	225	HCM-3256-2	183.00	36	600	HCM-1856-6M	1138.00	56	HC-3256-T( )	71.00	HC-3256-B	61.00
63	400	HCM-3256-4	197.00	36	800	HCM-1856-8M	1464.00	56	HC-3256-T( )	71.00	HC-3256-B	61.00
63	600	HCM-3256-6	254.00	45	400	HCM-2356-4M	704.00	56	HC-3256-T( )	71.00	HC-3256-B	61.00
63	800	HCM-3256-8	313.00	54	225	HCM-2756-2M	465.00	56	HC-3256-T( )	71.00	HC-3256-B	61.00
99	225	HCM-5074-2	201.00	72	600	HCM-3674-6M	1151.00	74	HC-3274-T( )	101.00	HC-3274-B	93.00
99	400	HCM-5074-4	234.00	72	800	HCM-3674-8M	1480.00	74	HC-3274-T( )	101.00	HC-3274-B	93.00
99	600	HCM-5074-6	265.00	81	400	HCM-4174-4M	775.00	74	HC-3274-T( )	101.00	HC-3274-B	93.00
99	800	HCM-5074-8	340.00	90	225	HCM-4574-2M	536.00	74	HC-3274-T( )	101.00	HC-3274-B	93.00
135	225	HCM-6992-2	282.00	108	600	HCM-5492-6M	1214.00	92	HC-3292-T( )	127.00	HC-3292-B	119.00
135	400	HCM-6892-4	297.00	108	800	HCM-5492-8M	$566.00	92	HC-3292-T( )	127.00	HC-3292-B	119.00
135	600	HCM-6892-6	329.00	117	400	HCM-5992-4M	807.00	92	HC-3292-T( )	127.00	HC-3292-B	119.00
135	800	HCM-6892-8	415.00	126	225	HCM-6392-2M	564.00	92	HC-3292-T( )	127.00	HC-3292-B	119.00
MAXIMUM 400 AMPERE BRANCH BREAKER — FA, FH, FY, Q2, Q2-H, KA, KH, LA AND LH											**BOX SIZE 41" WIDE, 9¼" DEEP**	
27	400	HCW-1444-4	$156.00	...	...	.....	.....	44	HCS-4144-T( )	$ 61.00	HC-4144-DB	$ 47.00
27	600	HCW-1444-6	233.00	...	...	.....	.....	44	HCS-4144-T( )	61.00	HC-4144-DB	47.00
27	800	HCW-1444-8	337.00	...	...	.....	.....	44	HCS-4144-T( )	61.00	HC-4144-DB	47.00
45	400	HCW-2353-4	193.00	...	...	.....	.....	53	HCS-4153-T( )	68.00	HC-4153-DB	52.00
45	600	HCW-2353-6	259.00	...	...	.....	.....	53	HCS-4153-T( )	68.00	HC-4153-DB	52.00
45	800	HCW-2353-8	361.00	...	...	.....	.....	53	HCS-4153-T( )	68.00	HC-4153-DB	52.00
63	400	HCW-3262-4	221.00	...	...	.....	.....	62	HCS-4162-T( )	82.00	HC-4162-DB	62.00
63	600	HCW-3262-6	290.00	36	600	HCW-1862-6M	$1174.00	62	HCS-4162-T( )	82.00	HC-4162-DB	62.00
63	800	HCW-3262-8	374.00	36	800	HCW-1862-8M	1524.00	62	HCS-4162-T( )	82.00	HC-4162-DB	62.00
99	400	HCW-5080-4	268.00	...	...	.....	.....	80	HCS-4180-T( )	106.00	HC-4180-DB	82.00
99	600	HCW-5080-6	316.00	72	600	HCW-3680-6M	1282.00	80	HCS-4180-T( )	106.00	HC-4180-DB	82.00
99	800	HCW-5080-8	417.00	72	800	HCW-3680-8M	1568.00	80	HCS-4180-T( )	106.00	HC-4180-DB	82.00
MAXIMUM 800 A. BRANCH BREAKER — FA, FH, FY, Q2, Q2-H, KA, KH, LA, LH, MA AND MH											**BOX SIZE 41" WIDE, 9¼" DEEP**	
27	1200	‡HCWM-1444-12N	$524.00	...	...	.....	.....	44	HC-4144-T( )	$ 61.00	HC-4144-DB	$ 47.00
45	1200	‡HCWM-2353-12N	598.00	...	...	.....	.....	53	HC-4153-T( )	68.00	HC-4153-DB	52.00
63	1200	‡HCWM-3262-12N	822.00	...	...	.....	.....	62	HC-4162-T( )	82.00	HC-4162-DB	62.00
99	1200	‡HCWM-5080-12N	854.00	...	...	.....	.....	80	HC-4180-T( )	106.00	HC-4180-DB	82.00

‡1200 A. devices have solid neutral assembly factory mounted.

★Select Front required adding Suffix "F" for flush mounting or "S" for surface mounting.

●Main breakers are vertically mounted, 3 pole.

SOLID NEUTRALS, BLANKS, SUB-FEED LUGS

SOLID NEUTRAL ASSEMBLIES				BLANKS			▲BLANK EXTENSIONS		†SUB-FEED LUGS			
Ampere Capacity	*Catalog Number	♦Catalog Number	Price	Height (Inches)	Catalog Number	Price	Catalog Number	Price	Height (Inches)	Ampere Capacity	Catalog Number	Price
225	HC-2SN	.....	$25.00	1½	HNM-1BL	$2.30	HLW-1BL	$1.30	4½	100	SL-100	$ 38.00
400	HC-4SN	HCW-4SN	33.00	3	HNM-3BL	3.30	HLW-3BL	1.30	4½	225	SL-225	38.00
600	HC-6SN	HCW-6SN	46.00	4½	HNM-4BL	5.20	HLW-4BL	1.30	6	400	SL-400	57.00
800	HC-8SN	HCW-8SN	73.00	...	.....	....	.....	....	9	800	SL-800	151.00

*For use with Type HCN and HCM Interior Assemblies.

♦For use with Type HCW and HCWM Interior Assemblies.

†Sub-feed lug devices plug on bus bars in same manner as branch circuit breaker.

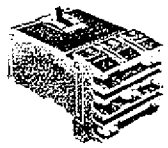
▲For replacement only. Furnished as original equipment with Interior Assembly.

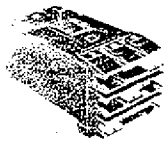
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

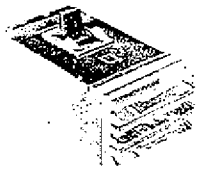
SQUARE D CIRCUIT BREAKER DISTRIBUTION PANELBOARDS

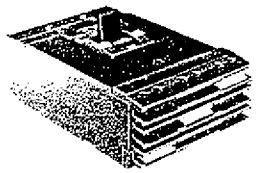

FY, 1-Pole
15-100 Amp.


Q2, 2 and 3-Pole
125-225 Amp.


FA, 1, 2 and 3-Pole
15-100 Amp.


KA, 2 and 3-Pole
125-225 Amp.


LA, 2 and 3-Pole
250-400 Amp.


MA, 2 and 3-Pole
500-800 Amp.

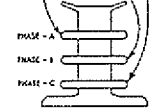
★I-LINE PLUG-ON BRANCH CIRCUIT BREAKERS

★Ampere Rating	1 Pole			2 Pole			3 Pole		
	Height (Inches)	✣Catalog Number	Price	Height (Inches)	✣Catalog Number	Price	Height (Inches)	Catalog Number	Price
FA AND FY 180 AMPERE FRAME 240 VOLT AC									**Mounts Opposite FA, FY, Q2, KA, LA & MA**
15	1½	✻FY-12015-( )	$ 15.00	4½	◐FA-22015-( )	$ 42.00	4½	FA-32015	$ 59.00
20	1½	✻FY-12020-( )	15.00	4½	◐FA-22020-( )	42.00	4½	FA-32020	59.00
30	1½	✻FY-12030-( )	15.00	4½	◐FA-22030-( )	42.00	4½	FA-32030	59.00
40	1½	✻FY-12040-( )	15.00	4½	◐FA-22040-( )	42.00	4½	FA-32040	59.00
50	1½	✻FY-12050-( )	15.00	4½	◐FA-22050-( )	42.00	4½	FA-32050	59.00
60	1½	✻FY-12060-( )	15.00	4½	◐FA-22060-( )	42.00	4½	FA-32060	59.00
70	1½	✻FY-12070-( )	28.00	4½	◐FA-22070-( )	65.00	4½	FA-32070	83.00
90	1½	✻FY-12090-( )	28.00	4½	◐FA-22090-( )	65.00	4½	FA-32090	83.00
100	1½	✻FY-12100-( )	28.00	4½	◐FA-22100-( )	65.00	4½	FA-32100	83.00
FA AND FY 100 AMPERE FRAME 480 VOLT AC									**Mounts Opposite FA, FY, Q2, KA, LA & MA**
15	1½	▲FY-14015-( )	$ 16.00	4½	FA-24015-( )	$ 70.00	4½	FA-34015	$ 88.00
20	1½	▲FY-14020-( )	16.00	4½	FA-24020-( )	70.00	4½	FA-34020	88.00
30	1½	▲FY-14030-( )	16.00	4½	FA-24030-( )	70.00	4½	FA-34030	88.00
40	1½	▲FY-14040-( )	16.00	4½	FA-24040-( )	70.00	4½	FA-34040	88.00
50	1½	▲FY-14050-( )	16.00	4½	FA-24050-( )	70.00	4½	FA-34050	88.00
60	1½	▲FY-14060-( )	16.00	4½	FA-24060-( )	70.00	4½	FA-34060	88.00
70	1½	▲FY-14070-( )	33.00	4½	FA-24070-( )	88.00	4½	FA-34070	106.00
90	1½	▲FY-14090-( )	33.00	4½	FA-24090-( )	88.00	4½	FA-34090	106.00
100	1½	▲FY-14100-( )	33.00	4½	FA-24100-( )	88.00	4½	FA-34100	106.00
FA 100 AMPERE FRAME 600 VOLT AC, 250 VOLT DC									**Mounts Opposite FA, FY, Q2, KA, LA & MA**
15	1½	▲FA-16015-( )	$ 37.00	4½	FA-26015-( )	$ 83.00	4½	FA-36015	$103.00
20	1½	▲FA-16020-( )	37.00	4½	FA-26020-( )	83.00	4½	FA-36020	103.00
30	1½	▲FA-16030-( )	37.00	4½	FA-26030-( )	83.00	4½	FA-36030	103.00
40	1½	▲FA-16040-( )	37.00	4½	FA-26040-( )	83.00	4½	FA-36040	103.00
50	1½	▲FA-16050-( )	37.00	4½	FA-26050-( )	83.00	4½	FA-36050	103.00
60	1½	▲FA-16060-( )	37.00	4½	FA-26060-( )	83.00	4½	FA-36060	103.00
70	1½	▲FA-16070-( )	44.00	4½	FA-26070-( )	101.00	4½	FA-36070	123.00
90	1½	▲FA-16090-( )	44.00	4½	FA-26090-( )	101.00	4½	FA-36090	123.00
100	1½	▲FA-16100-( )	44.00	4½	FA-26100-( )	101.00	4½	FA-36100	123.00
Q2 225 AMPERE FRAME 240 VOLT AC									**Mounts Opposite FA, FY, Q2, KA, LA & MA**
125	...	.....	.....	4½	Q2-22125-( )	$138.00	4½	Q2-32125	$165.00
150	...	.....	.....	4½	Q2-22150-( )	138.00	4½	Q2-32150	165.00
175	...	.....	.....	4½	Q2-22175-( )	138.00	4½	Q2-32175	165.00
200	...	.....	.....	4½	Q2-22200-( )	138.00	4½	Q2-32200	165.00
225	...	.....	.....	4½	Q2-22225-( )	138.00	4½	Q2-32225	165.00
KA 225 AMPERE FRAME 600 VOLT AC, 250 VOLT DC									**Mounts Opposite FA, FY, Q2, KA & LA**
125	...	.....	.....	4½	KA-26125-( )	$226.00	4½	KA-36125	$277.00
150	...	.....	.....	4½	KA-26150-( )	226.00	4½	KA-36150	277.00
175	...	.....	.....	4½	KA-26175-( )	226.00	4½	KA-36175	277.00
200	...	.....	.....	4½	KA-26200-( )	226.00	4½	KA-36200	277.00
225	...	.....	.....	4½	KA-26225-( )	226.00	4½	KA-36225	277.00
LA 400 AMPERE FRAME 800 VOLT AC, 250 VOLT DC									**Mounts Opposite FA, FY, Q2 & KA**
250	...	.....	.....	6	LA-26250-( )	$392.00	6	LA-36250	$480.00
300	...	.....	.....	6	LA-26300-( )	392.00	6	LA-36300	480.00
350	...	.....	.....	6	LA-26350-( )	392.00	6	LA-36350	480.00
400	...	.....	.....	6	LA-26400-( )	392.00	6	LA-36400	480.00
MA 800 AMPERE FRAME 600 VOLT AC, 250 VOLT DC									**Mounts Opposite FA, FY & Q2**
500	...	.....	.....	9	MA-26500-( )	$683.00	9	MA-36500	$843.00
600	...	.....	.....	9	MA-26600-( )	683.00	9	MA-36600	843.00
700	...	.....	.....	9	MA-26700-( )	869.00	9	MA-36700	1099.00
800	...	.....	.....	9	MA-26800-( )	869.00	9	MA-36800	1099.00

▲Rated 277 V. AC. ✻Rated 125 V. AC or DC. ◐Rated 125/250 V. DC or 240 V. AC.

✣1 and 2 Pole Breaker Catalog Numbers are completed by adding the required phase connection letters as a suffix to the circuit breakers listed in the table above. See diagram at right.

Bolt-on branch breakers are available at no additional cost. Add letter B to catalog number prefix (i.e. FYB-) on order. Not available on MA branch breakers.



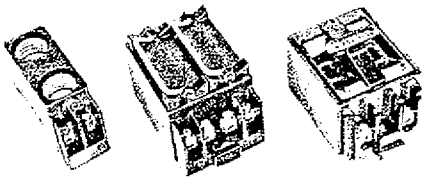
SELECTION OF COMPONENTS

1. List required circuits (ampere rating, voltage and poles.)
2. Select catalog numbers of branch circuit breakers and determine total breaker mounting space. Include mounting space for planned future circuits. NOTE: Branch circuit breakers of different types may be mounted opposite each other.
3. Select interior, box and front catalog numbers (specify flush or surface mounting) based on required breaker space, maximum branch breaker, and mains capacity from Page 67.
4. Select solid neutral, if required, from Page 67. No additional height required.
5. Select blanks to fill unused breaker mounting space from Page 67.
6. KA, KH, LA, LH, MA and MH mount on one side of Type HCWM interior only.

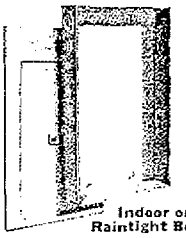
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Square D for applicable discounts.

SQUARE D PLUG-IN FUSIBLE SERVICE EQUIPMENT

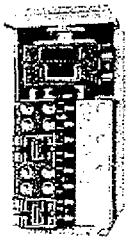
SEPARATELY MERCHANDISED COMPONENTS



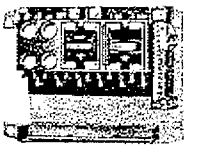
Plug-in Units



Surface or Flush Cover



Indoor or Raintight Boxes



Main Pullout Interiors
Parallel Main Interiors
Lugs Only Interiors

Order box, interior, plug-in units and cover separately. A minimum number of separate interiors with basic factory installed circuits and plug-in spaces provide unlimited flexibility as well as a minimum inventory. Plug-in units are added to fit the job exactly. Future circuits are left blank.

BOX ONLY	INTERIOR ONLY	COVER ONLY (with door)

SINGLE MAIN

Catalog Number	Description	Price Each	Max. No. Mains	Mains Rating	Catalog Number (Circuits Included)	Add'l Space Provided		Price Each	Catalog Numbers		Price Each
						240V Poll.	120V Plugs		Flush	Surface	
FSB4 FSB4RB	Gen. Purpose ▲Raintight	$ 4.10 22.10	1	60A	**FSP4-112** (1-60A Main Pullout) (4-30A Branch Plugs)		8*	$14.20	FSC4F	FSC4S	$ 4.10
FSB8M FSB8MRB	Gen. Purpose ▲Raintight	8.10 33.00	1	100A	**FSP120M** (1-100A Main Pullout) (1-60A Branch Pullout) (8-30A Branch Plugs)		12*	46.90	FSC8MF	FSC8MS	10.90
					FSP320M (1-100A Main Pullout) (1-60A Branch Pullout) (1-30A Branch Pullout) (8-30A Branch Plugs)	1	12*	56.40			
Box Included With Interior			1	200A	**FSP28M** (1-200A Main Pullout)		28*	56.50	FSC28MF	FSC28MS	13.00
					FSP28MRB (1-200A Main Pullout) Raintight		28*	93.30			
					FSP40M (1-200A Main Pullout)		40*	61.30	FSC40MF	FSC40MS	13.00

PARALLEL MAINS

FSB4 FSB4RB	Gen. Purpose ▲Raintigat	$ 4.10 22.10	2	120A	**FSP4-228** (1-60A Lig. Main P.O.) (4-30A Plugs)	1	4	$14.20	FSC4F	FSC4S	$ 4.10
FSB6 FSB6RB FSB6HRB	Gen. Purpose ▲Raintight ▲Raintight	5.40 25.00 25.00	4	125A 150A	**FSP8-408** (1-60A Lig. Main P.O.) (1-60A Main Pullout) (4-30A Plugs) **FSP6-408H**	2	4	29.80 31.20	FSC6F FSC6HF	FSC6S FSC6HS	5.40 5.40
FSB6 FSB6RB FSB6HRB	Gen. Purpose ▲Raintight ▲Raintight	5.40 25.00 25.00	3	125A 150A	**FSP5-312** (1-60A Lig. Main P.O.) (3-30A Plugs) **FSP6-312H**	2	4	29.80 31.20	FSC6F FSC6HF	FSC6S FSC6HS	5.40 5.40
FSB8M FSB8-512RB	Gen. Purpose ▲Raintight	8.10 33.00	5	150A	**FSP8-512H** (1-60A Lig. Main P.O.) (1-60A Main Pullout) (8-30A Plugs)	3	4	34.10	FSC8-512F	FSC8-512S	10.90
FSB8MA	Gen. Purpose	8.10		200A	**FSP8-512A**			43.50	FSC8-512AF	FSC8-512AS	10.90
FSB8MA FSB8-1312RB	Gen. Purpose ▲Raintight	8.10 33.00	3 and 1-100A	200A	**FSP8-1312** (1-60A Lig. Main P.O.) (1-100A Main Pullout) (8-30A Plugs)	2	4	66.20	FSC8-1312F	FSC8-1312S	10.90

▲Type RB Raintight Device has a bolt-on plug cap installed.

*Four plug fuses can be replaced by one 240V plug-in unit FSP230, FSP260.

PLUG-IN FUSE SECTIONS

Description	Catalog Number		Std. Pkg.	Price Each
	30 Amp.	60 Amp.		
120V. Plug Fuse Unit	FSP130	.....	10	$4.10
240V. Cartridge Pullout Unit	FSP230	FSP260	5	8.10
240V. Sealable Water Heater Pullout Unit	FSP230WH	FSP260WR	1	8.10
240V. 3 Phase Delta Cartridge Pullout Unit	FSP330D	FSP360D	1	18.30

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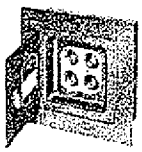
SQUARE D FUSIBLE SERVICE EQUIPMENT

ASSEMBLED DEVICES

Fusible Service Entrance Equipment having pullout type switches and plug fuse branches. 120V. and 120/240V. A.C., 1ϕ-3 wire systems.

MAINS		BRANCHES		GENERAL PURPOSE			RAINTIGHT	
Rating	No. Pullouts	No. Pullouts	Plugs	Surface	Flush	Price	.....	Price
SERIES CONNECTED — SINGLE MAIN								
60 A.	1-60 A.	.....	4	M4S	M4F	$17.50	M4RB	$35.40
		.....	6	M6S	M6F	26.00	M6RB	42.20
		.....	8	M8S	M8F	31.60	M8RB	47.50
		1-60 A.	4	MR4S	MR4F	18.60	MR4RB	36.70
			6	FSP33782S	FSP33782F	32.90	.....	.....
			8	FSP33982S	FSP33982F	38.60	.....	.....
SIX SUBDIVISION RULE — PARALLEL MAIN								
100 A.	2-60 A.	.....	4	LR4S	LR4F	$18.60	LR4RB	$36.70
120 A.	2-60 A.	.....	6	FSP33783PS	FSP33783PF	32.90	.....	.....
		.....	8	FSP33983PS	FSP33983PF	38.60	.....	.....

FUSE CABINETS



No. P4F

Liberal wiring space provided for making connections. MAINS: 2 or 3 120/240 Volts A.C. or D.C., solid neutral only.

BRANCHES: 30 ampere, 120 volt, plug fuses.

Flush Nos.	Surface Nos.	Circuits	Height Inches	Price
P2F	P2S	2	6⅝	$ 8.00
P4F	P4S	4	6⅝	10.50
P6F	P6S	6	11⅜	18.40
P8F	P8S	8	14⅛	24.50
P10P	P10S	10	15¾	31.60
P12F	P12S	12	16⅞	37.70

PULLOUT — ONLY DEVICES

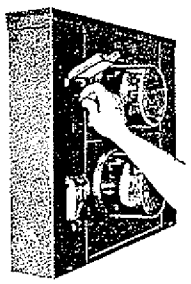
SINGLE PHASE SERVICE				THREE PHASE SERVICE			
Cat. No.	Amps.	Fuses	Price Each	Cat. No.	Amps.	Fuses	Price Each
FS230S/F	30	2	$16.90	FS330S/F	30	3	$20.10
FS260S/F	60	2	16.90	FS360S/F	60	3	31.90
FS2100S/F	100	2	42.20	.....	...	...	.....
FS2200S/F	200	2	93.10	FS3200S/F	200	3	126.00

Available in General Purpose Flush or Surface, and Raintight Enclosure.

UNITIZED E-Z STACK®

A completely self-contained meter-center with up to six individual services. Rigid bussed throughout; no interconnections required. Service connects to top, bottom or side; load conduits connect to top, bottom, sides and back. Enclosures have external mounting provisions. Meter sockets are 4 jaw with provisions for potential 5th jaw at the 6 and 9 o'clock positions. Meter socket bases are constructed of an indestructible polyester glass fiber material. Each meter socket is supplied with a snap-type seal ring. Lock-off and sealing provisions are provided for each branch main breaker.

Individual breaker covers on outdoor devices can be padlocked and/or sealed



Outdoor—Surface Mounting UEZ144RH

OUTDOOR

1ϕ 3 W. — 100 A. METER SOCKETS — SURFACE and SEMI/FLUSH MOUNTING

No. of Meters	Mains Rating	● Max. Branch Rating	Surface Mounting‡ Catalog Number	● Price	Dimensions (Inches) W H D	Semi/Flush Mounting Catalog Number	● Price	Dimensions (Inches) W H D	Line Lugs Per Phase AL/CU
2	200 A.	100 A.	UEZ124-RB	$109.	14½x33½x5	UEZ124RF	$120.	17¾x35¾x5½	(1) 300MCM
3	225 A.	100 A.	UEZ134-RB	133.		UEZ134RF	154.		
4	225 A.	100 A.	UEZ144-RH	169.	28½x24½x5	UEZ144RF	199.	31¼x27 x6¼	(1) 300MCM
	400 A.		UEZ145-RH	184.		UEZ145RF	204.		(1) 600MCM or (2) 400MCM
5	225 A.	70 A.	UEZ154-RH	219.	28½x33½x5	UEZ154RF	238.	31¼x35¼x6¼	(1) 300MCM
	400 A.	100 A.	UEZ155-RH	232.		UEZ155RF	252.		(1) 600MCM or (2) 400MCM
6	400 A.	100 A.	UEZ165-RH	271.		UEZ165RF	292.		
	600 A.		†UEZ166-RH	308.		UEZ166RF	332.		

● Plug-in base for two-pole Type QO or Q1 breaker. Order breakers separately.
‡Outdoor — surface mounted devices are furnished with a closing cap and require interchangeable hub. See Page 65.
†Top endwall has provisions for two bolt-on interchangeable hubs.

Call Graybar For Information On Other Available Indoor and Outdoor E-Z Stack Units.
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

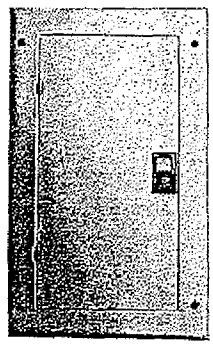
GENERAL ELECTRIC SERVICE-ENTRANCE EQUIPMENT

PowerMark+* Circuit Breaker Load Centers

Load centers on this page are suitable for use as service-entrance equipment when installed in accordance with NEC 230-70A through G. Single-phase panels in excess of 6 circuits (12 poles) or three-phase panels in excess of 6 circuits (18 poles) must be protected by either an integral main breaker or a separate service-entrance disconnect. Meets Federal Government Specification W-P-115a for power distribution panels—Type 1, Class 2.

FEATURES

- Full functional line of enclosures for either one-inch module or half-inch module plug-in circuit breakers.
- The Master Main* line of main breakers can be field assembled or factory assembled. These breakers provide ratings from 40 amperes to 100 amperes without using branch spaces.
- All terminations approved for either copper or aluminum wire.
- Shallow-depth and flat-front construction permits flush mounting in modern thin-wall construction.
- Neutrals are application oriented to provide wiring ease and maximum use of gutter space.



MAIN LUG PANELS

Main Rating (Amp)	Maximum 1-pole Spaces		Maximum 2-pole Spaces		Complete Device			
					Indoor Enclosure		Outdoor Enclosure	
	1" TQL	½" TQP	1" TQL	½" TQP	Cat. No. F—Flush S—Surface	Each	Cat. No. RH—For Universal Hub①	Each
Compact—Shallow Depth (2⅝ in.) Single-phase, 3-wire, 120-240, 120/208Y Volts, A-c No Door								
40	2	—	1	—	TL240F, S	$5.60	TL240RH	$12.30
70	3	4	1	1	TL270F, S	7.30	TL270RH	13.90
100	4	8	2	2	TL410F, S	8.10	TL410RH	15.20
125	6	12	2	2	TL612FL, SL	8.80	TL812RH	15.60
	8	16	2	2	TL812FL, SL	14.10		
With Door								
125	6	12	2	2	TL612F, S	$10.20	.....	....
	8	16	2	2	TL812F, S	15.20	.....	....
Standard Size—With Door Depth (3⅝ Inches)④ Main Lugs Convertible to Main Breaker③								
125	6	12	3	4	TLM612F, S	$11.20	TLM612RH	$16.00
	8	16	4	6	TLM812F, S	15.80	TLM812RH	25.00
	12	24	6	10	TLM1212F, S	24.00	TLM1212RH	38.00
	16	24	8	10	TLM1612F, S	32.00	TLM1612RH	46.00
	20	24	10	10	TLM2012F, S	40.80	TLM2012RH	54.00
Main Lugs Only								
150	12	24	6	10	TL1215F, S	$31.00	TL1215RH	$45.00
	18	30	8	14	TL1815F, S	39.00	TL1615RH	55.00
	20	30	10	14	TL2015F, S	47.00	TL2015RH	62.50
200	—	—	2	0	TL420F, S	25.00	TL420RH	39.00
	8	16	4	6	TL820F, S	30.00	TL820RH	44.00
	12	24	6	10	TL1220F, S	38.00	TL1220RH	52.50
	20	40	10	18	TL2020F, S	54.00	TL2020RH	70.00
	30	40	14	18	TL3020F, S	69.00	TL3020RH	76.50
	40	40	20	20	TL4020F, S	83.00	TL4020RH	139.00
225	24	42	12	20	TL2422F, S	66.00	TL2422RH	83.50
	42	42	20	20	TL4222F, S	97.00	TL4222RH	154.00
400	42	—	20	—	TL4240F, S	188.00	TL4240R	238.00
Three-phase, 4-wire 120/240, 120/208Y Volts, A-c								
125	12	24	6	10	TL12-412F, S	$38.00	TL12-412RH	$52.00
150⑤	18	36	8	18	TL18-415F, S	54.00	TL18-415RH	67.50
	24	42	12	18	TL24-415F, S	65.05	TL24-415RH	86.00
200⑤	18	36	8	16	TL18-420F, S	66.56	TL18-420RH	78.00
	30	42	14	16	TL30-420F, S	74.00	TL30-420RH	90.59
	42	42	20	14	TL42-420F, S	98.50	TL42-420RH	152.00
225	30	42	14	18	TL30-422F, S	85.00	.....	....
	42	42	20	40	TL42-422F, S	109.80	TL42-422R	163.50
400	42	—	20	—	TL42-440F, S	200.00	TL42-440R	265.00

① Device comes complete with a closing cap. Order hub separately.

② 125-200 ampere, indoor enclosure; single-phase and three-phase; 225 ampere, single-phase, 3¾"; three-phase 4⅝".

③ Use Main Circuit-breaker kit TLMB040 (40 amp), TLMB050 (50 amp), TLMB060 (60 amp), TLMB070 (70 amp), TLMB090 (90 amp), or TLMB-100 (100 amp).

MAIN CIRCUIT-BREAKER PANELS FACTORY INSTALLED TOP FEED

Main Breaker Rating (Amp)	Maximum 1-pole Spaces		Maximum 2-pole Spaces		Complete Device (Main Breaker Included)			
					Indoor Enclosure		Outdoor Enclosure	
	1" TQL	½" TQP	1" TQL	½" TQP	Cat. No. F—Flush S—Surface	Each	Cat. No. RH—For Universal Hub②	Each
Single-phase, 3-wire, 120/240 Volts, A-c								
100	10	20	5	8	TM1010F, S	$45.50	TM1010RH	$59.50
	12	20	6	8	TM1210F, S	47.00	TM1210RH	61.00
	14	20	7	8	TM1410F, S	51.00	TM1410RH	65.00
	16	20	8	8	TM1610F, S	55.00	TM1610RH	69.00
	20	20	10	10	TM2010F, S	63.00	TM2010RH	77.00
125	16	30	8	14	TM1612F, S	85.50	TM1612RH	101.80
	20	30	10	18	TM2012F, S	93.50	TM2012RH	109.00
150	16	30	8	14	TM1615F, S	85.50	TM1615RH	101.80
	20	30	10	18	TM2015F, S	93.50	TM2015RH	109.00
	24	30	12	18	TM2415F, S	101.80	TM2415RH	125.00
	30	30	14	18	TM3015F, S	113.00	TM3015RH	138.00
200	20	40	10	18	TM2020F, S	93.50	TM2020RH	109.00
	24	40	12	18	TM2420F, S	101.00	TM2420RH	125.00
	30	40	14	18	TM3020F, S	113.00	TM3020RH	138.00
	40	40	20	20	TM4020F, S	133.00	TM4020RH	158.00
225	24	42	12	18	TM2422F, S	112.00	TM2422RH	136.00
	42	42	20	20	TM4222F, S	149.00	TM4222RH	173.00
Three-phase, 4-wire, 120/240, 120/208 Volts, A-c								
100	18	30	8	12	TM18-410F, S	$109.80	TM18-410RH	$128.00
125	30	42	14	18	TM30-412F, S	212.00	TM30-412RH	261.00
150④	24	42	12	18	TM24-415F, S	215.00	TM24-415RH	239.00
	30	42	14	18	TM30-415F, S	212.00	TM30-415RH	274.00
	42	42	20	14	TM42-415F, S	242.00	.....	....
200④	24	42	12	18	TM24-420F, S	215.00	.....	....
	30	42	14	16	TM30-420F, S	222.00	TM30-420RH	274.80
	42	42	20	14	TM42-420F, S	242.00	TM42-420RH	343.00
225	42	42	20	14	TM42-422F, S	253.00	TM42-422R	345.00

BOTTOM FEED

Main circuit-breaker panels over 125A are available for bottom feed applications. Add "B" to Cat. No., for instance TM2020FB or SB.

LUG-WIRE SIZES (Cu-Al)

Main Lug Panels			Main Circuit Breaker Panels		
Panel	Main Rating (Amp)	Main Lug Wire Size CU/AL	Panel	Main Rating (Amp)	Main Lug Wire Size CU/AL
Single-phase	40	14-4	Single-phase	100-125	14-1/0
	70-125	6-2/0		150-200	1-250MCM
	150-200	2-250MCM		225	1-300MCM
	225	1-300MCM			
	400	(2)2/0-250 MCM			
Three-phase	125	8-2/0	Three-phase	100	14-1/0
	150-200	2-250MCM④		125-200	1-250MCM
	225	1-300MCM		225	1-300MCM
	400	(2)2/0-250MCM			

④ On the three-phase, four-wire, 150-200-ampere panels, the maximum size of the main KO is 2½ inches which will accept either 4 3/0 copper wires for 200 amperes or 4 3/0 aluminum wires for 155 amperes.

* Trade-mark of General Electric Company.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC SERVICE-ENTRANCE EQUIPMENT

PowerMark+* Circuit Breaker Load Centers

Load centers on this page are suitable for use as service-entrance equipment when installed in accordance with NEC 230-70A through G. Single-phase panels in excess of 6 circuits (12 poles) must be protected by either an integral main breaker or a separate service-entrance disconnect.

SPLIT-BUS PANELS ①

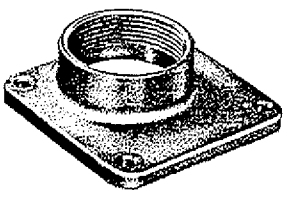
Single-phase, 3-wire, 120/240 Volts, A-c

Main Rating (Amperes)	Main Section ③ Usable 2-pole 1"	Main Section ⑤ Usable 2-pole ½"	Sub-section 1" TQP	Sub-section ½" TQP	Complete Device — Indoor Enclosure Cat. No. F—Flush S—Surface	Indoor Enclosure Each	Outdoor Enclosure Cat. No. RH—For Universal Hub⑤	Outdoor Enclosure Each
125	2	2④	6	12⑥	TX1212F, S	$24.00	TX1212RH	$38.00
	3	4	6	12	TX1412F, S	28.50	TX1412RH	42.50
	3	4	8	16	TX1612F, S	32.00	TX1612RH	46.00
	3	4	12	16	TX2012F, S	39.50	TX2012RH	54.00
	5	5	8	14	TX2012AF, AS	39.50	TX2012-ARH	54.80
150	3	4	8	16	TX1615F, S	39.00	TX1615RH	53.00
	3	4	12	20	TX2015F, S	47.00	TX2015RH	62.50
	5	5	8	16	TX2015AF, AS	47.00	TX2015ARH	62.50
	5	5	12	20	TX2415F, S	49.50	TX2415RH	66.00
200	3	4	8	16	TX1620F, S	46.00		
	3	4	12	20	TX2020F, S	54.00	TX2020RH	70.80
	5	5	8	16	TX2020AF, AS	54.00	TX2020ARH	70.00
	5	5	12	20	TX2420F, S	61.50	TX2420RH	78.00
	4⑥	4	16	32	TX2820F, S	67.00	TX2820RH	83.50
	4⑥	4	24	32	TX3620F, S	78.00		

① NEC 384-15a exception 2 prohibits use of 15- and 20-amp. breakers in main section.
② "Usable" space is in addition to space for TQL lighting main.
③ Device complete with closing cap. Order hub separately.
④ Two additional poles are available using a handle-tied breaker.
⑤ Two additional poles available using TQP subsection main.
⑥ Requires two subsection main breakers.

UNIVERSAL RAINTIGHT HUBS

For "RH" Raintight Devices



Available for conduit sizes ¾", 1", 1¼", 1½", 2", 2½".

Can be installed on conduit before switch is mounted.

No offset in conduit required for surface conduit runs, ½" max distance to wall.

Nominal Conduit Diameter in Inches	Catalog Number	Each	Standard Pkg Qty
¾	TC75	$3.50	10
1	TC100	3.50	
1¼	TC125	3.50	
1½	TC150	3.50	
2	TC200	6.10	
2½	TC250	10.70	
Closing Cap	TCCP	.45	

PowerMark+* Meter Socket Load Centers With Bonded Neutrals

Single-phase, 3-wire, 120/240, 120/208Y① Volts A-c

UNDERGROUND SERVICE

Main Rating (Amp)	Max. 1-pole Spaces 1" TQL	Max. 1-pole Spaces ½" TQP	Max. 2-pole Spaces 1" TQL	Max. 2-pole Spaces ½" TQP	Semi-flush Cat. No.	Semi-flush Each ⑤	Surface Cat. No.	Surface Each ⑤	Main Lug Wire Size CU-AL
Main Breaker (Factory Installed)									
100	10	20	5	9	TM1010MUF	$85.00	TM1010MU	$83.00	6-2/0
125	12	24	6	11	TM1212MUF	161.00	TM1212MU	159.00	6-2/0
125	20	40	10	19	TM2012MUF	240.00	TM2012MU	238.00	1-300 MCM
150	20	40	10	19	TM2015MUF	240.00	TM2015MU	238.00	1-300 MCM
175	20	40	10	19	TM2017MUF	240.00	TM2017MU	238.00	1-300 MCM
200	20	40	10	19	TM2020MUF	240.00	TM2020MU	238.00	1-300 MCM
Main Lugs Only									
100	2	4	1	1	TL210MUF⑥	$29.00	.....	.....	6-2/0
125	2	4	1	1	TL212MUF④	52.00	TL212MU④	$50.00	6-2/0
125	4	8	2	2	TL412MUF	57.00	TL412MU	55.00	6-2/0
200	..	..	..	..	TL20MUF⑤	116.00	TL20MU⑤	114.00	1-300 MCM
Meter and Main Breaker (Field Installed)									
100	..	..	..	..	TL210MUF①	$29.00	.....	.....	6-2/0
125	..	..	..	..	TL212MUF④	52.00	TL212MU④	$50.00	6-2/0
125	..	..	..	..	TL412MUF④	57.00	TL412MU④	55.00	6-2/0
200	..	..	..	..	TL20MUF⑤	116.00	TL20MU⑤	114.00	1-300 MCM

OVERHEAD SERVICE

Main Rating (Amp)	Max. 1-pole Spaces 1" TQL	Max. 1-pole Spaces ½" TQP	Max. 2-pole Spaces 1" TQL	Max. 2-pole Spaces ½" TQP	Semi-flush Cat. No.	Semi-flush Each ⑤	Surface Cat. No.	Surface Each ⑤	Main Lug Wire Size CU-AL
Main Breaker (Factory Installed)									
100	10	20	5	8	TM1010MFRH	$73.00	TM1010MRH	$71.00	6-2/0
125	12	24	6	10	TM1212MFRH	133.00	TM1212MRH	131.00	6-2/0
125	20	40	10	18	TM2012MFRH	194.00	TM2012MRH	192.00	1-300 MCM
150	20	40	10	18	TM2015MFRH	194.00	TM2015MRH	192.00	1-300 MCM
175	20	40	10	18	TM2017MFRH	194.00	TM2017MRH	192.00	1-300 MCM
200	20	40	10	18	TM2020MFRH	194.00	TM2020MRH	192.00	1-300 MCM
Main Lug Only									
125	2	4	1	1	TL212MFRH	$29.00	TL212MRH	$27.00	6-2/0
125	4	8	2	2	TL412MFRH	33.00	TL412MRH	31.00	6-2/0
125	8	12	4	6	TL812MFRH	39.00	TL812MRH	39.00	6-2/0
200	..	..	..	..	TL20MRH⑤	91.00	TL20MRH⑤	89.00	1-300 MCM
Meter and Main Breaker (Field Installed)									
125	..	..	..	..	TL212MFRH	$29.00	TL212MRH	$27.00	6-2/0
125	..	..	..	..	TL412MFRH⑥	33.00	TL412MFRH	31.00	6-2/0
200	..	..	..	..	TL20MFRH⑤	91.00	TL20MRH⑤	89.00	1-300 MCM

NOTE: These meter socket load centers are approved by PUESR and WUESSC.

① Fifth jaw required for 120/208Y volts a-c. Order Cat. No. TJAW5 kit, list price $2.30 each.
② Shipped and priced without branch components or hubs in place.
③ Does not meet PUESR or WUESSC requirements.
④ Use TQL, TQAL main.
⑤ Accepts TQD breaker only.
⑥ Accepts 2 TQL 2-pole main breakers.

NOTE: Narrow raintight load centers for use with ganged meter sockets are also available.

*Trade-mark of General Electric Company.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

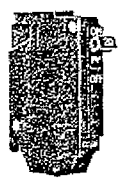
GENERAL ELECTRIC SERVICE-ENTRANCE EQUIPMENT

Circuit Breakers for PowerMark+* Load Centers

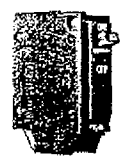
Circuit breakers on this page comply with Federal Government Specifications W-C-375a Class 1 Amendment 3 dated Feb. 18, 1965. U/L listed. All devices on this page standard with lugs for copper or aluminum wire either ambient compensated or enclosure compensated.

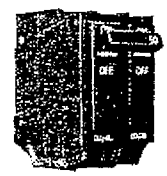
Interrupting Capacity

Type TQP	5,000 Amperes
Type TQL	5,000 Amperes
Type THQL	10,000 Amperes
Type TXQL	75,000 Amperes


Single-pole Type TQP

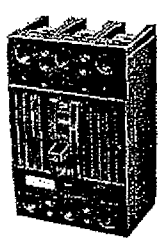

Two-pole Type TQP


Single-pole Type TQL


Two-pole Type TQL


Three-pole Type TQL

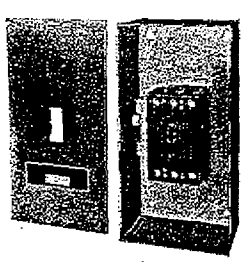
Amp	TYPE TQP①② ½" Module 120/240 V, A-c		TYPE TQL 1" Module 120/240 V, A-c				HI-BREAK③ TYPE THQL 1" Module				TYPE TXQL 1" Module	
					High Magnetic①		120/240 V, A-c		240 V, A-c		120/240 V, A-c	
	Cat. No.	Each	Cat. No.	Each	Cat. No.	Each	Cat. No.	Each	Cat. No.	Each	Cat. No.	Each
SINGLE-POLE			SINGLE-POLE		SINGLE-POLE		SINGLE-POLE		TWO-POLE		SINGLE-POLE	
10	.....	.....	TQL1110		.....	.....	THQL1110④		THQL22010④		.....	.....
15	TQP115		TQL1115④		TQL1115HM	$3.50	THQL1115	$7.00	THQL22015		TXQL1115	
20	TQP120		TQL1120④		TQL1120HM		THQL1120		THQL22020		TXQL1120	$12.90
25	TQP125		TQL1125		.....	.....	THQL1125		THQL22025		TXQL1125	
30	TQP130	$3.50	TQL1130	$3.50	.....	.....	THQL1130		THQL22030	$22.30	TXQL1130	
35	TQP135		TQL1135		.....	.....	THQL1135		THQL22035		.....	.....
40	TQP140		TQL1140		.....	.....	THQL1140	7.90	THQL22040		.....	.....
45	TQP145		TQL1145		.....	.....	THQL1145		THQL22045		.....	.....
50	TQP150		TQL1150		.....	.....	THQL1150		THQL22050		.....	.....
60	.....	.....	.....	.....	.....	.....	THQAL1160		THQAL22060		.....	.....
70	.....	.....	.....	.....	.....	.....	THQAL1170	16.20	THQAL22070	26.50	.....	.....
80	.....	.....	.....	.....	.....	.....	.....	.....	THQAL22080		.....	.....
90	.....	.....	.....	.....	.....	.....	.....	.....	THQAL22090	38.00	.....	.....
100	.....	.....	.....	.....	.....	.....	.....	.....	THQAL22100		.....	.....
TWO-POLE			TWO-POLE				TWO-POLE		THREE-POLE		TWO-POLE	
10	.....	.....	TQL2110		.....	.....	THQL2110④		THQL32010④		.....	.....
15	TQP215		TQL2115		.....	.....	THQL2115		THQL32015		TXQL2115	
20	TQP220		TQL2120		.....	.....	THQL2120		THQL32020		TXQL2120	$32.00
25	TQP225		TQL2125		.....	.....	THQL2125		THQL32025		TXQL2125	
30	TQP230	$8.10	TQL2130	$8.10	.....	.....	THQL2130	$16.90	THQL32030	$28.00	TXQL2130	
35	TQP235		TQL2135		.....	.....	THQL2135		THQL32035		.....	.....
40	TQP240		TQL2140		.....	.....	THQL2140		THQL32040		.....	.....
45	TQP245		TQL2145		.....	.....	THQL2145		THQL32045		.....	.....
50	TQP250		TQL2150		.....	.....	THQL2150		THQL32050		.....	.....
60	.....	.....	TQAL2160		.....	.....	THQAL2160		THQAL32060		.....	.....
70	.....	.....	TQAL2170	16.40	.....	.....	THQAL22070	26.50	THQAL32070	35.50	.....	.....
80	.....	.....	TQAL2180		.....	.....	THQAL22080		THQAL32080		.....	.....
90	.....	.....	TQAL21090	22.20	.....	.....	THQAL22090	38.00	THQAL32090	41.60	.....	.....
100	.....	.....	TQAL21100		.....	.....	THQAL22100		THQAL32100		.....	.....



TYPE TQD BREAKERS—Bolt-on
Ambient Compensated 10,000 Amp IC

Amp	2-pole 120/240 Volts 240 Volts	Each	3-pole 240 Volts	Each
125	TQD22125WL		TQD32125WL	
150	TQD22150WL		TQD32150WL	
175	TQD22175WL	$49.00	TQD32175WL	$132.00
200	TQD22200WL		TQD32200WL	
225	TQD22225WL		TQD32225WL	
225	TQD22Y225⑤	40.50	TQD32Y225⑤	118.00

(Lug wire size 1-300 MCM CU/AL)



CIRCUIT BREAKER ENCLOSURES—240 Volts, A-c
(Neutrals Included)

Breaker Type	Amp	Poles	F—Flush, S—Surface		Raintight	
			Cat. No.	Each	Cat. No.	Each
TQL	70	2 or 3	TQL70F, S	$11.00	TQL70RH	$18.10
TQL	100	2 or 3	TQL100F, S	16.30	TQL100RH	24.00
TQL	100	2	TL210F, S	8.10	TL210RH	15.20
TQD	225	2 or 3	TQD225F, S	21.60	TQD225R, RH	62.50



SPECIAL-PURPOSE PLUG-IN CIRCUIT BREAKERS

TQLD—3 POLE DELTA

One pole isolated from bus. Permits 3-pole circuit in 1-phase load center, or 2-pole plus switching neutral.

Amp	Cat. No. (Common Trip) 240V, A-c	Each
15	TQLD32015P⑥	
20	TQLD32020P⑥	
30	TQLD32030P	$28.00
40	TQLD32040P	
50	TQLD32050P	
70	TQALD32070P	36.00

* Trade Mark of General Electric Company.

MASTER MAIN* KITS



5000A IC, 2-pole, 120/240 Va-c for Use on TLM Load Centers

Amperes	Cat. No.	Price
40	TLMB040	
50	TLMB050	$12.40
60	TLMB060	
70	TLMB070	17.70
90	TLMB090	
100	TLMB100	23.00
100⑤	TLMB100HB	40.00

LUG-WIRE SIZE

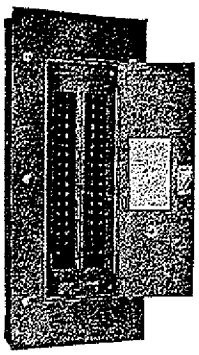
Breaker Type	Cu-Al
Q Line 1P	#14-4
Q Line 2 & 3P	#14-1/0

① Enclosure compensated.
② For 3-pole, use THQL units.
③ May be ordered 100 per carton. Specify "Bulk Pack" on order.
④ High magnetic setting for high-wattage tungsten filaments loads or other high-in-rush load currents. Not U/L listed.
⑤ 10 ampere not U/L listed.
⑥ Nonautomatic interrupter includes line and load lugs.
⑦ 10,000 ampere IC.
⑧ Lugs for copper only.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC PANELBOARDS

Types NLTQ, NLAB — Style Q—Factory Assembled



- SERVICE—240 Volts A-c
- MAINS—600 A main lugs or 600 A main breaker
- SERVICE ENTRANCE EQUIPMENT—When required, must be specified on order.
- BRANCHES—10–100 A, 1-, 2-, 3-pole

  Standard—10–50 A, 1-pole; 10–100 A, 2-, 3-pole

  Sub-feed—225 A, max, 2-, 3-pole

STEP 1 Specify Type

NLTQ: Plug-in Branch Breakers, Types TQL, TQAL, THQL, THQAL, TXQL
NLAB: Bolt-on Branch Breakers, Types TQB, THQB, TXQB

STEP 2 Specify Main, Rating, Service and Price

Main Amps	Each												
	MAIN LUGS ONLY				CONVENTIONAL MAIN BREAKER					HI-BREAK® MAIN BREAKER				
	3φ-4W	3φ-3W	1φ-3W	1φ-2W	Frame	3φ-4W	3φ-3W	1φ-3W	1φ-2W	Frame	3φ-4W	3φ-3W	1φ-3W	1φ-2W
50	$87	$74	$76	$62	TQC TE	$136 145	$122 138	$107 115	$91 101	THQC THEF4	$136 243	$122 229	$107 200	$91 187
100	87	74	76	62	TQC TE	153 171	147 157	128 138	116 124	THQC THEF4	153 261	147 248	128 226	116 212
225	97	83	81	67	TQD TFJ TFK	380 403 442	366 388 428	312 334 360	300 320 346	.... THFK	 734	 720	 614	 600
400	159	120	140	100	TJD TJJ TJK4	618 640 640	577 600 600	534 556 556	495 520 520	.... THJK4	 970	 930	 850	 810
600	204	145	185	128	TJK6	1067	987	880	800	.....	...	...	...	...

STEP 3 Specify Branch Breakers and Price

Branch Breakers	Molded-case Circuit Breakers Type	Amps	Frames	Each 1-Pole 120V	2-Pole 120/240V	2-Pole 240V	3-Pole 240V
Double-branch Mounting	Conventional	10–50	TQL, TQB	$7.00	$14.50	$28.00	$35.00
		60	TQAL, TQB	7.00①	14.50	28.00	35.00
		70	TQAL, TQB	12.00①	23.00	30.00	46.00
		80–100	TQAL, TQB	....	28.00	31.00	47.00
	H-Q	10–50	THQL, THQB	11.00	21.00	30.00	35.00
		60	THQAL, THQB	14.00	28.00	30.00	45.00
		70	THQAL, THQB	18.50	30.00	30.00	46.00
		80–100	THQAL, THQB	....	37.00	37.00	52.00
	X-Q	15–30	TXQL, TXQB	16.00	37.00	....	....
	Space and Bus	10–100	All Frames	2.80	5.70	5.70	9.00

STEP 4 Specify Modifications and Price

			Amps		Each 1-Pole 120V	2-Pole 120/240V	2-Pole 240V	3-Pole 240V
Single Branch Mounting	Combination Panel	Conventional	15–50	TE-12-Poles Max. Per Pnl.	16.00	....	41.00	61.00
			70–100	TE-12-Poles Max. Per Pnl.	33.00	....	63.00	84.00
	Sub-feed Breakers	Conventional	125–225	TQD-12-Poles Max. Per Pnl.	....	....	149.00	186.00
			70–225	TFJ-1-Bkr. Max. Per Pnl.	....	....	239.00	299.00
			70–225	TFK-1-Bkr. Max. Per Pnl.	....	....	277.00	349.00

Description	Amps		Each 3φ-4W, 3φ-3W	Each 1φ-3W, 1φ-2W
Double (Dual) Main Lugs	50–225	.....	$18.00	$13.00
	400	.....	51.00	39.00
Thru-feed Lugs or Split-bus (Includes Main Lugs For Separate Section) Thru-feed Lugs Only	50–225	.....	46.00	32.00
	400	.....	81.00	68.00
All Other Modifications.....			Refer to Graybar.	

STEP 5 Specify Enclosure

a. Specify Main Breaker or Lugs top or bottom. Standard at bottom unless otherwise noted. NOTE: Interchangeable Trip Breaker top mounting only	No Charge
b. Specify Flush or Surface mounting. Flush furnished as standard.	

QUICK PRICING TABLE—Types TQL and TQB, 15-50A, 1-P, Breakers

Qty.	Each	Qty	Each	Qty	Each
1	$7.00	6	$42.00	20	$140.00
2	14.00	7	49.00	30	210.00
3	21.00	8	56.00	40	280.00
4	28.00	9	63.00	42	294.00
5	35.00	10	70.00	..	.....

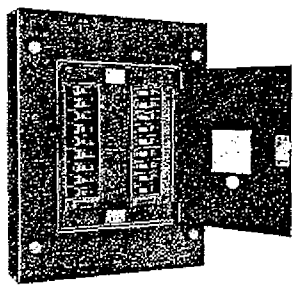
NOTE: The sum of Q-line breaker ratings mounted opposite each other (double-branch construction) cannot exceed 140 amps.

① TQB only.

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GENERAL ELECTRIC PANELBOARDS

Types NAB, NHB — Style NCP—Factory Assembled



- SERVICE—NAB, Max. 240 Volts, A-c; 125/250 Volts, D-c
  NHB, Max. 600 Volts, A-c; 250 Volts, D-c
- SERVICE ENTRANCE EQUIPMENT—When required, must be specified on order.
- MAINS—600 A, main lugs or main breaker
- BRANCHES—
  Standard—15–100 A, 1-, 2-, 3-pole
  Sub-feed—225 A Max. 2-, 3-pole

STEP 1 Specify Type

NAB: Bolt-on Branch Breakers, Type TE
NHB: Bolt-on Branch Breakers, Types TEF, TEF4, TEF6, THEF, THEF4, THEF6

STEP 2 Specify Main, Rating, Service and Price

MAIN LUGS ONLY						MAIN CIRCUIT BREAKERS										
			Each					CONVENTIONAL FRAMES					HI-BREAK® FRAMES			
Max Volts	Max Amps	3φ-4W	3φ-3W	1φ-3W	1φ-2W	Max Volts	Max Amps	Type Frame	Each 3φ-4W	3φ-3W	1φ-3W	1φ-2W	Type Frame	Each 3φ-4W	3φ-3W	1φ-3W	1φ-2W
480	100	$101	$78	$91	$69	240	50	TE	$160	$139	$129	$113	.....	....	....	....	....
							100	TE	182	163	150	131	.....	....	....	....	....
	225	114	85	102	75		225	TQD	397	366	330	301	.....	....	....	....	....
							400	TJD	640	585	517	491	.....	....	....	....	....
	400	150	121	140	101	480	50	TEF4	191	171	161	140	THEF4	$249	$227	$218	$206
							100	TEF4	207	190	178	157	THEF4	270	249	236	214
	600	206	149	185	128	600	50	TEF6	206	185	165①	161①	THEF6	249	227	218	206
600	100	101	78	91	69		100	TEF6	227	206	191	170	THEF6	270	249	236	214
	225	145	112	139	112		225	TFJ	419	388	352	323	.....	....	....	....	....
								TFJ	496	444	384	391	THFK	746	715	630	599
	400	172	132	172	132		400	TJJ	669	637	556	524	.....	....	....	....	....
								TJK4	669	637	556	524	THJK4	971	960	844	790
	600	229	173	229	173		600	TJK6	1198	1142	1012	955	.....	....	....	....	....

STEP 3 Specify Branch Breakers and Price

Description	Molded-case Circuit Breaker Type	Max Volts	Trip Range in Amp	Frame	Price 1-pole Per Ckt	1-pole Per② Space	2-pole Per Ckt	2-pole Per② Space	3-pole Per Ckt	3-pole Per② Space
Branch Breakers (Double-branch Mounting)	Conventional	240	15-60	TE	$16.50	$6.00	$41.00	$8.50	$58.00	$11.00
			70-100	TE	33.00	6.00	61.00	8.50	80.00	11.00
		277	15-60	TEF	20.00	6.00	.....	.....	.....	.....
		480	15-60	TEF4	.....	.....	73.00	8.50	94.00	11.00
			70-100	TEF4	.....	.....	90.00	8.50	109.00	11.00
		600	15-60	TEF6	.....	.....	85.00	8.50	110.00	11.00
			70-100	TEF6	.....	.....	105.00	8.50	129.00	11.00
	HI-BREAK	277	15-30	THEF	$7.00	6.00	.....	.....	.....	.....
		480	15-60	THEF4	.....	.....	131.00	11.00	154.00	11.00
			70-100	THEF4	.....	.....	149.00	11.00	174.00	11.00
		600	15-60	THEF6	.....	.....	131.00	11.00	154.00	11.00
			70-100	THEF6	.....	.....	149.00	11.00	174.00	11.00

STEP 4 Specify Modifications and Price

Description		Volts	Amp		Price 1-pole Per Ckt	1-pole Per② Space	2-pole Per Ckt	2-pole Per② Space	3-pole Per Ckt	3-pole Per② Space
Sub-feed Breakers (Single-branch Mounting)	Conventional	240	125-225	TQD (max 2 per PNL)	.....	.....	147.00	.....	188.00	.....
		600	70-225	TFJ (max 2 per PNL)	.....	.....	233.00	.....	291.00	.....
		600	70-225	TFK (max 2 per PNL)	.....	.....	277.00	.....	349.00	.....
	HI-BREAK	600	70-225	THFK (max 2 per PNL)	.....	.....	529.00	.....	632.00	.....

Description	Volts	Amp	Each 3φ-4W, 3φ-3W	Each 1φ-3W, 1φ-2W
Double (Dual) Main Lugs	600	50-225	$18.00	$13.50
		400	51.00	39.00
Thru-feed Lugs or Split-bus (Includes Main Lugs for Separate Section)	600	50-225	46.00	32.00
		400	81.00	68.00
Thru-feed Lugs Only		600	89.00	81.00
All Other Modifications			Refer to Graybar	

STEP 5 Specify Enclosure

a. Specify Main Breaker or Lugs at Top or Bottom. Standard at Bottom Unless Otherwise Stated. NOTE: Interchangeable Trip Breaker, Top Mounting Only.	No Charge
a. Specify Flush or Surface Mounting. Flush Furnished as Standard.	

①2-pole, 600-volt TEF6 frame not U/L listed. If U/L listing is required, use 3-pole frame.

②Price includes connectors to mount future breakers.

QUICK PRICING TABLE: TYPES TE AND TEF 15-50 AMP, 1-POLE BREAKERS

TE Frames						TEF Frames					
Qty	Price	Qty	Price	Qty	Price	Qty	Price	Qty	Price	Qty	Price
1	$16.00	6	$ 99.00	20	$330.00	1	$20.00	6	$120.00	20	$400.00
2	33.00	7	115.00	30	495.00	2	40.00	7	140.00	30	600.00
3	49.50	8	132.00	40	660.00	3	60.00	8	160.00	40	800.00
4	66.00	9	148.00	42	693.00	4	80.00	9	180.00	42	840.00
5	82.00	10	165.00	....	.....	5	100.00	10	200.00	....	.....

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC PANELBOARDS

Types NAB, NHB — Style NCP—Factory Assembled

HOW TO SIZE AND PRICE TYPES NAB, NHB PANELBOARD BOXES

- Use Table 1 or 2 to find unit "X" height of the panelboard main device. These tables also show the wiring lug size furnished, plus wiring gutter space.
- Find branch breaker "X" heights from Table 3.
- Add main device and branch breaker "X" heights to find total panelboard "X" heights.
- Use Table 4 to convert total "X" height to total inches. Table 4 also shows corresponding catalog number and list price for box and front. Where panel "X" height is not listed use the next larger panel "X" height.

TABLE 1—MAIN LUGS ONLY

Amp	Unit "X" Height (X = 1¾ inches) 3Φ–4W 1Φ–3W	3Φ–3W 1Φ–2W	Terminal Lugs No. Per Pole	Wire Per Lug	Wire Range	Wire Type	Wiring Space to End Wall Phase Lug	Neut. Lug
100	0X	0X	1	1	#14–2/0	Cu-Al	5⅛	5⅛
225	0X	0X	1	1	#6–350 MCM	Cu-Al	5¼	5
400	6X	3X	1	1	250–600 MCM or 2–250 MCM	Cu-Al	8⅛	8¼
600	6X	3X	2	1	250–600 MCM or 2–250 MCM	Cu-Al	8⅛	8⅛

TABLE 2—MAIN CIRCUIT BREAKERS

Amp	Frame Type	Mounting Std	Mounting Optional	Unit "X" Height (X = 1¾ inches) 3Φ–4W	3Φ–3W	1Φ–3W	1Φ–2W	Terminal Lugs No. of Lugs	Wire Per Lug	Wire Range	Type	Wiring Space to End Wall Phase Lug	Neut. Lug
100	TE, TEF4, TEF6	Horiz	.....	3X	3X	2X	2X	1	1	#14–1/0	Cu-Al	4½	5⅜
	THEF4, THEF6	Horiz	.....	3X	3X	3X	3X	1	1	#14–1/0	Cu-Al	4⅛	5⅛
	TE, TEF4, THEF4	.....	Vert	6X	6X	6X	6X	1	1	#14–1/0	Cu-Al	4½	5¾
	TEF6, THEF6	.....	Vert	6X	6X	6X	6X	1	1	#14–1/0	Cu-Al	4½	5⅜
225	TQD	Vert	.....	6X	6X	6X	6X	1	1	#1–300 MCM	Cu-Al	5⅛	5
	TFJ, TFK, THFK	Vert	.....	8X	8X	8X	8X	1	1	#4–300 MCM	Cu-Al	6¼	5
400	TJJ, TJK4, THJK4, TJD	Vert	.....	13X	10X	13X	10X	1	1	#6–600 MCM or 2–(2/0–250 MCM)	Cu-Al	9	8¼
600	TJK6	Vert	.....	13X	10X	13X	10X	1	2	250–350 MCM or	Cu	9	8⅛
									2	350–500 MCM	Al	9	8¾

NOTE: For horizontally mounted E-line main breakers, branch breakers of same frame type may be located opposite this main breaker.

TABLE 3—BRANCH CIRCUIT BREAKERS

Branch Circuit Devices	Frame	No. of Poles	Unit "X" Height (X = 1¾ inches)	Wiring Space to Side Wall (22" W Box)
E-line Breakers (Double-branch Mounting)	TE, TEF, THEF	1	1X	4½ inches
	TE, TEF4, TEF6	2	2X	
		3	3X	
	THEF4, THEF6	2, 3	3X	
Sub-feed Breakers (Single-branch Mounting)	TQD (Max 2-per PNL)	2	(1–2P, 4X) (2–2P, 6X)	Refer to Graybar
		3	(1–3P, 5X) (2–3P, 8X)	
	TFJ, TFK, THFK (Max 2-per PNL)	2, 3	1-Cir. bkr 8X 2-Cir. bkrs 10X	
NOTE, Any panel with	Sub-feed lugs, split-bus, thru-feed lugs or any other modification			

TABLE 4—BOX AND FRONT DIMENSIONS, CATALOG NUMBERS, LIST PRICES

- Box dimensions are inside dimensions. Add ¼ inch for outside dimensions.
- Flush fronts (F) are 1½ inches larger than box.
- Surface fronts (S) are ¼ inch larger than box.
- Boxes furnished with standard knockouts. When no knockouts are required, add suffix "B" to Cat. No.

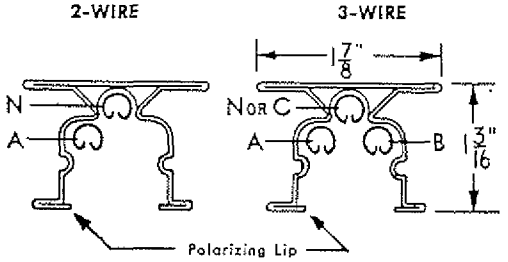
Panel "X" Height	22" Wide × 5¾" Deep Box (Standard Knockouts) Box Height in Inches	Box Catalog Number	Box Each	Front (Flush or Surface) Catalog Number	Front Each
6X	23¼	DA220523N	$22	DA220523F or S	$27
10X	28¾	DA220528N	27	DA220528F or S	43
14X	34¾	DA220534N	32	DA220534F or S	47
18X	39¾	DA220539N	37	DA220539F or S	54
24X	48	DA220548N	58	DA220548F or S	68
28X	53½	DA220553N	65	DA220553F or S	75
32X	59	DA220559N	71	DA220559F or S	82
34X	61¾	DA220561N	94	DA220561F or S	105
36X	64½	DA220564N	98	DA220564F or S	107
38X	67¼	DA220567N	103	DA220567F or S	112
40X	70	DA220570N	107	DA220570F or S	116
42X	72¾	DA220572N	111	DA220572F or S	118
44X	75½	DA220575N	114	DA220575F or S	124
46X	78¼	DA220578N	118	DA220578F or S	126
48X	81	DA220581N	122	DA220581F or S	132
50X	83¾	DA220583N	126	DA220583F or S	136
52X	86½	DA220586N	130	DA220586F or S	139

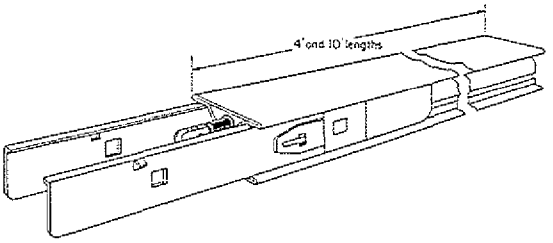
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC BUSWAY

Plug-in, Type LW — 30 and 60 Amperes — 2- and 3-wire

STRAIGHT LENGTHS WITH COUPLINGS AND CONNECTORS (Order Hangers Separately)

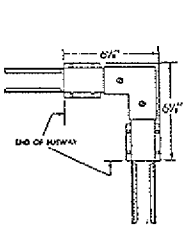




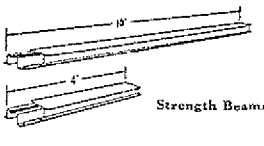
Length	TWO-WIRE Catalog Number 30 A-250 V	60 A-250 V	30 A-300 V	60 A-300 V	Each	Std Pkg	Pkg Wt Lbs	THREE-WIRE Catalog Number 30 A-250 V	60 A-250 V	30 A-480Y/277 V ①	60 A-480Y/277 V ①	Each	Std Pkg	Pkg Wt Lbs
10-foot	LW223	LW226	LW233	LW236	$15.00	6	55	LW323	LW326	LW333	LW336	$20.00	6	60
	.....	.....	.....	.....	18.00	6	60	.....	.....	.....	.....	27.00	6	65
	.....	.....	.....	.....	18.00	6	55	.....	.....	.....	.....	27.00	6	60
	.....	.....	.....	.....	22.00	6	60	.....	.....	.....	.....	35.00	6	65
4-foot	LW2234	LW2264	LW2334	LW2364	8.00	6	20	LW3234	LW3264	LW3334	LW3364	11.00	6	25
	.....	.....	.....	.....	9.00	6	25	.....	.....	.....	.....	15.00	6	28
	.....	.....	.....	.....	9.00	6	20	.....	.....	.....	.....	15.00	6	25
	.....	.....	.....	.....	12.00	6	25	.....	.....	.....	.....	18.00	6	28

① Two-phase and neutral from 480Y/277-volt system, 300 volts maximum to ground.

ELBOW, FITTINGS AND ATTACHMENTS (Allow 2 hangers for every 10 feet of LW Busway)



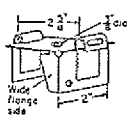
Universal Elbow 2- and 3-wire



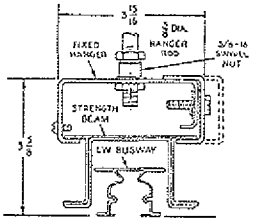
Strength Beams


Rod Hanger (Adjustable)

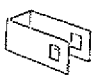

Combination Rod and Cable Hanger



Flush T-bar Hanger



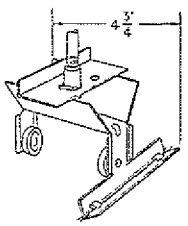
Strength Beam Fixed Hanger


End Cap


Surface Hanger

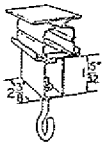

Cross T-Bar Hanger

Parallel T-bar Hanger

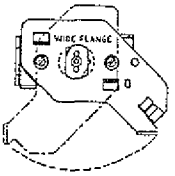


Strength Beams Roller Hanger

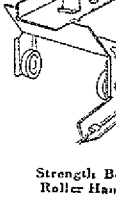

Fixture Hook (Standard)



Fixture Hook (Heavy Duty)



Fixture Clamp


Field Cutting Fixture


Field Cutting Attachments

Lead-in Head

Description	Cat. No.	Each	Std Pkg	Pkg Wt Lbs
Universal Elbow—30A, 2- and 3-pole	LW3L①	$6.80	6	10
Universal Elbow—60A, 2- and 3-pole	LW6L①	12.50	6	10
End Cap	LWEC	1.50	80	7
Strength Beams:				
Standard 10-foot	LWSB	10.50	6	96
Standard 4-foot	LWSB4	5.50	6	54
Hangers:				
Surface	LWSH	.30	320	15
Rod (Adjustable, thd for ⅜" rod)	LWRH	.95	160	13
Comb. Rod & Cable	LWCH	1.20	100	50
T-bar Flush	LWTFH	1.20	25	4
T-bar Parallel (for 1" T-bar)	LWTPH	1.20	25	4
T-bar Cross (for 1" T-bar)	LWTCH	1.20	25	4
Strength Beam, fixed	LWSBF	1.20	25	13
Strength Beam, roller	LWSBR	3.20	30	15
Fixture Supports:				
Standard hook for fluorescent fixtures parallel to LW	LWFH	.65	160	10
Heavy duty hook, single pendant fixture, turn-resistant	LWFHH	1.20	96	20
Clamps for direct attachment of fluorescent fixtures parallel to LW				
Conventional applications	LWFCH	1.80	72	24
LW flush in T-bar ceilings	LWFC	1.80	72	12
Field cutting fixture	LWFCF	12.50	16	4
Field cutting attachment set	LWFCA	3.60	36	9
Lead-in head for roll-in system	LWLH	60.00	1	3
Slot closure, rigid vinyl, package of ten 8-foot lengths	LWSK	24.00	1	5

① Includes electrical connectors.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC BUSWAY

Plug-in, Type LW — 30 and 60 Amperes — 2- and 3-wire

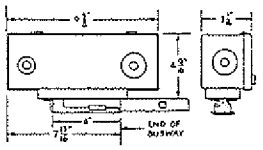
FEED-IN BOXES

(Includes couplings and electrical connectors)

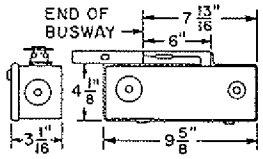
Description	TWO-WIRE 250- or 300-volt				THREE-WIRE 250- or 480Y/277-volt (300-v Max to Ground or Neutral)			
	Cat. No.	Each	Std Pkg	Pkg Wt Lbs	Cat. No.	Each	Std Pkg	Pkg Wt Lbs
END FEED (All end feed boxes can be attached to either end of LW busway runs)								
Overslung—								
30A	LW23TEA	$ 8.50	1	4	LW33TEA	$10.50	1	4
60A	LW26TEA	10.50	1	4	LW36TEA	12.50	1	4
Underslung—								
30A	LW23EB	8.50	1	4	LW33EB	10.50	1	4
60A	LW26EB	10.50	1	4	LW36EB	12.50	1	4
Miniature—								
30A-300V	LW23EM	4.30	32	20	LW33EM	6.00	32	20
CENTER FEED								
Overslung①								
30A	LW23TCA	$12.50	1	4	LW33TCA	$16.00	1	6
60A	LW26TCA	15.50	1	6	LW36TCA	17.50	1	6
Underslung—								
30A	LW23CB	12.50	1	4	LW33CB	16.00	1	6
60A	LW26CB	15.50	1	6	LW36CB	17.50	1	6

① Suitable for use in flush installations in T-bar hung ceilings.

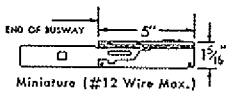
END FEED



Overslung

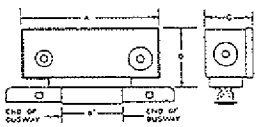


Underslung



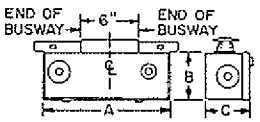
Miniature (#12 Wire Max.)

CENTER FEED



	30A	60A
A	9⅝"	11¹³⁄₁₆"
B	4⅜"	4¹⁵⁄₁₆"
C	3¼"	3¹¹⁄₁₆"

Overslung



	30A	60A
A	9⅝"	11¹³⁄₁₆"
B	4⅛"	4⅝"
C	3⅛"	3¹¹⁄₁₆"

Underslung

PLUGS AND RECEPTACLES

Description	No. Poles	Rating	Bus Bar Contact	Cat. No.	Each	Std Pkg	Pkg Wt Lbs
Terminal Plug only	2	20A-300V	A-N①	LWTPA	$3.90	20	6
	2	20A-300V	B-N①	LWTPB	3.90	20	6
	2	20A-300V, 5A-480V②	A-B	LWTPAB	5.40	20	6
	3	20A-300V, 5A-480V②	A-B-N③	LW3TP	10.50	20	6
Receptacle only	2	15A-125V	A-N①	LWRPA	3.40	40	8
	2	15A-125V	B-N①	LWRPB	3.40	40	8
Terminal and Receptacle	2	15A-125V (Receptacle applications)	A-N①	LWTRPA	5.30	20	6
	2	20A-300V (Terminal applications)	B-N①	LWTRPB	5.30	20	6
Fixture Plug with Kit Adapter and 2 Fixture Clamps	2	20A, 300V	AN	LWFPAK	7.20	40	22
	2	20A, 300V	BN	LWFPBK	7.20	40	22
	3	20A-300V	A-B-N③	LW3FPK	13.30	40	22
Fixture Plug with Kit Adapter and 2 Fixture Clamps For "T" bar ceiling installations only	2	20A, 300V	AN	LWFPATK	7.20	40	22
	2	20A, 300V	BN	LWFPBTK	7.20	40	22
	3	20A, 300V	ABN①	LW3FPTK	13.30	40	22
Fusible Convenience Plug, 2-prong	2	15A-125V a-c (Not polarized)	.....	DFP21	1.00	20	2
Fusible Convenience Plug with Grounding Pin	2	15A-125V a-c (Polarized)	.....	DFP21G	7.30	20	2

① Polarity can be reversed in the field.

② This plug is designed and polarized for 3-wire applications using the "B" conductor of the busway as a continuous ground. Polarity must not be reversed in the field.

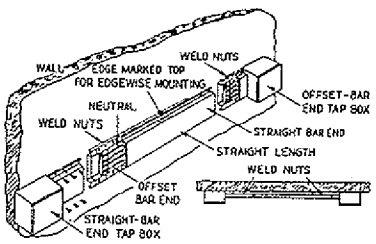
③ Two phases and neutral from 480Y/277-volt systems, maximum 300 volts to ground.

Flex-A-Power® Plug-in and Feeder, Type DH — 100 Amperes, 600 Volts or Less

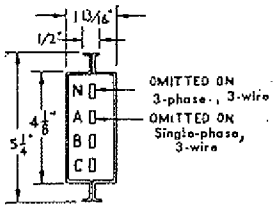
STRAIGHT LENGTHS AND FITTINGS (Order hangers separately)

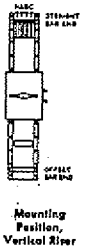
Busway U/L-listed for hanging on 10-foot centers in edgewise or vertical riser position.

BUSWAY WALL INSTALLATION



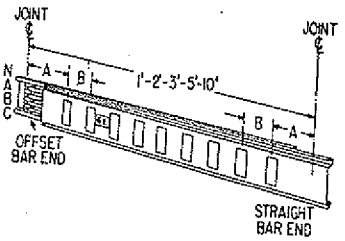
CROSS SECTION FOR ALL SYSTEMS





Mounting Position, Vertical Riser

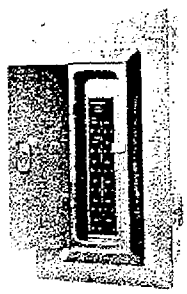
STRAIGHT LENGTHS
Standard Package—2
(One-foot length—4)

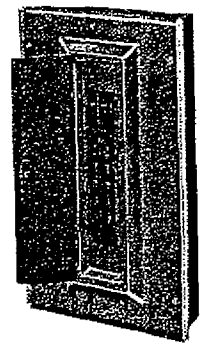


Length (Ft)	1-Phase, 3-wire and 3-wire D-c Cat. No.	Each	3-Phase, 3-wire Cat. No.	Each	3-Phase, 4-wire Cat. No.	Each	Pkg Wt (Lb)	Dimensions (In.) A	B	Plug Outlets ①
10	DH1A31N	$41.00	DH1A31	$41.00	DH1A41	$53.00	52	7	13¼	9
5	DH1A315N	28.00	DH1A315	28.00	DH1A415	34.00	27	7	11½	5
3	DH1A413	27.00	DH1A413	27.00	DH1A413	27.00	17	7	11	3
2	DH1A412	21.00	DH1A412	21.00	DH1A412	21.00	12	7	10	2
1	DH1A411	16.00	DH1A411	16.00	DH1A411	16.00	12	6	....	1

① Number per side. Plugs cannot be mounted back-to-back.

I-T-E PUSHMATIC® LOAD CENTERS





MAIN LUGS

Mains Rating Amperes	Branch Circuits Max. 1 Pole Spaces	Branch Circuits Max. 1 Pole Circuits	Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg.
1 PHASE, 3 WIRE SN				**120/240 VOLT AC**	
INDOOR ENCLOSURE—S-Surface, F-Flush					
40	2	—	PL2F/S	$5.60	28
60	4	8	PL4F/S	8.10	49
100	—	—	PL2AF/S	8.00	8
125	6	12	PL6F/S	8.80	9
125	8	16	PL8F/S	14.00	9
125	6	12	PL6	10.20	12
125	8	16	PL8	15.40	12
125	12	24	PL12	24.00	17
125	14	24	PL14	29.00	18
125	16	24	PL16	31.80	20
125	20	24	PL20	39.60	21
200	12	24	PL12A	37.80	33
200	20	40	PL20A	53.80	44
200	24	40	PL24A	56.40	37
200	28	28	PL28	58.80	35
125	12	12	FPL12	16.40	17
125	16	16	FPL16	23.40	20
125	20	20	FPL20	31.10	21
125	24	24	FPL24	44.00	35
200	4	4	FPL4B	25.00	19
200	8	8	FPL8B	30.00	19
200	28	28	FPL28	51.80	35
200	40	40	FPL40	81.40	41
OUTDOOR ENCLOSURE					
40	2	—	PL2R	12.30	13
60	4	8	PL4R	14.80	13
100	—	—	PL2AR	13.90	13
125	6	12	PL6R	15.60	13
125	8	16	PL8R	25.20	14
125	12	24	PL12R	38.00	29
125	20	24	PL20R	54.00	29
200	12	24	PL12AR	52.00	33
200	24	40	PL24AR	74.40	43
125	12	12	FPL12R	27.00	29
125	20	20	FPL20R	47.00	29
200	4	4	FPL4BR	38.80	19
200	8	8	FPL8BR	44.00	19
3 PHASE, 3 WIRE — OR — 3 PHASE, 4 WIRE SN					
240 VOLT AC				**120/208 VOLT AC**	
INDOOR ENCLOSURE					
50	—	—	P4L3	11.50	12
100	—	—	P4L3A	17.00	
125	12	24	P4L12	38.00	25
125	18	36	P4L18	44.00	30
150	24	42	P4L24A	65.00	36
150	30	42	P4L30A	68.00	41
200	30	42	P4L30B	74.00	42
200	42	42	P4L42A	95.00	52

SPLIT BUS

Mains Rating Amperes	Main Section 60A 2 Pole Lig. Main Assembled	Main Section Max. P2-Type 2 Poles	Lighting Section Max. 1 Pole Spaces	Lighting Section Max. 1 Pole Circuits	Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg. of 1
1 PHASE, 3 WIRE SN						**120/240 VOLT AC**	
INDOOR ENCLOSURE—Combo Front							
125	1	1	4	8	PX104	$23.80	14
125	1	1	6	12	PX106	27.60	14
125	1	1	8	16	PX108	31.00	16
125	1	2	4	8	PX204	27.60	14
125	1	2	6	12	PX206	31.00	
125	1	2	8	16	PX208	33.40	16
125	1	3	6	12	PX306	33.40	
125	1	3	8	14	PX308	36.00	
125	1	4	6	12	PX406	36.00	
125	1	4	10	14	PX410	45.80	19
125	1	5	8	14	PX508	45.80	
125	1	5	12	14	PX512	49.00	35
150	1	3	8	16	PX308C	42.40	36
150	1	4	10	20	PX410C	53.00	40
150	1	5	8	16	PX508C	52.60	40
150	1	5	12	20	PX512C	56.00	37
200	1 (100A)	4	10	20	PX410A	58.60	40
200	1	5	8	16	PX508A	58.60	40
200	1 (100A)	5	12	20	PX512A	65.00	37
200	2	4	16	32	PX416	78.00	35
200	2	4	24	32	PX424	88.00	42
OUTDOOR ENCLOSURE							
125	1	4	10	14	PX410R	60.00	30
125	1	5	12	14	PX512R	63.00	42
150	1	4	10	20	PX410CR	68.00	45
150	1	5	8	16	PX508CR	68.00	45
150	1	5	12	20	PX512CR	74.00	45
200	1 (100A)	4	10	20	PX410AR	74.00	45
200	1	5	8	16	PX508AR	74.00	45
200	1 (100A)	5	12	20	PX512AR	77.00	45

MAIN DISCONNECT

Mains Rating Amperes	Branch Circuits Max. 1 Pole Spaces	Branch Circuits Max. 1 Pole Circuits	Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg. of 1
1 PHASE, 3 WIRE SN				**120/240 VOLT AC**	
INDOOR ENCLOSURE—Combo Front					
100	6	12	PM6	$34.60	13
100	8	16	PM8	39.40	14
100	10	20	PM10	45.40	18
100	12	20	PM12	47.40	19
100	14	20	PM14	48.40	21
100	18	20	PM18	$1.40	22
150	20	30	PQM20	93.00	55
150	24	28	PM24	96.00	36
150	28	30	PQM28	102.00	55
200	20	40	PQM20A	93.00	55
200	24	40	PM24A	97.00	36
200	28	40	PQM28A	113.00	55
200	36	40	PM36	130.00	42
100	12	12	FPM12	38.60	19
100	20	20	FPM20	52.40	36
200	28	28	FPQM28A	104.00	55
200	40	40	FPQM40	134.00	60
OUTDOOR ENCLOSURE					
100	10	20	PM10R	59.40	26
100	12	20	PM12RN	61.40	25
100	18	20	PM18R	64.00	30
200	36	40	PM36R	150.00	45
3 PHASE, 3 WIRE — OR — 3 PHASE, 4 WIRE SN					
240 VOLT AC				**120/208 VOLT AC**	
INDOOR ENCLOSURE—COMPLETE DEVICE					
100	21	30	P4M21	110.00	36
100	27	30	P4M27	117.00	41

INDOOR ENCLOSURE—ORDER COMPONENTS SEPARATELY BY CATALOG NUMBER—INTERIOR, PLUS BOX, PLUS TRIM

Mains Rating Amperes	Branch Circuits Max. 1 Pole Spaces	Branch Circuits Max. 1 Pole Circuits	Complete Assembly List Price	Interior Only Cat. No.	Interior Only List Price	Interior Only Ship. Wt. Lb/Pkg. of 1	Box Only Cat. No.	Box Only List Price	Box Only Ship. Wt. Lb/Pkg. of 1	Trim Only Cat. No. Surface	Trim Only Cat. No. Flush	Trim Only List Price	Trim Only Ship. Wt. Lb/Pkg. of 1
150	24	42	$208.	P4M24	$136.	40	W41KO	$32.	43	WFS41	WFF41	$40.	35
150	30	42	220.	P4M30	140.	43	W47KO	37.	50	WFS47	WFF47	43.	40
150	42	42	238.	P4M42	141.	48	W56KO	44.	62	WFS56	WFF56	53.	51
200	30	42	220.	P4M30A	140.	45	W47KO	37.	50	WFS47	WFF47	43.	40
200	42	42	238.	P4M42A	141.	50	W56KO	44.	62	WFS56	WFF56	53.	51

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

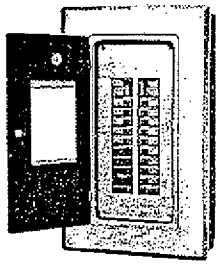
I-T-E EQ® LOAD CENTERS

MAIN LUGS—2–12 CIRCUITS — 50–125 AMPERE

ORDER COMPLETE ASSEMBLY BY CATALOG NUMBER SHOWN

Mains Rating Amperes	Branch Circuits Max.—1 Pole Spaces	Circuits	INDOOR ENCLOSURE Cat. No. Add Suffix S-Surf. F-Flush	List Price	Std. Pkg.	Ship. Wt. Lb/Std. Pkg.	OUTDOOR ENCLOSURE Cat. No.	List Price	Std. Pkg.	Ship. Wt. Lb/Std. Pkg.
1 PHASE, 3 WIRE SN										**120/240 VOLT AC**
50	2	4	EQ 2	$5.60	5	19	WSQ 2	$12.30	5	27
100	4	8	EQ 4	8.10	5	26	WEQ 4	14.80	5	37
125	6	12	EQ 6	10.20	1	12	WEQ 6	15.60	1	13
125	8	16	EQ 8	15.40	1	12	WEQ 8	25.20	1	13
125	12	24	EQ 12	24.00	1	15	WEQ 12	38.80	1	17

TO ORDER INDOOR ENCLOSURE—SPECIFY CATALOG NUMBERS, FOR INTERIOR AND BOX PLUS TRIM

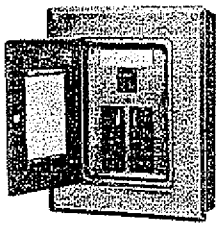


16–42 CIRCUITS — 125-200 AMPERE

Mains Rating Amperes	Branch Circuits Max.—1 Pole Spaces	Circuits	Max. 2 Poles	INDOOR ENCLOSURE List Price Complete Assembly	Interior and Box Only Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg. of 1	Cat. No. Add Prefix SU-Surf. FL-Flush	Trim Only List Price	Ship. Wt. Lb/Std. Pkg. of 1	OUTDOOR ENCLOSURE Complete Assembly Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg. of 1
1 PHASE, 3 WIRE SN													**120/240 VOLT AC**
125	16	24	8	$31.80	EQ 16	$21.80	16	16		9	WEQ 16	$45.60	30
150	12	24	6	31.00	EQ 12A	21.00	15	12B		7	WEQ 12A	44.60	25
150	20	30	10	46.40	EQ 20A	36.40	17	20A		9	WEQ 20A	62.60	30
200	12	24	6	37.80	EQ 12B	27.80	15	12B	$10.	7	WEQ 12B	52.00	25
200	20	40	10	53.80	EQ 20B	43.80	19	20B		10	WEQ 20B	70.00	36
200	24	40	12	56.40	EQ 24B	46.40	19	24B		10	WEQ 24B	74.40	36
200	28	40	14	58.80	EQ 28B	48.80	24	28B		11	WEQ 28B	76.40	46
FULL SIZE BREAKERS ONLY													
125	12	12	6	16.40	FEQ 12	16.40	15	—	—	—	WFEQ 12	27.00	17
125	16	16	8	23.40	FEQ 16	13.40	16	16	10.	9	WFEQ 16	37.60	30
200	28	28	14	51.80	FEQ 28B	41.80	24	28B	10.	11	WFEQ 28B	69.00	46
200	40	40	20	81.40	FEQ 40B	71.40	29	40B		13	WFEQ 40B	106.00	52
3 PHASE, 3 WIRE, 240 VOLT AC—OR—3 PHASE, 4 WIRE SN													**120/208 VOLT AC**
125	12	24	6	38.00	EQ 412	28.00	15	12B		7	WEQ 412	51.00	25
150	18	36	8	54.00	EQ 418A	44.00	16	418A		9	WEQ 418A	78.00	30
150	24	42	12	65.00	EQ 424A	55.00	19	24B		10	WEQ 424B	86.00	36
200	12	24	6	51.20	EQ 412B	41.20	15	12B	10.	7	WEQ 412B	66.00	27
200	18	36	8	66.40	EQ 418B	56.40	16	418B		9	WEQ 418B	78.00	32
200	24	42	12	70.00	EQ 424B	60.00	19	24B		10	WEQ 424B	86.00	36
200	30	42	14	74.00	EQ 430B	64.00	25	430B		12	WEQ 430B	89.00	47
200	42	42	20	95.00	EQ 442B	85.00	29	442B		13	WEQ 442B	120.00	51

SINGLE MAIN

Mains Rating Amperes	BRANCH CIRCUITS Max. 1 Pole Spaces	Cir-cuits	Max. 2 Pole	INDOOR ENCLOSURE List Price Complete Assembly	Interior and Box Only Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg. of 1	Cat. No. Add Prefix SU-Surf. FL-Flush	Trim Only List Price	Ship. Wt. Lb/Std. Pkg. of 1	OUTDOOR ENCLOSURE Complete Assembly Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg. of 1
1 PHASE, 3 WIRE SN													**120/240 VOLT AC**
100	12	20	6	$47.40	EQ 12MB	$37.40	15	12MB		7	WEQ 12MB	$61.40	25
100	16	20	8	49.40	EQ 16MB	39.40	20	16MB		10	WEQ 16MB	63.40	29
125	12	24	6	79.40	EQ 12MBAA	69.40	16	12MB		7	WEQ 12MBAA	96.00	27
125	16	24	8	85.40	EQ 16MBAA	75.40	20	16MB		10	WEQ 16MBAA	98.00	30
125	20	24	10	93.40	EQ 20MBAA	83.40	21	20MB		10	WEQ 20MBAA	109.00	36
150	16	30	8	87.00	EQ 16MBA	77.00	20	16MBA		10	WEQ 16MBA	99.00	35
150	20	30	10	93.00	EQ 20MBA	83.00	21	20MBA		10	WEQ 20MBA	109.00	36
150	24	30	12	96.00	EQ 24MBA	86.00	26	24MBB		11	WEQ 24MBA	126.00	43
150	28	30	14	102.00	EQ 28MBA	92.00	28	28MBB		12	WEQ 28MBA	130.00	48
200	20	40	10	93.00	EQ 20MBB	83.00	21	20MBA	$10.	10	WEQ 20MBB	109.00	36
200	24	40	12	97.00	EQ 24MBB	87.00	26	24MBB		11	WEQ 24MBB	126.00	43
200	28	40	14	113.00	EQ 28MBB	103.00	28	28MBB		12	WEQ 28MBB	136.00	48
100	12	12	6	38.60	FEQ 12MB	28.60	15	12MB		7	WFEQ 12MB	52.40	25
100	16	16	8	43.40	FEQ 16MB	33.40	20	16MB		10	WFEQ 16MB	57.40	29
100	20	20	10	52.40	FEQ 20MB	42.40	21	20MB		10	WFEQ 20MB	66.00	34
200	28	28	14	104.00	FEQ 28MBB	94.00	28	28MBB		12	WFEQ 28MBB	129.00	48
200	40	40	20	133.00	FEQ 40MBB	123.00	32	40MBB		16	WFEQ 40MBB	158.00	57
3 PHASE, 3 WIRE, 240 VOLT AC—OR—3 PHASE, 4 WIRE SN													**120/208 VOLT AC**
150	24	42	12	210.00	EQ 424MBA	200.00	27	424MBA		10	WEQ 424MBA	236.00	47
150	30	42	14	220.00	EQ 430MBA	210.00	30	430MBA	10.	12	WEQ 430MBA	248.00	47
200	30	42	14	220.00	EQ 430MBB	210.00	30	430MBB		12	WEQ 430MBB	248.00	47
200	42	42	20	238.00	EQ 442MBB	228.00	39	442MBB		14	WEQ 442MBB	340.00	58



SPLIT BUS — 1 PHASE, 3 WIRE SN, 120/240 VOLT AC

Mains Rating Amperes	Main Section Max. 2 Poles Ltg. Main	Branch Cir-cuits	Lighting Section Max. 1 Pole Branch Circuits Spaces	Cir-cuits	INDOOR ENCLOSURE List Price Complete Assembly	Box and Interior Only Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg. of 1	Trim Only Cat. No. Add Prefix SU-Surf. FL-Flush	List Price	Ship. Wt. Lb/Std. Pkg. of 1	OUTDOOR ENCLOSURE Complete Assembly Cat. No.	List Price	Ship. Wt. Lb/Std. Pkg. of 1
125	1	2	6	12	$22.90	EQ 2X6	$12.90	14	12B		7	WEQ 2X6	$36.00	26
125	1	3	8	14	27.90	EQ 3X8	17.90	16	16		9	WEQ 3X8	41.00	29
150	1	3	8	14	34.30	EQ 3X8A	24.30	16	16		9	WEQ 3X8A	49.90	29
150	1	5	8	14	44.50	EQ 5X8A	34.50	17	20A		9	WEQ 5X8A	59.90	29
150	2	4	16	26	55.00	EQ 4X16A	45.00	25	28B	$10.	11	WEQ 4X16A	76.90	43
200	1	5	8	14	50.50	EQ 5X8B	40.50	17	20B		10	WEQ 5X8B	65.90	34
200	1	5	12	14	56.90	EQ 5X12B	46.90	19	24B		10	WEQ 5X12B	68.90	35
200	2	4	16	28	61.80	EQ 4X16B	51.80	25	28B		11	WEQ 4X16B	83.80	43
200	2	4	24	28	71.80	EQ 4X24B	61.80	27	4X24B		12	WEQ 4X24B	102.00	45

I-T-E METER CENTERS

MODULAR METERING—GANGABLE

Mains Rating Amperes	INDOOR ENCLOSURE Cat. No.	List Price	Ship. Wt. Lb.	OUTDOOR ENCLOSURE Cat. No.	List Price	Ship. Wt. Lb.
SERVICE ENTRANCE MODULES						
1 PHASE, 3 WIRE SN 120/240 VOLT AC						
FUSIBLE SWITCH MODULE						
200	MPO-2	$99.	40	—	—	—
400 600	MS-4 MS-6	282. 560.	100	WMS-4 WMS-6	$356. 702.	100
CIRCUIT BREAKER MODULE						
400 600 800	MC-4 MC-6 MC-8	520. 790. 1000.	80 100 100	WMC-4 WMC-6 WMC-8	592. 920. 1240.	80 100 100
1000 1200 1600	MC-10 MC-12 MC-16	1400. 1920. —	200 200 300	WMC-10 WMC-12 WMC-16	1670. 2150. —	200 200 300
TAP BOX MODULE						
800	MTB-1	74.	50	WMTB-1	80.	50
3 PHASE, 4 WIRE SN 120/208 VOLT AC						
FUSIBLE SWITCH MODULE						
400 600	MS-44 MS-64	340. 630.	105	WMS-44 WMS-64	430. 860.	105
CIRCUIT BREAKER MODULE						
400 600 800	MC-44 MC-64 MC-84	618. 980. 1290.	90 110 110	WMC-44 WMC-64 WMC-84	710. 1130. 1510.	90 110 110
1000 1200	MC-104 MC-124	1600. 2000.	200	WMC-104 WMC-124	1840. 2370.	200
TAP BOX MODULE						
800	MTB-4	80.	55	WMTB-4	86.	55

METER MODULES

Mains Rating Amperes	Number Meter Sockets	INDOOR ENCLOSURE Cat. No.	List Price	Ship. Wt. Lb.	OUTDOOR ENCLOSURE Cat. No.	List Price	Ship. Wt. Lb.
1 PHASE, 3 WIRE SN							
125-AMPERE 1 PHASE SOCKET 120/240 VOLT AC							
800	3	MM-3	$135.	55	WMM-3	$144.	55
	4	MM-4	180.	70	WMM-4	192.	70
	5	MM-5	225.	85	WJM-5	240.	85
3 PHASE, 4 WIRE SN							
125-AMPERE 1 PHASE SOCKET 120/208 VOLT AC							
800	3	MM-34	144.	60	WMM-34	153.	60
	4	MM-44AB MM-44BC MM-44CA	192.	75	WMM-44AB WMM-44BC WMM-44CA	204.	75

ACCESSORIES

Description	Cat. No.	List Price
MODULAR METERING		
Bussed Elbow, 1Ø 3W	BE-1	$138.00
Bussed Elbow, 3Ø 4W	BE-4	154.00
Modular Extension, 1Ø 3W 33" H x 10" W x 7½" D	MEX-1	55.00
Modular Extension, 3Ø 4W 33" H x 10" W x 7½" D	MEX-4	60.00
MODULAR METERING—UNI-PAK METERING		
Manual By-Pass	MBP	20.00
Automatic Circuit Closer	AC-1	4.00
5th Jaw, 3 or 9 o'clock	MJ-39	1.60
5th Jaw, 6 o'clock	MJ-6	1.60
5th and 6th Insulated Jaw's, 3 and 9 o'clock	MJ-56-39	3.20
Breaker Seal-off (Indoor)	B-2T50	N/C
Cover Plate—Fiber	CP-F	.80
Cover Plate—Glass	CP-G	1.40
Sealing Ring—Screw Type	SR-SW	2.20
VERTI-PLEX/MULTIPLEX METERING		
Meter Socket Cover Plate—Glass	CP-G	$1.40
Meter Socket Cover Plate—Fiber	CP-F	.80
Latch Type Meter Sealing Ring	SR-STD	1.20
Screw Type Meter Sealing Ring	SR-SW	2.20
1Ø 3W, 4-Clip, 100A, Indoor Meter Socket Kit	MAK-S	42.00
1Ø 3W, 4-Clip, 100A, Outdoor Meter Socket Kit	MAK-R-RF	42.00
3Ø 4W, 5-Clip, 100A, Indoor Meter Socket Kit	4MAK-S	42.00
Blank Meter Plate—Indoor	BMP-S	5.50
Blank Meter Plate—Outdoor	BMP-R-RF	5.50

I-T-E UNI-PAK® INDIVIDUAL METERING

No. of 125A 1-Phase Motor Sockets	Line Side Connectors (Cu/Al)	Indoor—Surface Enclosure Cat. No.	List Price	Ship. Wt. Lbs.	Outdoor—Surface Enclosure Cat. No.	List Price	Ship. Wt. Lbs.
1 PHASE, 3 WIRE SN— 120/240 VOLT AC—125A SOCKET							
200 AMPERE MAIN LUGS							
2	1/0–350 MCM	22-PAK	$98.00	52	W22-PAK	$110.00	50
300 AMPERE MAIN LUGS							
3	3/0–500 MCM	33-PAK	126.00	67	W33-PAK	138.00	65
400 AMPERE MAIN LUGS							
4	1—250–750 MCM or 2—1/0–250 MCM	44-PAK	165.00	83	W44-PAK	182.00	90
5		45-PAK	204.00	118	W45-PAK	220.00	115
6		46-PAK	248.00	123	W46-PAK	264.00	120
600 AMPERE MAIN LUGS							
5	2—3/0–500 MCM	65-PAK	220.00	118	W65-PAK	258.00	115
6		66-PAK	264.00	123	W66-PAK	302.00	120

VERTI-PLEX/MULTIPLEX INDIVIDUAL METERING

Main Rating Amperes	Number 100 Amp 1-Phase Meter Sockets	Line Side Connectors Cu/Al	Catalog No.	List Price	Ship. Wt. Lbs.
VERTI-PLEX—100 AMPERE					
SINGLE PHASE, THREE WIRE—120/240 VOLT AC					
OUTDOOR SURFACE ENCLOSURE— Top or Bottom Feed					
400	3	Combination Lug 2—600MCM to #2 Awg. OR 4—250MCM to 1/0 Awg.	43PCXMBS	$138.	106
	4		44PCXMBS	182.	110
	5		45PCXMBS	220.	114
	6		46PCXMBS	264.	118
600	5		65PCXMBS	258.	127
	6		66PCXMBS	302.	131
OUTDOOR SURFACE ENCLOSURE— Underground Feed (P.U.E.S.R.)					
400	3	Combination Lug 2—600MCM to #2 Awg. OR 4—250MCM to 1/0 Awg.	U43PCXMBS	143.	126
	4		U44PCXMBS	187.	130
	5		U45PCXMBS	231.	134
	6		U46PCXMBS	275.	138
600	5		U65PCXMBS	270.	147
	6		U66PCXMBS	314.	151
OUTDOOR SEMI-FLUSH ENCLOSURE— Top or Bottom Feed					
400	3	Combination Lug 2—600MCM to #2 Awg. OR 4—250MCM to 1/0 Awg.	43PCXMBF	154.	109
	4		44PCXMBF	204.	113
	5		45PCXMBF	242.	117
	6		46PCXMBF	286.	121
600	5		65PCXMBF	286.	130
	6		66PCXMBF	330.	134
OUTDOOR SEMI-FLUSH ENCLOSURE— Underground Feed (P.U.E.S.R.)					
400	3	Combination Lug 2—600MCM to #2 Awg. OR 4—250MCM to 1/0 Awg.	U43PCXMBF	160.	129
	4		U44PCXMBF	209.	133
	5		U45PCXMBF	253.	137
	6		U46PCXMBF	297.	141
600	5		U65PCXMBF	297.	150
	6		U66PCXMBF	341.	154

MULTIPLEX– 125, 200 AMPERE

Mains Rating Amperes	1-Phase Meter Sockets Amperes	Number	Line-Side Connectors Number	Size-MCM (Cu or Al)	Cat. No.	List Price	Ship. Wt. Lb.
OUTDOOR SEMI-FLUSH ENCLOSURE Individual Units Only							
SINGLE PHASE, THREE WIRE—120/240 VOLT AC							
225	125	2	1	250	2B2QMC125RF	$259.	71
225		3		250	2B3QMC125RF	369.	92
400		3		500	4B3QMC125RF	380.	95
225	200	2	1	250	2B2QMC200RF	369.	81
400		2		500	4B2QMC200RF	380.	102
400		3		500	4B3QMC200RF	490.	105

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

I-T-E NORMAL-DUTY CIRCUIT BREAKERS

FOR USE IN LOAD CENTERS, METER CENTERS AND PANELBOARDS

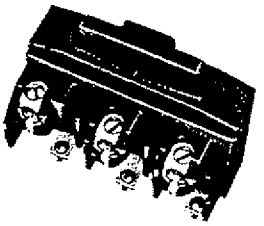
PUSHMATIC BREAKERS

5,000 AMPERES I.C. 120/240 VOLT AC

Rating Amperes	Cat. No.	List Price	Shipping Package: No. of Breakers	Shipping Package: List Price	Shipping Package: Weight Pounds
1 POLE—SINGLE*					
15**	P115	$3.50	100	$350.00	27
20**	P120				
25	P125		20	70.00	7
30	P130				
40	P140				
50	P150				
DUPLEX					
15–15	P1515	7.00	20	140.00	7
15–20	P1520				
20–20	P2020				
DOUBLE DUPLEX†					
15–30	P1530-2	14.00	10	140.00	7
15–40	P1540-2				
20–30	P2030-2				
20–40	P2040-2				
30–30	P3030-2				
30–40	P3040-2				
40–40	P4040-2				
2 POLE†† P2-TYPE†					
15	P215	8.10	10	81.00	8
20	P220				
25	P225				
30	P230				
40	P240				
50	P250				
60	P260				
70	P270	16.40		164.00	
90	P290	22.20		222.00	
100	P2100	22.20		222.00	
WATER HEATER—2 POLE†† P2-TYPE†					
15	P215WH	8.70	10	87.00	7
20	P220WH				
30	P230WH				
40	P240W4	9.50		95.00	
50	P250W4				
GAS STATION—2 WIRE†† P2-TYPE†					
15	P215GS	10.90	10	109.00	7
20	P220GS				
2 POLE†† P4-TYPE					
15	P4215	8.10	9	72.90	8
20	P4220				
30	P4230				
40	P4240				
50	P4250				
60	P4260				
70	P4270	16.40		147.60	
90	P4290	22.20		199.80	
100	P42100	22.20		199.80	



2-Pole Pushmatic, P2-Type



3-Pole Pushmatic, P4-Type

PUSHMATIC BREAKERS— 10,000 AMPERES I.C.

Rating Amperes	Cat. No.	List Price	Shipping Package: No. of Breakers	Shipping Package: List Price	Shipping Package: Weight Pounds
1 POLE—SINGLE♦					**120/240 VOLT AC**
15	P115A	$7.00	20	$140.00	7
20	P120A				
30	P130A	7.90		158.00	
40	P140A				
50	P150A				
2 POLE†† P2-TYPE†♦					**240 VOLT AC**
15	P215A	16.90	10	169.00	8
20	P220A				
30	P230A				
40	P240A				
50	P250A				
60	P260A				
70	P270A	26.50		265.00	
90	P290A	40.00		400.00	
100	P2100A	40.00		400.00	
3 POLE†† P4-TYPE					**240 VOLT AC**
15	P4315	28.00	6	168.00	8
20	P4320				
30	P4330				
40	P4340				
50	P4350				
60	P4360				
70	P4370	35.50		213.00	
90	P4390	40.00		240.00	
100	P43100	40.00		240.00	

* For ambient-compensated breakers, add $1.00 list each.

** High-magnetic dimmer breakers available.

† May only be used in 1-phase, 3-wire load centers.

†† Common trip.

♦ 10,000A I.C. All other breakers 5,000A I.C.

Lugs suitable for use with Copper or Aluminum Conductors.

Specifications—UL—Listed under File #E10848.

Federal—Specification W-P-131a, Class A or B (Duplex—Class A only), and W-C-375a, Class 1a or 1b.

QP, EQ-B BREAKERS

5,000 AMPERES I.C.

Rating Amperes	EQ-P PLUG-IN: Cat. No.	EQ-P PLUG-IN: List Price	EQ-B BOLTED: Cat. No.	EQ-B BOLTED: List Price
1 POLE				**120/240 VOLT AC**
15	QP1-B015	$3.50	BQ1-B015	$4.30
20	QP1-B020		BQ1-B020	
30	QP1-B030		BQ1-B030	
40	QP1-B040		BQ1-B040	
50	QP1-B050		BQ1-B050	
2 POLE*				**120/240 VOLT AC**
15	QP2-B015	8.10	BQ2-B015	9.50
20	QP2-B020		BQ2-B020	
30	QP2-B030		BQ2-B030	
40	QP2-B040		BQ2-B040	
50	QP2-B050		BQ2-B050	
60	QP2-B060		BQ2-B060	
70	QP2-B070	16.40	BQ2-B070	18.00
90	QP2-B090	22.20	BQ2-B090	24.50
100	QP2-B100	22.20	BQ2-B100	24.50
125†	QP2-B125†	51.00	—	—
2 POLE*‡ (Use 10,000A I.C. Breakers)				**240 VOLT AC**
3 POLE*‡ (Use 10,000A I.C. Breakers)				**240 VOLT AC**
GAS STATION, 2 WIRE*				**120/240 VOLT AC**
15	QG2-B015	10.90	BG2-B015	—
20	QG2-B020		BG2-B020	
30	QG2-B030		—	
GAS STATION, 3 WIRE*				**120/240 VOLT AC**
15	QG3-B015	16.20	Not Available	
20	QG3-B020			

QP, EQ-B BREAKERS

10,000 AMPERES I.C.

Rating Amperes	EQ-P PLUG-IN: Cat. No.	EQ-P PLUG-IN: List Price	EQ-B BOLTED: Cat. No.	EQ-B BOLTED: List Price
1 POLE				**120/240 VOLT AC**
15	QP1-B015L	$7.00	BQ1-B015L	$7.50
20	QP1-B020L		BQ1-B020L	
30	QP1-B030L	7.90	BQ1-B030L	8.50
40	QP1-B040L		BQ1-B040L	
50	QP1-B050L		BQ1-B050L	
2 POLE*‡				**240 VOLT AC**
15	QP2-H015	16.90	BQ2-H015	24.50
20	QP2-H020		BQ2-H020	
30	QP2-H030		BQ2-H030	
40	QP2-H040		BQ2-H040	
50	QP2-H050		BQ2-H050	
60	QP2-H060		BQ2-H060	
70	QP2-H070	26.50	BQ2-H070	24.50
90	QP2-H090	40.00	BQ2-H090	28.00
100	QP2-H100	40.00	BQ2-H100	28.00
3 POLE*‡				**240 VOLT AC**
15	QP3-B015	28.00	BQ3-B015	30.50
20	QP3-B020		BQ3-B020	
30	QP3-B030		BQ3-B030	
40	QP3-B040		BQ3-B040	
50	QP3-B050		BQ3-B050	
60	QP3-B060		BQ3-B060	
70	QP3-B070	35.50	BQ3-B070	38.50
90	QP3-B090	40.00	BQ3-B090	45.00
100	QP3-B100	40.00	BQ3-B100	45.00
DELTA♦, 3 POLE*				**240 VOLT AC**
15	QD3-B015	28.00	Not Available	
20	QD3-B020			
30	QD3-B030			
40	QD3-B040			
50	QD3-B050			

HQ, HB BREAKERS

65,000 AMPERES I.C.

(Main Lug Panels Only)

Rating Amperes	HQ PLUG-IN: Cat. No.	HQ PLUG-IN: List Price	HB BOLTED: Cat. No.	HB BOLTED: List Price
1 POLE				**120/240 VOLT AC**
15	HQ1-B015	$12.50	HB1-B015	$14.00
20	HQ1-B020		HB1-B020	
30	HQ1-B030		HB1-B030	
40	HQ1-B040	15.50	HB1-B040	16.80
50	HQ1-B050		HB1-B050	
2 POLE*				**120/240 VOLT AC**
15	HQ2-B015	31.50	HB2-B015	35.00
20	HQ2-B020		HB2-B020	
30	HQ2-B030		HB2-B030	
40	HQ2-B040	38.00	HB2-B040	41.00
50	HQ2-B050		HB2-B050	
60	HQ2-B060		HB2-B060	
70	HQ2-B070	62.00	HB2-B070	69.00
90	HQ2-B090	75.00	HB2-B090	78.00
100	HQ2-B100	75.00	HB2-B100	78.00
3 POLE*‡				**240 VOLT AC**
15	HQ3-B015	56.00	HB3-B015	61.00
20	HQ3-B020		HB3-B020	
30	HQ3-B030		HB3-B030	
40	HQ3-B040	67.00	HB3-B040	72.00
50	HQ3-B050		HB3-B050	
60	HQ3-B060		HB3-B060	
70	HQ3-B070	71.00	HB3-B070	78.00
90	HQ3-B090	80.00	HB3-B090	90.00
100	HQ3-B100	80.00	HB3-B100	90.00

* Common trip.

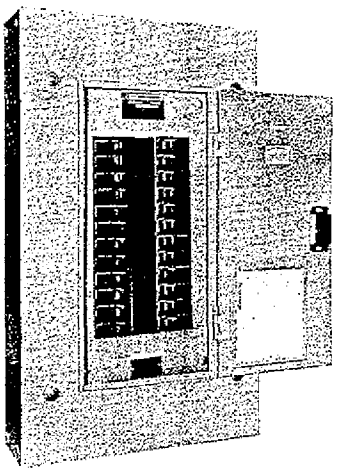
† 10,000A I.C.

‡ Suitable for 3-phase, 3 wire systems.

♦ For use on 1Ø 3W Panels supplying 3Ø loads. Require four 1 Pole spaces.

I-T-E CIRCUIT BREAKER PANELBOARDS

LPP PLUG-IN—UNASSEMBLED
LPB BOLTED—UNASSEMBLED
600 AMPERE MAINS MAX. 240 VOLTS AC
MAX. BRANCH: LPP-125A, LPB-100A
(Branch Breakers Not Included)



PANELBOARDS: Listed by Underwriters' Laboratories, Inc., under "Panel Base Assemblies" File #E25010. Meet Federal Specification W-P-115a dated January 7, 1963, for Type I, Class 1.

SERVICE: 240 VOLT AC Maximum. 1 Phase, 2 Wire; 1 Phase, 3 Wire; 3 Phase, 3 Wire; 3 Phase, 4 Wire; or 3 Phase, 3 Wire Grounded B Phase.

MAINS: Main Lug Panels

Rating Amperes	Connectors Suitable for Cu or Al
100, 125 225	1—#12-#1/0 Awg 1—#6 Awg—350 MCM
400	1—#4 Awg—600 MCM 2—#6 Awg—250 MCM
600	2—#4 Awg—600 MCM

Main Breaker Panels

Rating Amperes	Breaker Frame 10,000A I.C. Max.*	Connectors Suitable for Cu or Al
50, 100 225	E QJ	1—#12-#1/0 Awg 1—#6 Awg—300 MCM

* Use only 5,000 or 10,000A I.C. EQ-P or EQ-B Branch Breakers.

BRANCH BREAKERS: LPP panels take EQ-P plug-in breakers; LPB, EQ-B bolted. Both are rated 5,000 and 10,000 amperes symmetrical interrupting capacity based on NEMA and Underwriters' test procedures. HQ plug-in and HB bolted breakers rated 65,000 amperes are also available for use in Main Lug Panels. Breakers meet Federal Specification W-C-375a dated February 18, 1965, for Class 1 Circuit breakers.

BOXES: 50–225A—15" Wide, 4¾" Deep. 400A, 600A—20" Wide, 5¾" Deep.

GUTTERS*: 50–225A—4" Sides, 5¾" Top and Bottom Main Lug Panels. 400A, 600A—8" Top and Bottom, 6½" Sides.

* Minimum gutters.

ACCESSORIES

Description	Cat. No.	List Price
2-Pole Tie Handle	QTH-2	$.30
Handle Block Lock-Off Device	QL-1	.40
Padlocking Device 1, 2, or 3 Pole	QLD-3	1.00
Filler Plate	QF-1	.30
Sub-Feed Lug Kit—100A.‡	EQ-100SF	21.00
Sub-Feed Lug Kit—225A.‡	EQ-225SF	22.00

Mains	Max. No. of Poles	COMPLETE ENCLOSURE—Less Breakers LPP	LPB	List Price	Ship. Wt. Complete / Lb.	BOX ONLY Cat. No.	List Price	Height	Ship. Wt. Box / Lb.	FRONT ONLY Cat. No. Surface	Cat. No. Flush	List Price	Ship. Wt. Front / Lb.
MAIN LUG PANELS LPP-3L; LPB-3L													120/240 VOLTS AC
100	12	LPP12-3L	LPB12-3L	$99.	38	B23	$24.	23	17	BS23	BF23	$32.	12
	20	LPP20-3L	LPB20-3L	118.	44	B26	25.	26	20	BS26	BF26	33.	14
225	24	LPP24-3L	LPB24-3L	131.	54	B29	26.	29	21	BS29	BF29	34.	16
	30	LPP30-3L	LPB30-3L	143.	59	B32	28.	32	23	BS32	BF32	35.	17
	36	LPP36-3L	LPB36-3L	154.	68	B35	29.	35	25	BS35	BF35	38.	18
	42	LPP42-3L	LPB42-3L	166.	80	B38	30.	38	30	BS38	BF38	39.	19
400♦	30	LPP4330-L	LPB4330-L	205.	118	20C41	32.	41	51	20S41	20F41	73.	32
	42	LPP4342-L	LPB4342-L	227.	133	20C47	36.	47	56	20S47	20F47	80.	35
600♦	30	LPP6330-L	LPB6330-L	252.	128	20C41	32.	41	51	20S41	20F41	73.	32
	42	LPP6342-L	LPB6342-L	278.	138	20C47	36.	47	56	20S47	20F47	80.	35
MAIN LUG PANELS LPP-4L; LPB-4L													120/208 VOLTS AC
100	12	LPP12-4L	LPB12-4L	112.	40	B23	24.	23	17	BS23	BF23	32.	12
	20	LPP20-4L	LPB20-4L	131.	46	B26	25.	26	20	BS26	BF26	33.	14
	24	LPP24-4L	LPB24-4L	139.	51	B29	26.	29	21	BS29	BF29	34.	16
225	30	LPP30-4L	LPB30-4L	159.	60	B32	28.	32	23	BS32	BF32	35.	17
	36	LPP36-4L	LPB36-4L	171.	69	B35	29.	35	25	BS35	BF35	38.	18
	42	LPP42-4L	LPB42-4L	182.	81	B38	30.	38	30	BS38	BF38	39.	19
400♦	30	LPP4430-L	LPB4430-L	226.	121	20C41	32.	41	51	20S41	20F41	73.	32
	42	LPP4442-L	LPB4442-L	249.	136	20C47	36.	47	56	20S47	20F47	80.	35
600♦	30	LPP6430-L	LPB6430-L	272.	126	20C41	32.	41	51	20S41	20F41	73.	32
	42	LPP6442-L	LPB6442-L	298.	141	20C47	36.	47	56	20S47	20F47	80.	35
MAIN BREAKER PANELS LPP-3AB; LPB-3AB‡**													120/240 VOLTS AC
100	12	LPP12-3AB	LPB12-3AB	166.	47	B26	25.	26	20	BS26	BF26	33.	14
100	20	LPP20-3AB	LPB20-3AB	185.	53	B32	28.	32	23	BS32	BF32	35.	17
225	30	LPP30-3AB	LPB30-3AB	391.	76	B38	30.	38	30	BS38	BF38	39.	19
225	42	LPP42-3AB	LPB42-3AB	413.	98	B44	32.	44	40	BS44	BF44	41.	35
MAIN BREAKER PANELS LPP-4AB; LPB-4AB‡**													120/208 VOLTS AC
50	12	LPP12-4AB	LPB12-4AB	173.	48	B26	25.	26	20	BS26	BF26	33.	14
100	20	LPP20-4AB	LPB20-4AB	219.	55	B32	28.	32	23	BS32	BF32	35.	17
100	30	LPP30-4AB	LPB30-4AB	238.	73	B35	29.	35	25	BS35	BF35	38.	18
225	42	LPP42-4AB	LPB42-4AB	489.	101	B44	32.	44	40	BS44	BF44	41.	35

‡ This Main Breaker installed and included in list price.

** Use 5,000 and 10,000 Ampere I.C. breaker only.

Price breakers from opposite page. No modifications are available for LPP and LPB Unassembled panelboards other than the accessories listed on page

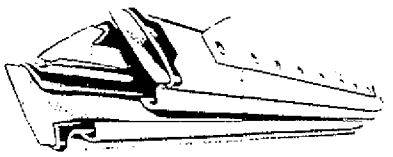
♦ Raintight enclosures are available for 400 and 600 Ampere 1Ø and 3Ø LPP-LPB panelboards. For 30 pole use enclosure Cat. Number W30D $130 List Price weight 70 lbs. For 42 pole use enclosure Cat. Number W42D $140 List Price weight 80 lbs. For complete price deduct the box only and front only prices from the complete enclosure—less breaker price and add for the weatherlight enclosure.

Dimensions—W30D H—40½" W—20" D—8"
—W42D H—46½" W—20" D—8"

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

I-T-E TROLLEY-DUCT SYSTEMS

UNIVERSAL LIGHTING DUCT



250 VOLT—2 WIRE — 20, 50 AMPERE

Description	Cat. No.	List Price	Std. Pkg.	Ship. Wgt. Lb/Std. Pkg.
Ⓐ DUCT SECTIONS				
20 Ampere—10 ft	D2210	$14.00	10	50
20 Ampere— 5 ft	D2205	8.00		25
50 Ampere—10 ft	D710	17.00		60
50 Ampere— 5 ft	D705	9.00		30
Ⓑ COUPLING				
Plain	C710	2.60	10	5
Trolley Entrance	TC711	7.00	20	18
Ⓒ FEED-IN DEVICES				
End Cap	PEF250	4.60	5	2½
Center Box	FCB712	14.00	6	24
End Box	EFB712	9.00	6	21
Ⓓ END CAP				
Standard	TEC710	1.70	10	3
Ⓔ HANGERS				
Messenger Cable (1¼" Hooks)	H210-2	.60	50	6¼
Messenger Cable (3¼" Hooks)	H210-4	.60	50	9
Messenger Cable Rod	H210-31	.35	100	12
Standard Surface	H710-0	.35	100	4½
Rod	H711	.60	50	4½
Ⓕ TWISTOUT PLUGS				
Terminal	TPG712	3.30	10	3
Receptacle w/o Cord Clamp, for 3 Blade Equipment Grounding Cap—125V	RPG723	3.30		2
Cord Clamp (For use with RPG723 Receptacle)	CC700	.60		1
Ⓖ TROLLEYS				
Terminal	TTG712	6.40	10	3½
Heavy Duty	TTG714**	17.00	1	½
Ⓗ OUTLET BOXES—Twistout or Trolley				
Basic Twistout Device—Outlet Box with Side Contacts	PB-3S	7.40	5	10
Basic Trolley Device—Trolley with Side Contacts	TB-P	9.50		
BASIC DEVICES WITH FACTORY ASSEMBLED ACCESSORIES				
Twistout with Receptacle	PB3R-3S	14.00	5	10
Trolley with Receptacle	TB3R-P	16.00		
Twistout with 6.25 amp. max. Fustat	PB6F-3S	14.00	5	10
Trolley with 6.25 amp. max. Fustat	TB6F-P	16.00		
Twistout with 15 amp. max. Fustat	PB15F-3S	14.50	5	10
Trolley with 15 amp. max. Fustat	TB15F-P	16.50		
Twistout with 20 amp. max. Fustat	PB20F-3S	15.00	5	10
Trolley with 20 amp. max. Fustat	TB20F-P	17.00		
Twistout with 15A 1P Pushmatic Breaker	PB15P-3S	22.00	5	10
Trolley with 15A 1P Pushmatic Breaker	TB15P-P	24.50		
Twistout with 20A 1P Pushmatic Breaker	PB20P-3S	23.50	5	10
Trolley with 20A 1P Pushmatic Breaker	TB20P-P	25.50		
Twistout with 6.25 amp. max. Fustat and Receptacle	PB6F3R-3S	20.00	5	10
Trolley with 6.25 amp. max. Fustat and Receptacle	TB6F3R-P	22.00		
Twistout with 15 amp. max. Fustat Receptacle	PB15F3R-3S	20.50	5	10
Trolley with 15 amp. max. Fustat and Receptacle	TB15F3R-P	23.00		
Twistout with 15 amp. max. Pushmatic and Receptacle	PB15P3R-3S	21.00	5	10
Trolley with 15 amp. max. Pushmatic and Receptacle	TB15P3R-P	23.50		
Ⓙ FIXTURE AND WEIGHT SUPPORTS				
Standard Quick Fixture Hanger	FH700	1.90	100	30
Feed-In Quick Fixture Hanger—Side Contact	FPH720S	5.70	100	30
Heavy Duty Weight Support	WS710B	.60	50	3½
Special Weight Support	WS710BX	1.10	50	3½
Ⓚ RECEPTACLE (For TTG712 or TPG712)				
3-Prong Grounding	RP700	1.90	20	3
Ⓛ SLOT CLOSER				
Standard Rubber	SC710	.10/ft	200ft	10
Ⓜ ACCESSORIES				
Pushmatic Breaker Floor Operator	BA-PFO	6.40	20	10

* Application—One 125V lighting circuit or one 250V 1-phase power circuit.

** Not UL Listed.

Basic Devices with Fustat do not include fuses.

*** Two required per 10' section supported on 5' centers.

125/250 VOLT—1 PHASE, 3 WIRE — 50 AMPERE

Description	Cat. No.	List Price	Std. Pkg.	Ship. Wgt. Lb/Std. Pkg.
Ⓐ DUCT SECTIONS				
10 ft	D710-3	$25.00	8	67
5 ft	D705-3	17.00		34
Ⓑ COUPLING				
Plain	C710-3	3.90	10	5
Ⓒ FEED-IN DEVICES				
Center Box	FCB712-3	18.00	6	24
End Box	EFB712-3	13.50		22
Ⓓ END CAP				
Standard	TEC710	1.70	10	3
Ⓔ HANGERS* **				
Messenger Cable Rod	H210-31	.35	100	12
Standard Surface	H710-03	.35	50	3
Messenger Cable (1¼" Hooks)	H710-23	.60	50	7
Messenger Cable (3¼" Hooks)	H710-43	.60	50	9
Rod	H711-3	.60	50	5
Ⓕ TWISTOUT PLUGS				
Terminal—Top Contact w/Cord Clamp	TPG712-3T	4.00	5	2
Terminal—Side Contact w/Cord Clamp	TPG712-3S	4.00		
Terminal—Top Contact w/Cord Clamp 250V	TPG722-3T	4.50		
Receptacle—Side Contact w/o Cord Clamp, for 3-Blade Equipment Grounding Cap—125V	RPG723-3S	4.00		
Receptacle—Top Contact w/o Cord Clamp, for 3-Blade Equipment Grounding Cap—125V	RPG723-3T			
Cord Clamp (For use with RPG713-3T, RPG713-3S, RPG723-3T and RPG723-3S Receptacles)	CC700	.60	10	1
Ⓗ OUTLET BOXES—Twistout				
Basic Twistout Device—Outlet Box with Side Contacts	PB-3S	7.40	5	10
Basic Twistout Device—Outlet Box with Top Contacts	PB-3T	7.40		
BASIC DEVICES WITH FACTORY ASSEMBLED ACCESSORIES				
Twistout with Receptacle—side	PB3R-3S	14.00	5	10
Twistout with Receptacle—top	PB3R-3T	14.00		
Twistout with 6.25 amp. max. Fustat—side	PB6F-3S	14.00	5	10
Twistout with 6.25 amp. max. Fustat—top	PB6F-3T	14.00		
Twistout with 15 amp. max. Fustat—side	PB15F-3S	14.50	5	10
Twistout with 15 amp. max. Fustat—top	PB15F-3T	14.50		
Twistout with 20 amp. max. Fustat—side	PB20F-3S	15.00	5	10
Twistout with 20 amp. max. Fustat—top	PB20F-3T	15.00		
Twistout with 15A 1P Pushmatic Breaker—side	PB15P-3S	22.00	5	10
Twistout with 15A 1P Pushmatic Breaker—top	PB15P-3T	22.00		
Twistout with 20A 1P Pushmatic Breaker—side	PB20P-3S	23.50	5	10
Twistout with 20A 1P Pushmatic Breaker—top	PB20P-3T	23.50		
Twistout with 6.25 amp. max. Fustat and Receptacle—side	PB6F3R-3S	20.00	5	10
Twistout with 6.25 amp. max. Fustat and Receptacle—top	PB6F3R-3T	20.00		
Twistout with 15 amp. max. Fustat and Receptacle—side	PB15F3R-3S	20.50	5	10
Twistout with 15 amp. max. Fustat and Receptacle—top	PB15F3R-3T	20.50		
Twistout with 15 amp. max. Pushmatic and Receptacle	PB15P3R-3S	30.00	5	10
Twistout with 15 amp. max. Pushmatic and Receptacle	PB15P3R-3T	30.00		
Twistout—Side Contact	PBG711-3S	7.50	5	6
Twistout—Top Contact	PBG711-3T			
Ⓙ FIXTURE AND WEIGHT SUPPORTS				
Standard Quick Fixture Hanger	FH700	1.90	100	30
Feed-In Quick Fixture Hanger—Side Contact	PFH720S	5.70	100	30
Feed-In Quick Fixture Hanger—Top Contact	FPH720T	5.70	100	30
Heavy Duty Weight Support	WS710B	.60	50	3½
Special Weight Support	WS710BX	1.10	50	3½
Ⓚ RECEPTACLE (For Use With TPG712-3T, TPG712-3S Plugs)				
3-Prong Grounding	RP700	1.90	20	3
Ⓛ SLOT CLOSER				
Standard Rubber	SC710	.10	200ft	10
Ⓜ ACCESSORIES				
Pushmatic Breaker Floor Operator	BA-PFO	6.40	20	10

* Application—One 125V lighting circuit and one 125V night lighting circuit, or two 125V circuits.

** Not UL Listed.

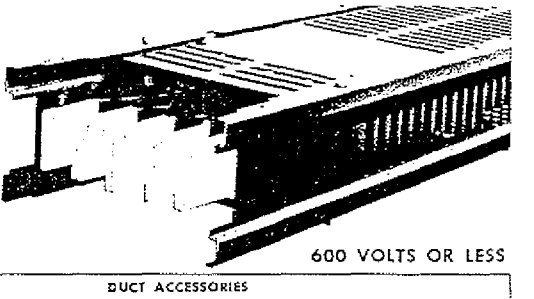
Trolleys—Not available for 3-wire duct.

Basic Devices with Fustat do not include fuses.

*** Two required per 10' section on 5' centers.

I-T-E XL®-UNIVERSAL BUS DUCT

ALUMINUM BUS BARS—FEEDER OR PLUG-IN



NON-VENTILATED—225-600 AMPERES

600 VOLTS OR LESS

Capacity Amperes	Basic Cat. No.†	DUCT FOOTAGE**				DUCT ACCESSORIES							
		Feeder* Cat. No. Suffix-BF	With Ground Bus			90° Elbow	Tee	Cross	Switchboard Termination‡	End Closer		End Tap Box	
		Plug-in Cat. No. Suffix-BP	Cat. No. Suffix-G			Cat. No. Suffix-BL	Cat. No. Suffix-BT	Cat. No. Suffix-BX	Cat. No. Suffix-BS	Complete Device		Cat. No. Suffix-BB	
		List Price Per Ft	List Price Addor Per Ft	Case Dimensions Inches*	Ship. Wgt. Lb/Ft*	Complete Device List Price	Complete Device List Price	Complete Device List Price	List Price	Cat. No.	List Price	Box Only List Price	Complete Device List Price
3 POLE													
225	U302A	$15.00	$3.00	4½ x 10	8	$174.	$221.	$304.	$158.	UE145	$22.00	$125.	$148.
400	U304A	20.00	4.00	4½ x 10	9	184.	236.	324.	175.	UE145	22.00		153.
600	U306A	25.00	6.00	5½ x 10	10	194.	251.	344.	198.	UE155	27.00		158.
3 PHASE, 4 WIRE—FULL-CAPACITY NEUTRAL													
225	U502A	19.00	3.00	4½ x 10	8	214.	301.	364.	205.	UE145	22.00	135.	162.
400	U504A	28.00	4.00	4½ x 10	10	232.	328.	400.	224.	UE145	22.00		171.
600	U506A	38.00	6.00	5½ x 10	11	252.	358.	410.	240.	UE155	27.00		181.

VENTILATED—800-5000 AMPERES

600 VOLTS OR LESS

Capacity Amperes	Basic Cat. No.†	DUCT FOOTAGE				DUCT ACCESSORIES							
		Feeder* Cat. No. Suffix-VF	With Ground Bus			90° Elbow	Tee	Cross	Switchboard Termination‡	End Closer		End Tap Box	
		Plug-in Cat. No. Suffix-VP	Cat. No. Suffix-G			Cat. No. Suffix-VL	Cat. No. Suffix-VT	Cat. No. Suffix-VX	Cat. No. Suffix-VS	Complete Device		Cat. No. Suffix-VB	
		List Price Per Ft	List Price Addor Per Ft	Case Dimensions Inches*	Ship. Wgt. Lb/Ft*	Complete Device List Price	Complete Device List Price	Complete Device List Price	List Price	Cat. No.	List Price	Box Only List Price	Complete Device List Price
3 POLE													
800	U308A	$35.00	$4.00	4½ x 10	9	$214.	$281.	$364.	$307.	UE145	$22.00	$170.	$215.
1000	U310A	40.00	4.00	4½ x 10	10	232.	296.	404.	350.	UE145	22.00		217.
1200	U312A	53.00	5.00	5½ x 10	11	250.	335.	456.	382.	UE155	27.00		233.
1350	U313A	62.00	6.00	5½ x 10	12	268.	362.	492.	408.	UE155	27.00		269.
1600	U316A	76.00	7.00	7½ x 10	15	296.	404.	548.	466.	UE175	32.00	290.	383.
2000	U320A	90.00	8.00	7½ x 10	17	324.	446.	604.	541.	UE175	32.00		397.
2500	U325A	110.00	15.00	9½ x 10	21	364.	506.	684.	641.	UE195	44.00		417.
3000	U330A	126.00	7.00	7½ x 20⅝	31	428.	622.	792.	737.	UE275	53.00	450.	603.
4000	U340A	172.00	13.00	9½ x 20⅝	39	484.	760.	976.	933.	UE295	64.00		649.
5000	U350A	217.00	15.00	9½ x 20⅝	43	610.	895.	1156.	1050.	UE295	64.00		717.
3 PHASE, 4 WIRE—HALF-CAPACITY NEUTRAL													
800	U408A	40.00	4.00	4½ x 10	9	256.	364.	448.	339.	UE145	22.00	175.	226.
1000	U410A	52.00	4.00	4½ x 10	10	280.	400.	493.	382.	UE145	22.00		238.
1200	U412A	63.00	5.00	5½ x 10	12	302.	433.	537.	413.	UE155	27.00		249.
1350	U413A	74.00	6.00	5½ x 10	13	324.	466.	581.	445.	UE155	27.00		260.
1600	U416A	87.00	7.00	7½ x 10	15	350.	505.	633.	514.	UE175	32.00	300.	405.
2000	U420A	110.00	8.00	7½ x 10	18	396.	574.	725.	583.	UE175	32.00		428.
2500	U425A	134.00	15.00	9½ x 10	23	444.	646.	821.	700.	UE195	44.00		452.
3000	U430A	157.00	7.00	7½ x 20⅝	33	548.	759.	967.	795.	UE275	53.00	480.	666.
4000	U440A	208.00	13.00	9½ x 20⅝	42	660.	912.	1171.	1010.	UE295	64.00		717.
5000	U450A	270.00	15.00	9½ x 20⅝	46	784.	1098.	1419.	1170.	UE295	64.00		779.
3 PHASE, 4 WIRE—FULL-CAPACITY NEUTRAL													
800	U508A	49.00	4.00	4½ x 10	10	274.	391.	484.	371.	UE145	22.00	180.	240.
1000	U510A	57.00	4.00	4½ x 10	11	290.	415.	516.	419.	UE145	22.00		248.
1200	U512A	73.00	5.00	5½ x 10	13	322.	463.	580.	466.	UE155	27.00		264.
1350	U513A	83.00	6.00	5½ x 10	14	340.	490.	616.	514.	UE155	27.00		273.
1600	U516A	100.00	7.00	7½ x 10	17	376.	544.	688.	560.	UE175	32.00	310.	429.
2000	U520A	123.00	8.00	7½ x 10	19	422.	613.	780.	641.	UE175	32.00		452.
2500	U525A	154.00	15.00	9½ x 10	24	484.	706.	904.	758.	UE195	44.00		483.
3000	U530A	176.00	7.00	7½ x 20⅝	34	596.	816.	1043.	853.	UE275	53.00	510.	717.
4000	U540A	244.00	13.00	9½ x 20⅝	45	732.	1020.	1315.	1080.	UE295	64.00		785.
5000	U550A	307.00	15.00	9½ x 20⅝	50	858.	1209.	1567.	1290.	UE295	64.00		848.

ALSO AVAILABLE WITH COPPER BUS BARS

* For weatherproof feeder duct, add 20% to list price of duct.

** Also available with insulated conductors in ventilated or non-ventilated construction. To order, change first letter of Cat. No. Suffix from "B" to "V" for ventilated, or "E" for non-ventilated.

† TO ORDER—Use Basic Cat. No. and add Cat. No. Suffixes as required for specific item. Example: Duct—U420AVF; Accessory—U420AVL.

‡ Includes flange to cover cutout in top of switchboard and 8" of fabricated bus bar extension inside switchboard. Add for footage outside of switchboard.
Hangers—1 Hanger is included free of charge with each duct section and accessory.
Additional Hangers are available at $1.00 list each. To order, use same Cat. No. as shown above for End Closer, except change second letter from "E" to "H". Example: UH 145.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

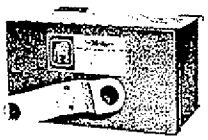
I-T-E BUS PLUGS

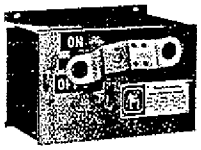
FOR XL, XL-U▲, BD AND LO-X PLUG-IN BUS DUCT

CIRCUIT BREAKER PLUGS†—Floor-Operated

Breaker Frame	AC Volts	Rating Amperes	3 PHASE, 3 WIRE						3 PHASE, 4 WIRE					
			List Price With Breaker	Enclosure Only					List Price With Breaker	Enclosure Only				
				Cat. No.†						Cat. No.				
				XL	XL-U	BD, LO-X Plug-In°	List Price			XL	XL-U	BD, LO-X Plug-In°	List Price	
E	240	15–50 70–100	$118.00 142.00	XLEH3100	U1C3100	BDEH3100	$67.00		$134.00 158.00	XLEH4100	U1C4100	BDEH4100	$83.00	
EH	480	15–50 70–100	149.00 165.00						165.00 181.00					
EF	600	15–50 70–100	163.00 184.00						179.00 200.00					
FJ		70–225	410.00	XLFJ3225	U4C3225	BDFJ3225	146.00		439.00	XLFJ4225	U4C4225	BDFJ4225	175.00	
JJ		250–400	849.00	XLJK3400	U6C3400	BDJK3400	390.00		893.00	XLJK4400	U6C4400	BDJK4400*	434.00	
JL		70–225 250–400	872.00 872.00						916.00 916.00					
KM		400–600 700–800	1210.00 1468.00	XLKM3800	U8C3800	BDKM3800	415.00		1268.00 1526.00	XLKM4800	U8C4800	BDKM4800	473.00	

Circuit-Breaker Bus Plugs



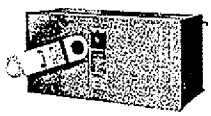


FUSIBLE VACU-BREAK SWITCH PLUGS—Floor-Operated

Volts	Rating Amperes	3 PHASE, 3 WIRE						3 PHASE, 4 WIRE					
		Horsepower Ratings, AC		Cat. No.			List Price	Horsepower Ratings, AC		Cat. No.			List Price
		Std. (NEC)	Max. (Time Delay)	XL	XL-U	BD, LO-X Plug-In°		Std. (NEC)	Max. (Time Delay)	XL	XL-U	BD, LO-X Plug-In°	
240 AC 250 DC	30	3	7½	XLVB321	UV321	BOS14321	$74.00	3	10	XLVB421N	UV421	BOS16421	$88.00
	60	7½	15	XLVB322	UV322	BOS14322	78.00	7½	20	XLVB422N	UV422	BOS16422	91.00
	100	15	30	XLVB323	UV323	BOS14323	119.00	15	30	XLVB423N	UV423	BOS16423	134.00
	200	25	60	XLVB324	UV324	BOS14324	204.00	25	60	XLVB424N	UV424	BOS16424	230.00
	400	50	100	XLVB325	UV325	BOS14325	504.00	50	100	XLVB425N	UV425	BOS16425*	540.00
	600	75	100	XLVB326	UV326	BOS14326	700.00	75	100	XLVB426N	UV426	BOS16426*	763.00
600 AC	30	7½	20	XLVB351	UV361	BOS14351	78.00	5**	15**	XLVB451N	UV461	BOS16451	92.00
	60	15	50	XLVB352	UV362	BOS14352	85.00	15**	30**	XLVB452N	UV462	BOS16452	96.00
	100	30	75	XLVB353	UV363	BOS14353	121.00	25**	60**	XLVB453N	UV463	BOS16453	139.00
	200	60	100	XLVB354	UV364	BOS14354	216.00	50**	100**	XLVB454N	UV464	BOS16454	239.00
	400	100	—	XLVB355	UV365	BOS14355	508.00	100**	—	XLVB455N	UV465	BOS16455*	545.00
	600	—	—	XLVB356	UV366	BOS14356	704.00	—	—	XLVB456N	UV466	BOS16456*	774.00

Fusible Vacu-Break Switch Bus Plugs

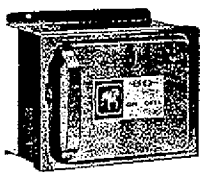


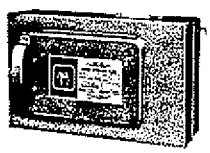


FUSIBLE SWITCH PLUGS—Door-Operated

Volts	Rating Amperes	3 PHASE, 3 WIRE						3 PHASE, 4 WIRE					
		Horsepower Ratings, AC		Cat. No.			List Price	Horsepower Ratings, AC		Cat. No.			List Price
		Std. (NEC)	Max. (Time Delay)	XL	XL-U‡	BD, LO-X Plug-In°		Std. (NEC)	Max. (Time Delay)	XL	XL-U‡	BD, LO-X Plug-In°	
240 AC 250 DC	30	3	7½	XLP321	UP321	BP321	$56.00	3	7½	XLP421N	UP421	BP421	$68.00
	60	7½	15	XLP322	UP322	BP322	60.00	7½	15	XLP422N	UP422	BP422	74.00
	100	15	30	XLP323	UP323	BP3237	73.00	15	15	XLP423N	UP423	BP4237	92.00
600 AC	30	7½	—	XLP351	UP361	BP351	58.00	5**		XLP451N	UP461	BP451	73.00
	60	15		XLP352	UP362	BP352	61.00	15**	—	XLP452N	UP462	BP452	88.00
	100	30		XLP353	UP363	BP3537	87.00	25**		XLP453N	UP463	BP4537	100.00

Fusible Switch Bus Plugs





▲ Grounding Finger—When required for any XL-U plug, must be specified by adding Suffix G to plug Cat. No. Add $10.00 List to price.

* When BD duct capacity exceeds 400A for aluminum or 600A for copper, capacity must be specified to obtain proper number and arrangement of neutral fingers.

** 480-volt ratings.

† Enclosures available from stock. When ordering circuit-breaker bus plugs complete with breaker, factory-installed, allow time for assembly and SPECIFY Enclosure, Frame Size, Phases and Ampere Rating. Example: One U1C3100—EH—3P—70A—Factory-Assembled.

° Channel Spacers—Must be used with Bus Plugs or Plug-in Branch-Run Adapters mounted on 600-, 800- or 1000-ampere ABD duct or on 800- or 1000-ampere BDP duct.

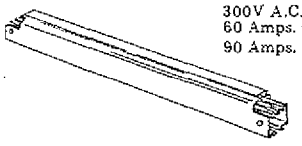
CLASS J FUSES—Adapter kits available for converting switches to Class J fuses.

FEEDRAIL TROLLEY BUSWAY SYSTEMS

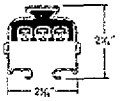
Electrical Products Division, Midland-Ross Corporation

Feedrail "Trolley Busways" and "Crane & Hoist Electrification" Systems are the modern, safe way to track the power to the job. Copper conductors, mounted on arc-resistant insulators, are enclosed in sturdy steel prefabricated track sections. Internally track-supported trolleys with all current carrying parts totally within the track housing and with positive-pressured contacts roll freely and serve as power outlets at any point along the track run. Trolleys are completely assembled, ready to wire, polarized for foolproof insertion at track doors. As more outlets are needed, trolleys can be added, limited only by the current capacity of the track and each outlet.

FEEDRAIL "60"



300V A.C. or D.C.
60 Amps. Continuous —
90 Amps. Intermittent



Track Sections 10' 0" Lengths.
Complete with bus bars and coupling.

Track	Two Pole Cat. No.	Two Pole Each	Three Pole Cat. No.	Three Pole Each
	Straight Track			
Plain	FRS-200	$32.50	FRS-100	$37.50
Door	FRS-201	37.00	FRS-101	42.00
	Transfer Track — One Flared End			
Plain	FRS-225	56.50	FRS-125	61.50
Door	FRS-226	61.00	FRS-126	66.00
	Transfer Track — Two Flared Ends With Feed Box			
Plain	FRS-295	88.50	FRS-195	93.50
Door	FRS-296	93.00	FRS-196	98.00
	Sectionalizing Track — With Internal Insulators			
Plain	FRS-245	44.00	FRS-145	49.00
Door	FRS-246	48.50	FRS-146	53.50

Door Sections are used for inserting trolleys. Curved track sections available, various radii.



FEEDRAIL "60" TROLLEYS

15 Amps. 300V A.C. or D.C.
20 Amps. 300V A.C. or D.C.

For straight or curved track without transfer points, with radius of 3'-6" or over.

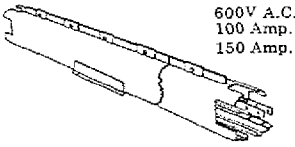
Poles	Types of Contact	Cat. No.	Each
	Non-Fusible with Cable Grip		
2	Bronze Brush	FRS-22	$5.80
2	Copper Graphite Roller	FRS-32	6.35
2	Copper Graphite Brush	FRS-26	7.70
3	Bronze Brush	FRS-2	6.20
3	Copper Graphite Roller	FRS-12	7.10
3	Copper Graphite Brush	FRS-6	9.05
	Fusible with Cabinet (250 V.)		
2	Bronze Brush	FRS-29	$22.00
2	Copper Graphite Roller	FRS-39	22.55
2	Copper Graphite Brush	FRS-30	23.85
3	Bronze Brush	FRS-9	23.05
3	Copper Graphite Roller	FRS-19	24.00
3	Copper Graphite Brush	FRS-10	25.90
	20 Amps. — 300 V. A.C. or D.C.		

For curved or straight track without transfer points, with radius of 2'-6" or more. Recommended for budget hoists, light tonnage monorails, automatic cloth spreaders, machine tools, etc.

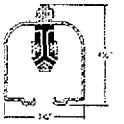
Poles	Description	Cat. No.	Each
2	Non-fusible—with Box	FRS-94	$18.25
2	Fusible (250V.)—with Cabinet	FRS-96	35.50
3	Non-fusible—with Box	FRS-84	19.70
3	Fusible (250V.)—with Cabinet	FRS-86	37.90

30 amperes trolleys also available.

FEEDRAIL "100"



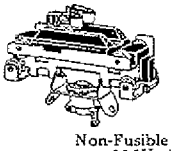
600V A.C. — 250V D.C.
100 Amp. Continuous —
150 Amp. Intermittent



Track Sections 10' 0" Lengths.
Complete with bus bars.

Track	Two Pole Cat. No.	Two Pole Each	Three Pole Cat. No.	Three Pole Each
	Straight Track			
Plain	FR-200	$73.00	FR-100	$ 80.00
Door	FR-201	86.00	FR-101	93.00
	Transfer Track — One Flared End — Offset Bus Bar Ends			
Plain	FR-285	114.00	FR-185	121.00
Door	FR-286	127.00	FR-186	134.00
	Transfer Track — Two Flared Ends with Feed Box			
Plain	FR-295	172.00	FR-195	179.00
Door	FR-296	185.00	FR-196	192.00
	Sectionalizing Track — With Internal Insulators			
Plain	FR-247	104.00	FR-147	111.00
Door	FR-248	117.00	FR-148	124.00

Curved track sections available, various radii.



FEEDRAIL "100" TROLLEYS

Without Cabinets

Non-Fusible — with Cable Clamps
600V AC — 250V DC

Standard Type — For use with straight and curved track with radius of 5'—6" or over.

Poles	Amps.	Contact	Cat. No.	Each
2	20	Roller	FR-34	$25.75
2	30	Brush	FR-90	32.20
3	20	Roller	FR-24	30.05
3	30	Brush	FR-80	40.05

Short Radius "C" Type — for use with straight and curved track — Minimum radius 2'—6".

Poles	Amps.	Contact	Cat. No.	Each
2	20	Roller	FR-36	$25.75
2	30	Brush	FR-91	32.20
3	20	Roller	FR-26	30.05
3	30	Brush	FR-81	40.05

Duplex "D" Type — for high amperage on straight and curved track — Minimum radius 2'—6".

Poles	Amps.	Contact	Cat. No.	Each
2	40	Roller	FR-37	$53.65
2	60	Brush	FR-92	66.55
3	40	Roller	FR-27	62.25
3	60	Brush	FR-82	82.25

Standard trolleys with hanger cabinets, fusible and non-fusible, with and without receptacles, are also available.

Intermittent rating equals 50% OFF — 50% ON.

FEEDRAIL TRACK ACCESSORIES FOR STRAIGHT TRACK



Coupling | Dead End Cap | Center Feed | End Feed | Jct. Box* | Hanger | Clevis Support

For FEEDRAIL "60" System

Description	Cat. No.	Each
Coupling Set	FRS-102	$1.25
Dead End Cap	FRS-107	2.25
Center Feed Set	FRS-103	5.00
End Feed Set	FRS-106	6.00
Junction Box	FRS-110	6.00
Track Hanger	FRS-105	.55
Clevis Support	FR-105	1.15

*Jct. Box is used with Feed Sets.

Similar fittings are available for use with Feedrail "60" curved track.

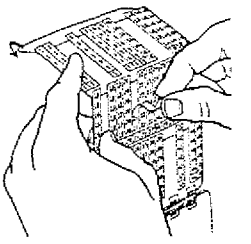
For FEEDRAIL "100" System

Description	Cat. No.	Each
Coupling Plate Set	FR-102	$5.70
Dead End Cap	FR-107	4.65
Center Feed Box	FR-103	11.80
End Feed Box, Reversible	FR-109	11.80
Auxiliary Track Hanger Set	FR-140	1.10
Transfer Point Hanger Set	FR-124	5.00
Clevis Support	FR-105	1.15

Feedrail "100" curved track has 4" straight ends for accessories.

Two and Three Pole Heavy Duty Feedrail Systems are available in 225, 375 and 500 amp. capacities 600V. A.C. — 250V. D.C.; 4 and 5-pole Systems in 60 amp. continuous service, 90 amp. intermittent service, 300V. A.C. or D.C.

BRADY PORTA-PACK WIRE AND TERMINAL MARKING KIT



Pocket-size book of 450 self-sticking vinyl cloth wire markers plus 450 matching terminal markers. Markers "pop up" from flip-strip dispenser card for fast, easy on-the-job identification.

Over 120 stock Ten-Pack cards let you make up your own PORTA-PACK marking kit for special purpose jobs.

BRADY PORTA-PACK STOCK LIST

PORTA-PACK Stock No.	Porta-Pack Books 1 thru 11 each contain 450 Wire Markers and 450 matching Terminal Markers
PWM-PK-1	45 Markers each, 0-9
PWM-PK-2	10 Markers each, A-Z and 0-15+, —, /
PWM-PK-3	10 Markers each, 1-45
PWM-PK-4	150 Markers each, 1, 2, 3
PWM-PK-5	150 Markers each, A, B, C
PWM-PK-6	150 Markers each, T1, T2, T3
PWM-PK-7	150 Markers each, L1, L2, L3
PWM-PK-8	2 Markers each, A-Z, O, +, –, /; 6 Markers each, 1-15; 4 Markers each, 16-90.
PWM-PK-9	45 Markers each, 1, 2, 3, A, B, C; 30 Markers each, T1, T2, T3, L1, L2, L3
PWM-PK-10	45 Markers each of 10 different NEMA colors
PWM-PK-11	15 Markers each, 1-30
PWM-PK-12	Total 426 Markers — 15 Markers each, A-Z; 21 blank Write-On labels; 8 Markers, +; 7 Markers, —
PWM-PK-13	Total 348 Markers — 45 Markers each, +, –, AC, DC; 33 Markers each, POS, NEG, GND; 27 Markers, NEUT; 21 Markers each, SPARE, blank Write-On labels

BRADY TEN-PACK STOCK LIST

Ten-Packs contain 10 identical cards (app. 450 Wire Markers and matching Terminal Markers per pack). Use Ten-Packs to make up your own Porta-Pack Combination of cards.

TEN-PACK Stock No.	Legend	TEN-PACK Stock No.	Legend
PWM-0	0	PWMT-P-R	P-R
PWM-1	1	PWMT-S-U	S-U
PWM-2	2	PWMT-V-X	V-X
and so on thru		PWMT-Y-Z,	
PWM-200	200	+, —	Y, Z, +, –
PWM-A	A	PWM-W/O	Write-on labels
PWM-B	B	PWMT-T1-T3	T1-T3
PWM-C	C	PWMT-L1-L3	L1-L3
and so on thru		PWM-PLS	+
PWM-Z	Z	PWM-MIN	—
PWM-A-Z,		PWM-POS	POS
0-15	A-Z, 0-15	PWM-NEG	NEG
PWM-1-45	1-45	PWM-AC	AC
PWM-46-90	46-90	PWM-DC	DC
PWMT-1-3	1-3	PWM-GND	GND
PWMT-4-6	4-6	PWM-NEUT	NEUT
PWMT-7-9	7-9	PWM-SPR	SPARE
PWMT-10-12	10-12	Solid NEMA Color Code Markers:	
PWMT-13-15	13-15		
PWMT-16-18	16-18	PWMC-RD	Red
PWMT-19-21	19-21	PWMC-YL	Yellow
PWMT-22-24	22-24	PWMC-LB	Lt. Blue
PWMT-25-27	25-27	PWMC-LG	Lt. Green
PWMT-28-30	28-30	PWMC-WT	White
PWMT-A-C	A-C	PWMC-BK	Black
PWMT-D-F	D-F	PWMC-BR	Brown
PWMT-G-I	G-I	PWMC-OR	Orange
PWMT-J-L	J-L	PWMC-GY	Gray
PWMT-M-O	M-O	PWMC-DG	Dk. Green

Porta-Pack and Ten-Pack Prices

Per Pack			
5-9 Packs	$2.75	100-249 Packs	$2.06
10-49 Packs	2.53	250-499 Packs	1.93
50-99 Packs	2.27	500-999 Packs	1.79

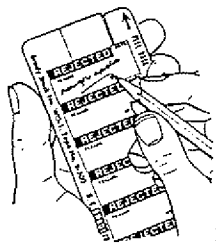
WARNING STRIPES



Self-sticking all-vinyl stripes mark hazardous areas fast and inexpensively. Use on low doorways and beams, protruding equipment, docks, elevators. Yellow and black or magenta and yellow stripes stocked in continuous rolls 1", 1½", 2" and 3" wide by 18 yds. long.

Stock Nos. Yellow & Black	Stock Nos. Magenta & Yellow	Width	Per Roll
WS8V-10Y		1"	$3.50
WS8V-15Y	WS8V-15M	1½"	4.95
WS8V-20Y	WS8V-20M	2"	6.95
WS8V-30Y	WS8V-30M	3"	9.95

BRADY WRITE-ON LABELS



Pressure-sensitive labels with pre-printed color-and-wording have space for writing in specific instructions, codes, ratings, other data. Also furnished blank with no printing. Fill in with pencil, pen, ballpoint, rubber stamp or typewriter. Individual labels mounted on handy "writing boards" for easy use and dispensing. Three materials: B-500+ vinyl cloth, B-184 aluminum and B-770 paper. Write for Brady Bulletin No. 130.

BRADY MARKERS

ACCIDENT PREVENTION SIGNS

STOCK NO.	SIGN	STOCK NO.	SIGN
CAU-1-1	CAUTION	DAN-S-514	CAUTION / CAUTION
DAN-1-1	DANGER	DAN-1-17R	DO NOT TOUCH SWITCHES
CAU-1-15	BE CAREFUL IN OPERATING THE MACHINES	DAN-1-29R	ELECTRIC CURRENT KEEP OFF
CAU-1-31R	CABLE BURIED HERE	DAN-1-14R	HIGH VOLTAGE
CAU-S-507	CAUTION CAUTION	RAD-1-C	CAUTION HAZARD
CAU-S-505	CAUTION CAUTION	RAD-5-C	CAUTION AIRBORNE RADIOACTIVITY AREA
DAN-S-502	DANGER / DANGER HIGH VOLTAGE / HIGH VOLTAGE	RAD-6-C	CAUTION RADIATION AREA
DAN-S-509	DANGER / DANGER	RAD-19-C	RADIOACTIVE
NOT-1-35	NO ENTRY WITHOUT PERMISSION	CAU-1-12	DON'T START OUT OF ORDER
DAN-1-12R	NO SMOKING	FIR-1-2	EXIT
DAN-1-101R	ONLY AUTHORIZED PERSONNEL ALLOWED TO OPERATE OR ADJUST EQUIPMENT ON THIS MACHINE	FIR-1-9	FIRE ALARM HANDS OFF
CAU-1-10	Ring Bell Before Lowering Elevator	FIR-1-7	A FIRE TODAY NO JOB TOMORROW
NOT-1-41	THIS ELEVATOR IS FOR FREIGHT ONLY NOT PASSENGERS	DAN-1-22R	FOR EMERGENCY USE ONLY
FIR-1-8	DO NOT USE ON ELECTRICAL FIRES	FIR-1-17	FOR USE ON ELECTRICAL FIRES

Self-sticking signs adhere to metal, glass, plastic, wood surfaces without moistening or fasteners. Signs are 2¾" x 9" mounted 1 per dispenser card, or 2¾" x 4½" with 2 per dispenser card as illustrated. Conform to National Safety Council specifications. Made of B-500 Vinyl Cloth.

Per 100 cards of 1 or 2 signs: $35.00

CONTRACTOR SERVICE LABELS



Handy, self-sticking labels are applied to switch boxes, control centers, other equipment. Identify *your* company when service or maintenance is required. Labels mounted on dispenser cards . . . easily carried in tool box or packet. Labels are ¾" x 1½", 12 labels per card. Heavy-duty B-500+ vinyl cloth material. Two styles:

Prices shown include straight typesetting. If art or reverses are required, additional charges are billed at cost.

INSTALLATION BY
A. W. EVANS, INC.
EST. 1936 PHONE 211-3769

Description	No. of Colors	Dispenser Card Size	Tape Area	Per 100 Cards
One-Color Plus Background Color				
B-500+	1*	2" x9"	1½"x9"	$29.25
B-500+	1*	2¾"x9"	2¼"x9"	$475.00
**Two-Color Plus Background Color				

*Plus background color.

**For two printing colors, write for prices.

Standard background colors are white, yellow, aluminum, green, orange, red and blue.

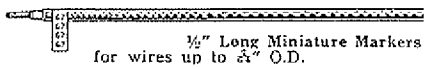
BRADY WIRE MARKERS

Simplified method for marking electrical wires and cables. Self-adhesive strips printed with numbers, letters, symbols or NEMA colors are mounted on dispenser cards. Simply remove and wrap or flag on wire. Thousands of stock legends on Brady B-500+ vinyl cloth or B-600 sub-surface printed polyester film. Special legends made to order.

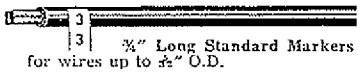
(Use Brady Cable Markers for wires up to 1" O.D.)

All legends on 1½" long Markers are also available in ¾" long size at no extra charge. To order, specify "¾" after stock numbers.

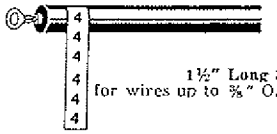
SIZES TO FIT ALL WIRES



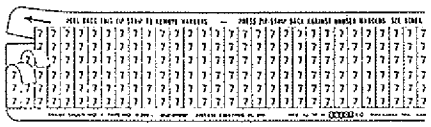
½" Long Miniature Markers for wires up to ¼" O.D.



¾" Long Standard Markers for wires up to ⅝" O.D.



1½" Long Standard Markers for wires up to ⅝" O.D.



STOCK LIST OF BRADY WIRE MARKERS

Solid Number Cards

(All Markers on each Card are the same.)

B-500+ Vinyl-Cloth Stock No.	B-600 Polyester Film Stock No.	Legend on Each Marker	Markers per Card ¾-in.	Markers per Card 1½ in.
WM-0	PS-0	0	72	36
WM-1	PS-1	1	72	36
WM-2	PS-2	2	72	36
and so on thru				
WM-99	PS-99	99	72	36
WM-100	PS-100	100	50	25
and so on thru				
WM-600	PS-600	600	50	25



Solid Letter Cards

(All Markers on each Card are the same.)

B-500+ Vinyl-Cloth Stock No.	B-600 Polyester Film Stock No.	Printing on Each Marker	No. of Markers on Each Card ¾ in.	No. of Markers on Each Card 1½ in.
WM-A-Cap	PS-A Cap	A	72	36
WM-B-Cap	PS-B Cap	B	72	36
and so on thru				
WM-Z-Cap	PS-Z Cap	Z	72	36
WM-A-Sml.		a	72	36
WM-B-Sml.		b	72	36
and so on thru				
WM-Z-Sml.		z	72	36

BRADY WIRE MARKERS

Consecutive Letters

(Markers on each card are different and follow alphabetical sequence.)

B-500+ Vinyl-Cloth Stock No.	B-600 Polyester Film Stock No.	Printing on Each Marker	No. of Markers of each Letter on Each Card ¾ in.	No. of Markers of each Letter on Each Card 1½ in.
WM-A-Z (Cap)	PS-A-Z-Cap	A thru Z (Cap letters)	2	1
WM-A-Z (Sml.)	PS-A-Z-Sml.	a thru z (Sml. letters)	2	1



Solid Symbol Cards

(Same symbol on all markers.)

B-500+ Vinyl-Cloth Stock No.	B-600 Polyester Film Stock No.	Symbols on Each Card	Markers Per Card ¾ in.	Markers Per Card 1½ in.
WM-A1 thru-WM-A5	PS-A1 thru PS-A2	A1, A2, etc.	72	36
WM-L1 thru-WM-L5	PS-L1 thru PS-L5	L1, L2, etc.	72	36
WM-S1 thru-WM-S5	PS-S1 thru PS-S3	S1, S2, etc.	72	36
WM-T0 thru-WM-T10	PS-T1 thru PS-T10	T0, T1, etc.	72	36
WM-AC	PS-AC	AC	72	36
WM-DC	PS-DC	DC	72	36
WM-POS	PS-POS	POS	50	25
WM-NEG	PS-NEG	NEG	50	25
WM-GND	PS-GND	GND	50	25

SOLID NEMA COLORS

Std. NEMA color markers without printing or B-500+ Vinyl Cloth only: 36 markers per card.

No. Color	No. Color	No. Color
WM COL-	WM COL-	WM COL-
RD Red	WT White	GY Gray
YL Yellow	BK Black	MR Maroon
LB Lt. Blue	TN Tan	OL Olive
DB Dk. Blue	BR Brown	PL Purple
LG Lt. Grn.	OR Orange	
DG Dk. Grn.	PK Pink	

Color-Code Markers



Solid numbers on NEMA color backgrounds. All markers on each card are the same. Come in five different NEMA background colors.

In B-500 Vinyl cloth only. Prefix all stock numbers with WN (Example: WM-1-RD).

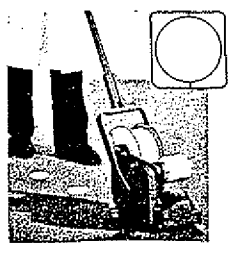
Red No.	Yellow No.	Orange No.	Blue No.	Green No.	Print on Each Marker
1-RD	1-YL	1-OR	1-BL	1-GR	1
2-RD	2-YL	2-OR	2-BL	2-GR	2
and so on thru					
50-RD	50-YL	50-OR	50-BL	50-GR	50

72 ¾" markers per card . . . 36 1½" markers per card.

B-500+ Vinyl Cloth Wire Markers
B-600 Polyester Film Wire Markers

No. of Cards	Per 100 Cards
25 — 99	$22.00
100 — 499	20.40
500 — 999	18.15
1000 — 2499	16.50
2500 — 4999	15.40
5000 — 9999	14.30

BRADY AISLE MARKERS and AISLE MARKERMATIC



Mark Traffic lanes and plant areas fast with highly-visible dotted lines. All-Vinyl bright yellow markers are spaced and applied automatically, at walking speed, 10", 15" or 20" apart, or random-spaced. Markers outlast paint 5 to 1. Furnished 1000 markers per roll.

Per Roll of 1000 Markers

Stock No.	Size	Per Ro
AMR-2Y	2" dia.	$23.0
AMR-3Y	3" dia.	39.9
AMR-4Y	4" dia.	69.0

Aisle Markermatic $475.00

LINER-MOUNTED AISLE MARKERS

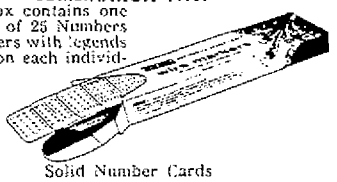
For Individual Application

Size	Stock Numbers Yellow	Red	Green	White	Per 500 Individu Marke
2"	AM-2Y	AM-2R	AM-2G	AM-2W	$11.5
3"	AM-3Y	AM-3R	AM-3G	AM-3W	19.9
4"	AM-4Y				34.5
5"	AM-5Y				47.5

BRADY WIRE MARKERS

COMBINATION PACS

Each box contains one card each of 25 Numbers or 26 Letters with legends identical on each individual card.



Solid Number Cards

B-500+ Vinyl Cloth ¾" and 1½" Size	B-600 Polyester Film ¾" and 1½" Size	Assortment (1 of Each Card)
CPC-WM- 1- 25	CPPS- 1- 25	1 thru 25
CPC-WM- 26- 50	CPPS- 26- 50	26 thru 50
CPC-WM- 51- 75	CPPS- 51- 75	51 thru 75
CPC-WM- 76-100	CPPS- 76-100	76 thru 100
CPC-WM-101-125	CPPS-101-125	101 thru 125
CPC-WM-476-500	CPPS-476-500	476 thru 500

Solid Letter Cards

CPC-WM-A-Z	CPPS-A-Z	A thru Z

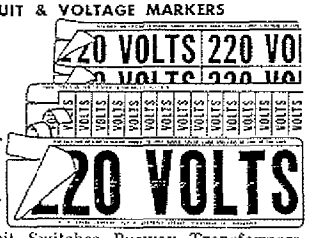
Price per box $5.50

CONDUIT & VOLTAGE MARKERS

Style B 1¾" x 4½" Markers, 4 Markers per Card.

Style C 2½" x 9" Markers, 18 legends per Marker.

Style A 2½" x 9 Markers, 1 Marker per Card.



Mark Conduit, Switches, Busway, Transformers and Fuse Boxes with legend and bright orange color, Most NEMA Voltages in stock. B-500 Vinyl Cloth.

Legend	Stock Nos. Style A	Style B	Style C*
110 Volts	CV-1A	CV-1B	CV-1C
115 Volts	CV-2A	CV-2B	CV-2C
120 Volts	CV-4A	CV-4B	CV-4C
208 Volts	CV-6A	CV-6B	CV-6C
220 Volts	CV-7A	CV-7B	CV-7C
240 Volts	CV-10A	CV-10B	CV-10C
250 Volts	CV-11A	CV-11B	CV-11C
277 Volts	CV-12A	CV-12B	
440 Volts	CV-13A	CV-13B	CV-13C
AC	CV-27A	CV-27B	CV-27C
Single Phase	CV-29A	CV-29B	CV-29C
Three Phase	CV-31A	CV-31B	CV-31C
Power	CV-32A	CV-32B	CV-32C
DC	CV-38A	CV-38B	CV-38C

*Specify if 18 individual ½" x 2¼" markers are desired. Price: $35.00 per 100 assorted cards.

BRADY QUIK-ALIGN SIGN KITS



Heavy die-cut vinyl letters and numbers mounted on notched cards. Spacing, alignment and application are fast and easy. Characters stick permanently to clean, dry surface. Use indoor or outdoor. Stocked in 1", 2", 3", 4" and 6" sizes in black, white, yellow and red. Furnished in handy, portable kits of 560 assorted characters with quantities of each in proportion to use. Refills also available.

Quik-Align Kits

Size	Black	White	Brady Stock Nos. Yellow	Red	Per Kit*
	QAVK-	QAVK-	QAVK-	QAVK-	
1"	1B	1W	1Y	1R	$38.00
2"	2B	2W	2Y	2R	45.00
3"	3B	3W	3Y	3R	56.00
4"	4B	4W	4Y	4R	74.00
6"	6B	6W	6Y	6R	117.00

Refill Packages — 10 identical characters per package.

Size	Black	White	Brady Stock Nos. Yellow	Red	Per Pkg.
	QAVR-	QAVR-	QAVR-	QAVR-	
1"	B1-*	W1-*	Y1-*	R1-*	$1.10
2"	B2-*	W2-*	Y2-*	R2-*	1.30
3"	B3-*	W3-*	Y3-*	R3-*	1.60
4"	B4-*	W4-*	Y4-*	R4-*	2.20
6"	B6-*	W6-*	Y6-*	R6-*	3.40

*NOTE: Add letter or number desired in place of asterisk to complete each Stock No. shown above.

Quik-Align is also available in condensed capitals, 1", 2", 3", black, kits or refills. Also lower case for 2" or 3", black refills.

BRADYLITE REFLECTIVE MARKERS



Mark electrical apparatus, poles, equipment and emergency areas for instant day-or-night identification with Bradylite markers. Shine brilliantly when lit by any light source. Permanent, individual numbers, letters and KVA ratings mounted on split liners. Easy to apply. Packaged 25 identical markers in plastic box.

Stock No.	Size	Printing On Each Marker	Price Group
NUMBERS			
RY3-1	1¾" x 2⅞"	1	I
RY3-2	1¾" x 2⅞"	2	I
and so on thru			
RY3-9	1¾" x 2⅞"	9	I
RY3-0	1¾" x 2⅞"	0	I
LETTERS			
RY3-A	1¾" x 2⅞"	A	I
RY3-B	1¾" x 2⅞"	B	I
and so on thru			
RY3-Z	1¾" x 2⅞"	Z	I
RY3-DSH	1¾" x 2⅞"	—	I

Per 100 Group	25 to 99	100 to 499	500 to 2499	2500 to 4999
I	$21.00	$16.80	$15.75	$15.22

BRADY QUIK-LABEL MACHINE

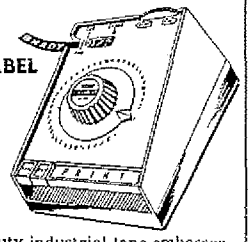
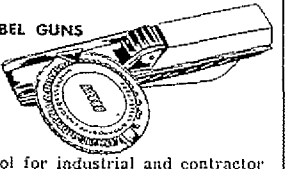


Table model, heavy-duty industrial tape embosser for use on production line, maintenance or electrical department, etc. Embosses and cuts individual labels, or provides individual labels in dispenser strip form up to 36 ft. long. High-impact plastic embossing wheel with full alphabet, numerals, punctuation marks. Dimensions: 4¾" wide x 6¼" deep x 4½" high. Weight: 2½ lbs.

No. QLM-375 for ⅜" wide Tape .....each $19.95
No. QLM-500 for ½" Tape .....each 19.95

BRADY QUIK-LABEL GUNS



Durable hand tool for industrial and contractor use. Lifetime aluminum finish. Embosses sharp, white, full-size letters or numerals horizontally on high-contrast colored background. Embossing wheels are interchangeable . . . One gun handles both sizes of tape. (See listing for additional embossing wheels below.)

No. QLG-375 Quik-Label Gun — ⅜" Wheel... $15.95
No. QLG-500 Quik-Label Gun — ½" Wheel.... 15.95
No. QLG-375W Embossing Wheel for ⅜" wide tape 2.00
No. QLG-500W Embossing Wheel for ½" wide tape 2.00

BRADY Quik-Label Tapes

Self-adhesive plastic tapes with high gloss, easily cleaned surface. Pressure-sensitive adhesive bonds on contact. Furnished in ⅜" and ½" widths. 12 ft. long rolls or 36 ft. long economy industrial jumbo rolls in quick-load cartons.



Color	For QLG-375 or QLM-375 ⅜" x 12 ft.	For QLG-500 or QLM-500 ½" x 12 ft.	For QLM-375 ⅜" x 36 ft.	For QLM-500 ½" x 36 ft.
Black	QLT-3BK	QLT-5BK	QLTJ-3BK	QLTJ-5BK
Red	QLT-3RD	QLT-5RD	QLTJ-3RD	QLTJ-5RD
Blue	QLT-3BL	QLT-5BL	QLTJ-3BL	QLTJ-5BL
Green	QLT-3GN	QLT-5GN	QLTJ-3GN	QLTJ-5GN
Yellow	QLT-3YL	QLT-5YL	QLTJ-3YL	QLTJ-5YL
Gold	QLT-3GD	QLT-5GD		
Clear	QLT-3CL	QLT-5CL		
Brown	QLT-3BN	QLT-5BN		
Orange	QLT-3OR	QLT-5OR		
Gray	QLT-3GY	QLT-5GY		
Purple	QLT-3PL	QLT-5PL		
Per Roll	$1.25	$1.65	$3.20	$4.25

BRADY B-60 FIBER GLASS SAFETY SIGNS

Indoor-outdoor safety signs have fadeproof legends enclosed within .060" thick fiber glass. Withstand weather, wear, impact, abrasion, outperform painted metal signs. Retain legibility and like-new appearance because fiber glass won't chip, peel, flake, dent, bend or rust. Some have blank area for additional lettering with fast easy Quik-Align.

DANGER SIGNS

Complete, ready for mounting, measure 10"x14". Word "DANGER" appears white on red oval on black panel, remainder of wording is black.



Stk. No. DAN-PG-9-2 (for Danger, High Voltage)



Stk. No. DAN-PG-9-3 (for Danger, Keep Away)



Stk. No. DAN-PG-9-4 (for Danger, Keep Off)



Stk. No. DAN-PG-9-5 (for Danger, Keep Out)



Stk. No. DAN-PG-9-6 (for Danger, No Admittance)



Stk. No. DAN-PG-9-7 (for Danger, No Smoking)

SIGNS WITH CUSTOM LETTERING*

The signs below have space to add your own additional wording with Brady Quik-Align*.



Yellow over all, with yellow lettering on black panel.

Size, In. Stock No.
10x14 CAU-PG-9-1
14x20 CAU-PG-11-1



White over all, white lettering on blue panel.

Size, In. Stock No.
10x14 NOT-PG-9-1
14x20 NOT-PG-11-1



White over all, white lettering on red oval on black panel.

Size, In. Stock No.
10x14 DAN-PG-9-1
14x20 DAN-PG-11-1



White over all, white lettering on green panel.

Size, In. Stock No.
10x14 TH-PG-9-1



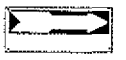
White over all, white lettering on green panel.

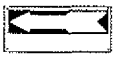
Size, In. Stock No.
10x14 SF-PG-9-1



Blank white panel to accept any lettering.

Size, In. Stock No.
10x14 BL-PG-9-1
14x20 BL-PG-11-1





Stk. No. DIR-PG-7-1R

Stk. No. DIR-PG-7-1L

White arrow on black panel. Either measures 6½"x14".

Size, Inches	Each	Blank Panel (BL-PG) Size, Inches	Each
6½x14	$2.25	.....	$ .....
10 x14	2.60	10x14	2.50
14 x20	4.25	14x20	4.00

*BRADY QUIK-ALIGN

Self-aligning, self-spacing lettering anyone can do in minutes with professional results. See listing on another page.

PERMAGUM



Permagum is a putty-like compound which is permanently non-hardening, non-oxidizing, and non-corrosive to metals, rubber, plastic, lacquer and paints.

Readily workable, it can be thumbed into any opening and formed for sealing around inspection plates, conduits, openings, cable joints.

Service temperature range is minus 30°F. to 400°F. Non-oxidizing, remains soft and plastic for an indefinite period at 70°F.

Quick, clean and easy to use, non-poisonous and non-injurious to the skin.

Size	Per Lb.	Size	Per Lb.	Wt. Lbs. Per Ctn.
1 Lb. Pkg.	$0.68	5 Lb. Bag	$0.52	50

*Price in quantities of 200 to 1000 lbs.

IDEAL WIRE PULLING COMPOUNDS

YELLOW 77®



Yellow 77 wire pulling compound works best where the pulling is toughest. It is a yellow colored, creamy textured compound with a wax base. Not damaged by freezing. Won't dry out in the can.
Not for polyethylene-covered wire.

Cat. No.	Description	Each
31-350	Quart (Packed 12 qts. per case)	$1.25
31-351	Gallon (Packed 4 gals. per case)	3.00
31-353	Three Gallon	8.25
31-355	Five Gallon	12.40
31-365	55-Gal. Drum (Non-returnable)	131.25

WIRE LUBE®



Makes wire pulling easier and saves time. Protects insulation against breaks and strains. Can be used on rubber or plastic covered wire. The lubricant can be applied by hand or brush. Wire or cable actually "rides" on a film of lubricant. U.L. approved.
Not for polyethylene-covered wire.

Cat. No.	Description	Each
31-250	Quart (Packed 12 qts. per case)	$0.95
31-251	Gallon (Packed 4 gals. per case)	2.30
31-255	Five Gallon	8.25

MINERALLAC No. 100 "PULL-IN" COMPOUND



For use on rubber, synthetic, plastic or lead-covered wires and cables.
Minerallac's "Pull-in" Compound No. 100 was developed to cut costs and "speed up" electrical installations. It lubricates thoroughly, thus reducing tensions on hard pulls and facilitating easy pulling of wires and cables into conduits. Free of injurious ingredients.

	—12 per Case— Pints	Quarts	1 Gal.	5 Gal.
Per Can	$1.20	$2.04	$4.80	$19.80

Y-ER EAS LUBRICANT

FOR PULLING ELECTRIC CABLES



Y-ER EAS (wire ease) is a smooth creamy lubricant which dries rapidly in the air and in so doing shrinks in volume and becomes a light powder. Use on Lead-Rubber-Synthetic covered cables. Do not use on Asbestos covered cables.
Y-ER EAS is packed in pails in the following quantities:

1 qt. can (1½ lbs. approx.)	per can	$0.85
1 gal. pail (5 lbs. approx.)	per pail	2.10
2 gal. pail (11 lbs. approx.)	per pail	5.20
3 gal. pail (14 lbs. approx.)	per pail	5.50
4 gal. pail (19 lbs. approx.)	per pail	6.00
55 gal. drum (250 lbs. approx.)	price by quotation from local Graybar office	

Y-ER EAS carries the UL and Union labels.

CRC ELECTRICAL ANTISEPTIC HAND CLEANER



Antiseptic and non-irritating. It cleans with or without water — simply rub on, wipe off. There is no oily or greasy after-feeling. CRC Hand Cleaner contains skin conditioners which are non-toxic, mild, odorless. It's particularly safe, for it does not contain harmful, strong solvents; it inhibits bacterial growth and imparts antibacterial protection to the skin.

Size	Each
5 Oz. Tube	$0.55
1 Lb. Can	0.75
4½ Lb. Can	3.00
Push-Type Dispenser	4.25

CRC 2-26



CRC 2-26 drives out moisture, then forms molecular barrier to seal it out. Stops rust and prevents further destructive corrosion action. Restores electrical characteristics to original values. Keeps all electrical equipment operating like new. Low in toxicity. Non-staining, non-corrosive. Reduced downtime, improved efficiency, increased operational life of equipment, will return its cost many times over.

Size	Each
16 Oz. Aerosol Can	$2.95
1 Gallon Liquid	8.25
5 Gallon Liquid	35.37
55 Gallon Liquid	250.00

CO CONTACT CLEANER



CO Contact Cleaner has split-second microscopic cleaning action. Removes moisture, dust, dirt, oils from high-precision electronic equipment, precious metal contacts, and components. Penetrates into tiny cracks and crevices. Leaves no residue or causes no solvent action on base materials. Maintains precision values. Highly stable. Equipped with plastic extension tube, reaches hard-to-get-at-places. Extremely safe to use and handle. Apply any place where delicate cleaning is necessary.

Size	Each
16 Oz. Aerosol Can	$2.95
6 Oz. Aerosol Can	1.77

CRC LECTRA-CLEAN



CRC Lectra Clean used on high voltage equipment (110 volts and above) to remove dirt, wax, oil, contaminants, moisture. Cleans fast — then evaporates. Non-flammable vapors or residues. No flash or fire point. Low in toxicity. Much safer than carbon tetrachloride. Non-conducting. Harmless to metal substrates. After cleaning with Lectra Clean, use CRC 2-26 to protect against future electrical failures.

Size	Each
24 Oz. Aerosol Can	$2.95
1 Gallon Can	8.25
5 Gallon Can	36.00
55 Gallon Drum	290.00

CRC LECTRA-SHIELD



Lectra-Shield provides long-lasting, low-cost protection against corrosion for electrical equipment — prevents deterioration caused by moisture and corrosion. It is specially formulated for durability and is easy to apply, economical to use, and easy to remove with steam or standard solvents.

Size	Each
16 Oz. Aerosol Can	$2.75
1 Gallon Can	3.25
5 Gallon Can	36.00
55 Gallon Drum	290.00

CRC URETHANE SEAL COAT



Red or Clear

Urethane Seal Coat is a permanent, flexible hard insulating film for electrical and electronic parts and equipment. Mar and abrasion resistant. One component —no catalyst. Unlimited shelf life. Resistant to acids, oils, alkali salts, corrosive atmospheres, chemicals. Use on printed circuits, URD transformer connectors and electrical equipment. Acts as insulation type varnish. Compatible with transformer oil. Temperature range from −90° to +300°F. (Class B Insulator)

Size	Each
3 Oz. Aerosol Can	$1.07
16 Oz. Aerosol Can	2.95
1 Gallon Can	11.00
5 Gallon Can	43.00
55 Gallon Drum	390.00

"SCOTCHCAST" BRAND SPLICING KITS NOS. 82-A, 82-A1, 82-A2, 82-A3, 82-B1, 90-B1



Prod No.	Cond. Size AWG or Min.	MCM Max.	Conn. O.D. Sleeve Type	Per Kit
82-A (inline)	#10	#2	⅝" Max.	$4.87
82-A1 (inline)	—	#2	⅝" Max.	4.54
82-A2 (inline)	#2	3/0	⅞" Max.	7.27
82-A3 (inline)	3/0	400	1" Max.	11.99

Prod No.	Conn. Type Split Bolt	Crimped	Cable O.D.	Per Kit
82-B1 (Wye)	#4 Max.	#2 Max.	¼"-⅝"	6.97
90-B1 (Wye)	1/0 Max.	2/0 Max.	Main ½"-⅞" Tap ⅜" Max.	6.77

Packaged 1 per box, 10 per case.

"SCOTCHCAST" BRAND COMMUNICATION KITS NOS. 89-D1, 89-D2, 89-D3, 8960, 8961



Complete kits for splicing or blocking and end sealing plastic insulated communication and control cables. Excellent moisture-proof insulation with pre-measured, two-part mix-in-the-bag epoxy resin and transparent snap together mold bodies.

Product Number	No. of Pairs	Cable O.D.	Packaging Kits Per Box	Kits Per Case	Per Kit
89-D1	1-4	¼"-⅝"	1	10	$5.56
89-D2	5-13	⅝"-1"	1	10	8.36
89-D3	14-26	1"-1-7/16"	1	10	14.30
8960	End Sealing Kits	¼"-¾"	1	10	10.97
8961		¾"-1-7/16"	1	10	13.27

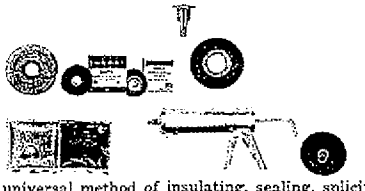
"SCOTCHCAST" BRAND ELECTRICAL INSULATING RESIN NO. 12



Resin No. 12 is a two-part liquid epoxy resin, packaged in the "UNIPAK" container, for blocking, sealing, repairing, or splicing rubber or synthetic insulated wire and cable. The mixing is done in, and the pouring from, this unique package. Features: Moisture and shock resistance; excellent sealing properties; will set solid in about one hour under average conditions.

Type	Fluid Ozs.	Packing Type	Case	Per Box Less 10
A	2¾	1/box	10	$1.98
B	6¾	1/box	10	3.45
C	12½	1/box	10	6.16

"SCOTCHCAST" BRAND RESIN PRESSURE MATERIALS NOS. P-1, P-5, P-3, P-4,



A universal method of insulating, sealing, splicing or terminating cables utilizing, as the insulator, "Scotchcast" Brand Resin No. 4. The resin saturates, under pressure, an on-the-job fabricated mold of open mesh spacer material. Adaptable to any size of cable or splice configuration.

Prod. No.	Description	Packaging Per Box	Per Case	Per Box
E-4	Resin Pressure Gun	1	...	$21.85
P-1	Injection Fitting	10	50	6.01
P-3	Spacer Tape	1	50	2.29
P-4	Restriction Tape	1	50	1.23
P-5	Nozzle	10	50	3.01
33	"SCOTCH" Brand Electrical Tape 1½" x 36 yds.	1	24	4.40
24	"SCOTCH" Brand Shielding Braid 1" x 15 ft.	1	12	2.56

"SCOTCHFLEX" BRAND FLAT CABLE SYSTEM NO. 700

A 4 conductor No. 26 AWG flat cable and accessories with pressure sensitive adhesive backing. Goes on any surface—tile, metal, wood, stone; no holes to drill; no stripping or soldering; neat attractive appearance—can be painted or hidden.



Prod. No.		Per Box	Each
700	Flat Cable* (100 ft. rolls)	1	$8.42
717	Terminal*	1	1.91
718	Tap Connector*	10	.86
719	Jack*	1	2.06
720	Corner Cover*	10	1.22‡
721	Transition*	10	1.30
E-14	Hand Roller	1	1.90
722	Plug*	1	1.14
724	Cable Cover (4 ft. pieces)	1	1.72

*Available in Ivory or Gray
‡Box.

"SCOTCHFLEX" BRAND ADHESIVE CABLE CLIPS NOS. 708, 710, 712, 713



"SCOTCHFLEX" Brand Adhesive Cable Clips are used to keep desks, floors and tables free from loose sagging telephone cable. "SCOTCHFLEX" Brand Cable Clips are backed with a foamy pressure sensitive adhesive that sticks aggressively to almost any surface. Easy to install. No screw holes. Neat in appearance. 20 clips per pouch, 5 pouches per box.

Prod. No.	Cable O.D. Range	Each
708	11/64" - 15/64"	$5.30
710	15/64" - 5/16"	5.98
712	19/64" - 13/32"	7.62
713	25/64" - ½"	9.27

Packaged 100 per box, 10 boxes per case.

"SCOTCHFLEX" BRAND ADHESIVE MOUNTING PLATES NOS. 735, 736, 738, 739, 740, 741, 742



Install anywhere to almost any surface quickly and easily. Available in a wide variety to accommodate all types of telephone terminals and connector blocks. Quick to install. No holes to drill. No cumbersome installation equipment.

Cat. No.	for use with	Cat. No.	for use with
735	WE42A, Murdock No. 39	740	Midwec DX1033, Allen GB-3291, SE700A
736	AE15000, D-150206	741	WE66E-25, R65E3-25, SE66E3-25
738	WE168E and 168F	742	WE-149A, SE149A, Wiremold 57P
739	WE44A or SE44A		

Cat No.	Per Box	per Case Boxes	Lbs.	Each
735	10	5	4	$0.47
736	10	5	4	.47
738	10	5	17	1.19
739	10	5	5	.58
740	10	5	10	.61
741	10	5	12	.56
742	10	5	8	.45

"SCOTCHCAST" BRAND PORCELAIN TERMINATION KITS 5900 SERIES



Each kit accommodates a wide range of cable sizes. Features a wet process porcelain insulator, sealed metal top cap, stress control tape, self-curing elastometric compound and a mechanical grounding strap.

Prod. No.	Maximum Conductor	Maximum KV	Packing	Per Kit
5903	4/0 AWG	15	1/box	$55.96
5904	4/0 AWG	25	1/box	61.29
5905	500 MCM	15	1/box	75.35
5906	500 MCM	25	1/box	82.88
5912	750 MCM	15	1/box	95.82
5913	750 MCM	25	1/box	105.41
MB-1	Mounting Bracket		1/box	4.52 ea.

"SCOTCH" BRAND VINYL PLASTIC ELECTRICAL TAPE NO. 33



"SCOTCH" Brand Electrical Tape No. 33 (made of vinyl plastic) has been proved and accepted over the years as a general purpose insulation. It has excellent resistance to flame, abrasion, sunlight, moisture, alkalies, solvents, oil and many acids. No. 33, with its quick sticking, strong holding, pressure-sensitive adhesive, provides excellent stretch and conformability—gives full electrical and mechanical protection with minimum bulk. Consistent handling properties assure tightly wrapped splices that will not loosen.

Cat. No.	Roll Sizes	Roll	Per Roll Less 10
33	¾" x 66 ft.	1/can	$1.40
33	¾" x 44 ft.	1/plastic box	.95
33	¾" x 20 ft.	10/ctn.	.53
33	⅜" x 20 ft.	10/ctn.	.33

Packaged 10 per carton, 100 per case.

"SCOTCH" BRAND ALL-WEATHER VINYL PLASTIC ELECTRICAL TAPE NO. 88



"SCOTCH" Brand Electrical Tape No. 88 with plastic backing has proved to be an excellent insulation under all weather conditions. For that extra pliability and conformability at winter temperatures, No. 88 is the tape for your operations.

Packaged 10 per carton, 100 per case.

Cat. No.	Size	Rolls	Per Roll Less 12
88	¾" x 66 ft.	1/can	$1.64
88	¾" x 44 ft.	1/plastic box	1.10
88	1½" x 44 ft.	1/box	2.19
88	¾" x 20 ft.	10/ctn.	.62

"SCOTCH" BRAND SPECIAL VINYL PLASTIC ELECTRICAL TAPE NO. 99



"SCOTCH" Brand Electrical Tape No. 99 is designed to perform in a continuous temperature environment up to 220° F. It combines a special oil-resistant vinyl backing with a super oil-resistant adhesive to assure positive insulation protection in applications subject to oil splash or oil immersion.

Packaged 10 per carton, 100 per case.

Cat. No.	Roll Sizes	Roll	Per Roll Less 10
99	¾" x 66'	1/can	$2.01
99	¾" x 44'	1/plastic box	1.35

"SCOTCH" BRAND VINYL PLASTIC ELECTRICAL TAPE NO. 35 FOR COLOR CODING

Color coding tape in eight fadeproof colors (red, white, blue, yellow, green, orange, gray, and brown) possesses all the properties of "Scotch" No. 33 Tape.

Cat. No.	Size	Roll	Per Roll Less 10
35	½" x 20'	1/Celo Pack	$0.40
35	¾" x 20'	10/Ctn.	.53
35	¾" x 66'	1/Can	1.40

Packaged 10 per carton except ½" x 20', 5 per carton; 100 per case.

"SCOTCH" BRAND ELECTRICAL SEMI-CONDUCTING TAPE NO. 13



A self-fusing, rubber base, semi-conducting tape for use on cable splices and terminations. No. 13 tape reduces electrical stresses in the area beneath the shielding continuation and around connectors and terminal lugs.

Packaged 10 per carton, 50 per case.

Cat. No.	Roll Sizes	Roll	Per Roll Less 10
13	¾" x 15'	1/box	$1.73

"SCOTCHFIL" BRAND ELECTRICAL INSULATION PUTTY



"SCOTCHFIL" Brand Electrical Insulation Putty is useful for filling voids and padding sharp edges of cable connectors, motor terminals, bus bars and tee connectors. It will not corrode copper.

Roll	Size	Roll	Per Roll Less 10
1	1½" x 60"	1/box	$1.61

Packaged 10 per carton, 50 per case.

"SCOTCH" BRAND ELECTRICAL TAPE NO. 23



Instant fusing, easy-to-use No. 23 provides excellent insulating and moisture-proofing qualities for high-voltage (including cross-linked polyethylene) and communication cable. It has unexcelled handling characteristics and excellent aging properties.

Cat. No.	Size	Roll	Per Roll Less 10
23	¾" x 30'	1/can	$1.42

Packaged 10 per carton, 50 per case except 2" which is 10 per case.

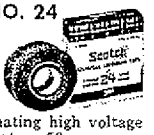
"SCOTCH" BRAND E-Z TAB STRESS CONE PENNANT NOS. 2330, 2340, 2360 and 2380



The "SCOTCH" Brand E-Z Tab Pennant is a one-piece triangular shaped ultra-violet and corona resistant insulating material that wraps on easily and fuses readily to provide a void free engineered stress relief cone. Packaged 10 per carton.

Prod. No.	Size	Roll	Per Roll Less 10
2330	6" x 30"	1/box	$1.86
2340	6" x 40"	1/box	2.08
2360	6" x 60"	1/box	2.48
2380	6" x 80"	1/box	2.86

"SCOTCH" BRAND ELECTRICAL SHIELDING TAPE NO. 24



"SCOTCH" Brand Electrical Shielding Tape No. 24 is a wire shielding braid in a flat, cable-like form. Easy to apply, it provides an effective replacement for the electrostatic shielding removed when splicing or terminating high voltage and communication cable. 10 per carton, 50 per case.

Cat. No.	Size	Roll	Per Roll Less 10
24	1" x 15'	1/box	$2.56
24	1" x 100'	1/box	12.26

"SCOTCH" BRAND ELECTRICAL TAPE NO. 27



All common wire splices in high-heat areas are easily insulated with glass cloth No. 27. Not harmed by heat, resists flame and has thermo-setting pressure-sensitive adhesive.

Prod. No.	Roll Size	Per Roll Less 10
27	½ in. x 66 ft.	$1.88
27	¾ in. x 66 ft.	2.80

Packaged 1 roll per can, 10 per carton, 50 per case.

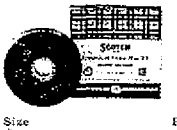
"SCOTCH" BRAND ELECTRICAL TAPE NO. 70



This high-temperature silicone rubber splicing tape is recommended as the sole insulation or overwrap for splices and terminations on all types of silicone cables, or where arc tracking is a problem. Rated at 180°C, No. 70 offers excellent resistance to weathering, tracking, arcing and ozone. 10 per carton, 50 per case.

Prod. No.	Roll Size	Roll	Per Roll Less 10
70	¾" x 30 ft.	1/box	$6.19

"SCOTCH" NO. 22 ELECTRICAL TAPE



.010" thick, 36 yard rolls. Extra mechanical strength for insulating large cable splices, transformers, bus bars, etc.

Size In.	Packaging Roll	Per Roll Less 10
¾	1/box	$2.34
1	1/box	2.93

"SCOTCHKOTE" ELECTRICAL COATING



A fast drying sealant and bonding agent for use with plastic electrical tape where severe oil, acid, alkali or corrosive conditions exist.

Size	Case	Per Can Less 10
8 oz.	50	$1.75

"SCOTCHCAST" BRAND TERMINATION KITS NOS. 83-A3, 83-B3



Fast, easy, economical and effective, these kits contain all the materials needed for terminating any single conductor cable (lead, rubber or synthetic insulated) nominal rated voltage (phase to phase) 20 KV. Kits incorporate the unique preformed stress relief cone and "UNIPAK" Brand container. Kit No. 83-A3 is designed for use in weather exposed (outdoor) or high conductive contaminate areas, Kit No. 83-B3 for weather protected (indoor) or low contaminate areas.

Prod. No.	Primary Insulation Diameter Range	Max. Sheath Dia.	Packing	Per Kit
83-A3	.062" to 1.15"	1½"	1/box	$32.98
83-B3	.062" to 1.15"	1⅛"	1/box	32.98

"SCOTCHCAST" BRAND ELECTRICAL INSULATING RESIN NO. 4



Natural adhesive qualities and compatibility with all solid and synthetic cable insulations and sheaths makes No. 4 an excellent insulator and sealer. Pre-measured, two-part epoxy resin packaged in the unique "UNIPAK" Brand container for easy mixing. Packaged 1 per box, 10 per case.

Product Number	Unipak Brand Container Size	Fluid Ozs.	Per Box Less 10
Resin..No. 4	F	1⅜	$1.47
	A	2¾	2.04
	B	6¼	3.37
	C	12½	6.32

"IRVINGTON" BRAND ELECTRIC ARC AND FIRE PROOFING TAPE NO. 7700

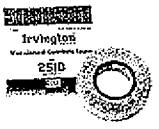


Insulates high voltage cables from electric arc and fire damage while protecting adjacent cables. No. 7700 is moisture, weather, and corrosion resistant—won't rot, flake, or disintegrate. Goes on fast, No. 7700 is light weight and conformable—easy to handle in cramped spaces.

Packaged 10 per carton.

Prod. No.	Roll Size	Roll	Per Roll Less 10
7700	3" x 20 ft.	1/box	$8.66
	1½" x 20 ft.	1/box	4.56

"IRVINGTON" BRAND ELECTRICAL TAPES NOS. 2510, 2520



A bias-cut cambric tape impregnated with a high grade electrical varnish. Conformability and high electric strength, low power factor. No. 2520 with adhesive; No. 2510 without adhesive.

Prod. No.	Roll Size	Per Roll Less 10
2510	¾" x 60 ft.	$1.14
2520	¾" x 60 ft.	1.44

Packaged 1 roll per box, 10 per carton, 50 per case.

"IVI-SPRAY" BRAND ELECTRICAL SEALER NO. 2530



Handy spray can provides fast drying protection against corrosion and gives added protection on wire and cable splices where resistance to oils, acids, corrosive atmospheres, and moisture is required.

Product Number	Color	Type	Per Can Less 12
2530	Red	12 oz.	$2.50

Packaged 12 per carton, 48 per case.

PLYMOUTH SPLICING COMPOUNDS

PLYMOZONE SPLICING COMPOUND



For maximum high-voltage resistance to ozone and moisture. Plymozone ozone-resisting splicing compound exceeds ASTM D-1373. Plymozone withstands four times the ozone concentration used as ASTM standard. Packed in individual tin cans.

No.	Roll Size	Rolls/ Ctn.	Each
2022	¾"x30'	40 Tins	$0.97

PLYMPRENE NEOPRENE SPLICING COMPOUND



A highly weather-resistant splicing tape for maximum protection against oils, alkalies, and weather extremes. Use on neoprene wire for both insulating and jacketing. Packed in individual tin cans.

No.	Roll Size	Rolls/ Ctn.	Each
2071	¾"x30'	40 Tins	$0.92

PLYMOUTH TAPES

SLIPKNOT CW COLD WEATHER PLASTIC TAPE



Slipknot CW is the true all-weather tape that unrolls and sticks in zero weather like other tapes do at room temperature. Preferred all year 'round because of its superb conformability. Application temperature range of —14° F. to 176° F. (.0085" thick)

Nos.	Roll Size	Rolls/Pk.	Each
3164	¾"x66'	1/Disp.	$1.62
3240	¾"x66'	1/Tin	1.62
3171	¾"x20'	12/Tube	.61
3182	½"x108'	1/Ctn.	2.21
3183	¾"x108'	1/Ctn.	2.71
3184	1"x108'	1/Ctn.	3.40

SLIPKNOT NO. 15 SEMI-CONDUCTING TAPE



An unsupported self-fusing butyl rubber conductive shielding tape for power cable splices and electrical stress relief in terminations. Conforms easily and completely around irregular contours and fuses into a solid, void-free layer.

No.	Roll Size	Rolls/Pk.	Each
2104	¾"x15'	1/Ctn.	$1.66

SLIPKNOT NO. 25 HIGH VOLTAGE SPLICING TAPE



Made from a special synthetic rubber compound, highly compatible with other synthetic rubbers. Self-fuses into solid wall of insulation. Excellent electrical and mechanical properties. Resistant to ozone, ultraviolet light, heat.

No.	Roll Size	Rolls/Pk.	Each
2100	¾"x30'	1/Ctn.	$1.36
2109	1"x30'	1/Cello	1.63

SLIPKNOT NO. 50 ARC-PROOFING TAPE

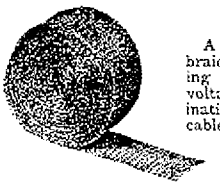


An electrical arc- and fire-proofing tape providing the ultimate in protection for high voltage, control and communication cables. Ideal for underground use. Exceptionally thick (.055") and pure white. Easily workable.

No.	Roll Size	Rolls/Pk.	Each
3318	1½"x20'	1/Ctn.	$ 4.56
3313	3"x20'	1/Ctn.	8.66
3348	20"x20'	1/Ctn.	52.00

PLYMOUTH TAPES

SLIPKNOT SHIELDING BRAID



A flexible tinned copper braid for electrostatic shielding and grounding in high voltage cable joints and terminations. Spirals easily around cable splice or terminal.

No.	Roll Size	Rolls/Pk.	Each
5415	1"x15'	1/Ctn.	$ 2.44
5416	1"x100'	1/Ctn.	11.70

SLIPKNOT NO. 45 COLOR-CODING TAPE



Thin, pressure-sensitive vinyl tape in six colors (red, white, blue, orange, yellow, green) for fast, permanent color coding in accordance with existing GSA and local electrical codes. Accommodates any size wire or conduit. Conforms completely to irregular surfaces.

Nos.	Roll Size	Rolls/Pk.	Each
3165*	½"x20'	6/Disp.	$1.65
3166	½"x20'	12/Ctn.	.27
3267	¾"x20'	12/Ctn.	.37
3113	½"x108'	12/Ctn.	1.17

*Six pack of assorted colors.

SLIPKNOT FILLER TAPE



Electrical insulating putty for filling voids and building up around sharp edges of connectors, etc. Molds perfectly under finger pressure. Designed for use with Slipknot Plastic Electrical Tapes. Packed in individual cartons.

No.	Roll Size	Rolls/ Ctn.	Each
2074	1½"x60"x⅛"	48	$1.53

SLIPKNOT GREY VINYL ALL WEATHER ELECTRICAL TAPE



The true all-weather tape.

Slipknot Grey applies perfectly from 0° to 100° F maintaining its flexibility and excellent adhesion across the entire temperature range. The Grey color blends completely with electrical systems. packed in an economical 72' roll in a pop-top can.

Nos.	Roll Size	Rolls/Pk.	Each
3472	¾"x72'	1/Can	$1.39
3448	¾"x48'	1/Plastic Box	.94
3422	¾"x22'	10/Tube	.52

SLIPKNOT ANTI-CORROSION PIPE-WRAPPING TAPE

A barrier that stops corrosion of both buried and overhead pipe and conduit. Meets electrical code requirements for protecting conduit in concrete. Self-sticking polyvinyl chloride (PVC) — 2", 4", and 6" wide. Slipknot #100 (.010" thick) for most applications. Slipknot #120 (.010" thick) green for cold weather applications. Slipknot #200 (.020" thick) for heavy-duty applications.

Cat. No.	No.	Description	Standard Package	Per 100 Sq. Ft.
3069	100	.010"	400 Sq. Ft.	$18.40
3210	120	.010"	400 Sq. Ft.	20.45
3070	200	.020"	400 Sq. Ft.	29.45

PLYMOUTH SPLICE KITS

SERIES SK-700 SLIPKNOT CABLE SPLICING KITS



Used for spicing all solid dielectric shielded and non-shielded, grounded and ungrounded, aerial and URD power cables ranging up to 15 KV, and from No. 4 AWG to 1500 MCM.

There is enough material included in each kit to make one complete splice per conductor. Order 3 kits for 3-conductor cables, etc.

Kit No.	Volt. Range	Cable Range	Each
		Shielded Cables	
SK-701	5-8KV	4 AWG thru 4/0	$22.60
SK-702	5-8KV	250 MCM thru 1000 MCM	25.35
SK-703	9-15KV	4 AWG thru 2 AWG	26.70
SK-704	9-15KV	1 AWG thru 250 MCM	32.15
SK-705	9-15KV	300 MCM thru 1500 MCM	41.75
		Non-Shielded Cables	
SK-706	Up to 5KV	4 AWG thru 250 MCM	16.40
SK-707	Up to 5KV	300 MCM thru 1500 MCM	22.45

GRAYBAR TAPES AND COMPOUNDS

PREMIUM BROWN FRICTION TAPE



Highest quality friction tape. Premium adhesive and tensile strength qualities. Best electrical properties. All because natural brown rubber is used as base of compound. Extra footage per roll. Packaged in 10-roll container.

No.	Size	Ft. in Roll	Packed	Each
9483	8	70	10-roll Shop Pack	$6.10

AMAZON ASTM FRICTION TAPES



High quality friction tape guaranteed to meet or exceed all ASTM and U.S. Government specifications. Extremely abrasion resisting. Has excellent tensile and adhesive qualities. Long lasting, will not dry out, non-ravelling. Protected by moisture-proof wrapping in sturdy cardboard carton.

Nos.	Size	Ft. in Roll	Packed	Per Roll
9381	8	82½	Cello-Label	$0.56

STICKA BLACK FRICTION TAPES



High quality friction tape, non-ravelling and suitable for all application where friction tape is indicated.

Strong, abrasion-resisting, and very adhesive.

Free from pinholes, will not dry out. Rolls packed in moisture-proof wrapping.

Nos.	Size	Ft. in Roll	Packed	Per Roll
9181	8	60	Cello-Label	$0.46

AMAZON ASTM SPLICING COMPOUNDS

Rubber Tape



Manufactured from a higher grade rubber compound.

Will meet and exceed requirements of all U.S. Government and ASTM specifications. Self-vulcanizing, will conform to all splices so as to give complete insulation. Strong in tensile and extremely flexible.

Dielectricstrength:350 volts per mil. of thickness.

Nos.	Size	Ft. in Roll	Packed	Per Roll
9681	8	30	Cello-Label	$0.61

VICTOR SPLICING COMPOUNDS

Rubber Tape



An excellent quality Splicing Compound designed for use on all regular circuits.

Extremely strong and elastic. Seals splices against all moisture and dirt.

Dielectric strength: 300 volts per mil. of thickness.

Nos.	Size	Ft. in Roll	Packed	Per Roll
9581	8	23	Cello-Label	$0.54

Prices are for ¾-in. wide tape in moisture-proof wrapping in a carton.

Prices on widths other than ¾-in. on request.

PERMACEL* 29

PLASTIC ELECTRICAL TAPE



29L 4 rolls ¾" x 66' In Reusable Plastic Box



29J ¾" x 20'



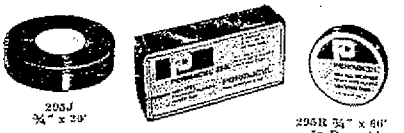
29R ¾" x 66' In Reusable Plastic Box

For insulating wire splices. Replaces bulky rubber and friction tape. Extremely conformable. Meets all applicable military, utility, federal, and municipal specifications. .007" thick. U.L. approved.

Cat. No.	Size	Rolls/ Case	Each
29J	¾" x 20'	144	$0.50
29L	¾" x 66'	48	1.39
29R	¾" x 66'	48	1.39

PERMACEL* 295

ALL WEATHER, HEAVY DUTY, PLASTIC ELECTRICAL TAPES



295J ¾" x 20'

295L 4 rolls ¾" x 66' In Reusable Plastic Box

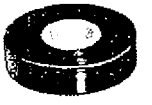
295R ¾" x 66' In Reusable Plastic Box

The only plastic electrical tape guaranteed to stick and stay at 0°F. or your money back. At temperatures as low as 0°F., 295 unrolls easily, is flexible and conformable, adheres securely, and makes a permanent, weatherproof splice. .0085" thick. U.L. approved.

Cat. No.	Size	Rolls/ Case	Each
295J	¾" x 20'	48	$0.60
295L	¾" x 66'	48	1.62
295R	¾" x 66'	48	1.62

PERMACEL* 30

PLASTIC ELECTRICAL TAPE



For heavy duty insulation. .010" thick U.L. approved.

Cat. No.	Size	Rolls/ Case	Each
30	½" x 36 yds.	72	$1.61
30	¾" x 36 yds.	48	1.98
30	1" x 36 yds.	36	2.47



RIBBON DOPE*

THREAD SEALANT

PERMACEL 412. For sealing of critical pipe joints. Resists acids, solvents and other chemicals. Effective at temperatures from −450°F. to +500°F. Replaces all other types of pipe dope. New plastic spool package prevents contamination.

Cat. No.	Size	Rolls/ Case	Each
412	¼" x 260"	48	$0.71
412	½" x 260"	48	1.43
412	¾" x 520"	48	1.09
412	½" x 520"	48	2.19

PERMACEL*

PIPE WRAP TAPES

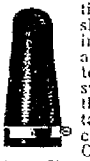


For protection of underground and overhead piping from corrosion. 306 is a 10 mil. vinyl tape. 307 is a 20 mil. vinyl tape. 308 is a 14 mil. polyethylene tape.

Contact us for pricing.

*Trademark.

HYSEAL CABLE END CAPS



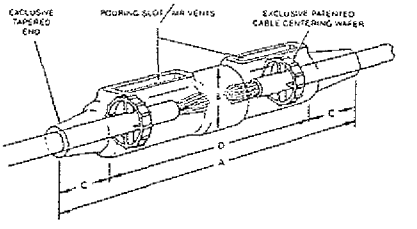
Provide positive moistureproof, airtight seals on plastic, rubber or lead sheathed cable. Economical and easy to install — simply slip on cable until snug and tighten the stainless steel clamp. Use to seal reel ends, to maintain gas pressure during shipment or storage and in the field before splices are made. The tapered design provides a precise fit to compensate for cable size variations. Only 4 caps are necessary to seal cables from ⅜" to 4" in diameter. Stainless steel clamps are adjustable for full diameter range of caps.

Cat. No.	Cable Size, In.	Each
	Non-Pressurized	
CC 11004	⅜ to 1	$1.00
CC 12005	1 to 2	1.10
CC 13006	2 to 3	1.60
CC 14007	3 to 4	3.60
CC 14010	3 to 4	3.95
	Pressurized	
CCV 11004	⅜ to 1	1.60
CCV 12005	1 to 2	1.70
CCV 13006	2 to 3	2.05
CCV 14007	3 to 4	4.45
CCV 14010	3 to 4	5.10

HYSEAL® EPOXY SPLICE KITS

FOR SOLID ENCAPSULATION OF POWER AND COMMUNICATION SPLICES





Features a cable centering device that assures maximum insulation around the cable. Air vents eliminate air entrapment. Self-sealing tapered ends on the flexible case provide positive seal to cable contours without taping. Specially designed filling and ventilating spouts are integral parts of the case and eliminate leak-loss of encapsulating resin. Recommended for up to 600V.

Cat. No.	Size, In. A	B	C	D	Range of Cable Size, In.	Each
E 1100	10	1	2	6	¼ to ¾	$ 4.60
E-1130	14	1½	2½	9	⅜ to 1	6.90
E-1200	19	2	2½	14	1 to 1½	11.40
E 1250	20	2½	3	14	1½ to 2	14.30
E 1300	22	3	3½	15	2 to 2½	17.25

REA APPROVED: E 1100-2 — Same as E 1100 except Kit includes a Shield Bonding Harness.

HYSOL EPOXI-PATCH® KITS

FOR BONDING, SEALING AND REPAIRING MOST MATERIALS

Molecular Action Adhesive-Sealant



Bond aluminum, glass, iron, wood, ceramics, cement. Seal pipes and vessels, bushings, seams, ducts, glass, motors. Repair printed circuits, storage tanks, porcelain and tile, metal equipment, plastics, tools, boats. No critical weighing required. Mix only amount needed—no waste, 100% solids, no solvents — no fire hazard. Usable at once and non-toxic after cure.

Cat. No.	Description	Color	Each
1C	Gen'l. Purpose	White	$1.95
3X	Shock Resistant	Dk. Grey	2.20
6C	Aluminum Filled	Grey	2.00
73C	Iron Filled	Black	2.26
38C	Bronze Filled	Bronze	2.36
0266	High Strength	Brown	3.09
0151	Reading Clear	Clear	2.95
309	Fast Cure	Grey	2.87
CK1A	Small Gen'l Purpose	White	1.49

1C Kits available in these standard colors: 11C, Black; 56C, White; 65C, Pink; 70C, Light Blue; 0127, Yellow; 75C, Red; 0126, Blue.

BUSS ONE-TIME FUSES

NON-RENEWABLE


1 to 60 ampere


70 to 600 ampere

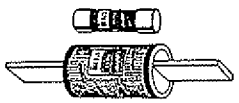
Carry Underwriters' Laboratories listed label.

EACH

250 Volts Symbol and Amperes	Less Than $25.00 Value	600 Volts Symbol and Amperes	Less Than $25.00 Value
Ctn. Qty. 10			
NON1		NOS1	
NON3		NOS3	
NON6		NOS6	
NON10		NOS10	
NON15	$0.13	NOS15	$0.66
NON20		NOS20	
NON25		NOS25	
NON30		NOS30	
Ctn. Qty. 10			
NON35		NOS35	
NON40		NOS40	
NON45	.24	NOS45	.99
NON50		NOS50	
NON60		NOS60	
Ctn. Qty. 5			
NON70		NOS70	
NON80	1.04	NOS80	
NON90		NOS90	2.12
NON100		NOS100	
Ctn. Qty. 1			
NON110		NOS110	
NON125		NOS125	
NON150	2.37	NOS150	4.13
NON175		NOS175	
NON200		NOS200	
Ctn. Qty. 1			
NON225		NOS225	
NON250		NOS250	
NON300	4.28	NOS300	8.23
NON350		NOS350	
NON400		NOS400	
Ctn. Qty. 1			
NON450		NOS450	
NON500	6.48	NOS500	11.85
NON600		NOS600	

LIMITRON FUSES

FAST-ACTING



Symbol KTN — 250 Volts or less.
Symbol KTS — 600 Volts or less.

Limitron fuses have exceptionally fast opening characteristics. Their high speed operation limits fault currents to very low values. Limitron fuses have an interrupting rating of 200,000 amperes in both 250 and 600 volt ranges.

EACH

Amps.	Less Than $25.00 Value KTN	KTS	Amps.	Less Than $25.00 Value KTN	KTS
Ctn. Qty. 10			Ctn. Qty. 1		
1			90	$5.98	$7.27
3			100		
6			Ctn. Qty. 1		
10	$1.10	$1.38	125		
15			150	12.10	14.65
20			175		
25			200		
30			Ctn. Qty. 1		
Ctn. Qty. 10			225		
35			250		
40			300	21.10	24.00
45	$2.60	3.13	350		
50			400		
60			Ctn. Qty. 1		
Ctn. Qty. 1			450		
70	5.98	7.27	500	26.75	31.00
80			600		

U/L Listed as Class L fuses to interrupt 200,000 amperes rms symmetrical at 600 volts or less a.c.
Carton quantity one.

Symbol & Amps.	Each	Symbol & Amps.	Each
KTU600	$33.10	KTU2000	$93.50
KTU601	48.75	KTU2500	117.50
KTU650	48.75	KTU3000	140.50
KTU800	48.75	KTU3500	187.00
KTU1000	48.75	KTU4000	187.00
KTU1200	48.75	KTU4500	233.60
KTU1500	74.90	KTU5000	233.60
KTU1600	74.90	KTU6000	280.90
KTU1800	93.50	.....	.....

SUPER-LAG RENEWABLE FUSES

N. E. C. Standard


1 to 60 Amperes


70 to 600 Amperes

Every Super-Lag fuse carries Underwriters' Laboratories, listed label.

EACH

250 Volts Symbol and Amperes	Less Than $25.00 Value	600 Volts Symbol and Amperes	Less Than $25.00 Value
Ctn. Qty. 10			
REN1		RES1	
REN2		RES2	
REN3	$0.66	RES3	$1.63
REN4		RES4	
REN5		RES5	
Ctn. Qty. 10			
REN6		RES6	
REN10		RES10	
REN15	.61	RES15	1.54
REN20		RES20	
REN25		RES25	
REN30		RES30	
Ctn. Qty. 10			
REN35		RES35	
REN40		RES40	
REN45	1.22	RES45	2.41
REN50		RES50	
REN60		RES60	
Ctn. Qty. 5			
REN70		RES70	
REN80	2.69	RES80	5.43
REN90		RES90	
REN100		RES100	
Ctn. Qty. 1			
REN110		RES110	
REN125		RES125	
REN150	6.03	RES150	10.53
REN175		RES175	
REN200		RES200	
Ctn. Qty. 1			
REN225		RES225	
REN250		RES250	
REN300	10.84	RES300	21.00
REN350		RES350	
REN400		RES400	
Ctn. Qty. 1			
REN450		RES450	
REN500	16.56	RES500	25.00
REN600		RES600	

SUPER-LAG RENEWAL FUSE-LINKS


3 to 60 Amperes


70 to 600 Amperes

Interchangeable with all makes of standard fuse links.

EACH

250-Volt Links Symbol and Amperes	Less Than $25.00 Value	600-Volt Links Symbol and Amperes	Less Than $25.00 Value
Ctn. Qty. 20			
LKN-1		LKS1	
LKN2		LKS2	
LKN3	$0.074	LKS3	$0.17
LKN4		LKS4	
LKN5		LKS5	
Ctn. Qty. 20			
LKN6		LKS6	
LKN10		LKS10	
LKN15	.031	LKS15	.074
LKN20		LKS20	
LKN25		LKS25	
LKN30		LKS30	
Ctn. Qty. 20			
LKN35		LKS35	
LKN40		LKS40	
LKN45	.062	LKS45	.13
LKN50		LKS50	
LKN60		LKS60	
Ctn. Qty. 10			
LKN70		LKS70	
LKN80	.14	LKS80	.27
LKN90		LKS90	
LKN100		LKS100	
Ctn. Qty. 5			
LKN110		LKS110	
LKN125		LKS125	
LKN150	.30	LKS150	.54
LKN175		LKS175	
LKN200		LKS200	
Ctn. Qty. 5			
LKN225		LKS225	
LKN250		LKS250	
LKN300	.55	LKS300	1.04
LKN350		LKS350	
LKN400		LKS400	
Ctn. Qty. 2			
LKN450		LKS450	
LKN500	.85	LKS500	1.50
LKN600		LKS600	

BUSS ONE-TIME FUSES

BUSS ONE-TIME MIDGET FUSES

*250 Volt, ¹⁄₂ x 1¹⁄₂ inch. Are made with the same engineering and care as all products carrying the BUSS trade mark — hence provide dependability and accuracy.

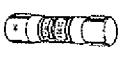


Symbol and Amperes	EACH Less Than $25.00 Value
*BAF 1	
*BAF 3	
*BAF 6	
*BAF 10	
*BAF 15	$0.12
†BAF 20	
†BAF 25	
†BAF 30	

*Listed by Underwriters' Laboratories, Inc.
†125 Volt.

FUSETRON dual-element FUSES

250 AND 600 VOLT





Fusetron dual-element fuses are the most modern electrical protective device and are made to fit ordinary fuse holders. They have many distinct advantages over other protective devices. When used throughout the entire electrical system they offer types of protection heretofore not available.

Fusetron dual-element fuses have a fuse link element and a thermal cutout element. The result: fuses with tremendous time-lag and much less electrical resistance.

EACH

250 Volt Symbol and Amperes	Less Than $25.00 Value	600 Volt Symbol and Amperes	Less Than $25.00 Value
FRN-		FRS-	
Ctn. Qty. 10			
1/10		1/10	
15/100		15/100	
2/10		2/10	
3/10		3/10	
4/10		4/10	
1/2		1/2	
6/10		6/10	
8/10		8/10	
1		1	
1 1/8		1 1/8	
1 1/4		1 1/4	
1 4/10		1 4/10	
1 6/10		1 6/10	
1 8/10		1 8/10	
2		2	
2 1/4		2 1/4	
2 1/2	$0.48	2 1/2	$1.12
2 8/10		2 8/10	
3 2/10		3 2/10	
3 1/2		3 1/2	
4		4	
4 1/2		4 1/2	
5		5	
5 6/10		5 6/10	
6 1/4		6 1/4	
7		7	
8		8	
9		9	
Ctn. Qty. 10			
10		10	
12		12	
15		15	
17 1/2	.45	17 1/2	1.03
20		20	
25		25	
30		30	
Ctn. Qty. 10			
35		35	
40		40	
45	.85	45	1.78
50		50	
60		60	
Ctn. Qty. 5			
70		70	
80	1.94	80	3.74
90		90	
100		100	
Ctn. Qty. 1			
110		110	
125		125	
150	4.23	150	7.37
175		175	
200		200	
Ctn. Qty. 1			
225		225	
250		250	
300	7.68	300	14.75
350		350	
400		400	
Ctn. Qty. 1			
450		450	
500	11.69	500	21.70
600		600	

BUSS HIGH VOLTAGE FUSES

BUSS R-RATED FUSES

For motor and motor-control short-circuit protection. Interrupting rating for BUSS JCL fuse is 80,000 amperes rms asymmetrical at 5000 volts and 60,000 amperes rms asymmetrical at 5500 volts. BUSS JCK fuse has a 60,000 ampere rms asymmetrical interrupting rating at 2750 volts.

Carton quantity one.

Symbol	Rating	Each	Symbol	Rating	Each
JCK	2R	$37.00	JCL	2R	$37.00
JCK	3R	37.00	JCL	3R	37.00
JCK	4R	37.00	JCL	4R	37.00
JCK	6R	76.00	JCL	6R	76.00
JCK	9R	76.00	JCL	9R	76.00
JCK	12R	76.00	JCL	12R	76.00
JCK	18R	106.70	JCL	18R	106.70
JCK	24R	106.70	JCL	24R	106.70

BUSS E-RATED FUSES

For use in primary circuits of potential transformers, small service transformers and control transformers. Interrupting rating, 60,000 amperes asymmetrical at 5500 volts.

Carton quantity one.

Symbol	Rating	Each	Symbol	Rating	Each
JCW	1/2E	$9.20	JCW	3E	$9.20
JCW	1E	9.20	JCW	5E	9.20
JCW	2E	9.20	....	..	.....

LOW-PEAK FUSES

Current-Limiting—Dual-Element

250 and 600 Volt



9 to 60 Ampere



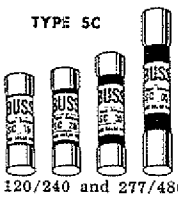
70 to 600 Ampere

CATALOG NUMBERS:

250 Volt — LPN plus Ampere
600 Volt — LPS plus Ampere

Amp.	EACH 250 Volt (LPN) Less Than $25.00 Value	EACH 600 Volt (LPS) Less Than $25.00 Value	Amp.	EACH 250 Volt (LPN) Less Than $25.00 Value	EACH 600 Volt (LPS) Less Than $25.00 Value
1/10			10		
15/100			12		
2/10			15		
3/10			17½	$1.15	$1.55
4/10			20		
1/2			25		
6/10			30		
8/10			35		
1			40		
1⅛			45	2.87	3.48
1¼			50		
1-4/10			60		
1-6/10			70		
1-8/10			80	6.73	8.04
2	$1.15	$1.55	90		
2¼			100		
2½			125		
2-8/10			150	13.35	16.27
3-2/10			175		
3½			200		
4			225		
4½			250		
5			300	23.25	26.46
5-6/10			350		
6¼			400		
7			450		
8			500	27.70	34.20
9			600		

Carton Qty.: Up to 60 Amp.—10. Over 60 Amp.—1.



Designed to meet the protection requirements of the ever increasing electrical load in homes, commercial and industrial locations.

Interrupting rating of 100,000 amperes at 300 volts or less to ground. Can safely handle heavy fault currents on 120/208, 120/240 and 277/480 volt circuits.

Type SC fuses are ⅜" in diameter but their lengths vary with the ampere rating. This avoids possible errors in replacing fuses. Color coded to assist in identifying right ampere fuses.

Symbol	Amps.	Length Inches	Dia. of Tube, Ins.	Ctn. Quan.	Each Less Than $25.00 Value
SC 1	1	1⅞	⅜	4	$0.42
SC 3	3	1⅞	⅜	4	.42
SC 5	5	1⅞	⅜	4	.42
SC 6	6	1⅞	⅜	4	.42
SC10	10	1⅞	⅜	4	.32
SC15	15	1⅞	⅜	4	.32
SC20	20	1⅞	⅜	4	.32
SC25	25	1⅝	⅜	4	.57
SC30	30	1⅝	⅜	4	.57
SC35	35	2¼	⅜	2	.61
SC40	40	2¼	⅜	2	.61
SC45	45	2¼	⅜	2	.61
SC50	50	2¼	⅜	2	.61
SC60	60	2¼	⅜	2	.61

Carton Qty.: Up to 35 Amp.—4. Over 35 Amp.—2.

BUSS FUSES

¼ x 1¼-INCH FUSETRON FUSES



1/100 & 1/32 amp.

Voltage	Symbol and Amperes	Each Less Than $25.00 Value
250 or less	MDL 1/16	
250 or less	MDL 1/10	
250 or less	MDL 3/16	
250 or less	MDL 2/10	$0.26
250 or less	MDL 3/10	
250 or less	MDL 4/10	
250 or less	MDL 8/10	
125 or less	MDL 1-6/10	.25
32 or less	MDL 10	.19
32 or less	MDL 20	

FUSE AND HOLDER COMBINATIONS

Non-Indicating — In-The-Line or Panel Mounted

For Voltages of 300 or Less



In these fuse and holder combinations the fuse and knob are in one piece. When fuse blows, the entire fuse-knob assembly is replaced. Safeguards against use of wrong type of fuse.

	Each
Type HLR Fuseholder	$0.52
No. 6374 Snap-In Steel Clip for mounting HLR	.042

GLR BUSS GLASS TUBE FUSES

Single-Element — Quick-Blowing Type

For HLR Fuseholders

Symbol & Amperes	Each	Symbol & Amperes	Each
	300 Volts or Less		
GLR ¼	$0.24	GLR 4	$0.12
GLR 1	.12	GLR 5	.12
GLR 1¼	.12	GLR 6	.12
GLR 1-6/10	.12	GLR 7	.13
GLR 2	.12	GLR 8	.13
GLR 2½	.12	GLR 9	.13
GLR 3	.12	GLR 10	.13

For "slow-blowing" type for HLR holder specify symbol GMF.

	Each
½ to 6¾ amp.	$0.33

HI-CAP FUSES



Amperes	Symbol KLC KLE KLF KLP KLR — Each	Symbol KRP-C KRC KRE KRF-C KRP KRR-C — Each
650	$72.25	$55.95
800	72.25	55.95
1000	72.25	55.95
1200	72.25	55.95
1500	105.25	74.90
1600	105.25	74.90
1800	139.00	93.50
2000	139.00	93.50
2500	163.90	117.50
3000	163.90	140.50
3500	216.75	187.00
4000	216.75	187.00
4500	249.40	233.60
5000	249.40	233.60
6000	.....	280.90*

*KRP, KRP and KRC only.

KLF and KRF are available only in sizes up to 2000 amperes.

Sizes not listed are available in amperages from 601 to 6000.

BUSS Sub-Miniature FUSES

For Use Where Space Is At A Premium

Sub-Miniature Fuseholder Combination

Buss sub-miniature fuses offer light weight, space-saving protection for miniaturized devices — or gigantic multi-circuit electronic devices.

TRON Pigtail FUSES



Tron fuses are hermetically sealed and can be potted or encapsulated without danger of sealing material affecting operation — not affected by atmospheric or surrounding conditions. For use on circuits of 125 volts or less where available fault current is not over 50 amperes. Available in ratings from 1/100 to 15 amperes with either 1½ inch axial pigtails or 1 inch right angle pigtails.

Prices on request.

BUSS GLASS TUBE FUSES

For Protection of Television, Instruments and Electronic Equipment

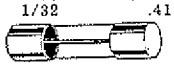


Formerly called 8AG. Dimensions ¼ x 1-inch, glass tube. Provide high speed action necessary to protect sensitive instruments.

Test specification—carry 100%, open at 200% in 5 seconds.

Voltage — 250 or Less

Symbol and Amperes	Each Less Than $25.00 Value	Symbol and Amperes	Each Less Than $25.00 Value
AGX-		AGX-	
1/500	$1.28	1/100	$0.47
1/200	.55	1/32	.41

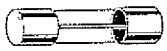


Formerly called 8AG. Dimensions ¼ x 1-inch, glass tube. Provide high speed action necessary to protect instruments.

Test Specification—carry 100%, open at 200% in 5 seconds. AGX are listed as approved by Underwriters' Laboratories, Inc.

Symbol and Amperes	Each — 250 Volts or Less — Less Than $25.00 Value	Symbol and Amperes	Each — 125 Volts or Less — Less Than $25.00 Value
AGX-		AGX-	
⅛	$0.26	¾	$0.12
⅙	.19	1	.084
¼	.12	1½	.084
....	....	2	.084

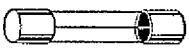
¼ x 1-INCH BUSS FUSES



Formerly called 8AG. Glass tube. Test Specification — carry 110%, open at 135% in 1 hour. 125 volt sizes listed as approved by Underwriters' Laboratories, Inc.

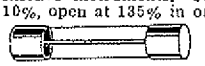
Symbol and Amperes	Each — 125 Volts or Less — Less Than $25.00 Value	Symbol and Amperes	Each — 32 Volts or Less — Less Than $25.00 Value
AGX-		AGX-	
3	$0.084	20	$0.065
5	.065	....	.....

¼ x 1¼-INCH BUSS GLASS TUBE FUSES



AGC 1/16 to ½

Formerly called 3AG. Provide high speed action necessary to protect sensitive instruments. Test Specifications—carry 110%, open at 135% in one hour or less.



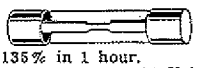
AGC 3 & 4 & MTH 4, 5 and 6

Formerly called 3AG. Test Specification—carry 110%, open at 135% in one hour. Listed as approved by the Underwriters' Laboratories, Inc.

250 Volts or Less

Symbol and Amperes	Each Less Than $25.00 Value	Symbol and Amperes	Each Less Than $25.00 Value
AGC-		AGC-	
⅛	$0.19	1½	$0.084
¼	.12	2	.084
⅜	.12	3	.084
½	.12	MTH-	
¾	.12	4	.10
1	.084	5	.10
		6	.10

¼ x 1¼-INCH BUSS GLASS TUBE FUSES



Formerly called 3AG. Test Specifications — carry 110%, open at 135% in 1 hour.

32 Volts or Less

Symbol and Amperes	Each Less Than $25.00 Value	Symbol and Amperes	Each Less Than $25.00 Value
AGC-		AGC-	
4	$0.084	10	$0.065
6	.065	15	.065
6	.065	20	.065
7½	.065	25	.065
.....	.....	30	.065

BUSS HOLDER AND FUSE ASSEMBLIES



Provide simplest way to protect spot lights, radios or any instrument or equipment. Consists of in-the-line holder with fuse and 19-inch loop of No. 14 wire already staked and soldered to terminals. Plenty of wire to make installation easy. Holder can also be mounted on panel up to ⅜ inch thick by use of a spring nut furnished with assembly.

Cat. No.	Complete With:	Each Less Than $25.00 Value
HRJ	SFE 20 Fuse	$0.43
HRI	SFE 14 Fuse	.43
HRH	SFE 9 Fuse	.43

BUSS FUSES

HKP FUSEHOLDER
For 1/4 x 1 1/4 Inch Fuses

Normal current carrying capacity 30 amperes. Knob grips fuse tightly and pulls it from the holder when knob is removed. Listed by Underwriters' Laboratories, Inc. for 15 ampere rating for any voltage up to 250.

Type	Type Mounting	Fuse Voltage	Normal Current Carrying Caps.	Each
HKP	Panel	250 or less	30	$0.43

HCM FUSEHOLDER
For ⅜ x 1¼ Inch Fuses

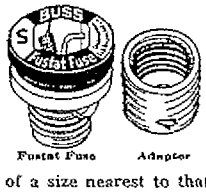
Normal current carrying capacity 18 amperes. Knob grips ⅜ x 1¼ fuse tightly and pulls it from holder when knob is removed. For ¼ x 1¼ inch fuse, specify HCM-D.



Type	Type Mounting	Fuse Voltage	Normal Current Carrying Caps.	Each
HCM	Panel	250 or less	18	$0.62

BUSS FUSTAT FUSES

0 TO 14 AMPERE



To Protect Against Burned-Out Motors and Apparatus of Voltages up to 125

For size to use, get ampere rating of motor or apparatus from name plate, and install a Fustat fuse of a size nearest to that figure.

Protects against overload, as well as short-circuit. Have non-tamperable base, prevents the use of sizes too large to protect.

Fustat fuses fit all regular plug fuse holders through the use of an inexpensive adapter which locks in place.

Carry Underwriters' Laboratories Label and have the same degree of approval for motor-running protection as the most expensive devices made.

Packed 4 in a carton, carrying complete instructions. Fustat fuse weight 5¾ lbs. per 100.

Amp.	FUSTAT FUSE Symbol		ADAPTER Symbol	
1	S1		SA1	
1¼	S1¼		SA1¼	
1⅝	S1⅝		SA1⅝	
2	S2		SA2	
2¼	S2¼		SA2¼	
2½	S2½		SA2½	
3⅛	S3⅛	Each	SA3⅛	Each
4	S4	$0.22	SA4	$0.15
5	S5		SA5	
5⅝	S5⅝		SA5⅝	
6¼	S6¼		SA6¼	
8	S8		SA8	
10	S10		SA10	
12	S12		SA15	
14	S14		SA15	

Many other sizes from 3/0 to 9 amperes can be obtained. Adapters not included with Fustat fuses—must be ordered separately. Adapter weight 3⅛ lbs. per 100.

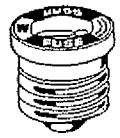
15 TO 30 AMP. — FOR CIRCUIT PROTECTION

Operates like Fusetron dual-element Plug Fuses
Non-tamperable (Type S) Base

The Fustat fuse makes safe protection remain safe. A 20, 25 or 30 ampere size will not fit in a 15-ampere receptacle or adapter. Can be used in Edison base receptacles by use of adapter. Adapter not included with Fustat fuses, must be ordered separately. Listed by Underwriters' Laboratories as Type S fuses, in 15 to 30 amp. sizes. For circuit protection on voltages up to 125. Fustat fuse weight 5-3/4 lbs. per 100. Adapter weight 3-1/5 lbs. per 100.

Amp.	FUSTAT FUSE Symbol		ADAPTER Symbol	
15	S15		SA15	
20	S20	Each $0.19	SA20	Each $0.15
25	S25		SA30	
30	S30			

BUSS CLEAR WINDOW PLUG FUSES



Carry Underwriters' Laboratories listed label.

Buss fuses have an extra large, clear window which makes it easy to see if fuse is blown

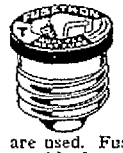
Metal cap protects against cut fingers. Buss fuses are shockproof — insulated with porcelain and mica and always fit holder, no solder lump on outside to cause trouble.

Packed 5 in a colorful carton that carries complete information on why fuses blow and what to do when they do blow.

Symbol	Amp.	Wt. Lbs. per 100		Symbol	Amp.	Wt. Lbs. per 100	
W3	3	6½		W15	15	6½	
W5	5	6½	Each	W20	20	6½	Each
W6	6	6½	$0.10	W25	25	6½	$0.094
W8	8	6½		W30	30	6½	
W10	10	6½		.....	....	.....	

FUSETRON dual-element PLUG FUSES

0 TO 14 AMPERE



Fusetron fuses, like Fustat fuses, can be used to protect motors or apparatus against burnout. Have Edison base — hence insurance and inspection authorities and Underwriters' Laboratories do not recommend their use because all protection is lost if Fusetron or ordinary fuses of too large a size are used. Fustat fuses, because of their non-tamperable feature, are recommended for this work.

Amp.	Symbol		Amp.	Symbol	
1	T1		5	T5	
1¼	T1¼		5⅝	T5⅝	
1⅝	T1⅝	Each	6¼	T6¼	Each
2	T2	$0.22	8	T8	$0.22
2½	T2½		10	T10	
3⅛	T3⅛		12	T12	
4	T4		14	T14	

15 TO 30 AMPERE



They won't blow on motor-starting current or any current which lasts only a short time, because of their thermal element, yet they protect on dangerous overloads or short-circuits.

Carry Underwriters' Laboratories listed label. For voltages up to 125. Packed 4 in a colorful carton.

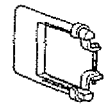
Amp.	Symbol	Amp.	Symbol	Each	Per 100
15	T15	25	T25	$0.20	$18.00
20	T20	30	T30		

BUSS FUSE REDUCERS



Make it possible to use Fusetron or ordinary fuses of a size smaller than the fuse clips are intended to hold.

Fit in any panel or switch as reducers take up no more space than would a fuse of a size to fit clips.



Reducers fit any form of clip, either the spring type or clamp type.

Packed—one pair in a carton.

Volts	Amp. Rating	No.	per pair
250 Volt	60 to 30	263	$0.79
250 Volt	100 to 30	213	1.30
250 Volt	100 to 60	216	.94
250 Volt	200 to 60	226	2.25
600 Volt	60 to 30	663	.79
600 Volt	100 to 30	Use No. 216	
600 Volt	100 to 60	616	1.69
600 Volt	200 to 60	626	4.72
250 or 600 V.	200 to 100	2621	1.89
250 or 600 V.	400 to 100	2641	5.90
250 or 600 V.	400 to 200	2642	7.38
250 or 600 V.	600 to 100	2661	7.88
250 or 600 V.	600 to 200	2662	8.86
250 or 600 V.	600 to 400	2664	9.84

TRON CLIP-CLAMPS

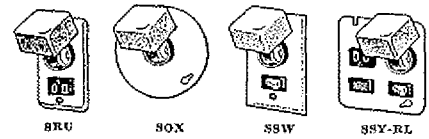
Insure Good Contact Between Clips and Fusetron or Ordinary Fuses



Prevent needless blowing of fuses by eliminating heating from poor contact that often causes fuses to blow.

Cat. No.	Size of Clamp	Carton Qty.	Wt. Lbs. Per 100	Each
1	0- 30 amp. 250 volt	12	5	$0.94
2	{31- 60 amp. 250 volt} {0- 30 amp. 600 volt}	12	8	1.22
4	31- 60 amp. 600 volt	12	12	1.48
5	61-100 amp. 250or600V.	12	10	1.41
6	101-200 amp. 250or600V.	6	21	2.05
7	201-400 amp. 250or600V.	6	31	2.92
8	401-600 amp. 250or600V.	6	42	3.70

FUSETRON BOX-COVER UNITS



Many Combinations to choose from—mounted on any one of Four Covers to fit Boxes in use.

A simple, low cost way to protect 125 volt motors.

Units have Edison base fuseholder so they will take Fusetron plug fuse or proper size Fustat Adapter can be used. They are listed as approved by Underwriters' Laboratories.

On normal installations, use Fusetron or Fustat fuse of motor-running protection size. Mount it anywhere in the circuit to handle only the motor current.

Units without switch for any motor ¾ h.p. or smaller. Units with switch for AC motors only—½ h.p. or smaller.

Symbol	Description	Each
	Holder for Fuse Only	
SOU	2½" cover for Handy box	$0.72
SOW	2⅔" cover for Switch box	.72
SOX	4" cover for Octagon box..	.84
SOY	4" cover for Square box....	.84
	Holder for Fuse with Grounding Type Plug-In Receptacle	
SRU	2¼" cover for Handy box	1.22
SRW	2¾" cover for Switch Box	1.22
SRX	4" cover for Octagon box..	1.32
SRY	4" cover for Square box....	1.32
	Holder for Fuse with S.P. Switch	
SSU	2¼" cover for Handy box	1.22
SSW	2¾" cover for Switch box	1.22
SSX	4" cover for Octagon box..	1.32
SSY	4" cover for Square box....	1.32
	Holder for Fuse with S.P. Switch and Pilot Light	
SSY-L	4" cover for Square box....	2.40
	Holder for Fustat Fuse with S.P. Switch, Pilot Light and Grounding Type Plug-In Receptacle	
SSY-RL	4" cover for Square box..	3.45
	Two Holders for Fuses and Two S.P. Switches	
SCY	4" cover for Square box....	2.28
	Holders for Two Fustat Fuses with one Tandem Blade Grounding Type Receptacle	
SKA	4⅛" cover for Square box	2.45
	Two Holders for Fuses with One Double Pole Switch	
STY	4" cover for Square box ..	2.55
	Two Holders for Fuses Only	
SOY-B	4" cover for Square box....	1.32

(Grounding type Receptacles take either ordinary 2 prong attachment plug cap — or the 2 prong parallel polarized plug cap with one wide prong — or 3 prong grounding type attachment plug cap.) Grounding type Receptacles meet N.E. Code requirements.

Fusetron Fuses and Fustat Fuses and Adapters are not included with Box-Cover Units, order them separately.

ECONOLIM® CURRENT LIMITING AND HIGH INTERRUPTING CAPACITY FUSES

200,000 Amps Interrupting Capacity



Class L

U.L. Class L Fuses — 600 Volts or Less — Universal Drilling to 4000 Amps

Amp.	Cat. No.	Each	Amp.	Cat. No.	Each
800	LCL800	$48.75	2500	LCL2500	$117.50
1000	LCL1000	48.75	3000	LCL3000	140.50
1200	LCL1200	48.75	4000	LCL4000	187.00
1600	LCL1600	74.90	5000	LCL5000	233.60
2000	LCL2000	93.50	6000	LCL6000	280.90

Midget Class — ¹⁄₁₀" x 1½"
600 Volts or Less

Amps.	Cat. No.	Less Than $25.00 Net Value Each
1	MCL1	$1.12
1½	MCL1.5	1.12
2	MCL2	1.12
3	MCL3	1.12
4	MCL4	1.12
5	MCL5	1.12
6	MCL6	1.12
8	MCL8	1.12
10	MCL10	1.12
15	MCL15	1.12
20	MCL20	1.12
25	MCL25	1.12
30	MCL30	1.12

ECON-LIMITER® CURRENT LIMITING TIME DELAY FUSES

U.L. Class K-5

200,000 Amps Interrupting Capacity

250V. Symbol LEN

Amperes	Less Than $25.00 Net Value Each
1, 3, 6, 10, 15, 20, 25, 30	$ 1.15
35, 40, 50, 60	2.87
70, 80, 90, 100	6.73
125, 150, 175, 200	13.35
225, 250, 300, 350, 400	23.24
450, 500, 600	29.70

600V. Symbol LES

Amperes	Less Than $25.00 Net Value Each
1, 3, 6, 10, 15, 20, 25, 30	$ 1.55
35, 40, 45, 50, 60	3.48
70, 80, 90, 100	8.04
125, 150, 175, 200	16.27
225, 250, 300, 350, 400	26.46
450, 500, 600	34.20

ECONOLIM® CURRENT LIMITING AND HIGH INTERRUPTING CAPACITY FUSES

Amp.	Cat. No.	Less Than $25.00 Net Value Each
U. L. Class K-1 — NEC Dimension Fuses 250 Volts		
30	NCL30	$ 1.10
60	NCL60	2.60
100	NCL100	5.98
200	NCL200	12.10
400	NCL400	21.10
600	NCL600	26.75
U.L. Class K-1 — NEC Dimension Fuses 600 Volts		
30	SCL30	$ 1.38
60	SCL60	3.13
100	SCL100	7.27
200	SCL200	14.65
400	SCL400	24.00
600	SCL600	31.00

Intermediate ratings also available.



Class J

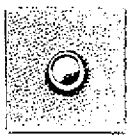
U.L. Class J — NEMA Dimension Fuses
600 Volts or Less

Amp.	Cat. No.	Each	Amp.	Cat. No.	Each
30	JCL30	$1.33	200	JCL200	$6.23
60	JCL60	2.18	400	JCL400	14.25
100	JCL100	3.34	600	JCL600	20.00

Other intermediate ratings available.

LUTRON INCANDESCENT DIMMERS

LOW POWER DIMMERS



Model D-1000 & D-103P

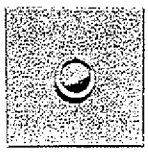
MODEL D-600-P

Compact 600 watt dimmer, continuous light control of the full light range from off to full brightness. The Push-on/Push-off feature permits presetting at any desired brightness. U.L. listed. Single pole, 120 volt, 60 Hz., 5 amp. Use standard plate.
Cat. No. D-600-P .....each $7.30

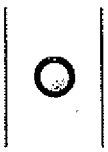
MODEL D-603-P

Compact 600 watt dimmer with 3-way switch. Permits switching on and off up to two or three locations.
Cat. No. D-603-P .....each $10.63

MEDIUM POWER DIMMERS



No. D-1000



No. D-2000

MODEL D-1000

Solid state 1000 watt dimmer. Protected against current and voltage surges. U.L. listed. Rotary on-off, single pole, 120 volt, 60 Hz., 8.3 amps. Beige baked enamel face plate.
Cat. No. D-1000 .....each $26.63

MODEL D-1500

Solid state 1500 watt dimmer. U.L. listed. Rotary on-off, single pole, 120 volt, 60 Hz, 12.5 amps. Face plate, burnished gold standard, brushed aluminum available.
Cat. No. D-1500 .....each $51.98

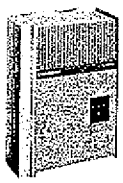
MODEL D-2000

Solid state 2000 watt dimmer. U.L. listed. Rotary on-off single pole, 120 volt, 60 Hz., 16.7 amps. Face plate, burnished gold standard, brushed aluminum available.
Cat. No. D-2000 .....each $61.98

HIGH POWER DIMMERS



No. D-2500



No. D-3600

MODELS D-2500 and D-3600 POWER SECTIONS

Lutron's all new D-2500 and D-3600 dimmer power sections are the basic units of a modular incandescent lamp dimming system which controls the brightness of systems from 100 watts to the maximum required.

The system consists of one or more power sections and one intensity control kit. Also mounted in each power section are two single-pole 20 amp. magnetic only circuit breakers.

Can be used on either single or three phase. For single phase system, an IC-1 intensity control kit is utilized; for three phase systems, an IC-3 control kit is required.

Cat. No.	Cap. Watts	Supply Current	Input Volts	Output Circuits	Each
D-2500	2500	21A	120V 60Hz.	2	$100.00
D-3600	3600	30A	120V 60Hz.	2	153.00

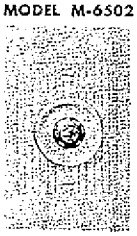
INTENSITY CONTROL KITS

The intensity control station is a rotary on-off switch. Rotating knob clockwise increases lamp brilliance.
Cat. No. IC-1 Single Phase, 2 Amp .....each $9.35
Cat. No. IC-3 3 Phase, 3 Amp .....each 28.00

Motorized control and motorized control accessories are available.

THOMAS INDUSTRIES INCANDESCENT DIMMING DEVICES

MODEL M-6502



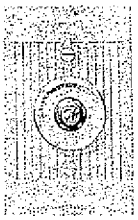
Compact 600-watt dimmer. Continuous dimming from both full brightness to less than 1%. Small size simplifies installation in crowded switch boxes. Listed by U.L. Built-in "on-off" switch. 120-volt, 60-cycle. Face plate not included.
Cat. No. M-6502 .....each $6.21

MODEL M-6503

Compact 600-watt dimmer, with 3-way switch. Permits switching on or off up to two or three locations.
Cat. No. M-6503 .....each $8.10

MODEL M-6504 & M-6520

Compact 600-watt dimmer. Continuous dimming from full brightness to less than 1%. Same compact size as M-6502, tap switch. 120-volt, 60-cycle. Face plate not included.
Cat. No.
M-6504 ....each $5.31
Cat. No. M-6520 w/o Tap Switch .....each $4.06



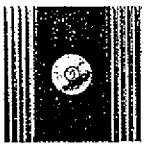


MODEL M-6546

1000-watt incandescent dimmer. Continuous dimming from full brightness to less than 1%. Mounts in standard single-gang switch box. Listed by U.L. 120-volt, 60-cycle. Anodized aluminum face plate in brown and gold finish.
Cat. No. M-6546 each $24.99

MODEL M-6547

1500-watt incandescent dimmer. Continuous dimming from full brightness to less than 1%. Mounts in standard single-gang switch box. Anodized aluminum face plate in brown and gold finish. U.L. listed.
Cat. No. M-6547 ....each $47.38



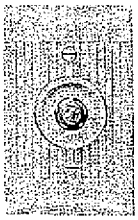
MODEL M-6548

2000-watt incandescent dimmer. Continuous dimming from full brightness to less than 1%. Mounts in standard single-gang switch box. Listed by U.L. Anodized aluminum face plate in brown and gold finish.
Cat. No. M-6548 ..each $59.98

WALL CONTROL AND MASTER DIMMING STRIP

MODEL M-6511

Wall control mounts in standard switch box. Unit has on/off switch. This switch controls the master fluorescent strip included in this part number, plus 1 to 19 additional dimming strips. 40-watt; rapid start; length 48".
Cat. No.
M-6511 ....each $39.00



MODEL M-6512



Dimming strip for use from 1 to 19 with Master Control. 40-watt. Rapid start. Length 48".
Cat. No. M-6512 .....each $11.10

HUNT ELECTRONIC DIMMERS

The AF-5 and AF-10 — Fluorescent



The AF-5 and AF-10 dimmers represent an advanced design in solid state control for fluorescent lighting. Incorporating the Hunt Silicon Gated Switch, these dimmers provide smooth control of the complete dimming range, and stable low intensity operation. Both the AF-5 and AF-10 are recommended for use with several popular dimming ballasts. Their special filter design reduces the possibility of radio or amplifier interference. Use only with rapid-start 40-watt lamps. The AF-5 controls a maximum of 10 lamps, while the AF-10 can accommodate 16 lamps. Each operates on 120 volts, 60 cycles A.C.

Model AF-5 ..... each $26.63
Model AF-10 ..... each 43.33

ID20-ID20/S and ID30-ID30/S
U.L. Listed



The ID20—ID20/S and ID30—ID30/S utilize the Hunt developed and manufactured solid state silicon gated switch, designed specifically for true full wave dimming. Each unit operates on 120-volt, 60-cycle AC. The ID20 Master (2 KW capacity) or the ID30 Master (3 KW capacity) can control up to 15 slaves each, manually, from a single control mounted in a single gang box. These units are ideally suited for 120/208 three phase/4-wire installati n, which permits even more capacity. Example: Thre master ID30 dimmers (one on each phase leg) each ontrolling 15 slaves, provide 144 KW capacity! (Remote controlled from a single AIFC-3 control that mounts in a double gang wall box.)

Cat. No.	Description	Each
ID20	2000 Watt Master Dimmer Less Control	$79.33
ID20/S	2000 Watt Slave Dimmer Unit	76.33
ID30	3000 Watt Master Dimmer Less Control	104.67
ID30/S	3000 Watt Slave Dimmer Unit	101.67
AIFC-1	Manual Control for one ID20 or ID30 and up to 15 ID20/S or ID30/S	11.00

MCF MOTORIZED FLUORESCENT DIMMING SYSTEMS

When an FD-20 or FD-30 master unit and one or more FD20/S or FD30/S slave units are combined and operated from a single control, they become a system. Ask about system applications, both manual and motorized, for your larger installation requirements.

EXAMPLES OF MCI MOTORIZED INCANDESCENT DIMMING SYSTEMS

Cat. No.	Max. Rating	Description	Each
MCI/2-1	2 KW	1—MC-IF Motorized Unit 1—ID20 Dimmer	$186.00
MCI/3-1	3 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer	211.33
MCI/4-2	4 KW	1—MC-IF Motorized Unit 1—ID20 Dimmer 1—ID20/S Dimmer	261.33
MCI/5-2	5 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer 1—ID20/S Dimmer	286.66
MCI/6-2	6 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer 1—ID30/S Dimmer	312.00
MCI/7-3	7 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer 2—ID20/S Dimmers	362.00
MCI/8-3	8 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer 1—ID30/S Dimmer 1—ID20/S Dimmer	387.33
MCI/9-3	9 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer 2—ID30/S Dimmers	412.66
MCI/10-4	10 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer 1—ID30/S Dimmer 2—ID20/S Dimmers	462.66
MCI/11-4	11 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer 2—ID30/S Dimmers 1—ID20/S Dimmer	488.00
MCI/12-4	12 KW	1—MC-IF Motorized Unit 1—ID30 Dimmer 3—ID30/S Dimmers	513.33

CAUTION: Control station ARS-1 must be ordered as a separate unit ..... Each $15.93

HUNT ELECTRONIC DIMMERS

Model PC-6-I8 — Incandescent — U.L. Listed



The PC-61B is designed to replace any standard switch. It controls any given number of incandescent lamps whose combined ratings do not exceed 600 watts. With a convenient tap-on/tap-off switch, this dimmer provides variable intensity settings. The PC-61B affords true full-range dimming, operating on 120 volts, 60 cycles A.C.

Model PC-61B ..... each $8.33

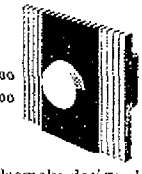
Model PC-6-1B/3P — Incandescent — U.L. Listed

The PC-61B/3P offers incandescent dimming control for three-way switches. Easy to install, it simply replaces one of the standard switches in a 2" deep single gang switch box. With a 600-watt capacity, it taps on and off at any light setting. It operates on 120 volts, 60 cycle A.C.

Model PC-61B/3P ..... each $9.67

A-Line Architectural Dimmers — U.L. Listed





The A-Line Series is handsomely designed to fit with any decor, with a black vinyl faceplate insert furnished. A-Line dimmers may be ganged in any combination. They feature a silicon power device manufactured by Hunt, which is unaffected by high voltage transients regardless of polarity. Positive on/off switch and integral filter circuit to minimize interference noise and filament sing are additional features. Available in 120 volts, 600, 1000, 1500, and 2000 watts; also available in 277 volts, 60 cycle, prices on request.

A-600 ..... each $11.93
A-1000 ..... each 30.00
A-1500 ..... each 53.33
A-2000 ..... each 79.33

SUPERIOR ELECTRIC LUXTROL® LIGHT CONTROL EQUIPMENT

D1000R AND D2000 SERIES



D1000R



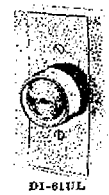
D2000

Individual units in a ganged assembly are usually electrically independent for control of separate lighting loads. The ratings given in the charts for these "E" connected assemblies are for operation with units in the assembly equally divided between phases. All ganged assemblies are UL and CSA listed. Full information in Bulletin L1064.

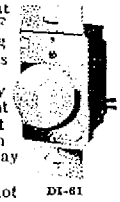
Manually operated units are offered in capacities from 1,000 to 30,000 watts and in motor-driven types from 2,000 to 45,000 watts. The D1000R Series is available for manual operation only. The D2000 Series is available in manual or motor-driven units and in ganged assemblies consisting of two or more units operating in unison on a common shaft. Motor-driven types offer effortless, "fingertip" control by means of momentary contact switches of either the lever-action or pushbutton type or by positioner control. Motor-driven types permit remote control with the dimmer installed in out-of-the-way space and the control station placed at the location most convenient for control. All types are for 50/60 hertz operation.

Input Watts	No. Ckts	Watts Per Ckt	Total Watts Output	Type	Approx. Dimens. Inches H.	W.	D.	Approx. Weight Lbs. Net Manual	Net Motor	Shipping Manual	Shipping Motor	Standard Motor Speeds (Seconds)	Each
2-Wire, 1 Phase, 50/60 Hertz Service													
120	1	1000	1000	D1000R	5¾	5⅛	5	9	...	10	....	.....	$49.00
120	1	2000	2000	D2000	8¾	9¼	10⅝	22	34	29	42	5, 15, 30, 60	91.00
120	2	2000	4000	D2000-2E	15	9¼	10⅝	45	60	52	67	5, 15, 30, 60	191.00
120	3	2000	6000	D2000-3E	21¼	9¼	10⅝	68	90	87	109	5, 15, 30, 60	290.00
3-Wire, 1 Phase, 50/60 Hertz Service													
240/120	2	2000	4000	D2000-2E	15	9¼	10⅝	45	60	52	67	5, 15, 30, 60	$191.00
240/120	4	2000	8000	D2000-4E	27⅜	9¼	10⅝	91	121	112	142	5, 15, 30, 60	443.00

GE DIMMERS



DI-61UL



DI-61

600 Watt — Incandescent

Push to turn ON or OFF . . . without disturbing a preselected brightness setting.

Current controlled by a solid-state switch that lasts indefinitely. Just two moving parts — a single pole or three-way switch and a reliable potentiometer. Plate not supplied with dimmer.

Cat. No.	Description	Each
	75 — 600 Watt Rating*	
DI-61UL†	Single Pole	$ 8.00
DI-63UL†	3-Way	11.60
DI-61	Single Pole	6.40
DI-63	3-Way	10.00
DI-624‡	Single Pole	13.65

*For two controls in two-gang box, derate to 500W each; for three in three-gang box, derate to 400W each.
†U.L. listed.
‡For 240 volt only.

DI-101 Single Pole ..... each $33.25

SPECIFIER SERIES-INCANDESCENT

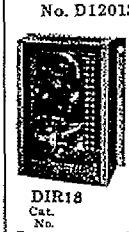


No. D1201SS

Styled for compatibility with modern architectural designs. Dimmers mount in standard double gang wall box, and can easily be ganged. When ganging, use 5 gangs for 2 dimmers, 8 gangs for 3 dimmers.

Derating not required.

Cat. No.	Description	Each
DI61SS†	600 Watt	$21.00
DI101SS†	1000 Watt	33.60
DI151SS†	1500 Watt	56.00
DI201SS†	2000 Watt	84.00



DIR18

1800 WATT MODULAR DIMMING SYSTEM

Controls any wattage load. Basic Dimmer (D1R18) controls up to 1800 watts. For every additional 1800 watts, add another Basic Dimmer. Brightness varied with Manual Control Unit (DUC1) or with pushbutton switches operating Motorized Control Unit (DUC1M).

Cat. No.	Description	Each
DIR18†	1800 watt Dimmer Module	$98.00
DUC1†	Manual Control Unit	7.70
DUC1M†	Motorized Control Unit	77.00

†Listed by Underwriters' Laboratories, Inc.

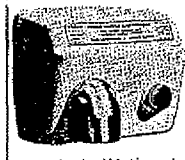
ELECTRIC-AIRE HAND/HAIR DRYERS



Furnished in an attractive tamper-proof, baked porcelain enamel steel or satin chrome housing. Operated by a push bar on the front face which is connected to an automatic timer. Electric-Aire dryers discharge the right amount of warm air for proper drying. A manually rotated tamper-proof baffle grille defects the discharge air in any desired direction. Electric-Aire dryers are available as hair dryers when so specified.

Model No.	Mounting	Current L/50 AC	Dimens. In. H	W	D	Each
Hand Dryer — 40 Second Time Cycle						
C	Surface	115V-15A	12	10½	6⅞	$128.52
C	Surface	115V-20A	12	10½	6⅞	128.52
C	Surface	208V-11.5A	12	10½	6⅞	128.52
C	Surface	230V-10A	12	10½	6⅞	128.52
CR	Recessed	*	11¾	11	3¾	133.02
Hair Dryer — 3 Minute Time Cycle						
CH	Surface	115V-15A	12	10½	6⅞	$128.52
CH	Surface	115V-20A	12	10½	6⅞	128.52
CH	Surface	208V-11.5A	12	10½	6⅞	128.52
CH	Surface	230V-10A	12	10½	6⅞	128.52
CHR	Recessed	*	11¾	11	3¾	133.02

*Available in any of above voltages.



WORLD SURFACE MOUNTED DRYERS

U.L and C.S.A. listed. High speed self-lubricating resilient mounted motor, rugged cast iron one piece cover finished in acid resisting porcelain enamel, full 360° revolving nozzle. Bi-metal circuit breaker protects lifetime heating element.

Model No.	Description	Time Cycle	Each
Hand Dryer			
A	110V, A.C., 20A	30 Sec.	$149.60
A-1	110V, A.C., 20A	40 Sec.	149.60
A-2	110V, A.C., 15A, 1-Ph	40 Sec.	149.60
A-3	208V, A.C., 11.5A, 1-Ph	30 Sec.	149.60
A-4	230V, A.C., 10A, 1-Ph	30 Sec.	149.60
A-5	Spec. Duty-Fixed Nozzle-Site-Tite Grille*	.....	149.60
RA	Recessed *		153.00
Hair Dryers			
B	110V, A.C., 20A	3 Min.	149.60
B-1	110V, A.C., 15A	3 Min.	149.60
B-2	208V, A.C., 11.5A, 1-Ph	3 Min.	149.60
B-3	230V, A.C., 10A, 1-Ph	3 Min.	149.60
RB	Recessed *	3 Min.	153.00

*Available in any of above characteristics.

GE FLUORESCENT STARTERS

WATCH DOG® STARTERS



FS-40/400

Metal glow switch units best for general purpose use. Automatic cut-off of failing lamps eliminates blinking. Manual reset button. Outlast 10 ordinary starters.

Cat. No.	Std. Pkg. per 100	No. terms	size	lamp watts
FS-20	$63.00	2	std	15, 20
FS-30	63.00	2	std	30
FS-40/400	63.00	2	std	40
FS-850	95.20	4	mogul	90, 100
FS-850S	97.30	4	mogul	90, 100
FS-852	95.20	2	mogul	90, 100

STANDARD STARTERS



FS-4

All-purpose starters accurately timed to combine efficient starting with long lamp life. Automatic or manual reset features not included.

Cat. No.	Std. Pkg. per 100	No. terms	size	lamp watts
FS-2	$ 22.40	2	std	14, 15, 20
FS-4★	22.40	2	std	13, 30, 40
FS-5	36.40	2	std	4, 6, 8
FS-12	24.50	2	std	32 (12" Circline)
FS-2S	32.90	2	std	25, 22 (8" Circline)
FS-8S	83.30	2	mogul	90, 100
FS-44★	83.30	4	mogul	40
FS-64★	112.00	4	mogul	90, 100

AUTOMATIC RESET STARTERS



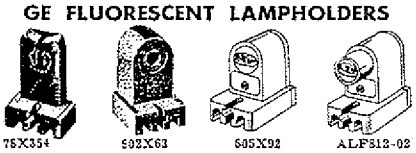
FS-4/400NA

Automatic cut-off eliminates blinking. Automatically resets itself when power is cut off. Use where high temperature, high humidity or other environmental conditions make the normal operation of fluorescent lamps difficult.

Cat. No.	Std. Pkg. per 100	No. terms	size	lamp watts
FS-4/400NA	$65.80	2	std	40
FS-85NA	95.20	2	mogul	90, 100
FS-85NA-4	95.20	4	mogul	90, 100

★For reliable starting down to an ambient temperature of 0 F.
®Registered Trademark of General Electric Co.

GE FLUORESCENT LAMPHOLDERS



78X354 | 502X63 | 505X92 | ALF812-02

Cat. No.	Description	Each	Per 100: 10	Per 100: 100
	SLIMLINE LAMPHOLDERS			
	Rating: 660W, 660V			
502X63	Low-voltage	$1.04	$0.92	$0.81
	Rating: 660W, 1000V			
502X64	High-voltage	.89	.79	.69
	RAPID-START HIGH-OUTPUT LAMPHOLDERS			
	Rating: 660W, 600V			
505X91	Compressible end	$1.58	$1.41	$1.23
505X92	Stationary end	1.58	1.41	1.23
	MOGUL BI-PIN LAMPHOLDERS			
	Rating: 660W, 600V			
95X982	White urea	$1.06	$ .94	$ .82
	Rating: 660W, 250V			
95X123	Comb. lampholder/ starter socket, white urea lamp-holder, black socket	2.47	2.20	1.92
	POWER GROOVE LAMPHOLDERS			
	Rating: 660W, 600V			
ALF812-01	Stationary end	$1.37	$1.16	$1.02
ALF812-02	Telescopic end	1.47	1.31	1.14
	MEDIUM BI-PIN LAMPHOLDERS			
	Rating: 660W, 600V			
78X354	Black	$0.28	$0.25	$0.22
78X491	White urea	.31	.28	.24
505X75	White, disconnect type	.62	.55	.48
505X84	White, telescopic type, (low voltage end)	.87	.78	.68
505X85	White, telescopic type, (high voltage end)	1.12	1.00	.87
78X729	Comb. lampholder/starter socket, black	.55	.49	.43
78X736	Same, white urea lampholder, black socket	.57	.51	.44

HUB FLUORESCENT STARTERS

PUSH BUTTON RESET STARTERS



With Ceramic Condensers

Will outlast several regular starters. Has circuit breaker element. Stops lamp blinking, saves electricity, ballast and starter. Not affected by low voltage or power failures. After re-lamping, push button on top for continuing operation

Cat. No.	Lamps	Per 100: Ctn.	Per 100: Std. Pkg.
FS-20	20W	$72.00	$63.00
*FS-30	30W	72.00	63.00
FS-40	40W	72.00	63.00
*FS-400	40W	75.20	65.80
FS-40/400	40W	72.00	63.00
*FS-850-2 & 4 pins	85W-100W	108.80	95.20

AUTOMATIC RESET STARTERS



With Ceramic Condensers

Has a Thermal operated device which cuts a flashing or non-operating lamp out of the circuit. When defective lamp is replaced, starter automatically resets to start new lamp.

Cat. No.	Lamps	Per 100: Ctn.	Per 100: Std. Pkg.
*FS-20A	20W	$75.20	$65.80
FS-40A	40W	75.20	65.80
*FS-850A-2 & 4 pin	85W-100W	108.80	95.20

REGULAR STARTERS



With Ceramic Condensers

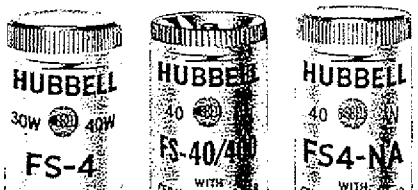
Faster starts and longer life are provided at low cost.

Cat. No.	Lamps	Per 100: Ctn.	Per 100: Std. Pkg.
FS-2	14W, 15W, 20W	$25.60	$22.40
FS-4	30W — 40W	25.60	22.40
FS-5	4W, 6W, 8W	41.60	36.40
FS-12	32W Circline	28.00	24.50
FS-22	22W Circline	37.60	32.90
FS-25	18W, 25W	37.60	32.90
*FS-85-2 & 4 pin	85W, 100W	95.20	83.30

All Hub starters without * are certified by Electrical Testing Laboratories, Canadian Standards Association and Approved by Underwriters' Laboratories.

HUBBELL — ARROW-HART FLUORESCENT STARTERS

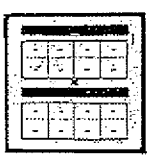
"JACKRABBIT" FLUORESCENT STARTERS

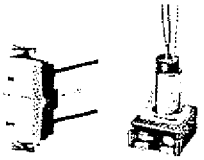


Cat. No. Hubbell	A-H	For Use With "Watt Lamps"	Ctn./Pkg.	Per 100: Ctn.	Per 100: Std. Pkg.
		Neostart			
FS-2		14, 15 &20	10/100	$ 25.60	$22.40
FS-4		13, 30 &40	10/100	25.60	22.40
FS-5		4, 6 &8	10/100	41.20	36.05
FS-12		†32	10/100	28.40	24.85
FS-2S		†22			
			10/100	37.60	32.90
FS-85		90 &100	10/100	95.20	83.30
FS-85-4		90 &100	10/100	95.20	83.30
		Manual Reset			
FS-20		14,15&20	10/100	72.00	63.00
*FS-30		30	10/100	72.00	63.00
FS-40/400		40	10/100	72.00	63.00
*FS-850-2		90 &100	10/100	108.80	95.20
FS-850		90 &100	10/100	108.80	95.20
		Autoset			
*FS-2-NA		20	10/100	75.20	65.80
FS-4-NA		40	10/100	75.20	65.80
FS-85-NA		90 &100	10/100	108.80	95.20
*FS-85-NA-4		90 &100	10/100	108.80	95.20
		Thermostat			
*M-2		15 &20	10/100	89.60	78.40

*Hubbell only
†Circline lamps.

GENERAL ELECTRIC REMOTE CONTROL WIRING SYSTEMS





REMOTE CONTROL COMPONENTS

Cat. No.	Each	Description
RR-3	$ 3.44	relay, std. 20A, ½ Hp,125VAC
RR-4	4.95	relay/pilot sw) 20A, 277VAC
RR-7	4.68	relay, spec. grade, std. type
RR-8	5.85	relay spec. grade, with pilot-light switch
RT-1	12.80	118V transformer, 60HZ primary, 75 volt-amp momentary, 40 volt-amp continuous for 24-volt systems.
RT-2	17.20	same, except 277V, 60HZ pri.
RA-9	2.56	selenium rectifier, .4A.
RA-16	6.40	silicon rectifier assembly
RCS-2	.88	push-button type, ivory
RCS-9	.88	same, gray
RCS-2PL	1.76	push-button type, with pilot light, ivory
RCS-9PL	1.76	same, gray
RMC-2	20.80	8-position master selector switch, ivory
RFS-6	.66	std. switch, ivory, 3A, 25VAC
RFS-7	1.37	same, with locator light
RFS-8	1.53	same, with red pilot light
RTS-4	2.40	interchangeable line switch, brown, 10A, 25VAC
RTS-5	2.40	same, ivory
GE5935-1	3.29	H.D. switch, brown, 15A (fits standard boxes)
RMC-9	20.80	same, gray
RMC-2PL	28.00	same, with pilot-light switches, gray
RMC-9PL	28.00	same, with pilot-light Sw.,gray
RMS-4A	14.40	12-pos. master selector switch, ivory
RA-12	12.00	pilot-light assembly for RMS-4A
RES-2A	16.00	extension switch with 4 individual switches and cord set
RO-4A	5.04	matching receptacle for RES-2A
RMS-5RL	15.20	motor master/red leads for "ON"
RMS-5BL	15.20	same/black leads for "OFF" control
RRF-34	2.12	frame for 1 to 6 RR-3 & RR-4
RRF-78	6.80	Frame to hold up to 6 RR7, 8, 3, or 4 relays complete with terminal strips.
RBS-1	7.35	box for 1 frame, surface
RBS-2	9.45	box for 2 frames, surface
RBF-3	87.50	cabinet for 24 relays, transformer, rectifier assembly, two motor master control units, for flush mounting
RBS-3	87.50	same, for surface mounting
RP-1	.35	ivory plastic wall plate, 1 switch, 1 gang, w/o bracket
RP-2	.35	same, except 2 switches
RP-3	.35	same, except 3 switches
RP-111	.71	stainless steel wall plate, 1 switch, 1 gang, w/o bracket
RP-112	.71	same, except for 2 switches
RP-113	.71	same, except for 3 switches
RP-311	1.04	1 gang for 1 spec. grade switch, super Type 302, w/ mounting bracket
RP-312	1.04	1 gang for 2 spec. grade switches, super Type 302, w/mounting bracket
RP-313	1.04	1 gang for 3 spec. grade switches, super Type 302, w/mounting bracket
RP-324	2.08	2 gang for 4 spec. grade switches, super Type 302, w/ mounting brackets
RA-4	.18	mounting bracket for RFS switches
GE7690-0	.17	mounting bracket for RTS switches

REMOTE CONTROL WIRE

Cat. No.	Per 1000	Description
53087-3	$ 39.40	twisted indoor, 3-cond. red/ white/black
53087-4	51.95	same, 4-cond. red/ white/ black/yellow
53088-12	312.80	12 yellow conductors & yellow jacket for wiring RA-12
53088-19	285.60	19-conductor cable*
53088-26	437.92	26-conductor cable*

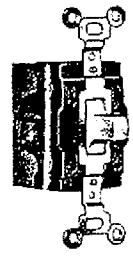
* Shorter lengths priced higher.

OTHER GE REMOTE CONTROL COMPONENTS ALSO AVAILABLE

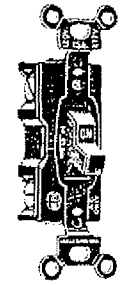
HUBBELL — ARROW-HART WIRING DEVICES


No. 1221


No. 1221-L


No. 1381-I


No. 1557


No. 1101


No. 1122


No. 9801


No. 8801

TOGGLE TYPE A.C. SWITCHES — SPECIFICATION GRADE
15, 20 and 30 Amp., 120/277 Volts A.C. Only

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		15 Amp. Switches			
1201	1891	Single Pole, Brown Handle	10/50	$153.20	$134.05
1201-I	1891-I	Single Pole, Ivorine Handle	10/50	157.20	137.55
1201-GRY	1891-GRY	Single Pole, Gray Handle	10/50	157.20	137.55
1201-L	1891-L	Single Pole, Lock Type	10/50	274.40	240.10
1202	1892	Double Pole, Brown Handle	2/10	256.40	224.35
1202-I	1892-I	Double Pole, Ivorine Handle	2/10	260.80	228.20
1202-GRY	1892-GRY	Double Pole, Gray Handle	2/10	260.80	228.20
1202-L	1892-L	Double Pole, Lock Type	2/10	369.20	323.05
1203	1893	3-Way, Brown Handle	10/20	225.60	197.40
1203-I	1893-I	3-Way, Ivorine Handle	10/20	229.20	200.55
1203-GRY	1893-GRY	3-Way, Gray Handle	10/20	229.20	200.55
1203-L	1893-L	3-Way, Lock Type	10/20	320.80	280.70
1204	1894	4-Way, Brown Handle	2/10	572.40	500.85
1204-I	1894-I	4-Way, Ivorine Handle	2/10	577.20	505.05
1204-GRY	1894-GRY	4-Way, Gray Handle	2/10	577.20	505.05
1204-L	1894-L	4-Way, Lock Type	2/10	691.20	640.80
1209	2000	Key for Lock Type Switches	2/10	27.60	24.15
		20 Amp. Switches			
1221	1991	Single Pole, Brown Handle	10/30	244.80	214.20
1221-I	1991-I	Single Pole, Ivorine Handle	10/30	258.40	226.10
1221-GRY	1991-GRY	Single Pole, Gray Handle	10/30	258.40	226.10
1221-L	1991-L	Single Pole, Lock Type	2/10	360.80	315.70
1222	1992	Double Pole, Brown Handle	2/10	292.00	255.50
1222-I	1992-I	Double Pole, Ivorine Handle	2/10	360.00	267.75
1222-GRY	1992-GRY	Double Pole, Gray Handle	2/10	306.00	367.75
1222-L	1992-L	Double Pole, Lock Type	2/10	409.20	358.05
1223	1993	3-Way, Brown Handle	2/10	281.20	246.05
1223-I	1993-I	3-Way, Ivorine Handle	2/10	296.00	259.00
1223-GRY	1993-GRY	3-Way, Gray Handle	2/10	296.00	259.00
1223-L	1993-L	3-Way, Lock Type	2/10	400.40	350.35
1224	1994	4-Way, Brown Handle	2/10	624.00	546.00
1224-I	1994-I	4-Way, Ivorine Handle	2/10	639.20	559.30
1224-GRY	1994-GRY	4-Way, Gray Handle	2/10	639.20	559.30
1224-L	1994-L	4-Way, Lock Type	2/10	741.20	648.55
1209	2000	Key for Lock Type Switches	2/10	27.60	24.15
		30 Amp. Switches			
3031	3991	Single Pole, Brown Handle	2/10	348.00	304.50
3031-I	3991-I	Single Pole, Ivorine Handle	2/10	362.40	317.10
3032	3992	Double Pole, Brown Handle	2/10	449.20	393.05
3032-I	3992-I	Double Pole, Ivorine Handle	2/10	464.00	406.00
3033	3993	3-Way, Brown Handle	2/10	435.60	381.15
3033-I	3993-I	3-Way, Ivorine Handle	2/10	449.60	393.40
.....	3994	4-Way Broun Handle	2/10	658.47	476.16
.....	3994-1	4-Way Ivorine Handle	2/10	671.61	586.66

TOGGLE TYPE A.C. SWITCHES — SPECIFICATION GRADE
THREE POSITION TWO CIRCUIT MAINTAINED CONTACT
15 and 20 Amp., 120/277 Volts A.C. Only; 1 H.P., 120/240 Volts A.C. Only

Cat. No. Hubbell	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	15 Amp. Switches — Double Throw — Center Off			
1381	Single Pole, Brown Handle	2/10	$721.20	$631.05
1381-I	Single Pole, Ivorine Handle	2/10	725.20	634.55
1381-L	Single Pole, Lock Type	2/10	757.60	662.90
1382	Double Pole, Brown Handle	2/10	730.40	639.10
1382-I	Double Pole, Ivorine Handle	2/10	734.80	642.95
1382-L	Double Pole, Lock Type	2/10	767.60	671.65
	20 Amp. Switches — Double Throw — Center Off			
1385	Single Pole, Brown Handle	2/10	817.60	715.40
1385-I	Single Pole, Ivorine Handle	2/10	821.20	718.55
1385-L	Single Pole, Lock Type	2/10	854.40	747.60
1386	Double Pole, Brown Handle	2/10	827.20	723.80
1386-I	Double Pole, Ivorine Handle	2/10	831.20	727.30
1386-L	Double Pole, Lock Type	2/10	863.60	755.65
	SWITCH PLATES			
92071-AC	1-Gang Ivorine With Marking for Air Conditioning	10/30	90.00	78.75
94071-AC	1-Gang .040" Brush Brass With Marking for Air Conditioning	2/10	209.60	183.40

THREE POSITION TWO CIRCUIT MOMENTARY CONTACT
15 and 20 Amp., 120/277 Volts A.C. Only

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		15 Amp. Switches — Double Throw			
1556	1895	Single Pole, Brown Handle	2/10	$317.60	$277.90
1556-I	1895-I	Single Pole, Ivorine Handle	2/10	323.20	282.80
1556-GRY	1895-GRY	Single Pole, Gray Handle	2/10	336.40	294.35
1556-L	1895-L	Single Pole, Lock Type	2/10	409.20	358.05
1209	2000	Key for Lock Type Switches	2/10	27.60	24.15
		20 Amp. Switches — Double Throw			
1557	1995	Single Pole, Brown Handle	2/50	405.20	354.55
1557-I	1995-I	Single Pole, Ivorine Handle	2/50	410.00	358.75
1557-L	1995-L	Single Pole, Lock Type	2/10	496.00	434.00
1209	2000	Key for Lock Type Switches	2/10	27.60	24.15

TOGGLE TYPE A.C. SWITCHES — INTERMEDIATE GRADE
15 and 20 Amp., 120/277 Volts A.C. Only

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		15 Amp. Switches			
1101	1101	Single Pole, Brown Handle	10/100	$112.80	98.70
1101-I	1101-I	Single Pole, Ivorine Handle	10/100	117.60	102.90
1101-GRY	1101-GRY	Superseded by 1201GRY	.....	.....	.....
1101-L	.....	Single Pole, Lock Type	10/50	182.40	159.60
1102	1102	Double Pole, Brown Handle	2/10	192.40	168.35
1102-I	1102-I	Double Pole, Ivorine Handle	2/10	197.20	172.55
1102-GRY	1102-GRY	Superseded by 1202GRY	.....	.....	.....
1102-L	.....	Double Pole, Lock Type	2/10	262.00	229.25
1103	1103	3-Way, Brown Handle	10/50	168.80	147.70
1103-I	1103-I	3-Way, Ivorine Handle	10/50	172.80	151.20
1103-GRY	1103-GRY	Superseded by 1203GRY	.....	.....	.....
1103-L	.....	3-Way, Lock Type	10/20	238.40	208.60
1104	1104	4-Way, Brown Handle	2/10	452.00	395.50
1104-I	1104-I	4-Way, Ivorine Handle	2/10	457.20	400.05
1104-GRY	1104-GRY	Superseded by 1204GRY	.....	.....	.....
1104-L	.....	4-Way, Lock Type	2/10	522.00	456.75
1209	2000	Key for Lock Type Switches	2/10	27.60	24.15
		20 Amp. Switches			
1121	2101	Single Pole, Brown Handle	10/100	167.60	146.65
1121-I	2101-I	Single Pole, Ivorine Handle	10/100	172.00	150.50
1121-GRY	1121-GRY	Superseded by 1221GRY	.....	.....	.....
1122	2102	Double Pole, Brown Handle	2/10	198.00	173.25
1122-I	2102-I	Double Pole, Ivorine Handle	2/10	202.00	176.75
1122-GRY	1122-GRY	Superseded by 1222GRY	.....	.....	.....
1123	2103	3-Way, Brown Handle	10/50	198.00	173.25
1123-I	2103-I	3-Way, Ivorine Handle	10/50	202.00	176.75
1123-GRY	1123-GRY	Superseded by 1223GRY	.....	.....	.....
1124	2104	4-Way, Brown Handle	2/10	504.00	441.00
1124-I	2104-I	4-Way, Ivorine Handle	2/10	508.00	444.50
1124-GRY	2104-GRY	Superseded by 1224GRY	.....	.....	.....
1209	2000	Key for Lock Type Switches	2/10	27.60	24.15

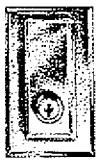
TOGGLE TYPE A.C.-D.C. SWITCHES — SPECIFICATION AND INTERMEDIATE GRADE*
2, 5, 10, 20 and 30 Amp., 250 Volts
5, 10, 20 and 30 Amp., 125 Volts

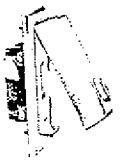
Cat. No. Hubbell	Cat. No. A-H	Description	Amperes 125V.T.	Amperes 250V.	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Specification Grade — Brown Handles					
9801	1531	Single Pole	10	5	10/50	$180.40	$157.85
9802	1532	Double Pole	10	10	2/10	297.60	260.40
9803	1533	3-Way	10	5	10/20	228.80	200.20
9804	1534	4-Way	5	2	2/10	702.40	614.60
9805	1541	Single Pole	20	10	10/20	322.00	281.75
9806	1542	Double Pole	20	10	2/10	374.40	327.60
9933	.....	3-Way	20	10	2/10	363.60	318.15
9815	1541	Single Pole	20	20	10/30	309.20	270.55
9816	1542	Double Pole	20	20	2/10	324.00	283.50
9943	1543	3-Way	20	20	2/10	332.80	291.20
		Intermediate Grade — Brown Handles					
8801	8601	Single Pole	10	5	10/100	132.40	115.85
8802	8602	Double Pole	10	10	10/50	208.80	182.70
8803	8603	3-Way	10	5	10/50	191.60	167.65
8804	8604	4-Way	5	2	2/10	457.60	400.40
8941	8914	Single Pole	20	20	10/50	257.20	225.05
8942	8931	Double Pole	....	20	10/20	361.20	316.05
8943	8913	3-Way	20	10	2/10	339.20	296.80

*Brown handle switches; for Ivorine handles, add suffix "I" to catalog number.



No. 1251-I





No. 96061



No. 96087

"PRESSWITCH" A.C. SWITCHES — SPECIFICATION GRADE

15 and 20 Amp., 120/277 Volts A.C. Only

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		15 Amp. Standard Presswitch			
1251	2891	Sgl. Pole, Brown Nylon Button	10/50	$153.20	$134.05
1251-I	2891-I	Sgl. Pole, Ivorine Nylon Button	10/50	157.20	137.55
1251-GRY	2891-GRY	Sgl. Pole, Gray Nylon Button ..	10/50	162.00	141.75
1252	2892	Dbl. Pole, Brown Nylon Button	2/10	256.40	224.35
1252-I	2892-I	Dbl. Pole, Ivorine Nylon Button	2/10	260.80	228.80
1252-GRY	2892-GRY	Dbl. Pole, Gray Nylon Button ..	2/10	260.80	228.20
1253	2893	3-Way, Brown Nylon Button	10/20	225.60	197.40
1253-I	2893-I	3-Way, Ivorine Nylon Button ..	10/20	229.20	200.55
1253-GRY	2893-GRY	3-Way, Gray Nylon Button	10/20	229.20	200.55
1254	2894	4-Way, Brown Nylon Button	2/10	572.40	500.85
1254-I	2894-I	4-Way, Ivorine Nylon Button ..	2/10	577.20	505.05
1254-GRY	2894-GRY	4-Way, Gray Nylon Button	2/10	577.20	505.05
		20 Amp. Standard Presswitch			
1281	2991	Sgl. Pole, Brown Nylon Button	10/30	$244.80	$214.20
1281-I	2991-I	Sgl. Pole, Ivorine Nylon Button	10/30	258.40	226.10
1281-GRY	2991-GRY	Sgl. Pole, Gray Nylon Button ..	10/30	258.40	226.10
1282	2992	Dbl. Pole, Brown Nylon Button	2/10	292.00	255.50
1282-I	2992-I	Dbl. Pole, Ivorine Nylon Button	2/10	306.00	267.75
1282-GRY	2992-GRY	Dbl. Pole, Gray Nylon Button ..	2/10	306.00	267.75
1283	2993	3-Way, Brown Nylon Button	2/10	281.20	246.05
1283-I	2993-I	3-Way, Ivorine Nylon Button ..	2/10	296.00	257.00
1283-GRY	2993-GRY	3-Way, Gray Nylon Button	2/10	296.00	259.00
1284	2994	4-Way, Brown Nylon Button	2/10	624.00	546.00
1284-I	2994-I	4-Way, Ivorine Nylon Button ..	2/10	639.20	559.30
1284-GRY	2994-GRY	4-Way, Gray Nylon Button	2/10	639.20	559.30
		15 Amp. Lighted Button Presswitch			
1257-I	2897-I	Sgl. Pole, Ivorine Button	10/30	258.40	226.10
1258-I	2898-I	3-Way, Ivorine Button	2/10	354.40	310.10
1259-I	.....	4-Way, Ivorine Button	2/10	678.00	593.25
		20 Amp. Lighted Button Presswitch			
1287-I	2997-I	Sgl. Pole, Ivorine Button	10/30	354.40	310.10
1288-I	2998-I	3-Way, Ivorine Button	2/10	450.80	394.45
		15 Amp. Pilot Light Presswitch			
1277	2899-R	Sgl. Pole, Red Nylon Button	10/30	263.60	230.65
1277-I	2899-I	Sgl. Pole, Ivorine Nylon Button	10/50	263.60	230.65
1278	2895-R	3-Way, Red Nylon Button	2/10	487.20	426.30
1278-I	2895-I	3-Way, Ivorine Nylon Button ..	2/10	483.20	422.80
		20 Amp. Pilot Light Presswitch			
1297	2999-R	Sgl. Pole, Red Nylon Button	10/30	360.00	315.00
1297-I	2999-I	Sgl. Pole, Ivorine Nylon Button	10/30	360.00	315.00
1298	2995-R	3-Way, Red Nylon Button	2/10	635.60	556.15
1298-I	2995-I	3-Way, Ivorine Nylon Button ..	2/10	689.20	559.30
		15 Amp. Momentary Contact Presswitch			
1251-MC	.....	Sgl. Pole, Cir. Normally Closed	2/10	370.00	323.75
1251-MO	.....	Sgl. Pole, Cir. Normally Open ..	2/10	370.00	323.75
		20 Amp. Momentary Contact Presswitch			
1281-MC	.....	Sgl. Pole, Cir. Normally Closed	2/10	473.60	414.40
1281-MO	.....	Sgl. Pole, Cir. Normally Open ..	2/10	473.60	414.40

SPECIAL PURPOSE LOCKING ATTACHMENTS

Cat. No. Hubbell	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	Locking Attachment for Switches			
96061	Straight Keying (all locks alike)	2/10	$1118.40	$978.60
96062	Straight Keying (all locks individual)	2/10	1118.40	978.60
96059	Master Keying (all locks alike in groups)	2/10	POA	POA
96060	Master Keying (all locks individual)	2/10	1354.00	1184.75
	Locking Cover and Plate for Single Outlets			
96067	Straight Keying (all locks alike)	2/10	1332.80	1166.20
96068	Straight Keying (all locks individual)	2/10	1332.80	1166.20
96065	Master Keying (all locks alike in groups)	2/10	POA	POA
96066	Master Keying (all locks individual)	2/10	1567.60	1271.65



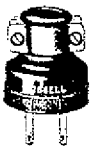
No. 9260



No. 9595



No. 9754



No. 9840



No. 7057



No. 7084



No. 7611



No. 9952

STRAIGHT BLADE 2-WIRE DUPLEX OUTLETS — SPECIFICATION GRADE

15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		For Back or Side Wiring			
9260	.....	Brown Phenolic	10/100	$ 98.80	$86.45
9260-I	.....	Ivorine Phenolic	10/50	108.00	94.50
		For Side Wiring			
9595	1913	Brown Phenolic	10/100	66.40	58.10
9595-I	1913-I	Ivorine Phenolic	10/100	77.20	67.55
9595-GRY	1913-GRY	Gray Phenolic	10/100	77.20	67.55
9575	1913-A	With Narrow Ears	10/100	66.40	58.10
7260	8264	On 3¾" Metal Box Cover	10/50	97.60	85.40
7137	8272	On 4" Metal Box Cover	5/50	102.80	89.95

STRAIGHT BLADE 2-WIRE HEAVY DUTY CAPS

15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Armored Caps				
7057	7650	With Cord Grip	.296-.562	10/50	$82.40	$72.10
7184	7650	With Cord Grip	.406-.625	10/50	82.40	72.10
7059	7651	With Cord Grip*	.296-.562	10/50	96.80	84.70
7185	7651	With Cord Grip*	.406-.625	10/50	96.80	84.70
9077	9077	With Angle Cord Grip	.500-.625	10/50	145.60	127.40
7162	.....	With Cord Grip, Double "T" Blades	.296-.562	10/30	117.60	102.90
7286	.....	With Cord Grip, Double "T" Blades*	.296-.562	10/30	134.40	117.60
		Rubber Caps				
9754	7640	With Cord Grip	.296-.625	10/50	75.60	66.15
9755	7641	With Cord Grip*	.296-.625	10/50	89.60	78.40
9972	3480†	Without Cord Grip	.312-.437	25/100	45.60	39.90
9934	3482†	Without Cord Grip	.625	25/100	53.20	46.55
9973	.....	Without Cord Grip*	.312-.437	25/100	56.40	49.35
9935	.....	Without Cord Grip*	.625	25/100	56.40	49.35
9940	3486†	With Cord Grip	.312-.437	25/100	66.40	58.10
9937	3488†	With Cord Grip	.625	25/100	72.00	63.00
9941	.....	With Cord Grip*	.312-.437	25/100	76.40	66.85
9938	.....	With Cord Grip*	.625	25/100	76.40	66.85
9759	.....	With Cord Grip, Double "T" Blades	.296-.625	10/50	125.60	109.90
9760	.....	With Cord Grip, Double "T" Blades*	.296-.625	10/50	136.00	119.00

*Polarized.
†Nylon Dead Front Type

STRAIGHT BLADE 2-WIRE HEAVY DUTY CONNECTOR BODIES

15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Armored Connector Bodies				
7084	7234	With Cord Grip	.296-.562	10/50	$133.60	$116.90
7187	7234	With Cord Grip	.406-.625	10/50	133.60	116.90
		Phenolic Connector Bodies				
7080	.....	Without Cord Grip	.312	10/50	102.80	89.95
5574	8222	Without Cord Grip	.406	10/50	102.80	89.95
7614	8225	With Cord Grip	.218-.312	10/50	122.80	107.45
7611	8224	With Cord Grip	.296-.562	10/50	122.80	107.45
		Rubber Connector Bodies				
9952	4492	Without Cord Grip	.312-.468	10/50	86.00	75.25
9954	4493	Without Cord Grip	.625	10/50	86.00	75.25
9953	4494	With Cord Grip	.312-.468	10/50	104.40	91.35
9955	4495	With Cord Grip	.625	10/50	104.40	91.35

HUBBELL — ARROW-HART WIRING DEVICES

STRAIGHT BLADE 3-WIRE GROUNDING DUPLEX AND SINGLE OUTLETS — SPECIFICATION GRADE

15 Amp., 125 Volts A.C. or D.C.


No. 5262


No. 5261


No. SG-62


No. 5252


No. 5251

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Duplex Outlets			
5262	5262	Brown Phenolic	10/50	$258.80	$226.45
5262-I	5262-I	Ivorine Phenolic	10/50	272.80	238.70
5262-GRY	5262-GRY	Gray Phenolic	10/50	272.80	238.70
5282	5282	On 4" Metal Box Cover	5/50	288.80	252.70
		Single Outlets			
5261	5261	Brown Phenolic	10/50	200.00	175.00
5261-I	5261-I	Ivorine Phenolic	10/50	212.40	185.85
5261-GRY	5261-GRY	Gray Phenolic	10/50	212.40	185.85
5271	5271	On 3¼" Metal Box Cover	10/50	217.60	190.40
5281	5281	On 4" Metal Box Cover	5/50	225.60	197.40

STRAIGHT BLADE 3-WIRE SAFETY GROUNDING DUPLEX OUTLETS — SPECIFICATION GRADE

15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
SG-62	6352	Brown Phenolic	10/50	$312.80	$273.70
SG-62-I	6352-I	Ivorine Phenolic	10/50	326.40	285.60
SG-62-GRY	6352-GRY	Gray Phenolic	10/50	351.60	307.65

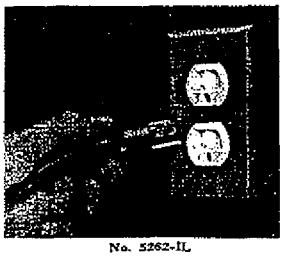
STRAIGHT BLADE 3-WIRE GROUNDING DUPLEX AND SINGLE OUTLETS

15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Duplex Outlets With 1 Grounding Screw and Lead Wire			
5252	5252	Brown Phenolic	10/50	$132.40	$115.85
5252-I	5252-I	Ivorine Phenolic	10/50	146.80	128.45
5252-GRY	5252-GRY	Gray Phenolic	10/50	146.80	128.45
5253	5254	No. 5252 on 4" Metal Box Cover	10/50	155.60	136.15
		Duplex Outlets With 1 Grounding Screw			
5242	.....	Brown Phenolic	10/50	96.40	84.35
5242-I	.....	Ivorine Phenolic	10/50	102.80	89.95
5242-GRY	.....	Gray Phenolic	10/50	102.80	89.95
5230	5242	Br. Phenolic, Competitive Grade	10/100	79.20	69.30
5230-I	5242-I	Iv. Phenolic, Competitive Grade	10/100	85.60	74.90
		Single Outlets With 1 Grounding Screw			
5251	5251	Brown Phenolic	10/50	101.20	88.55
5251-I	5251-I	Ivorine Phenolic	10/50	107.60	94.15
5251-GRY	5251-GRY	Gray Phenolic	10/50	107.60	94.15

STRAIGHT BLADE 3-WIRE GROUNDING LIGHTED FACE DUPLEX OUTLET — SPECIFICATION GRADE

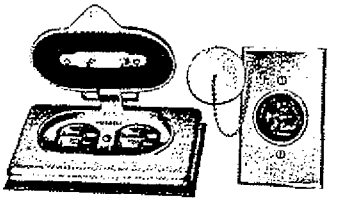
15 Amp., 125 Volts A.C. or D.C.


No. 5262-IL

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
5262-IL	Duplex Outlet With Lighted Face	10/50	$398.80	$348.95


No. 5284

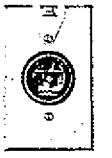

No. 5280


No. 5214

No. 5260


No. 5287


No. 5266-C


No. 5233


No. 5389

STRAIGHT BLADE 3-WIRE GROUNDING WEATHERPROOF OUTLET AND PLATE COMBINATIONS

15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
5212	4500	No. 5252 Duplex Outlet With Cast Alum. Lift Cover Plate 5210 for Standard Box Mounting	2/10	$590.80	$516.95
5213	4500FS	No. 5252 Duplex Outlet With Cast Alum. Lift Cover Plate 5211 for FS Box Mounting	2/10	590.80	516.95
5214	.....	No. 5262 Duplex Outlet With Cast Alum. Lift Cover Plate 5210 for Standard Box Mounting	2/10	727.60	636.65
5260	5260	Single Outlet With .040" Plate, Metal Closure Cover and Weatherproof Mat	2/10	454.00	377.25
7793	7793	Threaded Metal Shield for Covering 5263 Cap	2/10	254.80	101.15
5293	.....	Black Insulprene Single Outlet With 6" #14 Stranded Wire Leads	10/50	115.60	222.95

STRAIGHT BLADE 3-WIRE GROUNDING SPECIAL PURPOSE OUTLETS

15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
5233	5707	Clock Hanger Type, .040" Brass Plate	2/10	$516.00	$451.50
5234	.....	Clock Hanger Type, .060" Brass Plate	2/20	564.40	493.85
5235	5708	Clock Hanger Type, S/S Plate	2/10	516.00	451.50
5231	5750	Fan Hanger Yoke Support Type, .060" Brass Plate	10/20	640.40	560.35
5231-SS	5760	Fan Hanger Yoke Support Type, S/S Plate	10/20	640.40	560.35
5232	5751	Fan Hanger Stud Support Type, .060" Brass Plate	10/20	640.40	560.35
5232-SS	5761	Fan Hanger Stud Support Type, S/S Plate	10/20	640.40	560.35
5236	5797	Floor Type With Bevel Edge .060" Brass Plate	2/10	724.00	633.50
5349	5349	Superseded by 5749	.....	.....	.....
5389	5389	Outlet & Single Pole 20A Pilot Light "Presswitch" With Type 303 S/S Plate	2/10	744.00	651.00

STRAIGHT BLADE 3-WIRE GROUNDING CAPS

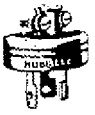
15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Nylon Armored Caps				
5266-C	6266	Nylon Insulgrip	.296-.687	10/50	$170.40	$149.10
5264	5264	With Cord Grip	.296-.625	10/50	101.60	88.90
5280	.....	With Anchor Lock and Cord Grip	.296-.625	10/50	181.20	158.55
5287	5285	With Angle Cord Grip (Rd.) (Flat)	.296-.625 ⅛" x ⅜"	10/50	178.80	156.45
		Phenolic Caps				
5263	5263	Brown Without Cord Grip	.437	10/50	70.40	61.60
5263-I	5263-I	Ivorine Without Cord Grip	.437	10/50	96.80	84.70
		Rubber Caps				
5266	5266	With Cord Grip	.296-.625	10/50	107.60	94.15
5274	5274	Finger Grip Type W/o Cord Grip	.312-.468	10/50	86.00	75.25
5275	5275	Finger Grip Type W/o Cord Grip	.625	10/50	86.00	75.25
5276	5276	Finger Grip Type With Cord Grip	.312-.468	10/50	108.40	94.85
5277	5277	Finger Grip Type With Cord Grip	.625	10/50	108.40	94.85
		"Insulprene" Cap				
5208	5208	With Cord Grip	.296-.625	10/50	134.00	117.25
		Special Purpose Cap				
5299	.....	VH-57 Housing, Fusible (to 15 Amp.) W/Cord Grip	.296-.625	10/50	354.40	310.10

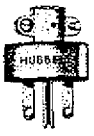

No. 5662


No. 5661


No. 4788


No. 4776


No. 4730


No. 5664


No. 5607


No. 4785


No. 4750


No. 4760

STRAIGHT BLADE 3-WIRE GROUNDING DUPLEX AND SINGLE OUTLETS — SPECIFICATION GRADE
15 Amp., 250 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Duplex Outlets			
5662	5662	Brown Phenolic	10/50	$304.00	$266.00
5662-I	5662-I	Ivorine Phenolic	10/50	318.40	278.60
5682	5682	Brown on 4" Metal Box Cover	10/50	329.20	288.05
5682-I	.....	Ivorine on 4" Metal Box Cover	10/50	344.00	301.00
		Single Outlets			
5661	5661	Brown Phenolic	10/50	220.40	192.85
5661-I	5661-I	Ivorine Phenolic	10/50	233.60	204.40

STRAIGHT BLADE 3-WIRE GROUNDING CAPS AND CONNECTOR BODY
15 Amp., 250 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
5666C	.....	Nylon Insulgrip	.296-.687	10/50	$183.20	$160.30
		Armored Caps				
5664	5686	With Cord Grip	.296-.625	10/50	118.00	103.25
5640	.....	With Anchor Lock and Cord Grip	.296-.625	10/50	246.40	215.60
5665	.....	With Adjustable 4 Position Cord Grip	.296-.625	10/50	178.80	156.45
		"Insulprene" Connector Body				
5607	.....	With Cord Grip	.296-.625	10/50	292.80	256.20
		Nylon Connector Body				
5669C	.....	Nylon Insulgrip	.296-.687	10/50	334.40	292.60

"TWIST-LOCK" 3-WIRE GROUNDING DUPLEX AND SINGLE OUTLETS
15 Amp., 277 Volts A.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Duplex Outlets			
4750	4750	For Back or Side Wiring	10/50	$400.00	$350.00
4751	4751	For Back or Side Wiring on 4" Metal Box Cover	5/30	438.00	383.25
4752	4752	For Side Wiring, 2 Feeds, 1 Return	10/50	430.40	376.60
4753	4753	For Side Wiring, 2 Feeds, 2 Returns	10/50	430.40	376.60
		Single Outlets			
4760	4760	For Side Wiring	10/50	266.00	232.75
4761	4761	For Side Wiring on 4" Metal Cover	5/50	303.60	265.65

"TWIST-LOCK" 3-WIRE GROUNDING CAPS AND CONNECTOR BODY
15 Amp., 277 Volts A.C.

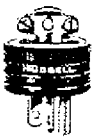
Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Caps				
4776	4776	Armored With Cord Grip	.296-.625	10/50	$160.80	$140.70
4773	4773	Phenolic With Cord Grip	.296-.625	10/50	148.00	129.50
4770	4770	Rubber With Cord Grip	.296-.625	10/50	172.80	168.70
		Connector Body				
4780	4780	Phenolic With Cord Grip	.296-.625	10/50	253.60	221.90

"TWIST-LOCK" 3-WIRE GROUNDING FLANGED INLET AND FLANGED OUTLET
15 Amp., 277 Volts A.C.

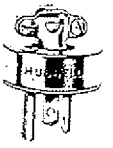
Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
4786	4786	Inlet, Exposed Terminals	10/50	$226.40	$198.10
4785	4785	Outlet, Covered Terminals	10/50	292.80	256.20


No. 5362


No. 5364


No. 5375


No. 5482


No. 5464


No. 5474

STRAIGHT BLADE 3-WIRE GROUNDING DUPLEX AND SINGLE OUTLETS AND CAPS
20 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Duplex Outlets — Specification Grade			
5362	5739	Brown for Back or Side Wiring	10/50	$294.40	$257.60
5362-I	5739-I	Ivorine for Back or Side Wiring	10/100	298.00	260.75
5362-GRY	5739-GRY	Gray for Back or Side Wiring	10/50	298.00	260.75
5363	.....	For Back or Side Wiring on 4" Metal Box Cover	5/50	377.60	330.40
		Single Outlets — Specification Grade			
5361	5361	Brown for Back or Side Wiring	10/50	210.40	184.10
5361-I	5361-I	Ivorine for Back or Side Wiring	10/50	214.40	187.60
5361-GRY	5361-GRY	Gray for Back or Side Wiring	10/50	214.40	187.60
		Duplex Outlets — Standard Grade			
5352	5735	Brown for Side Wiring	10/50	220.40	192.85
5352-I	5735-I	Ivorine for Side Wiring	10/50	236.00	206.50
5352-GRY	5735-GRY	Gray for Side Wiring	10/50	236.00	206.50
5353	5724	For Side Wiring on 4" Metal Box Cover	5/50	246.80	215.95
5342	5762	Brown for Side Wiring	10/50	143.60	125.65
5342-I	5762-I	Ivorine for Side Wiring	10/50	150.00	131.25
		Single Outlets — Standard Grade			
5351	5721	Brown for Side Wiring	10/50	149.20	130.55
5351-I	5721-I	Ivorine for Side Wiring	10/50	162.80	142.45
		Caps			
5364	5786	Armored With Cord Grip, Cord Grip Range .296-.625	10/50	177.20	155.05
5359	.....	Armored With 4 Position Angle Cord Grip, Cord Grip Range .296-.625	10/50	257.60	225.40
5365	.....	Armored With Anchor Lock and Cord Grip, Cord Grip Range .296-.625	10/50	260.80	228.20
5375	.....	Insulprene With Cord Grip, Cord Grip Range .296-.625	10/50	203.20	177.80
5366	5726	Rubber With Cord Grip, Cord Grip Range .296-.625	10/50	187.60	164.15
5366C	.....	Nylon Insulgrip Cord Grip Range .296-.687	10/50	218.00	190.75

STRAIGHT BLADE 3-WIRE GROUNDING DUPLEX AND SINGLE OUTLETS — SPECIFICATION GRADE
20 Amp., 250 Volts A.C. or D.C.
For Air Conditioners, Heaters, Power Tools, Etc.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Duplex Outlets			
5462	5862	Brown Phenolic	10/50	$372.00	$325.50
5462-I	5862-I	Ivorine Phenolic	10/50	386.80	338.45
5462-GRY	5862-GRY	Gray Phenolic	10/50	386.80	338.45
5463	5865	No. 5462 on 4" Alum. Box Cover	5/50	397.60	347.90
		Single Outlets			
5461	5861	Brown Phenolic	10/50	268.00	234.50
5461-I	5861-I	Ivorine Phenolic	10/50	282.40	247.10
5451	5851	Brown Phenolic, Side Wired	10/50	169.20	148.05
5451-I	5851-I	Ivorine Phenolic, Side Wired	10/50	182.80	159.95
5484	5843	Short Mounting Strap, Mtg. Holes 1¾" Centers, Brown	10/50	192.40	168.35
5484-I	.....	Same as 5484 Except Ivorine	10/50	205.20	179.55

STRAIGHT BLADE 3-WIRE GROUNDING CAPS AND CONNECTOR BODY
20 Amp., 250 Volts A.C. or D.C.
For Air Conditioners, Heaters, Power Tools, Etc.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Caps				
5466C	.....	Nylon Insulgrip	.296-.687	10/50	$227.60	$199.15
5464	5864	Armored With Cord Grip	.296-.625	10/50	238.40	208.60
5475	.....	Insulprene With Cord Grip	.296-.625	10/50	270.40	236.60
		Connector Body				
5469C	.....	Nylon Insulgrip	.296-.687	10/50	358.80	313.95
5474	5869	Armored With Cord Grip	.296-.625	10/50	316.80	277.20

HUBBELL — ARROW-HART WIRING DEVICES


No. 7465


No. 7464

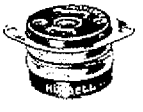

No. 7540


No. 7535


No. 7466


No. 7468


No. 7523


No. 7526

MIDGET "TWIST-LOCK" 2-WIRE CAPS AND CONNECTOR BODIES
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Midget Caps				
7462	7462	Without Cord Grip	.375	10/50	$40.00	$35.00
7477	7477	Without Cord Grip*	.375	10/60	49.20	43.05
7465	7465	With Cord Grip	.218-.312	10/50	53.60	46.90
7428	7428	With Cord Grip	.312-.500	10/50	53.60	46.90
7479	7479	With Cord Grip*	.218-.312	10/50	63.60	55.65
7429	7429	With Cord Grip*	.312-.500	10/50	63.60	55.65
		Midget Connector Bodies				
7461	7461	Without Cord Grip	.375	10/60	79.20	69.30
7464	7464	With Cord Grip	.218-.312	10/50	96.80	84.70
7427	7427	With Cord Grip	.312-.500	10/50	98.00	85.75

*Polarized.

MIDGET "TWIST-LOCK" 2-WIRE FLANGED INLETS AND FLANGED OUTLETS
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Flanged Inlets				
7466	7466	Exposed Terminals		10/50	$116.00	$101.50
7467	7467	Exposed Terminals*		10/60	140.80	123.20
		Flanged Outlets				
7468	7468	Exposed Terminals		10/50	140.80	123.20
7471	7471	Covered Terminals	.375	10/50	148.00	129.50
7472	7472	Covered Terminals With Cord Grip	.218-.312	10/50	162.00	141.75
7474	.....	Covered Terminals for Reversing Mtg. on Panels	.375	10/50	160.00	140.00

*Polarized.

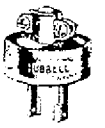
"TWIST-LOCK" 2-WIRE DUPLEX AND SINGLE OUTLETS
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Duplex Outlets			
7540	7540	Standard	10/50	$200.00	$175.00
7544	7544	On 4" Metal Box Cover	5/30	228.40	199.85
7538	7538	2 Feeds, 1 Return	10/60	228.40	199.85
7539	7539	2 Feeds, 2 Returns	10/50	228.40	199.85
7457	7457	On 4" Metal Cover, 2 Feeds, 1 Return	10/30	257.20	225.05
7458	7458	On 4" Metal Cover, 2 Feeds, 2 Returns	10/30	257.20	225.05
		Single Outlets			
7535	7535	Standard	10/50	122.40	107.10
7537	7537	On 4" Metal Box Cover	5/30	153.20	134.05
7498	7498	With Short Mounting Strap	10/50	122.40	107.10

"TWIST-LOCK" 2-WIRE FLANGED INLETS AND FLANGED OUTLETS
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Flanged Inlets				
7523	7523	Exposed Terminals	.468	10/50	$104.80	$123.20
7524	.....	Exposed Terminals*	.468	10/50	168.80	147.70
		Flanged Outlets				
7526	7526	Exposed Terminals		10/50	162.00	141.75
7528	7528	Covered Terminals With Cord Grip	.296-.562	10/60	184.00	161.00

*Polarized.


No. 7542

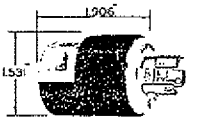

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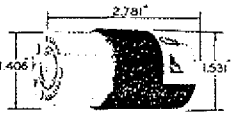
"TWIST-LOCK" 2-WIRE CAPS AND CONNECTOR BODIES
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Caps				
7542	7542	Armored With Cord Grip	.296-.562	10/50	$ 98.00	$ 85.75
7549	7542	Armored With Cord Grip	.406-.625	10/50	98.00	85.75
7588	.....	Armored With Cord Grip*	.296-.562	10/50	115.20	100.80
7589	.....	Armored With Cord Grip*	.406-.625	10/50	115.20	100.80
7642	7642	Armored W/Angle Cord Grip	.500-.625	10/60	143.60	125.65
7504	7504	Phenolic W/o Cord Grip	.375	10/60	74.40	65.10
7505	.....	Phenolic W/o Cord Grip*	.375	10/60	74.40	65.10
7697	7697	Phenolic With Cord Grip	.218-.312	10/50	84.80	74.20
7507	7507	Phenolic With Cord Grip	.296-.562	10/50	84.80	74.20
7698	.....	Phenolic With Cord Grip*	.218-.312	10/50	96.80	84.70
7508	.....	Phenolic With Cord Grip*	.296-.562	10/50	96.80	84.70
7545	7545	Rubber With Cord Grip	.296-.625	10/50	118.00	103.25
7547	7545	Rubber With Cord Grip*	.296-.625	10/60	143.20	125.65
		Connector Bodies				
7688	7688	Armored With Cord Grip	.296-.562	10/50	163.20	142.80
7689	7688	Armored With Cord Grip	.406-.625	10/50	163.20	142.80
7503	7503	Phenolic W/o Cord Grip	.375	10/50	110.80	96.95
7696	7696	Phenolic With Cord Grip	.218-.312	10/50	131.60	115.15
7506	7506	Phenolic With Cord Grip	.296-.562	10/50	131.60	115.15

*Polarized.

INSULGRIP "TWIST-LOCK" DEVICES
With Non-Metallic Nylon Cord Grip





Cap. Cat. No.	Per 100 Ctn.	Pkg.	Body Cat. No.	Per 100 Ctn.	Pkg.	Range Cable Grip	Ctn./ Pkg.
			15 Amp. 125 Volt				
4720C	$172.80	$151.20	4729C	$308.80	$270.20	.296"-.687"	10/50
			15 Amp. 250 Volt				
4570C	182.00	159.25	4579C	316.40	276.85	.296"-.687"	10/50
			15 Amp. 277 Volt				
4770C	192.80	168.70	4779C	331.60	290.15	.296"-.687"	10/60
			10 Amp. 250 Volt — 15 Amp. 125 Volt				
7567C	182.00	159.25	7565C	307.60	269.15	.296"-.687"	10/50
			20 Amp. 125 Volt/250 Volt				
9965C	228.00	199.50	7314C	356.00	311.50	.385"-.843"	10/30
			20 Amp. 250 Volt A.C. or D.C. 10a 600v A.C.				
9965GC	228.00	199.50	7314GC	356.00	311.50	.385"-.843"	10/30

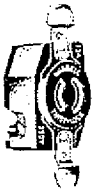
Above Caps Mate with any Twist-Lock Outlet of the same Rating.

Cap. Cat. No.	Per 100 Ctn.	Pkg.	Body Cat. No.	Per 100 Ctn.	Pkg.	Outlet Cat. No.	Per 100 Ctn.	Pkg.
			20 Amp. 125 Volt					
2311	$228.00	$199.50	2313	$356.00	$311.50	2310	$301.20	$263.55
			20 Amp. 250 Volt					
2321	228.00	199.50	2323	373.20	326.55	2320	374.00	327.25
			20 Amp. 277 Volt					
2331	270.80	236.95	2333	390.00	341.25	2330	390.80	341.95
			20 Amp. 480 Volt					
2341	288.40	252.35	2343	407.20	356.30	2340	407.20	356.30
			30 Amp. 125 Volt					
2611	336.00	294.00	2613	729.20	638.05	2610	410.80	359.45
			30 Amp. 250 Volt					
2621	336.00	294.00	2623	658.40	576.10	2620	466.40	408.10
			30 Amp. 277 Volt					
2631	428.80	375.20	2633	836.40	731.85	2630	483.20	422.80
			30 Amp. 480 Volt					
2641	445.20	389.55	2643	845.60	739.90	2640	500.40	437.85

Cord grip range for caps and bodies is .385"-.843".


No. 4891


No. 7608


No. 7210


No. 7102


No. 7101

STRAIGHT BLADE 2-WIRE FLANGED INLETS AND FLANGED OUTLETS
15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-P	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Flanged Inlets				
4897	SRV	Top Wiring Terminals	.406x.312	10/50	$148.00	$129.50
4898	.....	Top Wiring Terminals*	.406x.312	10/50	135.20	118.30
4856	.....	Top Wiring Terminals With Cord Grip	.406-.625	10/50	180.80	158.20
4891	.....	Exposed Wiring Terminals		10/50	110.80	96.95
6823	RM	Surface Type, W/o Flange	.406x.312	10/50	58.80	51.45
		Flanged Outlets				
7608	.....	Exposed Wiring Terminals		10/50	116.80	102.20
7609	.....	Covered Terminals	.406	10/50	140.80	123.20
7610	.....	Covered Terminals With Cord Grip	.296-.562	10/50	148.80	130.20
7332	.....	Covered Terminals, Black Composition	.406	10/50	192.40	168.35

*Polarized.

"TWIST-LOCK" 2-WIRE SINGLE OUTLETS
20 Amp., 250 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
7210	7210	Black Porcelain	10/50	$131.60	$115.15
7210-B	7210-B	Black Phenolic	10/50	131.60	115.15
7217	7217	No. 7210 on 4" Metal Box Cover	5/30	165.60	144.90
7217-B	7217-B	No. 7210-B on 4" Metal Box Cover	5/30	165.60	144.90
7624	.....	Conduit Box Type, Porcelain, Mtg. Screw Holes 2¼" on Centers	10/50	140.00	122.50

"TWIST-LOCK" 2-WIRE CAPS AND CONNECTOR BODIES
20 Amp., 250 Volts A.C. or D.C.

Cat. No. Hubbell	A-P	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Armored Caps				
7102	7102	With Cord Grip	.296-.562	10/30	$101.20	$ 88.55
9102	9102	With Cord Grip*	.296-.562	10/30	115.60	101.15
7238	7102	With Cord Grip	.406-.625	10/30	101.20	88.55
9103	.....	With Cord Grip*	.406-.625	10/30	115.60	101.15
7228	7228	With Angle Cord Grip	.500-.625	10/30	137.20	120.05
3221	.....	Super Series W/Cord Grip	.296-.625	10/30	108.00	94.50
3222	.....	Super Series W/Cord Grip*	.296-.625	10/30	121.60	106.40
		"Insulprene" Caps				
9770	7963	With Cord Grip	.296-.625	10/30	148.80	130.20
9771	7964	With Cord Grip*	.296-.625	10/30	171.20	149.80
		Rubber Caps				
9763	9763	With Cord Grip	.296-.625	10/30	124.00	108.50
9764	9764	With Cord Grip*	.296-.625	10/30	147.20	128.80
		Armored Connector Bodies				
7101	7101	With Cord Grip	.296-.562	10/30	167.60	146.65
7224	7101	With Cord Grip	.406-.625	10/30	167.60	146.65
3223	.....	Super Series W/Cord Grip	.296-.625	10/30	174.80	152.95
		"Insulprene" Connector Body				
9768	7901	With Cord Grip	.296-.625	10/30	305.60	267.40

*Polarized.


No. 7485

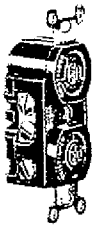

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No. 7486


No. 7487


No. 9782


No. 9780


No. 7580


No. 7582

MIDGET "TWIST-LOCK" 3-WIRE CAPS AND CONNECTOR BODIES
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Midget Caps				
7482	7482	Without Cord Grip	.500	10/50	$116.00	$101.50
7485	7485	With Cord Grip	.281-.421	10/50	127.20	111.30
		Midget Connector Bodies				
7484	7484	With Cord Grip	.281-.421	10/50	182.80	159.95
7481	7481	Without Cord Grip	.500	10/50	172.40	150.85

MIDGET "TWIST-LOCK" 3-WIRE FLANGED INLETS AND FLANGED OUTLETS
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia. Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Flanged Inlets				
7486	7486	Exposed Wiring Terminals		10/50	$162.00	$141.75
7486-G	7486-G	Same as 7486 Grounded		10/50	162.00	141.75
		Flanged Outlets				
7487	7487	Exposed Wiring Terminals		10/50	198.00	173.25
7487-G	7487-G	Same as 7487 Grounded		10/50	198.00	173.25
7488	7488	Covered Terminals Without Cord Grip	.500	10/50	218.80	191.45
7488-G	7488-G	Same as 7488 Grounded	.500	10/50	218.80	191.45
7489	7489	Covered Terminals With Cord Grip	.281-.421	10/50	238.40	208.60
7489-G	7489-G	Same as 7489 Grounded	.281-.421	10/50	238.40	208.60

"TWIST-LOCK" 3-WIRE DUPLEX AND SINGLE OUTLETS
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Duplex Outlets			
7580	7580	Standard	10/50	$374.40	$327.60
7581	7581	On 4" Metal Box Cover	5/30	417.20	365.05
7785	7785	2 Feeds, 1 Return Side Wired Only	5/30	403.20	352.80
7786	7786	2 Feeds, 2 Returns Side Wired Only	5/30	403.20	352.80
		Single Outlets			
7582	7582	Standard	10/50	257.20	225.05
7583	.....	On 3¾" Metal Box Cover	10/30	277.20	242.55
7584	7584	On 4" Metal Box Cover	5/30	297.60	260.40
7585	.....	Short Strap, 1¾" Centers	10/50	257.20	225.05
7586	7586	With Short Strap	10/50	257.20	225.05

Note: All above available grounded; add suffix "G" to catalog number.

"TWIST-LOCK" 3-WIRE CAPS AND CONNECTOR BODIES
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

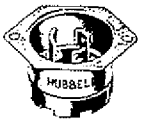
Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Caps				
7572	7572	Armored With Cord Grip	.296-.625	10/50	$150.40	131.60
7554	7554	Phenolic With Cord Grip	.296-.625	10/50	137.20	120.05
9782	7657	"Insulprene" W/Cord Grip	.296-.625	10/50	217.60	190.40
7567	7567	Rubber With Cord Grip	.296-.625	10/50	181.60	158.90
		Connector Bodies				
7555	7555	Phenolic With Cord Grip	.296-.625	10/50	238.40	208.60
7564	.....	Rubber Casing for Use With 7555 (Shock Absorber)		10/30	97.20	69.30
9780	7565	"Insulprene" W/Cord Grip	.296-.625	10/50	284.40	248.85

Note: All above available grounded; add suffix "G" to catalog number.

HUBBELL — ARROW-HART WIRING DEVICES


No. 7051


No. 6051


No. 7556


No. 7557


No. 7055


No. 7082


No. 7310


No. 7310-B

"TWIST-LOCK" 3-WIRE FLANGED INLETS AND FLANGED OUTLETS
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
7556	7556	Flanged Inlet	10/50	$198.00	$173.25
7556-G	7556-G	Same as 7556 Grounded	10/50	198.00	173.25
7557	7557	Flanged Outlet	10/50	218.80	191.45
7557-G	7557-G	Same as 7557 Grounded	10/50	218.80	191.45

STRAIGHT BLADE 3-WIRE DUPLEX AND SINGLE OUTLETS
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Duplex Outlets			
7051	7118	Black Phenolic	10/30	$335.20	$293.30
7051-I	.....	Ivorine Phenolic	10/30	352.40	308.35
7208	.....	On 4" Round Metal Box Cover	5/30	368.00	322.00
		Single Outlets			
6051	6051	Black Phenolic	10/50	241.20	211.05
6051-I	.....	Ivorine Phenolic	10/50	256.80	224.70
7215	7215	3 Binding Screws, Short Strap	10/30	188.00	164.50

Note: All above available grounded; add suffix "G" to catalog number.

STRAIGHT BLADE 3-WIRE CAPS AND CONNECTOR BODIES
10 Amp., 250 Volts; 15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Armored Caps				
†7055	7658	With Cord Grip	.296-.562	10/50	$123.20	$107.80
†7309	7658	With Cord Grip	.406-.625	10/50	123.20	107.80
†7368	.....	With Angle Cord Grip	.500-.625	10/50	162.00	141.75
		Phenolic Caps				
7252	.....	Without Cord Grip	.250	10/50	78.40	68.60
6149	.....	Without Cord Grip	.437	10/50	78.40	68.60
		Rubber Caps				
†9750	7662	With Cord Grip	.296-.625	10/50	123.20	107.80
9975	4470	Without Cord Grip	.312-.468	10/50	82.40	72.10
9976	4471	Without Cord Grip	.625	10/50	82.40	72.10
9413	4474	With Cord Grip	.312-.468	10/50	97.60	85.40
9414	4475	With Cord Grip	.625	10/50	97.60	85.40
		Armored Connector Bodies				
†7082	8143	With Cord Grip	.296-.562	10/50	206.00	180.25
7308	8144	With Cord Grip	.406-.625	10/50	206.00	180.25
		Composition Connector Body				
6409	.....	Without Cord Grip	.437	10/50	151.60	132.65
		Rubber Connector Bodies				
9409	.....	Without Cord Grip	.312-.468	10/50	153.60	134.40
9411	.....	Without Cord Grip	.625	10/50	153.60	134.40
9410	4472	With Cord Grip	.312-.468	10/50	172.40	150.85
9412	4473	With Cord Grip	.625	10/50	172.40	150.85

†Available grounded; add suffix "G" to catalog number.

"TWIST-LOCK" 3-WIRE SINGLE OUTLETS
20 Amp., 125/250 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
7310	7310	Black Porcelain	10/30	$301.20	$263.55
7310-B	7310-B	Black Phenolic	10/30	301.20	263.65
7517	7517	No. 7310 on 4" Metal Box Cover	5/20	332.80	291.20
7517-B	7517-B	No. 7310-B on 4" Metal Box Cover	5/20	332.80	291.20

Note: All above available grounded; add suffix "G" to catalog number.

OUTLET PLATES

7418	7418	Cast Aluminum With Lift Cover	10/20	267.20	233.80
7419	7419	Cast Aluminum Without Lift Cover	10/20	182.00	159.25
7502	.....	.060" Brass, 3 Gang for Two 7310	5/10	496.00	434.00


No. 7311


No. 3321


No. 7313


No. 3323




No. 7327


No. 7328


No. 23000


No. 23020


No. 23002

"TWIST-LOCK" 3-WIRE CAPS AND CONNECTOR BODIES
20 Amp., 125/250 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Armored Caps				
7311	7311	With Cord Grip	.437-.750	10/30	$216.40	$189.35
7354	7354	With Angle Cord Grip	.500-.625	10/30	257.20	225.05
3321	.....	Super Series W/Cord Grip	.437-.750	10/30	228.00	199.50
		"Insulprene" Caps				
9960	7965	With Cord Grip	.437-.750	10/30	263.20	230.30
		Rubber Cap				
9965	9965	With Cord Grip	.437-.750	10/30	227.60	199.15
		Fusible Caps				
7670	.....	With Rubber Cord Grip	.360-.484	10/30	603.60	528.15
7671	.....	With Rubber Cord Grip	.484-.609	10/30	603.60	528.15
		Armored Connector Bodies				
7313	7313	With Cord Grip	.437-.750	10/30	332.80	291.20
3323	.....	Super Series W/Cord Grip	.437-.750	10/30	356.00	311.50
		"Insulprene" Connector Body				
9966	7513	With Cord Grip	.437-.750	10/30	380.00	332.50

Note: All above available grounded; add suffix "G" to catalog number.

"TWIST-LOCK" 3-WIRE FLANGED INLETS AND FLANGED OUTLETS
20 Amp., 125/250 Volts A.C. or D.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Flanged Inlets			
7327	7327	Concealed Wiring	10/30	$256.40	$224.35
3325	.....	Super Series, Exposed Wiring, for Use With Super Series Connector Bodies 3323 or 3323-G only	10/30	239.20	209.30
		Flanged Outlets			
7328	7328	Covered Terminals	10/30	393.60	344.40
3326	3326	Super Series, Exposed Terminals	10/30	412.80	361.20

"HUBBELLOCK" 3-WIRE OUTLETS AND INLETS
20 Amp., 125 Volts A.C. or D.C.
10 Amp., 250 Volts D.C.; 480 Volts A.C.

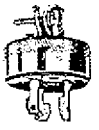
Cat. No. Hubbell	Cat. No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		Outlets			
23000	23000	Black Phenolic	5/20	$555.20	$485.80
23000-G	23000-G	Same as 23000 Grounded	5/20	555.20	485.80
23007	23007	Cast Metal Plate With Lift Cover	5/20	267.20	233.80
		Inlets			
23020	.....	Flanged	5/20	464.80	406.70
23015	23015	Mtd. on Cast Metal Lift Cover Plate	5/20	732.40	640.85

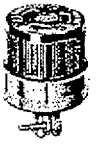
"HUBBELLOCK" 3-WIRE CAPS AND CONNECTOR BODIES
20 Amp., 125 Volts A.C. or D.C.
10 Amp., 250 Volts D.C.; 480 Volts A.C.

Cat. No. Hubbell	Cat. No. A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg
		Caps				
23005	23005	With Cord Grip	.296-.562	5/20	$499.60	$437.15
23006	23005	With Cord Grip	.406-.625	5/20	499.60	437.15
23011	.....	With Rubber Cord Grip	.360-.484	5/20	499.60	437.15
23004	23004	With Rubber Cord Grip	.484-.609	5/20	499.60	437.15
23016	23016	With ½" Fem. Pipe Thread		5/20	575.60	503.65
23026	.....	Fusible With Cord Pipe	.296-.562	5/20	2024.80	1771.70
23027	.....	Fusible With Cord Grip	.406-.625	5/20	2024.80	1771.70
23028	.....	Fusible With Rubber Cord Grip	.360-.484	5/20	2048.40	1792.35
23025	.....	Fusible With Rubber Cord Grip	.484-.609	5/20	2048.40	1792.35
		Connector Bodies				
23002	23002	With Cord Grip	.296-.562	5/20	706.00	617.75
23003	23002	With Cord Grip	.406-.625	5/20	706.00	617.75
23010	.....	With Rubber Cord Grip	.360-.484	5/20	706.00	617.75
23001	23001	With Rubber Cord Grip	.484-.609	5/20	706.00	617.75
23009	23009	With ½" Fem. Pipe Thread		5/20	736.00	644.00

Note: All above available grounded; add suffix "G" to catalog number.


No. 3330

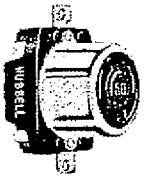

No. 3331


No. 3333


No. 9350


No. 9341


No. 9337


No. 3770


No. 3761


No. 3760

SUPER "TWIST-LOCK" 3-WIRE OUTLET, CAP AND CONNECTOR BODY
30 Amp., 250 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
3330	3330	Outlet, Black Porcelain, Back Wired		10/30	$410.80	$359.45
3331	3331	Cap, Armored With Cord Grip	.625-1.000	10/30	343.60	300.65
3333	3333	Connector Body, Armored With Cord Grip	.625-1.000	10/30	682.80	597.45
		OUTLET PLATES				
3391	.....	.040" Brass, Single Gang		2/10	155.60	136.15
3392	.....	Stainless Steel, Single Gang		2/10	87.60	76.65
3393	7420	Weatherproof Cast Alum. Lift Cover Type for 3330, Fits FS & FD Boxes		2/10	438.00	383.25
3394	.....	Cast Aluminum With Lift Cover for 3330, Fits FS & FD Boxes		2/10	352.80	308.70
3395	.....	4" Square Pressed Steel for Universal Box 52151		2/10	72.40	63.35

STRAIGHT BLADE 3-WIRE SHALLOW FLUSH OUTLETS, CAPS AND CONNECTOR BODY
30 Amp., 125/250 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Outlets — Fit Single and 2-Gang Boxes				
9350	9344	Brown Phenolic		2/10	$227.20	$198.80
9350-G*	.....	Same as 9350 Grounded		2/10	227.20	198.80
9359	9344-FS	No. 9350 Mounted on Cast Alum. Weatherproof Lift Cover Plate 9420		10/20	644.40	563.85
		Caps				
9337	9337	Armored With Cord Grip	.625-1.000	2/10	304.40	266.35
9338*	.....	Armored With Cord Grip, Grounded	.625-1.000	2/10	332.80	290.20
9332	.....	Supereseded by 9337		.....	.....	.....
		Connector Body				
9341	9341	Black Composition	.625-1.000	1/5	737.20	645.05

*Rated 30 Amps., 250 Volts.

"TWIST-LOCK" 3-WIRE OUTLETS AND PLATES
50 Amp., 250 Volts D.C.; 50 Amp., 600 Volts A.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Outlets			
3770	3770	Ungrounded	2/5	$790.80	$691.95
3771	3771	Grounded (Grdg. Terminal Supplied)	2/5	790.80	691.95
		Plates			
7382	7382	Cast Aluminum With Lift Cover	2/5	393.20	344.05
7383	7383	Cast Aluminum Without Lift Cover	2/5	313.20	374.05

"TWIST-LOCK" 3-WIRE CAPS AND CONNECTOR BODIES
50 Amp., 250 Volts D.C.; 50 Amp., 600 Volts A.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Caps				
3761	3761	With Cord Grip	.437-1.140	2/5	$790.80	$691.95
3763	3763	With Cord Grip Grounded to Casing	.437-1.140	2/5	790.80	691.95
		Connector Bodies				
3760	3760	With Cord Grip	.437-1.140	2/5	986.40	863.10
3762	3762	With Cord Grip Grounded to Casing	.437-1.140	2/5	986.40	863.10


No. 7962


No. 7594


No. 7593

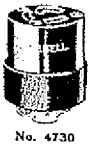

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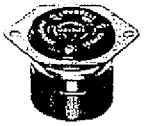

No. 4700


No. 4710


No. 4726


No. 4730


No. 4718


No. 4715

STRAIGHT BLADE 3-WIRE SHALLOW FLUSH OUTLETS
50 Amp., 125/250 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
7962	7985	Black Phenolic	2/10	$240.00	$210.00
7962-G	.....	Same as 7962 Grounded	2/10	240.00	210.00
7955	7985-FS	No. 7962 Mounted on Cast Aluminum W/Proof Lift Cover Plate 9420	10/20	657.20	575.05

MIDGET "TWIST-LOCK" 3-WIRE GROUNDING CAPS AND CONNECTOR BODIES
15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Midget Caps				
7592	6482	Without Cord Grip	.500	10/50	$212.40	$185.85
7594	6485	With Cord Grip	.281-.421	10/50	166.40	145.60
		Midget Connector Bodies				
7591	6481	Without Cord Grip	.500	10/50	212.40	185.85
7593	6484	With Cord Grip	.281-.421	10/50	223.20	195.30

MIDGET "TWIST-LOCK" 3-WIRE GROUNDING FLANGED INLETS AND FLANGED OUTLETS
15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Flanged Inlet				
7595	6486	Exposed Terminals		10/50	$202.00	$176.75
		Flanged Outlets				
7596	6487	Exposed Terminals		10/50	238.00	208.25
7597	6488	Covered Terminals W/o Cord Grip	.500	10/50	258.40	226.10
7598	6489	Covered Terminals With Cord Grip	.281-.421	10/50	277.60	242.90

"TWIST-LOCK" 3-WIRE GROUNDING DUPLEX AND SINGLE OUTLETS
15 Amp., 125 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Duplex Outlets			
4700	4700	Brown for Back or Side Wiring	10/50	$356.00	$311.50
4700-I	4700-I	Ivorine for Back or Side Wiring	10/50	368.40	322.35
4701	4701	On 4" Metal Box Cover for Back or Side Wiring	5/30	397.20	347.55
4702	4702	2 Feeds, 1 Return, for Side Wiring	10/50	384.00	336.00
4703	4703	2 Feeds, 2 Returns, for Side Wiring	10/50	384.00	336.00
		Single Outlet			
4710	4710	For Side Wiring Only	10/50	238.00	208.25

"TWIST-LOCK" 3-WIRE GROUNDING CAPS AND CONNECTOR BODY
15 Amp., 125 Volts A.C. or D.C.

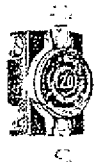
Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Caps				
4726	4726	Armored With Cord Grip	.296-.625	10/50	$142.80	$124.95
4723	4723	Phenolic With Cord Grip	.296-.625	10/50	131.60	115.15
4720	4720	Rubber With Cord Grip	.296-.625	10/50	172.80	151.20
		Connector Body				
4730	4730	Phenolic With Cord Grip	.296-.625	10/50	226.80	198.15

"TWIST-LOCK" 3-WIRE GROUNDING FLANGED INLET AND FLANGED OUTLET
15 Amp., 125 Volts A.C. or D.C.

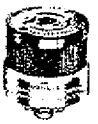
Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
4716	4716	Flanged Inlet	10/50	$202.00	$176.75
4715	4715	Flanged Outlet	10/50	261.20	228.55

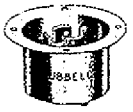
HUBBELL — ARROW-HART WIRING DEVICES


No. 7410


No. 7410-B


No. 7411


No. 7413


No. 7408


No. 7409


No. 7250


No. 7251


No. 7351

"TWIST-LOCK" 4-WIRE SINGLE OUTLETS
20 Amp., 250 Volts A.C. or D.C.; 10 Amp., 600 Volts A.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
7410	7410	Black Porcelain	10/20	$375.60	$328.65
7410-B	7410-B	Black Phenolic	10/20	375.60	328.65
7417	7417	No. 7410 on 4" Metal Box Cover	5/15	396.80	347.20
7417-B	7417-B	No. 7410-B on 4" Metal Box Cover	5/15	396.80	347.20

Note: All above available grounded; add suffix "G" to catalog number.

OUTLET PLATES

7421	7421	.060" Brass, Single Gang	10/20	152.80	133.70
94111	.....	.040" Brass, Single Gang	10/80	92.00	80.50
7422	.....	.060" Brass, for Two 7410 Outlets	5/10	433.60	379.40
93111	.....	Type 302 Super S/S, Single Gang	2/10	90.40	79.10
97111	8345-C	Type 430 S/S, Single Gang	10/100	57.20	50.05
91111	91111	Brown Phenolic, Single Gang	10/30	51.60	41.15
92111	92111	Ivorine Phenolic, Single Gang	10/30	59.60	52.15
7320	.....	Cast Aluminum Without Lift Cover	2/10	438.00	383.25

"TWIST-LOCK" 4-WIRE CAPS AND CONNECTOR BODIES
20 Amp., 250 Volts A.C. or D.C.; 10 Amp., 600 Volts A.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
Caps						
7411	7411	Armored With Cord Grip	.437-.750	10/20	$301.20	$263.55
7426	7426	Armored W/Angle Cord Grip	.500-.625	10/20	332.80	291.20
3421	.....	Super Series, Armored With Cord Grip	.437-.750	10/20	315.20	275.80
Connector Bodies						
7413	7413	Armored With Cord Grip	.437-.750	10/20	417.20	365.05
3423	.....	Super Series, Armored With Cord Grip	.437-.750	10/20	438.00	383.25
9968	7613	Insulprene W/Cord Grip	.437-.750	10/20	438.00	383.25

Note: All above available grounded; add suffix "G" to catalog number.

"TWIST-LOCK" 4-WIRE FLANGED INLETS AND FLANGED OUTLETS
20 Amp., 250 Volts A.C. or D.C.; 10 Amp., 600 Volts A.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
Flanged Inlets					
7408	7408	Concealed Wiring	10/20	$337.20	$295.05
7449	.....	Rubber Gasket for Weatherproofing 7408 and 7408-G	10/20	20.40	17.85
3425	.....	Super Series, Exposed Wiring (use 3423 & 3423-G Connector Bodies)	10/20	354.40	310.10
Flanged Outlets					
7409	7409	Covered Terminals	10/20	454.80	397.95
3426	.....	Super Series, Exposed Terminals	10/20	477.60	417.90

Note: All above available grounded; add suffix "G" to catalog number.

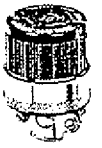
STRAIGHT BLADE 4-WIRE OUTLETS, CAPS AND CONNECTOR BODY
20 Amp., 120/208 Volts 3-Phase Wye

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
Outlets						
7250	7250	Black Phenolic		10/20	$332.80	$291.20
7279	7279	No. 7250 on 4" Metal Cover		5/20	349.20	305.05
Caps						
7251	7251	Armored With Cord Grip	.437-.750	10/20	256.80	224.70
9951	7249	Rubber With Cord Grip	.437-.750	10/20	256.80	224.70
Connector Body						
7351	7351	Armored With Cord Grip	.437-.750	10/20	401.20	351.05

Note: All above available grounded; add suffix "G" to catalog number.


No. 3430


No. 3431


No. 3433


No. 3434


No. 3435


No. 20415


No. 20414


No. 20418


No. 20403

SUPER "TWIST-LOCK" 4-WIRE OUTLET, CAP AND CONNECTOR BODY
30 Amp., 600 Volts A.C.; 30 Amp., 250 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
3430	3430	Outlet, Black Melamine Face, Phenolic Base		10/20	$570.40	$499.10
3431	3431	Cap, Armored W/Cord Grip	.625-1.000	10/20	424.00	371.00
3433	3433	Connector Body, Armored With Cord Grip	.625-1.000	10/20	914.40	800.10

Note: All above available grounded; add suffix "G" to catalog number.

OUTLET PLATES

3391	.....	.040" Brass, Single Gang	2/10	155.60	136.15
3392	7421-C	Stainless Steel, Single Gang	2/10	87.60	76.65
3393	7420-A	Cast Aluminum With Lift Cover, Fits FS and FD Boxes	2/10	438.00	383.25
3394	.....	Cast Aluminum Without Lift Cover, Fits FS and FD Boxes	2/10	352.80	308.70
3395	.....	4" Square Pressed Steel for Universal Box 52151	2/10	72.40	63.35

SUPER "TWIST-LOCK" 4-WIRE FLANGED INLETS AND FLANGED OUTLETS
30 Amp., 600 Volts A.C.; 30 Amp., 250 Volts A.C. or D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
Flanged Inlets					
3434	3434	Exposed Wiring	10/20	$540.00	$472.50
3434-G	.....	Same as 3434 Grounded	10/20	540.00	472.50
Flanged Outlets					
3435	3435	Exposed Wiring	10/20	586.00	512.75
3435-G	3435-G	Same as 3435 Grounded	10/20	586.00	512.75

"HUBBELLOCK" 4-WIRE OUTLETS AND PLATES*
30 Amp., 600 Volts A.C.; 20 Amp., 250 Volts D.C.

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
20403	20403	Outlet, Black Phenolic	2/10	$857.20	$750.80
20405	20416	Cast Metal Plate With Lift Cover	2/10	438.00	383.25
20406	20417	Cast Metal Plate Without Lift Cover	2/10	223.20	195.30

*Grounded devices; for Not Grounded units, add suffix "NG" to catalog number.

"HUBBELLOCK" 4-WIRE INLETS*
30 Amp., 600 Volts A.C.; 20 Amp., 250 Volts D.C.

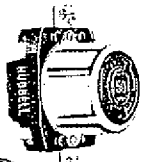
Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
20418	20418	Inlet for FS and FD Boxes	2/10	$685.60	$599.90

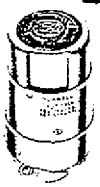
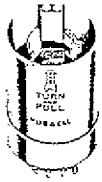
*Grounded devices; for Not Grounded units, add suffix "NG" to catalog number.

"HUBBELLOCK" 4-WIRE CAPS AND CONNECTOR BODIES*
30 Amp., 600 Volts A.C.; 20 Amp., 250 Volts D.C.

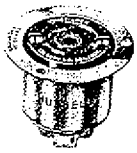
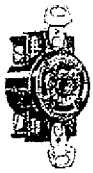
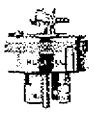
Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
Caps With Cord Grips						
20415	20415	With Metal Cord Grip	.400- .750	2/10	$655.20	$573.30
21415	21415	W/Comb. Metal & Rubber	.390- .562	2/10	720.40	630.35
21426	21426	W/Comb. Metal & Rubber	.500- .750	2/10	720.40	630.35
21419	21443	W/Comb. Metal & Rubber	.687-1.000	2/10	754.00	659.75
Caps With Pipe Threads						
21435	21435	With ½" Female		2/10	685.60	599.90
21436	21436	With ¾" Female		2/10	713.60	624.40
Fusible Caps With Cord Grips						
20421	.....	With Metal Cord Grip	.400- .750	2/10	2248.80	1967.70
21421	.....	W/Comb. Metal & Rubber	.390- .562	2/10	2248.80	1967.70
21432	.....	W/Comb. Metal & Rubber	.500- .750	2/10	2283.60	1998.15
21422	.....	W/Comb. Metal & Rubber	.687-1.000	2/10	2283.60	1998.15
Connector Bodies With Cord Grips						
20414	20414	With Metal Cord Grip	.400- .750	2/10	980.00	857.50
21414	21414	W/Comb. Metal & Rubber	.390- .562	2/10	978.00	855.75
21427	21427	W/Comb. Metal & Rubber	.500- .750	2/10	978.00	855.75
21418	21442	W/Comb. Metal & Rubber	.687-1.000	2/10	1008.40	882.35
Connector Bodies With Pipe Threads						
21433	21433	With ½" Female		2/10	1008.40	882.35
21434	21434	With ¾" Female		2/10	1036.80	907.20

*Grounded devices; for Not Grounded units, add suffix "NG" to catalog number.





No. 3769 No. 3768 No. 3764 No. 3765 No. 9430 No. 9431 No. 3524 No. 3525 No. 3520 No. 3521

"TWIST-LOCK" 4-WIRE OUTLET, CAP AND CONNECTOR BODY
50 Amp., 250 Volts D.C.; 50 Amp., 600 Volts A.C.
With Equipment Ground

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
3769	3769	Outlet, Fits FS & FD Boxes		2/5	$845.20	$739.55
3765	3765	Cap With Cord Grip	.437-1.140	2/5	841.20	736.05
3764	3764	Connector Body With Cord Grip	.437-1.140	2/5	1041.60	911.40

OUTLET PLATES

7382	7382	Cast Aluminum With Cord Grip		2/5	393.20	344.05
7383	7383	Cast Aluminum Without Cord Grip		2/5	313.20	274.05

"TWIST-LOCK" 4-WIRE FLANGED INLETS
50 Amp., 250 Volts D.C.; 50 Amp., 600 Volts A.C.
With Equipment Ground

Cat. No. Hubbell	A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
3775	3775	Inlet Without Lift Cover	1/5	$831.20	$727.30
3768	3768	Inlet With Lift Cover	2/5	1002.00	876.75

STRAIGHT BLADE GROUNDING 4-WIRE OUTLETS AND CAPS
30, 50, and 60 Amp., 125/250 Volts

Cat. No. Hubbell	A-H	Description	Amps.	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Outlets					
9430	5744	Black Porcelain	30		2/5	$661.20	$578.55
9450	5754	Black Porcelain	50		2/5	782.00	684.25
9460	9460	Black Porcelain	60		2/5	901.60	788.90
		Caps					
9431	5746	Armored With Cord Grip	30	.750-1.250	2/5	518.00	453.25
9432	5732	With Angle Cord Grip	30	.750-1.250	2/5	587.20	513.80
9451	5745	Armored With Cord Grip	50	.750-1.250	2/5	638.40	558.60
9452	5752	With Angle Cord Grip	50	.750-1.250	2/5	706.80	618.45
9461	9461	Armored With Cord Grip	60	.750-1.250	2/5	767.20	671.30
9462	9462	With Angle Cord Grip	60	.750-1.250	2/5	835.60	731.14

"TWIST-LOCK" 5-WIRE OUTLET, CAP AND CONNECTOR BODY
20 Amp., 250 Volts A.C. or D.C.; 10 Amp., 600 Volts A.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
3520	3520	Outlet, Black Phenolic		10/20	$449.60	$393.40
3521	3521	Cap, Super Series Armored With Cord Grip	.437-.750	10/20	403.60	353.15
3523	3523	Connector Body, Super Series Armored With Cord Grip	.437-.750	10/20	733.60	641.90

OUTLET PLATES

94111	8346	.040" Brass, Single Gang		10/80	92.00	80.50
7421	7421	.060" Brass, Single Gang		10/20	152.80	133.70
7422	.....	.060" Brass, 3-Gang for Two 3520		5/10	433.60	379.40
91111	91111	Brown Phenolic, Single Gang		10/30	51.60	45.15
92111	92111	Ivorine Phenolic, Single Gang		10/30	59.60	52.15
97111	7421-C	Stainless Steel, Single Gang		10/100	57.20	50.05
7320	.....	Cast Aluminum Without Lift Cover		2/10	352.80	308.70

"TWIST-LOCK" 5-WIRE FLANGED INLET AND FLANGED OUTLET
20 Amp., 250 Volts A.C. or D.C.; 10 Amp., 600 Volts A.C.

Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
3524	3524	Inlet With Cord Grip	.437-.750	10/30	$542.80	$474.95
3525	3525	Outlet With Cord Grip	.437-.750	10/25	992.00	868.00




No. 45805 No. 45815

VARILOAD "TWIST-LOCK" 5-WIRE OUTLETS, CAPS AND CONNECTOR BODIES
30 Amp., 250 Volts A.C. or D.C.; 30 Amp., 600 Volts A.C.

HUBBELL CATALOG NUMBERS AND CONFIGURATIONS								Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
"Twist-Lock" Variload Outlets										
45105	45205	45305	45405	45505	45605	45705	45805	2/10	$714.80	625.45
Super "Twist-Lock" Variload Caps — Cord Grip Range: .625-1.000										
45115	45215	45315	45415	45515	45615	45715	45815	2/10	571.20	499.80
Super "Twist-Lock" Variload Connector Bodies — Cord Grip Range: .625-1.000										
45135	45235	45335	45435	45535	45635	45735	45835	10/20	984.40	861.35
Super "Twist-Lock" Variload Flanged Inlets — Cord Grip Range: .625-1.000										
45185	45285	45385	45485	45585	45685	45785	45885	10/30	710.40	621.60
Super "Twist-Lock" Variload Flanged Outlets — Cord Grip Range: .625-1.000										
45195	45295	45395	45495	45595	45695	45795	45895	10/30	1158.80	1013.95
Super "Twist-Lock" Variload Inlets With Cast Aluminum Weatherproof Lift Cover Plate — Cord Grip Range: .625-1.000										
45100	45200	45300	45400	45500	45600	45700	45800	10/20	1177.60	1030.40

OUTLET PLATES

Cat. No. Hubbell	Description	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
3391	.040" Brass, Single Gang	2/10	$155.60	$136.15
3392	Stainless Steel, Single Gang	2/10	87.60	76.65
3393	Cast Aluminum With Lift Cover, Fits FS and FD Boxes	2/10	438.00	383.25
3394	Cast Aluminum Without Lift Cover Fits FS and FD Boxes	2/10	352.80	308.70
3395	Pressed Steel 4" Square for Universal Box 52151	2/10	72.40	63.35



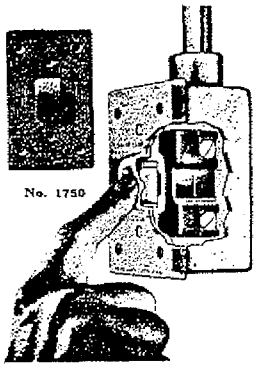


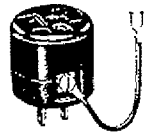
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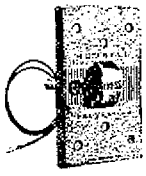
"HUBBELLOCK" 5-WIRE OUTLETS, INLETS, CAP AND CONNECTOR BODY
30 Amp., 600 Volts A.C.; 20 Amp., 250 Volts D.C.

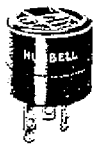
Cat. No. Hubbell	A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Std. Pkg.
		Outlets				
25403	25403	With Metal Housing, Fits FS & FD Boxes		2/10	$1704.80	$1491.70
25406	25406	Flanged W/Cord Grip	.625-1.000	2/10	1674.00	1464.75
25250	25250	Spec. Purpose W/Alum. Housing & Weatherproof Lift Cover		2/10	2012.00	1760.50
		Inlets				
25416	25416	Flanged W/Cord Grip	.625-1.000	2/10	1484.80	1299.20
25418	25418	Spec. Purpose With Metal Housing		2/10	1577.60	1380.40
		Cap				
25415	25415	Armored With Cord Grip	.625-1.000	2/10	1136.40	994.35
		Connector Body				
25414	25414	Armored With Cord Grip	.625-1.000	2/10	1326.00	1160.25

HUBBELL — ARROW-HART WIRING DEVICES


No. 1750


No. 5273-L


No. 1785


No. 5289


No. 5291

WEATHERPROOF "PRESSWITCH" PLATES AND SWITCH-PLATE COMBINATIONS
15 and 20 Amp., 120/277 Volts A.C. Only

Cat.No. Hubbell	Cat.No. A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		"Presswitch" Plates			
1750	2881-G	Gray Hypalon Presswitch Plate	2/10	$284.00	$248.50
1785	2882-G	Plate W/125 Volt Red Pilot Light	2/10	435.60	381.15
1786	2885-G	Plate W/250 Volt Red Pilot Light	2/10	451.20	394.80
		15 Amp. "Presswitch" Switch and Plate Combinations			
1751	2891	1750 Plate W/Sgl. Pole Switch	2/10	436.80	382.20
1752	2892	1750 Plate W/Dbl. Pole Switch	2/10	540.00	472.50
1753	2893	1750 Plate W/3-Way Switch	2/10	508.40	444.85
1754	2894	1750 Plate W/4-Way Switch	2/10	856.40	749.35
		20 Amp. "Presswitch" Switch and Plate Combinations			
1781	2991	1750 Plate W/Sgl. Pole Switch	2/10	527.60	461.65
1782	2992	1750 Plate W/Dbl. Pole Switch	2/10	575.60	503.65
1783	2993	1750 Plate W/3-Way Switch	2/10	564.80	494.20
1784	2994	1750 Plate W/4-Way Switch	2/10	907.60	794.15

PLUG-IN ADAPTERS

Cat. No. Hubbell	Cat. No. A-H	Description	Per 100 Ctn.	Per 100 Std. Pkg.
5273	.....	Male 2- Wire Parallel, Female 3-Wire 15A 125V Grounding Straight Slot, Black Composition, No Lead	$105.60	$92.40
5273-L	5273-L	Same as 5273 With 3½" Lead	114.40	100.10
6273-L	.....	Male 2-Wire Parallel Polarized, Female 3-Wire 15A 125V Grounding Slot, 3½" Lead, Black Composition	114.40	100.10
4273-L	.....	Male 2-Wire Parallel, Female 3-Wire 15A 125V Grounding Straight Slot, 3½" Lead, Brown Phenolic	45.60	39.90
5289	5295	Male 3-Wire Crowfoot, Female 3-Wire 15A 125V Grounding Straight Blade	304.40	266.35
7644	7646	Male 2-Wire Parallel, Female 3-Wire 10A "Twist-Lock" Slots, Phenolic and Composition, 3½" Lead	369.20	323.05
5285	5298	Male 3-Wire 15A 125V Straight Blade Grounding, Female 3-Wire 10A Straight Polarized Slots	251.60	220.15
5291	.....	Duplex, Male 2-Wire Parallel, Female 3-Wire 15A 125V Grounding Straight Slots, Brown Phenolic	248.00	217.00
5291-I	.....	Same as 5291, Ivorine Phenolic	265.60	232.40
9052	.....	Male 2-Wire Parallel, Female 3-Wire 10A Straight Polarized Slots, Black Composition, No Lead	115.60	101.15
9052-L	.....	Same as 9052 With 3½" Lead	126.00	110.25
7052	.....	Male 2-Wire Tandem, Female 3-Wire 10A Straight Polarized Slots, Black Composition, No Lead	114.40	100.10
7052-L	.....	Same as 7052 With 3½" Lead	122.40	107.10



CIR-CHEK® OPEN CIRCUIT DETECTOR

Cat. No. Hubbell	Description	Ctn./Pkg.		Each / Per 100
SP-100	Cir-Chek Open Circuit Detector	1/10	$20.58	$18.01
SP-109	Cir-Chek Name Plate	1/10	70.80	61.95

EXPLOSION-PROOF "HUBBELLOCK" DEVICES
Designed for Hospital Operating Rooms and All Other Class I, Groups C and D Atmospheres
3-Wire, 20 Amp., 125 Volts A.C. Only



STANDARD UNIT

Cat. No. Hubbell	Description	Per 100
	Standard Units	
24309	Complete Receptacle Assembled, Sealed and Ready for Installation, Plus Shallow Conduiet and a 0" to ⅝" Adjusting Ring With Plaster Shield, UL Listed	$11254.0
24303	Same as 24309 Less Conduiet	10289.5
24310	Complete Receptacle Assembled, Sealed and Ready for Installation, Plus Deep Conduiet and a 0" to 1¼" Adjusting Ring With Plaster Shield, UL Listed	11704.5
24304	Same as 24310 Less Conduiet	10482.5
24305	Conduiet (box only) Shallow. Same as Crouse-Hinds No. CPS-301, With Plaster Shield and 3 Pipe Plugs	982.5
24306	Conduiet (box only) Deep. Same as Crouse-Hinds No. CPS-303, With Plaster Shield and 3 Pipe Plugs	1210.5
24311	Complete Receptacle Assembled, Sealed and Ready for Installation, Plus Special Plate. Fits Single or 2-Gang Standard or Shallow Switchboxes	10547.0

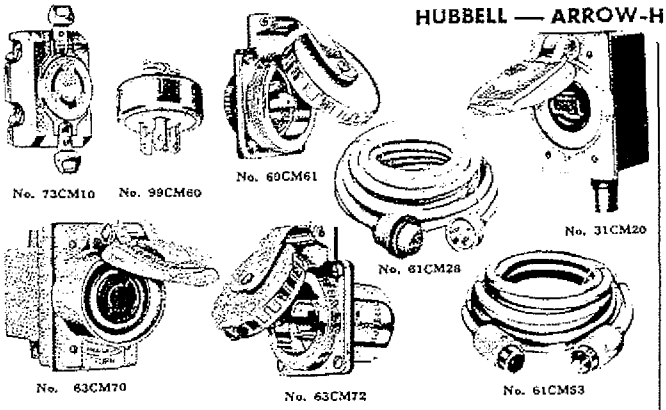
LOW-PROFILE UNIT

Cat. No. Hubbell	Description	Each
	Low Profile Units	
24353	Complete Receptacle With Threaded Adjusting Ring and Unilet	$113.1
24352	Same as 24353 Less Unilet and Ring	95.1
24351	Unilet and Adjusting Ring With Plaster Shield and 4 Pipe Plugs	18.01
24354	Adjusting Ring for Adapting 24352 to Existing Unilets	6.61
	Portable 3-Outlet Cluster	
24720	Polished Aluminum, Explosion-Proof	366.5
24721	Plain Aluminum, Explosion-Proof	288.1
	Epoxy Sealed "Hubbellock" Cap	Per 100
24312	For Use With All Explosion-Proof Units	$2572.5

Note: Carton and Standard Packag 1 on above.

CORROSION RESISTANT 3-WIRE GROUNDING DEVICES
15 and 20 Amp., 125 Volts A.C. or D.C.
For Industrial and Marine Application Where Corrosion is a Problem

Cat. No. Hubbell	Cat. No. A-H	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
		15 Amp. Outlet				
52CM62	5262CR	Duplex, Melamine		10/50	$399.60	$349.65
		15 Amp. Caps				
52CM08	5208CR	Insulprene W/Cord Grip	.296-.625	10/50	192.00	168.00
52CM80	.....	Anchor Lock Type	.296-.625	10/50	216.40	189.35
		15 Amp. Connector Body				
52CM07	5207CR	Insulprene W/Cord Grip	.296-.625	10/50	289.60	253.40
		20 Amp. Outlets				
53CM62	5739CR	Duplex, Melamine		10/50	533.20	466.55
53CM61	5361CR	Single, Melamine		10/50	375.20	328.30
		20 Amp. Caps				
53CM64	.....	Armored With Cord Grip	.296-.625	10/50	284.40	248.85
53CM65	.....	Armored, Anchor Lock	.296-.625	10/50	396.00	346.5
53CM75	5726CR	Insulprene W/Cord Grip	.296-.625	10/50	308.40	269.8
		20 Amp. Connector Body				
53CM74	5374CR	Armored With Cord Grip	.296-.625	10/50	457.20	400.05



CORROSION RESISTANT 2-, 3-, & 4-WIRE 20 AMPERE "TWIST-LOCK" DEVICES
For Industrial and Marine Applications Where Corrosion Is a Problem

Cat. No. Hubbell	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	2-Wire, 20 Amp., 250 Volts A.C. or D.C.				
72CM10	Outlet, Porcelain		10/50	$201.60	$176.40
97CM71	Cap, Insulprene W/Cord Grip	.296-.625	10/30	260.00	227.50
97CM68	Connector Body, Insulprene W/Cord Grip	.296-.625	10/30	466.80	408.45
88CM18	Flanged Inlet		10/30	217.60	190.40
48CM95	Closure Plug for 88CM18		10/50	104.40	91.35
77CM44	Seal-Tite Cover for 97CM71		10/30	130.40	114.10
77CM46	Seal-Tite Cover for 97CM68		10/30	130.40	114.10
	3-Wire, 20 Amp., 125/250 Volts A.C. or D.C				
73CM10	Outlet, Porcelain		10/30	447.60	391.65
99CM60	Cap, Insulprene W/Cord Grip	.437-.750	10/30	377.60	330.40
99CM66	Connector Body, Insulprene W/Cord Grip	.437-.750	10/30	548.40	479.85
76CM01	Flanged Inlet on Fiberglas W/Proof Lift Cover Plate		10/20	946.80	828.45
60CM21	Seal-Tite Cover for 99CM60		10/30	154.00	134.75
60CM20	Seal-Tite Cover for 99CM66		10/30	161.20	141.05
75CM31	Seal-Tite Cover for 99CM66 When Used With 76CM01		10/30	161.20	141.05
	4-Wire, 20 Amp., 250 Volts A.C. or D.C. 10 Amp., 600 Volts A.C. Only				
74CM10	Outlet, Porcelain		10/20	578.80	506.45
99CM62	Cap, Insulprene W/Cord Grip	.437-.750	10/20	517.20	452.55
99CM68	Connector Body, Insulprene W/Cord Grip	.437-.750	10/20	702.00	614.25
74CM50	Flanged Inlet on Fiberglas W/Proof Lift Cover Plate		5/20	867.60	759.15
75CM41	Seal-Tite Cover for 99CM62		10/30	188.80	165.20
75CM09	Seal-Tite Cover for 99CM68		5/30	188.80	165.20

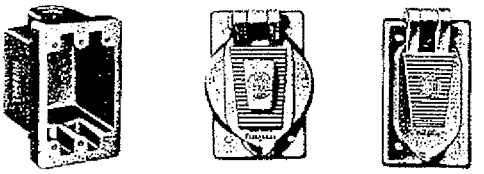
CORROSION RESISTANT 3-WIRE 30 AMPERE "TWIST-LOCK" DEVICES
30 Amp., 125 Volts A.C. or D.C.
For Industrial and Marine Applications Where Corrosion Is a Problem

Cat. No. Hubbell	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
31CM20	Outlet, Single		10/30	$496.00	$434.00
31CM21	Cap, Armored W/Cord Grip	.625-1.000	10/30	419.20	366.80
31CM23	Connector Body W/Cord Grip	.625-1.000	10/30	753.60	659.40
60CM61	Power Inlet		2/10	1732.40	1515.85
60CM75	Adapter for Mounting Power Inlets to FS Boxes		10/50	370.00	323.75
61CM28	50' Pre-wired Cord Set		1/1	71.46 Ea.	
61CM28K	Same as 61CM28 With Kellems Strain Relief Grip		1/1	76.82 Ea.	

CORROSION RESISTANT 3- and 4-WIRE 50 AMPERE "TWIST-LOCK" DEVICES
For Industrial and Marine Applications Where Corrosion Is a Problem

Cat. No. Hubbell	Description	Cord Dia., Inches	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	2 Pole 3-Wire Grounded, 50 Amp., 125 Volts A.C. or D.C.				
63CM70	Outlet, Single		1/10	$1588.80	$1390.20
61CM53	50' Pre-wired Cord Set		1/1	203.65 Ea.	
61CM53K	Same as 61CM53 With Kellems Strain Relief Grip		1/1	209.01 Ea.	
63CM72	Power Inlet		1/5	2955.60	2586.15
63CM61	Cap With Cord Grip	.437-1.140	1/10	1770.80	1549.45
63CM60	Connector Body W/Cord Grip	.437-1.140	1/10	2030.00	1776.25
	3 Pole 4-Wire (With Equipment Grounded), 50 Amp., 125/250 Volts A.C. or D.C.				
63CM69	Outlet, Single		1/10	$1619.20	$1416.80
61CM52	50' Pre-wired Cord Set		1/1	207.82 Ea.	
61CM52K	Same as 61CM52 With Kellems Strain Relief Grip		1/1	213.77 Ea.	
63CM74	Power Inlet		1/5	2992.40	2618.35
63CM65	Cap With Cord Grip	.437-1.140	1/10	1815.60	1588.65
63CM64	Connector Body W/Cord Grip	.437-1.140	1/10	2054.40	1797.60

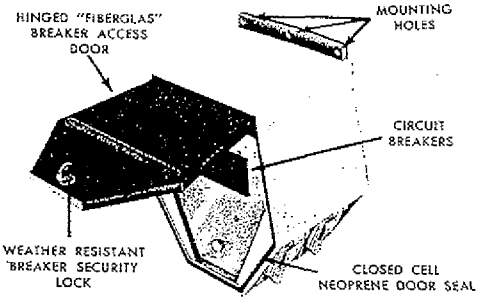
Note: Seal-Tite covers available for caps and connector bodies above.

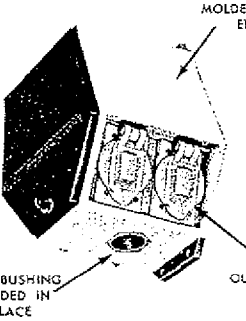


CORROSION RESISTANT BOXES AND PLATES

Cat. No. Hubbell	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	FD Boxes			
6083	Gray Fiberglas, ¾" Knockouts	1/10	$406.80	$355.95
60CM83	Yellow Fiberglas, ¾" Knockouts	1/10	406.80	355.95
6084	Gray Fiberglas, 1" Knockouts	1/10	406.80	355.95
60CM84	Yellow Fiberglas, 1" Knockouts	1/10	406.80	355.95
	FS Box			
6080	Non-Metallic, Black, ¾" Knockouts	1/10	265.20	232.05
	Junction Box and Cover			
6081	Non-Metallic, Black, ¾" Knockouts	1/10	324.00	283.50
6082	Cover, Non-Metallic, Black	1/10	124.80	109.20
	Weatherproof Lift Cover Plates			
5221	For Duplex Outlets, Gray Fiberglas, Fits FS Boxes	2/10	496.00	434.00
52CM21	Same as 5221 but Yellow Fiberglas	2/10	496.00	434.00
5222	For Duplex Outlets, Gray Fiberglas, Fits Standard Boxes	2/10	496.00	434.00
52CM22	Same as 5222 but Yellow Fiberglas	2/10	496.00	434.00
7424	For 30 Amp. Outlets, Gray Fiberglas	10/20	537.20	470.05
74CM24	Same as 7424 but Yellow Fiberglas	2/10	537.20	470.05
7425	For Most Single Outlets, Gray Fiberglas	2/10	496.00	434.00
74CM25	Same as 7425 but Yellow Fiberglas	2/10	496.00	434.00
	Super Stainless Steel 302 Plate			
93101	Single Gang for Duplex Outlets	10/100	74.80	65.45

POWER CENTERS
Completely Pre-Wired — Corrosion Resistant





Cat. No. Hubbell	Main Breaker Type	Main Breaker Rating
AACC207Z	Double Pole	70A
AACC500Z	None	.....
CCCC110Z	Single Pole	100A
CCCC500Z	None	.....
CCHH110Z	Single Pole	100A
CCHH500Z	None	.....

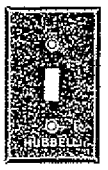
Cat. No. Hubbell	Components Outlets	Each
AACC207Z	(2)63CM70-50 Amp. & (2)31CM20-30 Amp.	POA
AACC500Z	(2)63CM70-50 Amp. & (2)31CM20-30 Amp.	POA
CCCC110Z	(4)31CM20-30 Amp.	POA
CCCC500Z	(4)31CM20-30 Amp.	POA
CCHH110Z	(2)31CM20-30 Amp. & (2)53CM61-20 Amp.	POA
CCHH500Z	(2)31CM20-30 Amp. & (2)53CM61-20 Amp.	POA

HUBBELL — ARROW-HART WIRING DEVICES

TOGGLE SWITCH PLATES

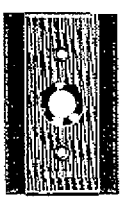

No. 91071


No. 94071


No. 98071

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1-Gang			
91071	Uniline Br. Phenolic ..	10/100	$13.20	$11.55
92071	Uniline Iv. Phenolic ..	10/50	18.40	16.10
91071 -GRY	Uniline Gr. Phenolic ..	10/100	18.40	16.10
94071	.040" Brush Brass	10/100	76.40	66.85
96071	.060" Brush Brass	10/100	104.40	91.35
93071	Super S/Steel 302	10/100	74.80	65.45
97071	S/Steel 430	10/100	45.60	39.90
95071	Anodized Alum.	10/100	90.40	79.10
98071	Br. Wrinkle Metal	10/100	20.40	17.85
99071	Iv. Wrinkle Metal	10/100	21.60	18.90
	2-Gang			
91072	Uniline Br. Phenolic ..	5/50	26.80	23.45
92072	Uniline Iv. Phenolic ..	5/25	34.40	30.10
91072 -GRY	Uniline Gr. Phenolic ..	5/50	35.20	30.80
94072	.040" Brush Brass	5/50	150.80	131.95
96072	.060" Brush Brass	5/50	208.80	182.70
93072	Super S/Steel 302	5/50	144.00	126.00
97072	S/Steel 430	5/50	111.20	97.30
95072	Anodized Alum.	5/50	179.60	157.15
98072	Br. Wrinkle Metal	5/50	40.00	35.00
99072	Iv. Wrinkle Metal	5/50	41.60	36.40
	3-Gang			
91073	Uniline Br. Phenolic ..	3/30	57.20	50.05
92073	Uniline Iv. Phenolic ..	3/15	87.60	76.65
91073 -GRY	Uniline Gr. Phenolic ..	3/15	87.20	76.30
94073	.040" Brush Brass	3/30	226.80	198.45
96073	.060" Brush Brass	3/30	313.20	274.05
93073	Super S/Steel 302	3/30	204.40	178.85
97073	S/Steel 430	3/30	168.80	147.70
95073	Anodized Alum.	3/30	270.80	236.95
98073	Br. Wrinkle Metal	3/30	70.40	61.60
99073	Iv. Wrinkle Metal	3/30	75.20	65.80
	4-Gang			
91074	Uniline Br. Phenolic ..	3/25	100.80	88.20
92074	Uniline Iv. Phenolic ..	3/15	127.60	111.65
91074 -GRY	Uniline Gr. Phenolic ..	3/15	127.60	111.65
94074	.040" Brush Brass	3/25	302.40	264.60
96074	.060" Brush Brass	3/25	400.00	350.00
93074	Super S/Steel 302	3/25	255.20	223.30
97074	S/Steel 430	3/25	218.00	190.75
95074	Anodized Alum.	3/25	362.80	317.45
98074	Br. Wrinkle Metal	3/25	96.00	84.00
99074	Iv. Wrinkle Metal	3/25	108.40	94.85
	5-Gang			
91075	Uniline Br. Phenolic ..	2/20	228.80	200.20
92075	Uniline Iv. Phenolic ..	2/10	274.80	240.45
91075 -GRY	Uniline Gr. Phenolic ..	2/20	274.80	240.45
94075	.040" Brush Brass	2/20	378.80	331.45
96075	.060" Brush Brass	2/20	485.20	424.55
93075	Super S/Steel 302	2/20	350.00	306.25
97075	S/Steel 430	2/20	298.80	261.45
95075	Anodized Alum.	2/20	453.20	396.55
98075	Br. Wrinkle Metal	2/30	108.40	94.85
99075	Iv. Wrinkle Metal	2/20	152.40	133.35

TELEPHONE PLATES

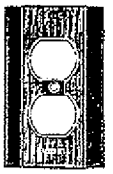

No. 91181


No. 94181

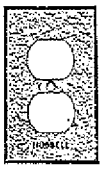

No. 98181

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1-Gang			
91181	Uniline Br. Phenolic ..	10/50	$34.40	$30.10
92181	Uniline Iv. Phenolic ..	10/30	40.80	35.70
91181 -GRY	Uniline Gr. Phenolic..	10/30	40.80	35.70
94181	.040" Brush Brass	10/50	104.40	91.35
96181	.060" Brush Brass	10/50	134.40	117.60
93181	Super S/Steel 302	10/50	91.20	79.80
97181	S/Steel 430	10/50	60.80	53.20
95181	Anodized Alum.	10/50	119.60	104.65
98181	Br. Wrinkle Metal	10/50	28.40	24.85
99181	Iv. Wrinkle Metal	10/50	35.60	31.15
	2-Gang			
94182	.040" Brush Brass	5/25	218.80	191.45
	3-Gang			
94183	.040" Brush Brass	3/15	325.20	284.55

DUPLEX OUTLET PLATES

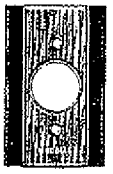

No. 91101


No. 94101


No. 99101

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1-Gang			
91101	Uniline Br. Phenolic ..	10/100	$13.20	$11.55
92101	Uniline Iv. Phenolic ..	10/50	18.40	16.10
91101 -GRY	Uniline Gr. Phenolic ..	10/100	18.40	16.10
94101	.040" Brush Brass	10/100	76.40	66.85
96101	.060" Brush Brass	10/100	104.40	91.35
93101	Super S/Steel 302	10/100	74.80	65.45
97101	S/Steel 430	10/100	45.60	39.90
95101	Anodized Alum.	10/100	90.40	79.10
98101	Br. Wrinkle Metal	10/100	20.40	17.85
99101	Iv. Wrinkle Metal	10/100	21.60	18.90
	2-Gang			
91102	Uniline Br. Phenolic ..	5/50	78.80	68.95
92102	Uniline Iv. Phenolic ..	5/25	92.40	80.85
91102 -GRY	Uniline Gr. Phenolic ..	5/25	92.40	80.85
94102	.040" Brush Brass	5/50	214.00	187.25
96102	.060" Brush Brass	5/50	278.00	243.25
93102	Super S/Steel 302	5/50	144.00	126.00
97102	S/Steel 430	5/50	111.20	97.30
95102	Anodized Alum.	10/50	245.60	214.90
98102	Br. Wrinkle Metal	5/50	38.00	33.25
99102	Iv. Wrinkle Metal	5/50	43.20	37.80
	3-Gang			
94103	.040" Brush Brass	3/30	337.20	295.05
96103	.060" Brush Brass	3/30	423.60	370.65

SINGLE OUTLET PLATES

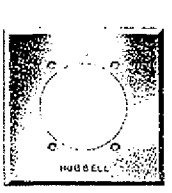

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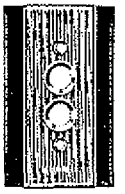

No. 94091

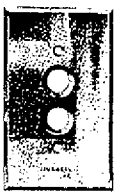

No. 98091

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1-Gang			
91091	Uniline Br. Phenolic ..	10/100	$25.20	$22.05
92091	Uniline Iv. Phenolic ..	10/50	32.00	28.00
91091 -GRY	Uniline Gr. Phenolic ..	10/50	32.80	28.70
94091	.040" Brush Brass	10/100	76.40	66.85
96091	.060" Brush Brass	10/100	104.40	91.35
93091	Super S/Steel 302	10/100	74.80	65.45
97091	S/Steel 430	10/100	45.60	39.90
95091	Anodized Alum.	10/100	90.40	79.10
98091	Br. Wrinkle Metal	10/100	25.20	22.05
99091	Iv. Wrinkle Metal	10/100	35.60	31.15
	2-Gang			
94092	.040" Brush Brass	5/50	214.00	187.25
96092	.060" Brush Brass	5/50	278.00	243.25
	3-Gang			
94093	.040" Brush Brass	3/30	343.20	300.30
96093	.060" Brush Brass	3/30	423.60	370.65

SINGLE OUTLET PLATES WITH NON-STANDARD BOSS SIZES


No. 7114


No. 91081


No. 94081

Cat. No. Hubbell & A-H	Gang	Description	Per 100 Ctn.	Per 100 Std. Pkg.
		Boss Dia. 1.562 to 1.572		
91111	1	Uniline Br. Phenolic	$51.60	$45.15
92111	1	Uniline Iv. Phenolic	59.60	52.15
7421	1	.060" Brush Brass ..	152.80	133.70
93111	1	Super S/Steel 302 ..	90.40	79.10
97111	1	S/Steel 430	57.20	50.05
		Boss Dia. 1.593		
91111	1	Uniline Br. Phenolic	51.60	45.15
92111	1	Uniline Iv. Phenolic	59.60	52.15
94111	1	.040" Brush Brass ..	91.20	79.80
93111	1	Super S/Steel 302 ..	90.40	79.10
97111	1	S/Steel 430	57.20	50.05
		Boss Dia. 1.718		
3391	1	.040" Brush Brass ..	155.60	136.15
3392	1	S/Steel 430	87.60	76.65
		Boss Dia. 2.093		
7881	1	Uniline Br. Phenolic	53.20	46.55
7881-I	1	Uniline Iv. Phenolic	61.20	53.55
9363	1	Super S/Steel 302 ..	102.80	89.95
9353	1	S/Steel 430	84.00	73.50
7882*	2	Uniline Br. Phenolic	78.80	68.95
7882-I*	2	Uniline Iv. Phenolic	92.80	81.20
9364*	2	Super S/Steel 302 ..	206.80	180.95
9366*†	2	Super S/Steel 302 ..	248.80	217.70
9354*	2	S/Steel 430	201.60	176.40
9356*†	2	S/Steel 430	244.00	213.50
		Boss Dia. 2.125		
7897*	2	Uniline Br. Phenolic	142.80	124.95
7897-I*	2	Uniline Iv. Phenolic	156.40	136.85
7987*	2	.040" Brush Brass ..	222.80	194.95
7975*†	2	.040" Brush Brass ..	274.40	240.10
7976*	2	S/Steel 430	244.00	213.50
		Boss Dia. 2.437		
7114*	2	.060" Brush Brass ..	251.20	219.80
7118*	2	S/Steel 430	142.80	124.95

*Indicates plate is 2-gang size but accommodates 1 outlet.
†Used with grounded type outlets.

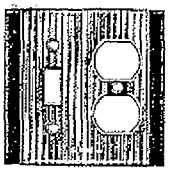
PUSHBUTTON SWITCH PLATES

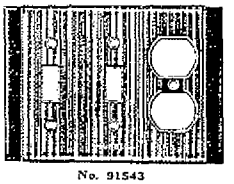
Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1-Gang			
91081	Uniline Br. Phenolic ..	10/100	25.20	22.05
92081	Uniline Iv. Phenolic ..	10/60	32.00	28.00
91081 -GRY	Uniline Gr. Phenolic..	10/60	32.80	28.70
94081	.040" Brush Brass	10/100	78.40	68.60
96081	.060" Brush Brass	10/100	110.00	96.25
	2-Gang			
94082	.040" Brush Brass	5/50	154.80	135.45
96082	.060" Brush Brass	5/50	219.60	192.16
	3-Gang			
94083	.040" Brush Brass	3/30	233.20	204.05
96083	.060" Brush Brass	3/30	331.60	290.15

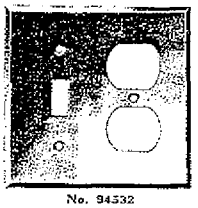
BLANK PLATES

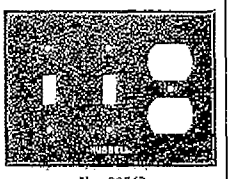
Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1-Gang			
91121	Uniline Br. Phenolic ..	10/50	33.20	29.05
92121	Uniline Iv. Phenolic ..	10/50	40.00	35.00
91121 -GRY	Uniline Gr. Phenolic ..	10/30	40.80	35.70
94121	.040" Brush Brass	10/50	98.00	85.75
96121	.060" Brush Brass	10/50	126.00	110.25
93121	Super S/Steel 302	10/50	90.00	78.75
97121	S/Steel 430	10/50	59.60	52.15
95121	Anodized Alum.	10/30	111.60	97.65
98121	Br. Wrinkle Metal	10/50	33.60	29.40
99121	Iv. Wrinkle Metal	10/50	38.00	33.25
	2-Gang			
91122	Uniline Br. Phenolic ..	5/25	100.40	87.85
92122	Uniline Iv. Phenolic ..	5/25	117.20	102.55
91122 -GRY	Uniline Gr. Phenolic ..	5/15	117.20	102.55
94122	.040" Brush Brass	5/25	199.20	174.30
96122	.060" Brush Brass	5/25	255.20	223.30
93122	Super S/Steel 302	5/25	160.00	140.00
97122	S/Steel 430	5/25	127.20	111.30
95122	Anodized Alum.	5/10	226.80	198.45

COMBINATION TOGGLE SWITCH AND DUPLEX OUTLET PLATES


No. 91532

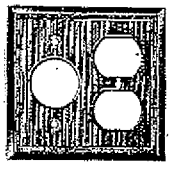

No. 91543

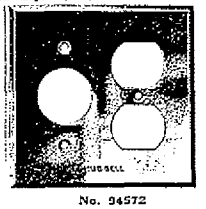

No. 94532


No. 98543

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	2-Gang			
91532	Uniline Br. Phenolic	2/10	$49.20	$43.05
92532	Uniline Iv. Phenolic	2/10	65.60	57.40
91532 -GRY	Uniline Gr. Phenolic	2/10	65.60	57.40
94532	.040" Brush Brass	2/10	198.40	173.60
96532	.060" Brush Brass	2/10	256.80	224.70
93532	Super S/Steel 302	2/10	147.20	128.80
97532	S/Steel 430	2/10	114.40	100.10
95532	Anodized Alum.	2/10	227.60	199.15
98532	Br. Wrinkle Metal	2/10	48.40	42.35
99532	Iv. Wrinkle Metal	2/10	62.00	54.25
	3-Gang			
91543	Uniline Br. Phenolic	2/10	100.80	88.20
92543	Uniline Iv. Phenolic	2/10	127.60	111.65
91543 -GRY	Uniline Gr. Phenolic	2/10	127.60	111.65
94543	.040" Brush Brass	2/10	294.80	257.95
96543	.060" Brush Brass	2/10	385.60	337.40
93543	Super S/Steel 302	2/10	210.00	183.75
97543	S/Steel 430	2/10	174.40	152.60
95543	Anodized Alum.	2/10	340.80	298.20
98543	Br. Wrinkle Metal	2/10	74.40	65.10
99543	Iv. Wrinkle Metal	2/10	87.20	76.30

COMBINATION SINGLE AND DUPLEX OUTLET PLATES


No. 91572


No. 94572

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	2-Gang			
91572	Uniline Br. Phenolic	2/10	$117.20	$102.55
92572	Uniline Iv. Phenolic	2/10	130.40	114.10
94572	.040" Brush Brass	2/10	204.80	179.20
96572	.060" Brush Brass	2/10	264.00	231.00

COMBINATION TOGGLE SWITCH AND SINGLE OUTLET PLATES

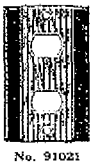
Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	2-Gang			
94512	.040" Brush Brass	2/10	198.40	$173.60
96512	.060" Brush Brass	2/10	256.80	224.70
93512	Super S/Steel 302	2/10	147.20	128.80
97512	S/Steel 430	2/10	114.40	100.10
95512	Anodized Alum.	2/10	227.60	199.15
98512	Br. Wrinkle Metal	2/10	48.40	42.35
99512	Iv. Wrinkle Metal	2/10	62.00	54.25

INTERCHANGEABLE DEVICES PLATES — 1-GANG


No. 91011

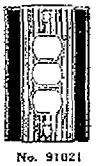

No. 94011


No. 97011


No. 91021


No. 94021


No. 97021


No. 91031


No. 96031


No. 98031


No. 91041


No. 96041

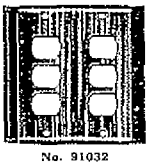

No. 98041

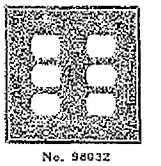
Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1 Horizontal Opening			
91011	Uniline Br. Phenolic	10/100	$25.20	$22.05
92011	Uniline Iv. Phenolic	10/100	32.00	28.00
94011	.040" Brush Brass	10/100	91.20	79.80
97011	S/Steel 430	10/100	54.80	47.95
98011	Br. Wrinkle Metal	10/100	23.60	20.65
99011	Iv. Wrinkle Metal	10/100	28.40	24.85
	2 Horizontal Openings			
91021	Uniline Br. Phenolic	10/50	25.20	22.05
92021	Uniline Iv. Phenolic	10/50	32.00	28.00
94021	.040" Brush Brass	10/50	91.20	79.80
97021	S/Steel 430	10/50	54.80	47.95
98021	Br. Wrinkle Metal	10/50	23.60	20.65
99021	Iv. Wrinkle Metal	10/50	28.40	24.85
	3 Horizontal Openings			
91031	Uniline Br. Phenolic	10/30	25.20	22.05
92031	Uniline Iv. Phenolic	10/30	32.00	28.00
94031	.040" Brush Brass	10/30	91.20	79.80
97031	S/Steel 430	10/30	54.80	47.95
98031	Br. Wrinkle Metal	10/30	23.60	20.65
99031	Iv. Wrinkle Metal	10/30	28.40	24.85
	1 Vertical Opening			
91041	Uniline Br. Phenolic	10/100	25.20	22.05
92041	Uniline Iv. Phenolic	10/100	32.00	28.00
94041	.040" Brush Brass	10/100	91.20	79.80
97041	S/Steel 430	10/100	54.80	47.95
98041	Br. Wrinkle Metal	10/100	23.60	20.65
99041	Iv. Wrinkle Metal	10/100	28.40	24.85

INTERCHANGEABLE DEVICES PLATES — 2-GANG


No. 94022


No. 97022


No. 91032


No. 98032

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1 Horizontal Opening Each Gang			
91012	Uniline Br. Phenolic	10/50	$ 48.40	$42.35
92012	Uniline Iv. Phenolic	10/50	66.00	57.75
94012	.040" Brush Brass	2/10	183.60	160.65
97012	S/Steel 430	2/10	120.00	105.00
98012	Br. Wrinkle Metal	2/10	47.60	41.65
99012	Iv. Wrinkle Metal	2/10	57.20	50.05
	2 Horizontal Openings Each Gang			
91022	Uniline Br. Phenolic	10/30	66.00	57.75
92022	Uniline Iv. Phenolic	10/30	80.80	70.70
94022	.040" Brush Brass	2/10	183.60	160.65
97022	S/Steel 430	2/10	152.40	133.35
98022	Br. Wrinkle Metal	2/10	57.20	50.05
99022	Iv. Wrinkle Metal	2/10	70.40	61.60
	3 Horizontal Openings Each Gang			
91032	Uniline Br. Phenolic	10/20	87.20	76.30
92032	Uniline Iv. Phenolic	10/20	106.80	93.45
94032	.040" Brush Brass	2/10	183.60	160.65
97032	S/Steel 430	2/10	158.40	138.60
98032	Br. Wrinkle Metal	2/10	57.20	50.05
99032	Iv. Wrinkle Metal	2/10	70.40	61.60
	1 Vertical Opening Each Gang			
94042	.040" Brush Brass	2/10	183.60	160.65
97042	S/Steel 430	2/10	120.00	105.00
98042	Br. Wrinkle Metal	2/10	47.60	41.65
99042	Iv. Wrinkle Metal	2/10	57.20	50.05

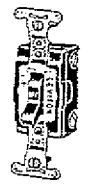
INTERCHANGEABLE DEVICES PLATES — 3-GANG

Cat. No. Hubbell & A-H	Description	Ctn./Pkg.	Per 100 Ctn.	Per 100 Std. Pkg.
	1 Horizontal Opening Each Gang			
94013	.040" Brush Brass	2/10	274.00	239.75
97013	S/Steel 430	2/10	174.40	152.60
98013	Br. Wrinkle Metal	2/10	74.40	65.10
99013	Iv. Wrinkle Metal	2/10	80.80	70.70
	2 Horizontal Openings Each Gang			
91023	Uniline Br. Phenolic	10/20	125.20	109.55
92023	Uniline Iv. Phenolic	10/20	149.20	130.55
94023	.040" Brush Brass	2/10	274.00	239.75
97023	S/Steel 430	2/10	208.80	182.70
98023	Br. Wrinkle Metal	2/10	78.80	68.95
99023	Iv. Wrinkle Metal	2/10	100.40	87.85
	3 Horizontal Openings Each Gang			
94033	.040" Brush Brass	2/10	274.00	239.75
97033	S/Steel 430	2/10	208.80	182.70
98033	Br. Wrinkle Metal	2/10	78.80	68.95
99033	Iv. Wrinkle Metal	2/10	100.40	87.85
	1 Vertical Opening Each Gang			
94043	.040" Brush Brass	2/10	274.00	239.75
97043	S/Steel 430	2/10	174.40	152.60
98043	Br. Wrinkle Metal	2/10	74.40	65.10
99043	Iv. Wrinkle Metal	2/10	80.80	70.70

SPECIFICATION GRADE A.C. QUIET SWITCHES


53501-I
Back and Side Wired, Standard Toggle


54501-I
Side Wired, Framed Toggle


5501
Side Wired, Standard Toggle

Guaranteed 25 Years

Quiet, safe mechanical action. Large silver-cadmium oxide contacts assure positive contact. 80% of switch rating for motor control. Used for industrial and commercial applications and 4-wire, 120/277 volt systems.

Cat. No.	Description	10 Each	100 Each
	Standard Toggle — Back and Side Wired 15A.—120/277V. AC		
53501	Single Pole, Brown	$1.16	$1.02
53501-I	Single Pole, Ivory	1.19	1.04
53501-GY	Single Pole, Gray	1.20	1.05
53502	Double Pole, Brown	1.99	1.74
53502-I	Double Pole, Ivory	2.02	1.77
53502-GY	Double Pole, Gray	2.03	1.78
53503	3-Way, Brown	1.69	1.48
53503-I	3-Way, Ivory	1.72	1.51
53503-GY	3-Way, Gray	1.73	1.51
53504	4-Way, Brown	4.02	3.51
53504-I	4-Way, Ivory	4.05	3.54
53504-GY	4-Way, Gray	4.06	4.55
	20A.—120/277V. AC—Red Cover		
53521	Single Pole, Brown	1.77	1.55
53521-I	Single Pole, Ivory	1.80	1.58
53521-GY	Single Pole, Gray	1.81	1.58
53522	Double Pole, Brown	2.26	1.98
53522-I	Double Pole, Ivory	2.34	2.04
53522-GY	Double Pole, Gray	2.34	2.05
53523	3-Way, Brown	2.08	1.82
53523-I	3-Way, Ivory	2.12	1.86
53523-GY	3-Way, Gray	2.13	1.86
53524	4-Way, Brown	4.42	3.86
53524-I	4-Way, Ivory	4.45	3.89
53524-GY	4-Way, Gray	4.45	3.89
	Framed Toggle—Side Wired 15A.—120/277V. AC		
54501	Single Pole, Brown	.71	.62
54501-I	Single Pole, Ivory	.74	.65
54501-W	Single Pole, White	.75	.66
54502	Double Pole, Brown	1.30	1.13
54502-I	Double Pole, Ivory	1.33	1.16
54502-W	Double Pole, White	1.34	1.17
54503	3-Way, Brown	1.01	.88
54503-I	3-Way, Ivory	1.04	.91
54503-W	3-Way, White	1.05	.92
54504	4-Way, Brown	2.93	2.56
54504-I	4-Way, Ivory	2.96	2.59
54504-W	4-Way, White	2.97	2.60
	20A.—120/277V. AC—Red Cover		
54521	Single Pole, Brown	1.11	.97
54521-I	Single Pole, Ivory	1.14	1.00
54522	Double Pole, Brown	1.78	1.55
54522-I	Double Pole, Ivory	1.81	1.58
54523	3-Way, Brown	1.44	1.26
54523-I	3-Way, Ivory	1.47	1.29
54524	4-Way, Brown	3.74	3.28
54524-I	4-Way, Ivory	3.78	3 30
	Standard Toggle — Side Wired 15A.—120/277V. AC		
5501	Single Pole, Brown	.71	.62
5501-I	Single Pole, Ivory	.74	.65
5502	Double Pole, Brown	1.30	1.13
5502-I	Double Pole, Ivory	1.33	1.16
5503	3-Way, Brown	1.01	.88
5503-I	3-Way, Ivory	1.04	.91
5504	4-Way, Brown	2.93	2.56
5504-I	4-Way, Ivory	2.96	2.59
	20A.—120/277V. AC—Red Cover		
5521	Single Pole, Brown	1.11	.97
5521-I	Single Pole, Ivory	1.14	1.00
5522	Double Pole, Brown	1.78	1.55
5522-I	Double Pole, Ivory	1.81	1.58
5523	3-Way, Brown	1.44	1.26
5523-I	3-Way, Ivory	1.47	1.29
5524	4-Way, Brown	3.74	3.28
5524-I	4-Way, Ivory	3.78	3.30
	Locking Type, Key Furnished—Side Wired 15A.—120/277V. AC		
5511	Single Pole	1.67	1.46
5513	3-Way	1.98	1.74
	15A.—120/277V. AC—Red Cover		
5531	Single Pole	2.06	1.80
5533	3-Way	2.38	2.09

Packed 10 to carton; 20 to package.

LEVITON WIRING DEVICES

STANDARD GRADE QUIET SWITCHES


1451-2


1451

Quick Wire Push-in and Side Wired

15 Amps., 120 Volts A.C. Only

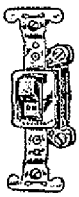
Framed Toggle Switches

Fluorescent and tungsten lamp loads to full rating of switch. To 80% rating for motors.

Cat. No.	Description	10 Each	100 Each
	With Screw and Push-In Terminals		
1451	Single Pole, Brown	$.47	$.41
1451-I	Single Pole, Ivory	.50	.44
1451-2	1451 w/Grd. Screw, Br	.51	.44
1451-2-I	Above in Ivory	.54	.47
1453	3-Way, Brown	.75	.66
1453-I	3-Way, Ivory	.78	.69
1453-2	1453 w/Grd. Screw, Br.	.78	.69
1453-2-I	Above in Ivory	.82	.71

FLUSH TUMBLER SWITCHES

AC/DC


5001


1330


1230

Cat. No.	Description	10 Each	100 Each
	Specification Grade—T-Rated 10A.—125V. T; 5A.—250V.		
5001	Single Pole, Brown	$.42	$.36
5001-I	Single Pole, Ivory	.45	.39
5003	3-Way, Brown	.66	.57
5003-I	3-Way, Ivory	.69	.60
	Standard Grade 10A.—125V.; 5A.—250V.		
1330	Single Pole, Brown	.31	.27
1330-I	Single Pole, Ivory	.34	.30
1331	3-Way, Brown	.50	.44
1331-I	3-Way, Ivory	.54	.47
1230	Single Pole, Brown	.28	.25
1230-I	Single Pole, Ivory	.31	.27
1231	3-Way, Brown	.47	.41
1231-I	3-Way, Ivory	.50	.44

SILENT MERCURY SWITCHES

AC/DC

Specification Grade
10A.—125V. T; 5A.—250V.


5551

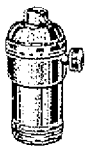

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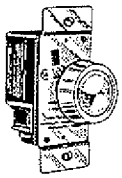

5561

Cat. No.	Description	10 Each	100 Each
5551	Single Pole, Brown	$1.04	$.91
5551-I	Single Pole, Ivory	1.04	.91
5553	3-Way, Brown	1.87	1.64
5553-I	3-Way, Ivory	1.87	1.64
5561	Single Pole, Illum. Toggle	1.38	1.20
5563	3-Way, Illum. Toggle	2.14	1.88

DIMMER CONTROLS


653
Hi-Low Dimmer


6151
Dimmer Socket


6681
600-W Wall Dimmer

Cat. No.	Description	1 Each	5 Each
	Incandescent Only 120 Volt A.C.		
6600	Low-cost Non, U.L. 600W. Full Range	$7.98	$6.99
6681	U.L. 600W. Full Range	10.38	9.09
6683	3-Way Version of 6681	12.76	11.17
6151	Metal Shell Lamp. Socket Dimmer150W. Full Range	4.78	4.19
61000	Sgl. Gang, U.L. 1000W. Full Range	31.96	27.97
61500	Sgl. Gang, U.L. 1500W. Full Range	64.00	56.00
62000	Sgl. Gang, U.L. 2000W. Full Range	79.60	69.65
			10 Each
657	400W. Hi-low 3-Position Toggle Switch	2.80	2.45
653	300W. Vertical 3-Position Toggle Switch Full Range..	1.76	1.54
	Fluorescent		
6675	2-12 40W. Lamps	POA	POA



TAMPERPROOF AC QUIET SWITCHES

Supplied with Key No. 55500

Guaranteed 25 Years

Specification Grade

Cat. No.	Description	10 Each	50 Each
	15 Amps, 120-277 Volts AC, ½ Hp. at 120 Volts 2-Hp. at 240 Volts		
55311	Single Pole, Brown	$2.42	$2.11
			20
55312	Double Pole, Brown	3.26	2.85
55313	3-Way, Brown	2.83	2.48
55314	4-Way, Brown	6.05	5.29
	20 Amps, 120-277 Volts AC, 1-Hp. at 120 Volts 2-Hp. at 240 Volts		
			50
55331	Single Pole, Brown	3.17	2.77
			20
55332	Double Pole, Brown	4.06	3.55
55333	3-Way, Brown	3.60	3.15
55334	4-Way, Brown	6.85	5.99

COMBINATION LINE SPECIFICATION GRADE

Outlets: 15 Amps., 125 Volts
Pilot Light: 75 Watts, 125 Volts
Neon Pilot Light: 1/25 Watts, 125 Volts
Switch: AC Quiet; 15 Amps., 120 Volts

Guaranteed 25 Years


5222


5243


5223-LB


5245

Cat. No.	Description	10 Each	100 Each
	With Break-Off Fin†		
5222	S.P. Sw. & Outlet, Br.	$1.03	$.90
5222-I	S.P. Sw & Outlet, Iv.	1.13	.99
5224	2 S.P. Switches, Brown▲	1.28	1.12
5224-I	2 S.P. Switches, Ivory ▲	1.38	1.20
5225	S.P. Sw. & Grd. Out., Br.	1.62	1.41
5225-I	S.P. Sw. & Grd. Out., Iv.	1.71	1.50
5241	S.P. & 3-Way Sw., Brown▲	1.65	1.44
5241-I	S.P. & 3-Way Sw., Ivory ▲	1.74	1.53
5243	2 3-Way Switches, Brown▲	2.11	1.85
5243-I	2 3-Way Switches, Ivory ▲	2.19	1.92
5245	3-Way Sw. & Grd. Out. Br.	2.05	1.79
5245-I	3-Way Sw. & Grd. Out. Iv.	2.14	1.88
	Without Break-Off Fin*		
5223-LB	S.P. Sw. & Pilot Light, Br.	1.10	.97
5223LB-I	S.P. Sw. & Pilot Light, Iv.	1.20	1.05
5226	S.P. Sw. & Neon Pilot Light, Brown	1.23	1.08
5226-I	S.P. Sw. & Neon Pilot Light, Ivory	1.33	1.16

†Common and separate feed with one device.
*Separate feed only.

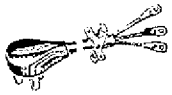
LEVITON WIRING DEVICES

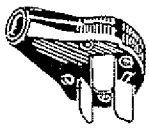
RANGE AND DRYER RECEPTACLE & CORD SETS


5050


275


5206


284


287

2-Pole, 3-Wire

Cat. No.	Description	10 Each	100 Each
	30 Amp., 125 Volt—NEMA 5-30		
5375	Surface	$2.48	$2.17
5371	Flush	1.92	1.68
932-3**	Cord Set — 3 Ft.	2.52	2.23
932-4**	Cord Set — 4 Ft.	2.93	2.56
932-5**	Cord Set — 5 Ft.	3.41	2.98
932-6**	Cord Set — 6 Ft.	3.88	3.40
	30 Amp., 250 Volt—NEMA 6-30		
5376	Surface	2.48	2.17
5372	Flush	1.92	1.68
933-3**	Cord Set — 3 Ft.	2.55	2.23
933-4**	Cord Set — 4 Ft.	2.93	2.56
933-5**	Cord Set — 5 Ft.	3.41	2.98
933-6**	Cord Set — 6 Ft.	3.88	3.40
	50 Amp., 125 Volt—NEMA 5-50		
		10	100
5377	Surface	2.48	2.17
5373	Flush	1.92	1.68
934-3*	Cord Set — 3 Ft.	3.98	3.48
934-4*	Cord Set — 4 Ft.	4.74	4.14
934-5*	Cord Set — 5 Ft.	5.68	4.97
934-6*	Cord Set — 6 Ft.	6.62	5.80
	50 Amp., 250 Volt—NEMA 6-50		
		10	100
5378	Surface	2.48	2.17
5374	Flush	1.92	1.68
935-3*	Cord Set — 3 Ft.	3.98	3.48
935-4*	Cord Set — 4 Ft.	4.74	4.14
935-5*	Cord Set — 5 Ft.	5.68	4.97

3-Pole, 3-Wire

	30 Amp., 125/250 Volt—NEMA 10-30		
		1	10
5054	Surface	1.68	1.47
5054-2	Surface Lay-in Terminals	1.68	1.47
5055	Flush — Box	1.48	1.30
5207	Flush	1.32	1.16
287	Angle Plug, 30 or 50 Amp.	1.84	1.61
285-3**	Cord Set — 3 Ft.	2.50	2.19
285-4**	Cord Set — 4 Ft.	2.82	2.46
285-5**	Cord Set — 5 Ft.	3.24	2.84
285-6**	Cord Set — 6 Ft.	3.42	3.00
	50 Amp., 125/250 Volt—NEMA 10-50		
		1	10
5050	Surface	1.68	1.47
5051	Flush — Box	1.48	1.30
5206	Flush	1.32	1.16
287	Angle Plug, 50 or 30 Amp.	1.84	1.61
284-3*	Cord Set — 3 Ft.	2.82	2.46
284-4*	Cord Set — 4 Ft.	3.33	2.91
284-5*	Cord Set — 5 Ft.	3.84	3.36
284-6*	Cord Set — 6 Ft.	4.28	3.75

†Two No. 8 and one No. 10 conductor, flat type.
*Two No. 8 conductors and one No. 8 conductor, flat type.
**Three No. 10 conductors.

3-Pole, 4-Wire

Cat. No.	Description	1 Each	100 Each
	30 Amp., 125/250 Volt—NEMA 14-30		
55054	Surface	$4.56	$3.99
		50	50
278	Flush	3.68	3.22
275	Angle Plug	2.96	2.59
4 No. 10 Conductors			
		1	10
5434-3	Cord Set — 3 Ft.	5.33	4.66
5434-4	Cord Set — 4 Ft.	5.94	5.20
5434-6	Cord Set — 6 Ft.	7.14	6.24
	50 Amp., 125/250 Volt—NEMA 14-50		
		1	100
55050	Surface	5.28	4.62
		50	50
279	Flush	3.68	3.22
275	Angle Plug	2.96	2.59
2 No. 6 and 2 No. 8 Conductors			
		1	10
5436-3	Cord Set — 3 Ft.	7.39	6.47
5436-4	Cord Set — 4 Ft.	8.72	7.63
		1	5
5436-6	Cord Set — 6 Ft.	7.14	6.24

LEV-O-LOCK DEVICES


5141


5161


5151


5156

2, 3, and 4-Wire

Cat. No.	Description	10 Each	50 Each
	2-Wire, 15 Amp. — 125 Volt; 10 Amp. — 250 Volt		
5121	Single Outlet	$.76	$.66
5141	Duplex Outlet	1.38	1.21
5145	Sep. Feeds, 1 Return	1.71	1.49
5146	Sep. Feeds, 2 Return	1.71	1.49
5102	Cap —Armored	.63	.55
5102P	Cap — Polarized	.63	.55
	2-Wire, 20 Amp. — 250 Volt		
5161	Single Outlet	.85	.75
5159	Cap	.70	.62
5159P	Cap — Polarized	.70	.62
5166	Connector	1.19	1.04
	3-Wire, 15 Amp. — 125 Volt; 10 Amp. — 250 Volt		
5152	Single Outlet	1.83	1.60
5155	Duplex Outlet	2.89	2.53
5151	Cap —Armored	1.00	.88
5156	Connector—Armored	1.76	1.54
	3-Wire, 20 Amp. — 125/250 Volt		
5175	Single Outlet	2.02	1.76
5171	Cap	1.51	1.32
5176	Connector	1.83	1.60
	3-Wire, 20 Amp.—250 Volt; 10 Amp—600 Volt		
5175-G	Single Outlet, Grounded	2.02	1.76
5171-G	Cap — Grounded	1.51	1.32
5176-G	Connector—Armored/Grd.	1.98	1.73
	3-Wire, 30 Amp. — 250 Volt		
5181	Single Outlet	3.01	2.63
5181-G	Single Outlet, Grd.	3.01	2.63
5180	Cap —Armored	2.25	1.97
5180-G	Cap—Armored/Grounded	2.25	1.97
	4-Wire, 20 Amp. — 250 Volt; 10 Amp. — 600 Volt		
5195	Single Outlet	2.76	2.42
5195-G	Single Outlet, Grd.	2.76	2.42
5182	Cap —Armored	2.02	1.76
5182-G	Cap —Armored/Grounded	2.02	1.76
5190	Connector —Armored	3.12	2.73
5190-G	Connector—Armored/Grd.	3.12	2.73

2 Pole, 3 Wire, 15 Amps., 125 Volts NEMA L7-15


5185


5186

Cat. No.	Description	10 Each	50 Each
5185	Duplex Outlet	$2.76	$2.41
5186	Cap — Armored	.92	.81

MIDGET LEV-O-LOCK

Cat. No.	Description	10 Each	50 Each
	2-Wire — 10 Amps. NEMA ML-1		
5125	Cap	$.42	$.36
5129	Cap — Polarized	.48	.42
5127	Connector	.76	.66
	3-Wire — 10 Amps. NEMA ML-3		
5131	Cap — Grounded	.91	.79
5133	Connector, Grd.	1.42	1.24

2 POLE, 3 WIRE DEVICES

Specification Grade

Parallel: 15 Amps., 125 Volts NEMA 5-15
Tandem: 15 Amps., 250 Volts NEMA 6-15

Guaranteed 25 Years


5320


5029


5009


5006

DUPLEX RECEPTACLES

Cat. No.	Description	10 Each	250 Each
	Side Wired		
5014	Parallel, Brown	$.62	$.54
5014-I	Parallel, Ivory	.65	.57
5014-GY	Parallel, Gray	.66	.57
5028	Tandem, Brown	.76	.67
5028-I	Tandem, Ivory	.79	.69
5031	Par. & Tandem, Brown	.79	.69
5031-I	Par. & Tandem, Ivory	.82	.72
	Back & Side Wired		
5096	Parallel, Brown	1.12	.98
5096-I	Parallel, Ivory	1.16	1.02
5096-GY	Parallel, Gray	1.17	1.02
5098	Tandem, Brown	1.26	1.11
5098-I	Tandem, Ivory	1.30	1.14

SINGLE RECEPTACLES

	Side Wired		
5015	Parallel, Brown	.55	.48
5015-I	Parallel, Ivory	.58	.51
5029	Tandem, Brown	.55	.48
5029-I	Tandem, Ivory	.58	.51
	Back and Side Wired		
5088	Parallel, Brown	1.05	.92
5088-I	Parallel, Ivory	1.09	.95
5089	Tandem, Brown	1.05	.92
5089-I	Tandem, Ivory	1.09	.95

CAPS — ARMORED

		10	100
5009	Parallel, Armored	.48	.42
5046	Tandem, Armored	.48	.42
5384	Parallel, Rubber	.48	.42

CONNECTORS

		10	50
5006	Parallel, Armored	1.02	.90
5037	Tandem, Armored	1.02	.90
5385	Parallel, Rubber	1.02	.90

DUPLEX STANDARD GRADE

	Quick-wire Push-in and Side Wired		
5320	Plaster Ears, Brown	.42	.37
5320-I	Plaster Ears, Ivory	.46	.40
5320-W	Plaster Ears, White	.46	.41
5320-4	5320, Less Ears	.48	.37
5320-4-I	5320-I, Less Ears	.51	.40
5320-4-W	5320-W, Less Ears	.52	.41
5320-5	5320, One Screw Backed Out Each Side	.48	.37
5320-5-I	5320-5, Ivory	.52	.40
5320-5-W	5320-5, White	.52	.41
5320-6	5320, Four Screws Backed Out	.48	.37
5320-6-I	5320-6, Ivory	.51	.40
5320-6-W	5320-6, White Quick Wired Receptacle	.52	.41
	Side Wired		
1215	Parallel, Brown	.42	.37
1215-I	Parallel, Ivory	.46	.40
	Quick Wired—Push-in Wired		
5248	8-Hole Quick Wired, Brown	.42	.37
5248-I	8-Hole Quick Wired, Ivory	.46	.40
5247	4-Hole Quick Wired, Brown	.42	.37
5247-I	4-Hole Quick Wired, Ivory	.46	.40

2 POLE, 3 WIRE DEVICES 20 AMP., 125 VOLT

NEMA 5-20


5800

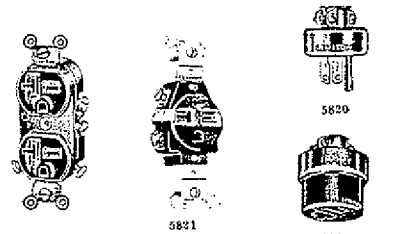

5801


5802

Cat. No.	Description	10 Each	100 Each
5800	Duplex Outlet, Brown	$.82	$.72
5800-I	Duplex Outlet, Ivory	.86	.75
5801	Single Outlet, Brown	.69	.60
5801-I	Single Outlet, Ivory	.72	.63
5802	Armored Cap	.48	.42
5896	Duplex Outlet, Brown	1.52	1.18
5896-I	Duplex Outlet, Ivory	1.56	1.21

LEVITON WIRING DEVICES

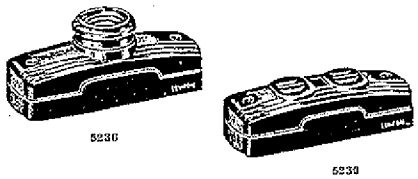
20 AMP. 250 VOLT 2 POLE 3 WIRE DEVICES



Designed especially for air conditioner applications. Meets all UL Federal, ASA and NEC requirements as well as NEMA Std. Configuration No. 6-20.

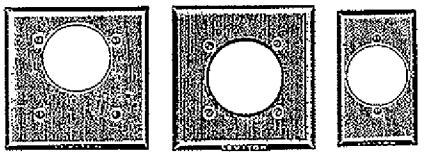
Cat. No.	Description	10 Each	50 Each
	Side Wired		
5822	Duplex, Brown	$1.54	$1.34
5822-I	Duplex, Ivory	1.57	1.37
5827	5822 on 4" Cover	1.26	1.10
5821	Single, Brown	.99	.87
5821-I	Single, Ivory	1.02	.90
	Back and Side Wired		
5824	Duplex, Brown	1.54	1.34
5824-I	Duplex, Ivory	1.57	1.37
5823	Single, Brown	1.50	1.32
5823-I	Single, Ivory	1.54	1.34
	Armored Plug, Connector, Motor Base Inlet		
5820	Plug with Clamp	.68	.60
5828	Connector with Clamp	1.33	1.04
5829	Motor Base Inlet	.94	.83

LEV-O-LETS SURFACE DEVICES



Cat. No.	Description	10 Each	50 Each
5230	Outlet, Brown	$.76	$.67
5230-I	Outlet, Ivory	.87	.76
5231	S.P. Switch, Brown	1.06	.93
5231-I	S.P. Switch, Ivory	1.16	1.02
5233	3-Way Sw., Brown	1.20	1.05
5233-I	3-Way Sw., Ivory	1.30	1.14
5236	Lampholder, Brown	.96	.84
5236-I	Lampholder, Ivory	1.06	.93
5238	U-Outlet, Brown	1.58	1.39
5238-I	U-Outlet, Ivory	1.70	1.48

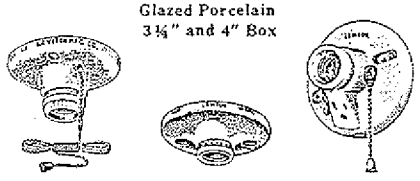
RANGE/DRYER WALL PLATES



Cat. No.	Description	10 Each	50 Each
	2 Gang — Offset Hole		
11950	Steel, Alum. Finish	$.56	$.43
11951	Steel, Brass Finish	.50	.43
21950	Brass (.040")	1.28	1.12
	2 Gang — Center Hole		
4934	Steel, Alum. Finish	.53	.46
4935	Steel, Brass Finish	.46	.41
4936	Satin Brass (.040")	1.28	1.12
	Single Gang — Center Hole		
4927	Steel, Alum. Finish	.30	.26
4928	Steel, Brass Finish	.23	.20

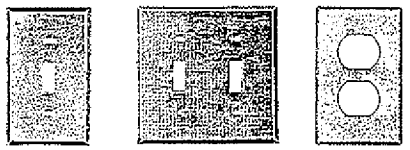
CEILING RECEPTACLES

Glazed Porcelain
3½" and 4" Box



Cat. No.	Description	Each	50 Each
9816A	5" Chain, 250W, 250V	$.66	$.58
9816B	5" Chain, Ins., 250W, 250V	.72	.63
9816C	Short Chain, 3' Cord, 250W, 250V	.68	.60
9726A	15A, U-Grd. Outlet, 660W, 125V	1.09	.96
9726B	15A, U-Grd. Outlet, 660W, 125V	1.15	1.00
9726C	15A, U-Grd, Outlet, 660W, 125V	1.11	.97
9875	Keyless, 660W, 250V	.42	.36
29816C	Top Wired, 250W, 250V	.70	.61

METAL AND PHENOLIC WALL PLATES



Smooth-Line

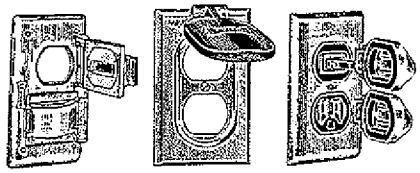
*To complete Cat. No. add suffix below for Type. Example: 83005 is a smooth aluminum 2-gang plate, toggle and duplex.

Cat. No.	Description	10 Each	50 Each
	Single Gang		
810*	Brass	$.64	$.56
830*	Aluminum	.26	.22
840*	Stainless Steel	.34	.29
840*—40	Deluxe Stainless	.51	.45
850*	Brown Phenolic	.10	.09
860*	Ivory Urea	.13	.12
870*	Gray Phenolic	.13	.12
880*	White Urea	.14	.12

TWO GANG — Double the above prices.
THREE GANG — Triple the above prices.
FOUR GANG — Quadruple the above prices.

Suffix	Type	Suffix	Type
01	1 Toggle	16	2 Duplex
02	1 Push Button	17	1 Bell
03	1 Duplex	21	2 Toggle, 1 Dupl.
04	1 Single	23	5 Toggle
05	1 Toggle, 1 Duplex	36	6 Toggle
07	1 Toggle, 1 Single	39	2 Gang, 1 Duplex
09	2 Toggle	40	2 Gang, 1 Toggle
10	2 Push Button	41	4 Duplex
11	3 Toggle	42	3 Toggle, 1 Sgl.
12	4 Toggle	43	3 Toggle, 1 Dupl.
13	1 Radio-Telephone	44	2 Toggle, 2 Sgl.
14	1 Blank	45	2 Toggle, 2 Dupl.

WEATHERPROOF WALL PLATES



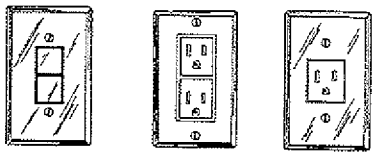
Not furnished with device. Designed to fit all flush outlets, switches and combination devices.

Duplex Die Cast AL, Spec. Grade

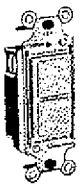
Cat. No.	Description	Less 50 Each	50 Each
4943	For Std. Gem Box, Duplex	$1.60	$1.40
4942	For FS Box, Duplex	1.86	1.62
	Die Cast Zinc Cover		
4925	Single Cover	1.28	1.12
4926	Duplex, Single Cover	1.60	1.40
4929	Duplex, Two Covers	1.44	1.26

CENTURA

Classic styling, highest Specification Grade construction. Guaranteed for 25 years. Ten decorator colors, plus thousands of pleasing color combinations. Standard color is brown; add the following suffixes to the catalog number to order the following colors: (I) Ivory; (W) White; (GY) Gray; (TA) Beige; (BLK) Black; (PK) Pink; (BU) Blue; (YL) Yellow; (R) Red.



Guaranteed 25 Years



CENTURA AC QUIET TOUCH BUTTON SWITCHES

Specification Grade
15 Amp., 120/277 Volt AC
½ Hp. at 120 VAC; 2 Hp. at 240 VAC

Cat. No.	Brown 10	Brown 50	Each Ivory, Beige, White Gray, Black 10	Each Ivory, Beige, White Gray, Black 50	Red Yellow Blue Pink 10	Red Yellow Blue Pink 50
	Single Pole — Standard					
59501	$1.53	$1.34	$1.62	$1.41	$1.88	$1.65
	3-Way — Standard					
59503	2.20	1.93	2.29	2.00	2.55	2.23
	Single Pole — Illuminated					
59511*	.....	.....	2.11	1.85	2.38	2.08
	3-Way — Illuminated					
59513*	.....	.....	3.45	3.02	3.71	3.25

*Not available in brown or black.

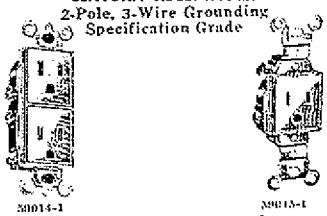
20 Amp., 120/277 Volt Switches
1 Hp. at 120 VAC; 2 Hp. at 240 VAC
Furnished with Red Strap for Easy Identification

Cat. No.	Brown 10	Brown 50	Each Ivory, Beige, White Gray, Black 10	Each Ivory, Beige, White Gray, Black 50	Red Yellow Blue Pink 10	Red Yellow Blue Pink 50
	Single Pole — Standard					
59521	$1.94	$1.69	$2.02	$1.77	$2.29	$2.00
	3-Way — Standard					
59523	2.81	2.46	2.90	2.53	3.16	2.77
	Single Pole — Illuminated					
59531*	.....	.....	2.72	2.38	2.98	2.61
	3-Way — Illuminated					
59533*	.....	.....	4.34	3.80	4.61	4.03

*Not available in brown or black.

CENTURA RECEPTACLES

2-Pole, 3-Wire Grounding
Specification Grade



15 Amp., 125 Volt Receptacles
NEMA 5-15R

Cat. No.	Brown 10	Brown 50	Each Ivory, Beige, White Gray, Black 10	Each Ivory, Beige, White Gray, Black 50	Red Yellow Blue Pink 10	Red Yellow Blue Pink 50
	Duplex — Side Wired					
59014	$1.04	$.91	$1.13	$.99	$1.39	$1.22
	Single — Side Wired					
59015	.79	.69	.88	.77	1.14	1.00
	Duplex — Back and Side Wired					
59096	1.41	1.23	1.50	1.31	1.76	1.54
	Single — Back and Side Wired					
59088	1.32	1.16	1.41	1.23	1.67	1.46

LEVITON WIRING DEVICES

CENTURA RECEPTACLES

2-Pole, 3-Wire Grounding

15 Amp., 250 Volt Receptacles
NEMA 6-15R

Cat. No.	Brown 10	Brown 50	Each Ivory, Beige, White Gray, Black 10	Each Ivory, Beige, White Gray, Black 50	Red Yellow Blue Pink 10	Red Yellow Blue Pink 50
	Duplex — Side Wired					
59028	$1.13	$.99	$1.22	$1.06	$1.48	$1.30
	Single — Side Wired					
59029	.79	.69	.88	.77	1.14	1.00
	Duplex — Back and Side Wired					
59098	1.53	1.34	1.62	1.41	1.88	1.65
	Single — Back and Side Wired					
59089	1.44	1.26	1.53	1.34	1.79	1.57

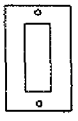
20 Amp., 125 Volt Receptacles
NEMA 5-20R

Cat. No.	Brown 10	Brown 50	Each Ivory, Beige, White Gray, Black 10	Each Ivory, Beige, White Gray, Black 50	Red Yellow Blue Pink 10	Red Yellow Blue Pink 50
	Duplex — Side Wired					
59000	$1.26	$1.11	$1.35	$1.18	$1.62	$1.41
	Single — Side Wired					
59001	1.07	.94	1.16	1.02	1.42	1.25
	Duplex — Back and Side Wired					
59002	1.66	1.45	1.74	1.53	2.01	1.76
	Single — Back and Side Wired					
59003	1.46	1.28	1.55	1.36	1.82	1.90

20 Amp., 250 Volt Receptacles
NEMA 6-20R

Cat. No.	Brown 10	Brown 50	Each Ivory, Beige, White Gray, Black 10	Each Ivory, Beige, White Gray, Black 50	Red Yellow Blue Pink 10	Red Yellow Blue Pink 50
	Duplex — Side Wired					
59022	$2.22	$1.95	$2.31	$2.02	$2.58	$2.25
	Single — Side Wired					
59021	1.58	1.37	1.65	1.44	1.91	1.67
	Duplex — Back and Side Wired					
59024	2.62	2.29	2.70	2.37	2.97	2.60
	Single — Back and Side Wired					
59023	1.94	1.70	2.03	1.78	2.30	2.01

CENTURA
UREA AND PHENOLIC WALL PLATES



Smooth Face — Round Edges

80203-IV

Cat. No.	Brown 10	Brown 50	Each Ivory, Beige, White Gray, Black 10	Each Ivory, Beige, White Gray, Black 50	Red Yellow Blue Pink 10	Red Yellow Blue Pink 50
	Single Gang — Single Switch					
80201	$.12	$.11	$.15	$.13	$.42	$.36
	Single Gang — Duplex Receptacle					
80203	.12	.11	.15	.13	.42	.36
	Single Gang — Single Receptacle					
80204	.12	.11	.15	.13	.42	.36
	Two Gang — Two Switch					
80209	.24	.21	.30	.26	.82	.72
	Two Gang — Two Duplex Receptacle					
80216	.24	.21	.30	.26	.82	.72
	Two Gang — One Switch — One Duplex					
80205	.24	.21	.30	.26	.82	.72
	10	20	10	20	10	20
	Three Gang — Three Switch					
80211	.36	.32	.45	.39	1.24	1.09
	Three Gang — Two Switch — One Duplex					
80221	.36	.32	.45	.39	1.24	1.09
	Four Gang — Four Switch					
80212	.47	.41	.60	.53	1.66	1.45

CENTURA METAL WALL PLATES
Brass and Aluminum Available

Cat. No.	Description	Each 5	Each 10
	Deluxe Stainless Steel		
84201–40	1-Gang, 1 Switch	$.53	$.46
		7	10
84203–40	1-Gang, Dupl. Recept.	.53	.46
84204–40	1-Gang, Sgl. Recept.	.53	.46
		10	10
84205–40	2-Gang, 1 Sw., 1 Dupl.	1.06	.92
84209–40	2-Gang, 2 Switch	1.06	.92
84216–40	2-Gang, 2 Dupl., Recept.	1.06	.92
		6	10
84211–40	3-Gang, 3 Switch	1.58	1.39
84221–40	3-Gang, 2 Sw., 1 Dupl.	1.58	1.39
		5	10
84212–40	4 Gang, 4 Switch	2.11	1.85

8100 series in brass. 8360 in aluminum available on inquiry.

BELL DELUXE METAL AND PLASTIC WALL PLATES

America's most complete line. When ordering simply show style, gang and finish symbol as listed below:

STYLE NOS.	GANG SIZE	FINISH
Select Nos. from dwgs. shown	Add size — up to 10-gang	Add finish symbol for finish desired

Example: Duplex Receptacle, 1-gang

12 -1 -C (2-gang = 12-2-C)

Duplex — 1-gang — Chrome finish

WALL PLATE STYLES



10 11 12 13 14 15



16 17 18 19 20 58-2

ONE-GANG (-1), ANY STYLE

Finish Symbol	Description	25 Each	250 Each
-C	Chrome	$0.18	$0.16
-SS	Stainless Steel	.38	.34
-SB	Satin Brass	.72	.64
-IC	Ivory Crackle	.09	.08
-BC	Brown Crackle	.09	.08
-BR	Brown Plastic	.11	.10
-IV	Ivory Plastic	.15	.13
-WH	White Plastic	.16	.14

TWO-GANG (-2), ANY STYLE

		10 Each	100 Each
-C	Chrome	$0.36	$0.32
-SS	Stainless Steel	.76	.67
-SB	Satin Brass	1.44	1.28
-IC	Ivory Crackle	.18	.16
-BC	Brown Crackle	.18	.16
-BR	Brown Plastic	.225	.20
-IV	Ivory Plastic	.30	.26
-WH	White Plastic	.32	.29

STYLE 58-2 (2-GANG)

-C	Chrome	$0.36	$0.32
-SS	Stainless Steel	.76	.67
-SB	Satin Brass	1.44	1.28
-IC	Ivory Crackle	.18	.16
-BC	Brown Crackle	.18	.16
-BR	Brown Plastic	.225	.20
-IV	Ivory Plastic	.30	.25
-WH	White Plastic	.32	.29

BELL SPECIALTY WALL PLATES



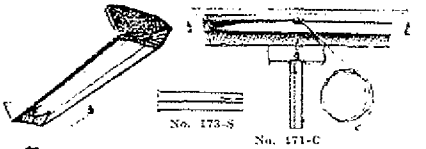
Custom wall plates are available in any number of gangs up to 10, in any combination of openings, for either standard or interchangeable devices, in a choice of over 30 different metal, plastic or painted finishes. Prices on application.

Oversize wall plates are available in 12 different one and two gang styles and in 25 finishes.

Engraved plates are available in choice of 7 finishes, engravings as specified, lettering color as desired. Write for prices.

Narrow plates, telephone hardware plates, framed plates, and standard plates in 26 different device openings are available. Write for prices.

McGILL FLUORESCENT LAMP CHANGERS



No. 173-S No. 171-C



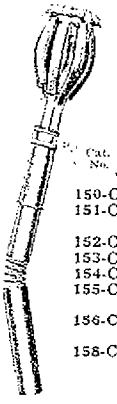
Easy to handle and operate to replace fluorescent lamps requiring 90° rotation or endwise movement. Lamps up to 1½" diameter can be removed with a twist of the wrist. Complete unit No. 174 consists of changer head, four-section, 8-foot pole and starter changer.

Cat. No.	Description	Each Ctn.	Std. Pkg.
174	Complete changer unit for lamps up to 1½" diam.	$24.03	$21.03
170-P	Pole section only, 24" long	26.90	23.50
171-C	Changer head only for lamps up to 1½" diam.	14.91	13.05
173-S	Starter changer only..	.80	.70

Carton 6. Standard package 10.

McGILL ADAPTABLE LAMP CHANGERS

With Rubber Covered Fingers and Coil Spring



For more convenient replacement of light bulbs in any location. Coil spring around ends of rubber covered fingers grip bulb firmly. Nos. 150-CA and 151-CA have angle adjustment on heads for bulbs in horizontal position. Other models are furnished without angle adjustment.

Cat. No.	Lamp Size	Wt. Oz. Each	Each Ctn.	Std. Pkg.
	With Angle Adjustment			
150-CA	15— 100-w	8	$5.86	$5.12
151-CA	100- 300-w	9	5.86	5.12
	No Angle Adjustment			
152-C	300- 500-w	10	5.86	5.12
153-C	750-1500-w	10	6.32	5.53
154-C	400-w Merc.,T-16	8	6.32	5.53
155-C	R-52, R-57, RB-52 500-100w Flood....		7.23	6.33
156-C	PAR-38, R-30, R-40 150w	12	5.86	5.12
158-C	BT-37, E-37, BT-46, Merc. 400 and 700 Watt	14	7.23	6.33
159-C	R-60	14	7.23	6.33
161-C	175 BT-28 E-28, 75-250w Merc.	7	5.96	5.17
163-C*	275-400-w		7.58	6.64
164-C	BT-56		7.23	6.33

*Vinyl coated fingers; Lucalox.



With Rubber Suction Cup Assemblies

Cat. No.	Description	Each Ctn.	Std. Pkg.
157-C	3 Suction Cups for 200W spot or flood such as R-40, R-52 and RB-52	$6.78	$5.94
162-C	Single suction cup for PAR-38 and similar type lamps	3.71	3.25

Carton 5. Standard package 10.

STEEL LAMP CHANGER POLES

Insulated for Safety

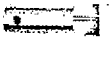


Available in 5-foot sections, fully insulated and interchangeable. Opposite ends telescope and lock to complete desired multiple section length.

Cat. No.	Description	Each Ctn.	Std. Pkg.
160-P	Steel Interchangeable, 5 ft. sections	$4.10	$3.58

Note — Not for Fluorescent Changers.

LAMP BASE REMOVER



Provides a fully insulated, safe and sure way to remove bases of broken lamp bulbs without possibility of injury to hands from shock or broken glass. Fits lamp changer pole and will handle standard and mogul lamp base.

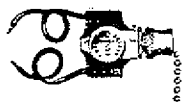
Cat. No.	Description	Each Ctn.	Std. Pkg.
200	Lamp Base Remover	$2.64	$2.31

McGILL LEVOLIER SWITCHES

Underwriters' Laboratories, Inc. Listed. CSA Approved.

PULL CHAIN — SINGLE CIRCUIT

3 Amp. "T," 125V—1 Amp., 250V



Especially durable, yet inexpensive 3 Amp., 250 Volt switch with single pole, double break mechanism, enclosed in plastic case. 6 in. wire leads secured to terminals by pressure connections — no soldered terminals. Equipped with 6 ft. cord and bell. Size 1 x 1¾ inches.

Cat. No.	Stem, Diam.	Stem, Length	Carton	Std. Pkg.	Each Ctn.	Each Std. Pkg.
21	½	⅞	10	100	$10.60	$8.60

LEVER OPERATED — SINGLE CIRCUIT

6 Amp. "T," 125 Volt—3 Amp., 250 Volt



No. 71

The No. 71 is the thinnest, 1¼", 6 Amp., 125 Volt—3 Amp., 250 Volt "T" rated switch made. Plastic cased with 6-in. wire leads.

Cat. No.	Stem, Diam.	Stem, Length	Carton	Std. Pkg.	Each Ctn.	Each Std. Pkg.
71	½	⅞	10	100	$1.15	$0.94

LEVER OPERATED — SINGLE CIRCUIT

6 Amp. "T," 125 Volt—3 Amp., 250 Volt



No. 41

Only ⅝ inch thick the No. 41 is one of the smallest 6 amp. 125 volt pull switches made, yet has unusual capacity, dependability and long life. Single pole, double break mechanism, equipped with 6 ft. cord or plain lever control. Standard finish nickel.

Cat. No.	Stem, Diam.	Stem, Length	Carton	Std. Pkg.	Each Ctn.	Each Std. Pkg.
41	⅞	⅞	10	100	$1.10	$9.00
43	⅞	¾	10	100	1.28	10.40
39 W/Mounting Link			10	100	1.10	9.00

McGILL SINGLE POLE TOGGLE SWITCHES

20 Amp., 125 Volts AC; 10 Amp., 250 Volts AC



No. 90-0001

1 HP 125-250 VAC. Nickel finish with molded phenolic case, ½"-32 threaded nipple ½" long. Available with screw, solder or spade terminals and a variety of circuit control arrangements.

Cat. No.	Terminals	Each Ctn.	Cat. No.	Terminals	Each Ctn.
SPST			**SPDT—On; Center Off, Momentary**		
90-0001	Screw	$0.84	93-1001	Screw	$1.13
90-0002	Solder	.80	93-1002	Solder	1.03
90-0003	Spade	.80	93-1003	Spade	1.03
SPDT—Center Off			**SPST—Momentary Off, Normally Closed**		
91-0001	Screw	.94	93-2001	Screw	.87
91-0002	Solder	.84	93-2002	Solder	.79
91-0003	Spade	.84	93-2003	Spade	.79
SPDT—No Off			**SPST—Momentary On, Normally Open**		
92-0001	Screw	.94	93-3001	Screw	.91
92-0002	Solder	.84	93-3002	Solder	.87
92-0003	Spade	.84	93-3003	Spade	.96
SPDT—Momentary			**SPDT—On, No Off, Momentary**		
93-0001	Screw	1.19	93-4001	Screw	1.04
93-0002	Solder	1.13	93-4002	Solder	.99
93-0003	Spade	1.08	93-4003	Spade	.99

Carton 25. Standard Package 100. Weight 9 lbs.

8 Amp., 125 Volts; 4 Amp., 250 Volts
½ HP, 125-250 Volts AC



No. 4125-0004

Ideal for panel board and appliances, tools and FHP motors, etc.

The brown molded phenolic case is dust and vibration proof. Nickel finish.

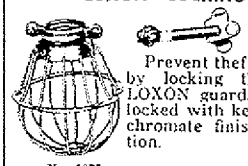
Cat. No.	Description	Each Ctn.	Each Std. Pkg.
4125-0001	With Screw Terminals	$.073	$0.90
4125-0002	With Soldering Lugs	.66	.82
4125-0003	With Spade Terminals	.66	.82
4125-0004	With Wire Leads	.64	.78

Carton 26. Standard Package 100. Weight 6 lbs.

McGILL PORTABLE LAMP GUARDS

Underwriters' Laboratories, Inc., Listed. CSA Approved.

LOXON® LOCKING LAMP GUARDS



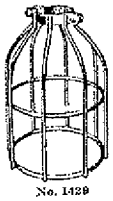
No. 1015

Prevent theft and breakage of lamps by locking them on with McGill LOXON guards. Easily attached and locked with key. Heavily zinc plated, chromate finish steel wire construction.

Cat. No.	Lamp Size Watts	Fits Socket	Each Ctn.	Each Std. Pkg.
1100	100	Brass	$1.46	$1.27
1100-A	100	W.P. Socket A	1.26	1.11
1200	200	Brass	1.82	1.60
1200-A	200	W.P. Socket A With Reflectors	1.50	1.32
1100-R	100	Brass	1.89	1.65
1100-RA	100	W.P. Socket A	1.78	1.55

3 keys included with each dozen guards. Cat. Nos. followed by "A" fit any W.P. socket with 1⅛" to 1¾" diameter bottom bead.

PROTECTOR "O" GUARDS



No. 1429

Open Bottom — Heavy Duty

These guards are made of No. 10 wire and are for general construction work. The collar slips over the weatherproof sockets which are generally used on outside work. Guards are not easily broken or crushed and can be removed from one job to another.

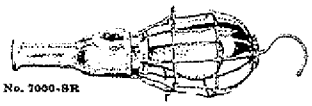
Cat. No.	Description	Each Ctn.	Each Std. Pkg.
1429	For Brass Socket, 60W.	$1.33	$1.16
1433	For 1½" dia. socket, 100W.	1.36	1.19
1434	For 1½" dia. socket, 200W.	1.90	1.67
2932*	Trap only to close bottom, except on guard #1434		
2933*	Trap only to close bottom on guard #1434		

Standard Package 48. Carton 12.
*Standard Package 5000. Carton 10.

For rubber insulated models of above guards, add prefix "A" to above catalog number.

7000 SERIES PORTABLE LAMP GUARDS

Neoprene-Butyl Handle—Closed End Cage



No. 7000-SR

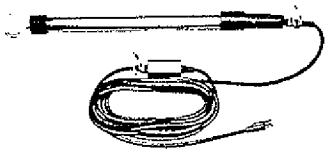
Beige, neoprene-butyl handle equipped with 660 watt, 250 volt lampholder. Electrically welded steel wire cage with No-Rol feature, heavily zinc plated.

7000 Series Ungrounded Models

Cat. No.	Description	Each Ctn.	Each Std. Pkg.
	Lamp Size 60-100-w, RS		
7000	Keyless	$4.34	$3.79
7000-R	With Reflector	4.83	4.23
7000-S	With Levolier Switch	5.34	4.68
7000-SR	With Reflector and Switch	5.84	5.11

For grounded models add the suffix "G" to catalog number open end-cages available.

McGILL FLUORESCENT PORTABLE SERVICE LIGHT



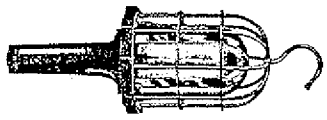
Compact and lightweight . . . 2⅜" diameter, 26½" long. Virtually unbreakable shatterproof plastic tube protects 15W lamp. Unmatched cool operation eliminates danger of burns. Safe, watertight. No exposed metal.

Plastic tube seated (without tools) in gray neoprenebutyl handle and cap. 25' cord, grounded from ballast to plug. Durable; over 7500 hours of lamp life. Heavy-duty construction throughout.

Cat. No.	Description	Price Each
5330-1000	Lamp w/tube and starter	$28.14

3002 and 3005 SERIES PORTABLE LAMP GUARDS

Plastic Handle—Closed End Cage of Brass Wire—Heavy Duty



No. 3005

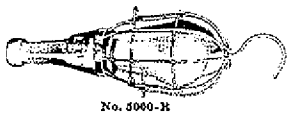
The 3005 is a heavy duty vaporproof portable with ⅛-inch hard brass bands to hold the glass globe rigid. The ⅛-inch thick glass globe seals against a shoulder on a pliable rubber gasket.

Its fire resisting, break-proof plastic handle uses a grounded 660-watt, 250-volt lampholder.

Cat. No.	Description	Each Ctn.	Each Std. Pkg.
3005	Lamp size, max. 100-w, Keyless, Grounded	$20.80	$18.20
3005-R	No. 3005 with Reflector	22.08	19.32

5000 SERIES PORTABLE LAMP GUARDS

Phenolic Handle — Closed End Cage — Convenience Outlet



No. 5000-R

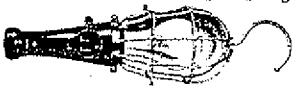
A DeLuxe Portable Lamp Guard with an Underwriters' Approved convenience outlet built into an impact resisting brown phenolic plastic handle. Sturdily constructed with a 15 Amp. 125 volt, 10 Amp. 250 volt outlet, 660 watt, 250 volt lampholder, cord strain relief and cord seal. No-Rol cage.

5000 Series Ungrounded Models

Cat. No.	Description	Each Ctn.	Each Std. Pkg.
	Lamp Size 60-100-w, RS		
5000	Keyless	$5.84	$5.11
5000-R	With Reflector	6.35	5.56
5000-S	With Levolier Switch	6.35	5.56
5000-SR	With Reflector and Levolier Switch	6.85	5.99

5000 SERIES GROUNDED MODELS

Phenolic Handle—Closed End Cage



No. 5000-SRG

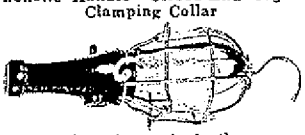
The 5000 series grounded guards offer industry the first completely grounded lamp guard that is equipped with an approved 3-wire convenience outlet. The cage is grounded by means of internal handle construction with a third terminal providing contact with the attached cord.

Convenience Outlet with U Shaped Ground

Cat. No.	Description	Each Ctn.	Each Std. Pkg.
	Lamp Size 60-100-w, RS		
5000-G	Keyless	$6.96	$6.09
5000-RG	With Reflector	7.46	6.52
5000-SG	With Levolier Switch	7.46	6.52
5000-SRG	With Reflector and Levolier Switch	7.97	6.97

5100 SERIES PORTABLE LAMP GUARDS

Phenolic Handle—Closed-End Cage—Clamping Collar



The 5100 series of guards is the same as the 5000 series except with thumb-clamp cage for easy bulb replacement without tools.

Cat. No.	Description	Each Ctn.	Each Std. Pkg.
	Lamp Size 60-100-w, RS		
5100	Keyless	$6.26	$5.47
5100-R	With Reflector	6.75	5.91
5100-S	With Levolier Switch	6.75	5.91
5100-SR	With Reflector and Switch	7.26	6.36

McGILL EXPLOSION-PROOF LAMP GUARDS

Underwriters' Laboratories, Inc. Listed. C.S.A. Approved.

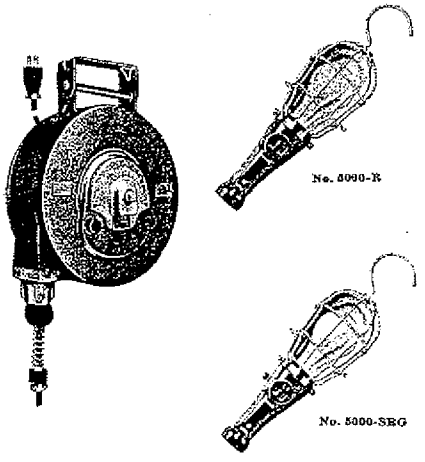


No. 5226

The ideal hand lamp to insure complete safety for portable lighting in hazardous locations. Globe is clamped firmly between guard and globe holder making a flame-tight joint. Unit screws tight to handle. Lightweight, only 4½ lbs. Overall length only 16¾". Weather-resistant-raintight. Explosion, heat and impact resistant globe. Rugged, impact resistant molded phenolic and cast aluminum construction. Simple cord installation, easy relamping, swivel type hook. Conforms to National Electric Code for 75 watt, A21 Lamp, Max. Class II, Group B for 100 watt, A21 Lamp, Max. Class I, Groups C and D.

Cat. No.	Description	Wt. Lbs. Each	Each
5226	Lamp size 100W, keyless (bulb not included)	4½	$46.28
5226–2	Guard and globe holder for above handle not included)	3	17.64

McGILL AUTO-LOC™ CORD REELS



No. 5000-R

No. 5000-SRG

Available with or without McGill 5000-SRG (grounded) or 5060-SR (standard) Lamp Guards. Instant automatic locking device positively stops and locks cord at any length. Simple external control to change from automatic locking operation to constant cord tension. Oversize main shaft, bearings and mainspring. High ampere slip rings, brushes and contact points. Large radius cord guide casting prevents cord snubbing and wear. 2-wire 16/2 or 14/2 SJO or 3-wire 16/2 or 14/2 SJO gray cords. Swivel bracket insures free cord flow in any position. 10 year warranty.

Cat. No.	Cord	Approx. Net Wt. Lbs.	Each
	Without Lamp Guard		
8425	25' 14/2 SJO	16	$71.40
8435	25' 14/3 SJO*	17	83.40
8520	20' 16/3 SJO*	11	54.45
8525	25' 16/2 SJO	10	51.86
8535	35' 16/3 SJO*	14	68.73
8545	45' 16/2 SJO	13	64.83
	With Lamp Guard		
8425-S	25' 14/2 SJO	18	86.80
8435-S	25' 14/3 SJO*	19	90.00
8520-S	20' 16/3 SJO*	13	58.72
8525-S	25' 16/2 SJO	12	54.78
8535-S	35' 16/3 SJO*	16	71.61
8545-S	45' 16/2 SJO	15	67.13

*Grounded.

Units equipped with 16/2 & 16/3 SJO cords rated 250V. — 10A. Units equipped with 14/2 & 14/3 SJO cords rated 250V — 15A.

Units listed with guards use McGill No. 5000-SR or 5000-SRG (grounded) lamp guards. Units can also be supplied with any other standard McGill portable lamp guard.

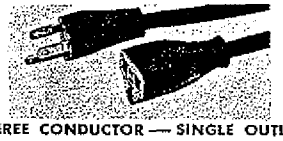
HEAVY DUTY EXTENSION CORDS

MOLDED-ON PLUG AND CONNECTOR



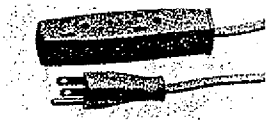
TWO CONDUCTOR — SINGLE OUTLET
BLACK RUBBER JACKET

Lgth. Ft.	Wire No./Type	Each Less Ctn.	Ctn.
25	18–2 SJ	$3.08	$2.47
50	18–2 SJ	5.23	4.18
12	16–2 SJ	2.43	1.94
25	16–2 SJ	3.94	3.16
50	16–2 SJ	6.71	5.37
100	16–2 SJ	12.46	9.97
25	14–2 SJ	8.86	7.08
50	14–2 S	15.77	12.61
100	14–2 S	35.98	24.82
50	12–2 S	21.73	17.38
100	12–2 S	41.57	33.26
	YELLOW OR RED VINYL JACKET		
25	18–2 SJT	$3.08	$2.47
50	18–2 SJT	5.23	4.18
12	16–2 SJT	2.43	1.94
25	16–2 SJT	3.94	3.16
50	16–2 SJT	6.71	5.37
100	16–2 SJT	12.46	9.97



THREE CONDUCTOR — SINGLE OUTLET
BLACK RUBBER JACKET

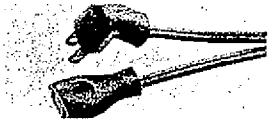
25	18–3 SJ	$4.27	$3.42
50	18–3 SJ	8.31	6.65
12	16–3 SJ	4.37	3.49
25	16–3 SJ	5.55	4.44
50	16–3 SJ	10.37	8.29
100	16–3 SJ	19.37	15.50
25	14–3 S	13.43	10.74
50	14–3 S	24.92	19.94
100	14–3 S	47.91	38.33
50	12–3 S	27.68	22.15
100	12–3 S	51.22	40.98
	YELLOW OR RED VINYL JACKET		
25	18–3 SJT	$4.27	$3.42
50	18–3 SJT	8.31	6.65
12	16–3 SJT	4.37	3.49
25	16–3 SJT	5.55	4.44
50	16–3 SJT	10.37	8.29
100	16–3 SJT	19.37	15.50



THREE CONDUCTOR — THREE OUTLET
RED NEOPRENE JACKET

50	16–3 SJO	$13.60	$10.86
100	16–3 SJO	28.90	23.11
50	14–3 SO	31.40	25.10
100	14–3 SO	58.90	47.15
100	12–3 SO	69.55	55.64
	BLACK RUBBER JACKET		
12	16–3 SJ	5.90	4.70
25	16–3 SJ	7.10	5.67
50	16–3 SJ	11.90	9.51
100	16–3 SJ	20.90	16.71

FLAT YELLOW ALL VINYL EXTENSION CORDS



TWO CONDUCTOR — SINGLE OUTLET

Lgth. Ft.	Wire Size	Each Less Ctn.	Ctn.
25	16–2	$3.61	$2.89
50	16–2	6.07	4.86
100	16–2	10.25	8.20
25	14–2	4.84	3.87
50	14–2	8.32	6.66
100	14–2	15.23	12.18
25	12–2	7.19	5.75
50	12–2	13.83	11.07
100	12–2	23.56	18.85

FLAT YELLOW ALL VINYL EXTENSION CORDS



THREE CONDUCTOR — SINGLE OUTLET

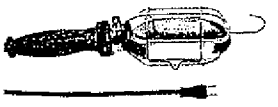
Lgth. Ft.	Wire No./Type	Each Less Ctn.	Ctn.
25	16–3	$4.84	$3.87
50	16–3	8.04	6.43
100	16–3	14.70	11.76
25	14–3	6.23	4.99
50	14–3	10.36	8.29
100	14–3	19.38	15.50
25	12–3	10.80	8.64
50	12–3	21.60	17.28
100	12–3	38.08	30.46



THREE CONDUCTOR — THREE OUTLET

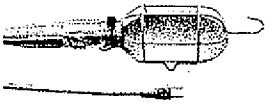
25	16–3	$6.25	$5.00
50	16–3	9.55	7.65
25	14–3	8.00	6.40
50	14–3	12.45	9.98
100	14–3	21.70	17.38
50	12–3	24.20	19.35
100	12–3	40.80	32.72

TROUBLE LIGHTS



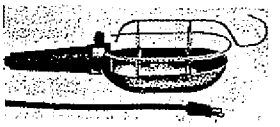
2 WIRE — BLACK RUBBER JACKET
RUBBER HANDLE

Lgth. Ft.	Wire No./Type	Each Less Ctn.	Ctn.
25	18-2/SJ	$4.10	$3.28
50	18–2/SJ	6.30	5.04



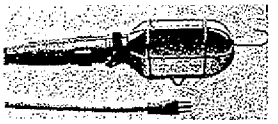
2 WIRE — YELLOW RUBBER JACKET
PLASTIC HANDLE — 2 SIDE OUTLETS

25	18–2/SJO	$4.84	$3.87
50	18–2/SJO	6.91	5.53
25	16–2/SJO	5.28	4.22
50	16–2/SJO	7.76	6.20



2 WIRE — YELLOW VINYL JACKET
VINYL HANDLE — SWITCHLESS

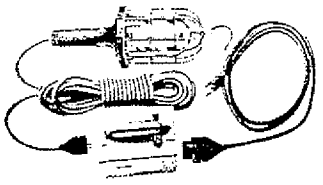
25	20–2/SPT-2	$2.45	$1.95
50	20–2/SPT-2	3.30	2.65



3 WIRE — YELLOW VINYL JACKET
VINYL HANDLE — U GROUND — 2 SIDE OUTLETS

26	18–3/SJTO	$6.90	$5.53
50	18–3/SJTO	10.35	8.29
25	16–3/SJTO	7.60	6.07
50	16–3/SJTO	11.75	9.41

McGILL MINI-POWERPAK LOW VOLTAGE SERVICE LIGHT



Insure safety of low voltage in hazardous areas. Positive protection. . . .converts 120V. A.C. to safe 12V. A.C. lighting. Six foot 3-wire grounded cord to primary. 25' 2-wire cord to lamp. Compact and lightweight power pack, weighs less than 6 lbs. Heavy duty construction. Transformer tests at 2600V between windings and ground.

Moisture resistant, potted and sealed components; covered and moisture-protected Twist-Lok cord connections for added safety. Fuse-protected against shorting. Power-on indicating light. Damaged cords, lamp guards, Mini-Powerpak can be replaced quickly. Available with any McGill portable lamp guard.

Cat. No.	Description	Price Each
5329–7000	Unit w/power cord, Mini-Powerpac and No. 7000 handle w/o reflector	$66.52
5329–7010	Unit w/power cord, Mini-Powerpac and No. 7000R handle w/reflector	66.89
5329–3005	Unit w/power cord, Mini-Powerpac and vapor-proof portable	78.65
5329–0001	Mini-Powerpac only	47.92
5329–0002	6' primary cord w/Twist-Lok Plug	6.88
5329–0003	25' secondary cord w/Twist-Lok Plug	5.29
6461	75W. low-voltage bulb	3.01

Rubber insulated guards available for all portables.

COPPER PREPARED POWER SUPPLY CORDSETS



One end trimmed with molded male plug, with the other end having the conductors exposed and stripped for easy termination.

No. Conductors	Size AWG	UL Type	Length Retracted Inches	Length Extended Feet	Wt. Lbs. Cord
2	18	SVO	18	7½	.5
3	18	SVO	18	7½	.6
2	18	SJO	18	7½	.8
3	18	SJO	18	7½	1.0
2	16	SJO	18	7½	.9
3	16	SJO	18	7½	1.4

COPPER MINIATURE CORDS

24" retracted: approx. 10' extended; 6" straight ends. Conductor: 28 AWG (19x40 strands). Not listed by U.L.

No. Conductors	Cord O.D. In.	Coil O.D. In.	Jacket Material	Max. Work. Volt.	Rating Amps.	Wt. Lbs. Cord
2	135	½	Plastic	100	½	.2
3*	...	...	...	...	...	...
4	150	½	Plastic	100	½	.3

*Use 4 conductors and cut 1 leg dead for 3 conductor use.

COPPER TEST LEADS

24" retracted; approx. 10' extended. Conductor: 20 AWG (41x36 strands). Not listed by U.L.

No. Conductors	Cord O.D. In.	Coil O.D. In.	Maximum Working Voltage	Rating Amps.	Wt. Lbs. Cord
1*	.165	¾	1000	4	.2
1*	.165	¾	1000	4	.2

*Rubber jacket.

Price on Application

HUBBELL CIRCUIT GUARDS

GROUND FAULT CIRCUIT INTERRUPTERS

A safety grounding device to protect people and equipment against line-to-ground faults that are less than the rating of conventional overcurrent devices. The Circuit Guard extends protection against line-to-ground faults far beyond the limits of conventional 3-wire grounding systems. It does so by limiting to low levels of magnitude and duration any fault currents to ground caused by accidental contact with energized parts of electrical equipment.

CIRCUIT GUARD MODELS FOR OUTDOOR INSTALLATIONS



Models GFA-300, GFA-325, GFA-330 and GFB-320 are housed in rugged raintight enclosures for outdoor installation. All models except GFB-320 are Class A, Group I, for general use ground fault protection and for swimming pool equipment installed in accordance with the 1965 NEC. Model GFB-320 is Class B, Group 1 type and may be used with underwater lights in pools built prior to, or not in compliance with the 1965 NEC which requires less sensitive equipment.

Cat. No.	Rating	Sensitivity	Each
GFA-300	15A, 120V	5ma	$116.80
GFA-325	20A, 120V	5ma	120.80
GFA-330	30A, 120V	5ma	122.40
GFB-320	20A, 120V	20ma	119.45

CIRCUIT GUARD MODELS FOR INDOOR INSTALLATIONS



Models GFA-100, GFA-125, GFA-130 and GFB-120 are designed for mounting indoors or in areas not exposed to weather. All models except GFB-120 are Class A, Group 1 for general use ground fault protection and for swimming pool equipment installed in accordance with the 1965 NEC. Model GFB-120 is Class B, Group 1 type and may be used with underwater lights in pools built prior to, or not in compliance with the 1965 NEC which requires less sensitive equipment.

Cat. No.	Rating	Sensitivity	Each
GFA-100	15A, 120V	5ma	$100.00
GFA-125	20A, 120V	5ma	104.00
GFA-130	30A, 120V	5ma	105.60
GFB-120	20A, 120V	20ma	205.30

CIRCUIT GUARD MODELS FOR 240 VOLT PROTECTION

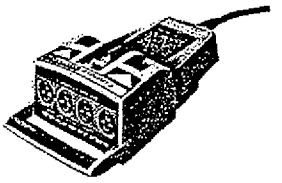
These units protect the entire load center, providing protection to all branch circuits fed from the Circuit Guard unit. They protect single phase combinations of 120/240, 3 and 4 wire systems or 2 wire systems derived from these systems.

In the event of a fault to ground, Circuit Guard cuts off power to the entire load center. GFI-133 153 are for indoor installation. GFI-333 &353for outdoor installation.

Cat. No.	Rating	Sensitivity	Each
GFI-133	30A, 120/240V	5ma	$153.32
GFI-333	30A, 120/240V	5ma	169.32
GFI-153	50A, 120/240V	50ma	250.00
GFI-353	50A, 120/240V	50ma	271.00

HUBBELL CIRCUIT GUARDS

CIRCUIT GUARD PORTABLE MODELS



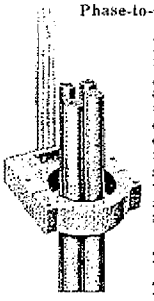
Light weight, compact size, fast reliable response to fault currents are outstanding advantages of portable Circuit Guard ground fault interrupters. Models weigh only 5½ lbs. and measure 4" x 7⅝" x 13". Protect up to four pieces of portable electrical equipment from one unit.

Cat. No.	Rating	Sensitivity	Each
GFP-200	15A. 210V	6ma	$122.68
GFP-220	20A. 120V	5ma	129.28
*GFP-201	15A. 120V	5ma	139.40
*GFP-221	20A. 120V	5ma	144.80

* Units have no voltage release feature.

O.Z. HI-Z GROUND FAULT SENSOR*

Phase-to-Ground Fault Relay



A device to reduce the possibility of fires of electrical origin. It senses when phase to ground fault currents flow in an electrical distribution system, then emits a signal to a circuit interrupting device. It consists of a current-sensing toroid core combined with a solid state relay with protective features to reduce nuisance tripping and damage to the device.

The unit requires a 120 volt AC source and has an output which will actuate a 120 volt AC circuit breaker shunt trip when phase to ground current in excess of its fault current trip rating flows in the distribution system.

Cat. No.	Core I.D. Inches	Each**	Cat. No.	Core I.D. Inches	Each**
Z10	1⅝	$120.00	Z40	5¼	$150.00
Z20	3	130.00	Z60	7⅝	160.00
Z30	4¼	140.00	.....	.....	.....

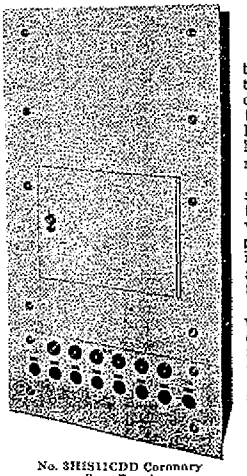
**For Time Delay

Time Delay Dash No.	Time Delay in Cycles	Price Adder	Time Delay Dash No.	Time Delay in Cycles	Price Adder
-TD6	6	$ 66.00	-TD18	18	$66.00
-TD12	12	66.00	-TD24	24	66.00

*Pat. Pend.

SORGEL HOSPITAL ISOLATING PANELS

Coronary Care — Operating Rooms — Intensive Care — Portable X-Ray



No. 3HS11CDD Coronary Care Panel

The Sorgel Isolating Panel eliminates the difficulty in coordinating an effective isolated distribution system for hospital operating rooms.

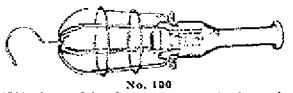
This is a modular system that is factory engineered, wired, and tested to provide the ultimate in safety, reliability, and ease of installation.

Designed for convenient and economical installation by the electrical contractor.

For complete specifications and prices, contact Graybar.

WOODHEAD "SAFETY YELLOW" ELECTRICAL SPECIALTIES

"SAFETY YELLOW" NEoTEX HANDLE

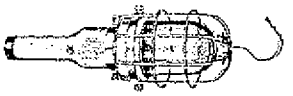


No. 100

PRoTEX Portable Lamps are designed to meet exacting safety requirements. The handle and socket are made of oil-proof synthetic "Safety Yellow" NEoTEX rubber, socket is watertight; guard is made of heavy steel wire, spot-welded at all joints and heavily cadmium-plated to prevent rusting. These lamps include handle, socket and guard with hook, and are supplied with or without reflector.

Watts	Cat. No.	6 Each	30 Each	Cat. No.	6 Each	30 Each
		No Reflector				
60	100	$6.70	$5.86	.....	.....	.....
75—100	102	6.86	6.00	110	$7.14	$6.24
200	103	8.26	7.23	111	8.21	7.19
		With Reflector				
60	104	7.45	6.51	.....	.....	.....
75	106	7.77	6.80	114	7.99	6.99
200	107	9.00	7.87	115	9.00	7.87

Lamps available with Ground Clips, Key Socket, Side Outlets, NEoTEX Covered Guards. Ask us for prices.



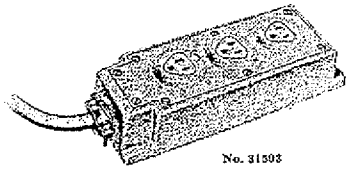
No. 1202

VAPRoTEX Vaporproof Lamps are recommended for illumination purposes in damp areas or in the presence of gases and dust. Heat and impact resistant glass globes and extra heavy guards seal lighting chamber. "Safety Yellow" NEoTEX handle is oil-proof, impervious to greases and most chemicals. Sealing gland in handle seals out gases, dust and moisture. Available with steel wire guards, non-sparking aluminum guards, or insulated steel guards.

Watts	With Steel Wire Guards Cat. No.	2 Each	12 Each	With Non-Sparking Aluminum Guards Cat. No.	2 Each	12 Each
60	*1202	$22.40	$19.60	*1206	$31.89	$27.90
100	*1203	23.92	20.93	*1207	33.15	29.00

*With sealing gland in handle.
Lamps available with Ground Clip and NEoTEX Covered Guards. Ask us for prices.

"SAFETY YELLOW" NEoTEX "MULTI-TAP" OUTLET BOXES



No. 31503

Available with various types of receptacles:

Cat. No.	Description	Each
31550	15A, 125V Parallel "K" Type.....	$15.16
31552	3-Wire 15A, 125V—10A, 250V Crowfoot "Y" Type	16.44
31593	3-Wire 15A, 125V Nema "U" Type	16.16
32708	20A 3-Wire TURNEX	24.27
32550	10A 2-Wire TURNEX "X" Type....	16.16
32553	10A 3-Wire TURNEX "XX" Type..	18.36

Standard package 1; weight 2 lbs. each.

WATERTITE WEATHERPROOF "SAFETY YELLOW" NEoTEX SOCKETS



660 Watts, 600 Volts

Waterproof and non-breakable. May be used under water without injury or short-circuit in socket or lamp. Meets all requirements for outside use. Fits standard sign receptacle cover.

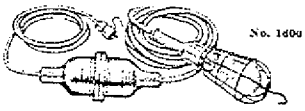
Standard weatherproof shade holder or lamp guard will fit Watertite socket.

Cat. No.	Diam. Cover	Screw Spacing	Carton	Std. Pkg.	Each Bkn. Pkg.	Pkg.
600	.....	.....	10	100	$1.14	$1.00

Leads consist of NEoTEX covered No. 14 stranded wire, 4½" long. Ask us for prices on leads longer than 4½".

SAFEWAY LO-VOLT PORTABLE TRANSFORMER UNIT

Now Furnished in Safety Yellow



No. 1600

The ultimate in portable lighting units where electrical hazards exist due to dampness. A step down transformer is inserted in the line resulting in a low secondary voltage that assures the user of complete safety regardless of moisture conditions. Complete unit is made from "Safety Yellow" NEoTEX compound including transformer cover, handle and plug cap. Oil, grease, most chemicals will not affect the unit. Furnished with "Safety Yellow" cord; available in longer secondary lengths than listed and also available with vaporproof or non-vaporproof handle. Now furnished with carrying handle for added convenience.

Wired Complete with PRoTEX Unit

Cat. No.	Length, Feet Primary	Secondary	Reflector	Wt. Lbs. Each	Each
1600	10	20	no	17	$124.09
1601	10	20	yes	17	124.89

Wired Complete with VAPRoTEX Unit with Steel Guard

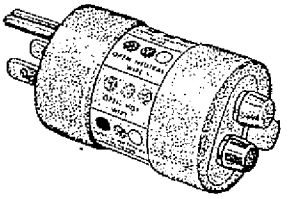
Cat. No.	Length, Feet Primary	Secondary	Sealing Gland	Wt. Lbs. Each	Each
1621	10	20	yes	18	$139.37

Transformer capacity, 75 watts. Voltage: Primary, 110; secondary, 6. 110, 60 cycle; 1 in a standard package.

Low Voltage Lamp (75 Watt A21)

No. 1652 Specify Voltage..... each $1.69

RECEPTACLE CIRCUIT TESTER

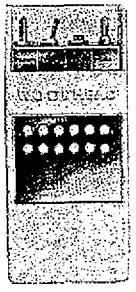


The Woodhead "Safety Yellow" Receptacle Circuit Tester, with a simple arrangement of neon indicator lights (red, yellow and white), provides a convenient means for testing 3 wire, 115 volt A.C. single phase polarized receptacles for proper connection of ground wire, correct polarity, or fault in any of the three wires.

Circuit Tester supplied with U-blade plug. To check other installations, use in combination with Safety Adapters.

Cat. No.	Description	Std. Pkg.	Each Bkn. Pkg.	Pkg.
1750	Receptacle Circuit Tester	10	$9.06	$7.93

BIO-MEDICAL FIELD PROBES HOSPITAL DUTY LINE



Guard against electrical accidents caused by current leakage from ungrounded or improperly grounded electrical equipment, or by static electricity in the operating room or storage areas.

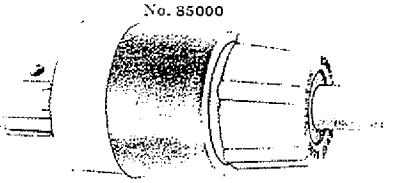
Designed for the use of non-electrical personnel to check electric and electronic equipment before use with a patient. An audible signal gives a GO/NO—GO indication of possible hazard. Instruction book included.

No.	Description	Each
85200	Field Probe with Circuit Tester . . .	$71.00
85201	Field Probe kit, including Circuit Tester, earphone, carrying case . . .	85.00

HOSPITAL DUTY PLUG CAPS

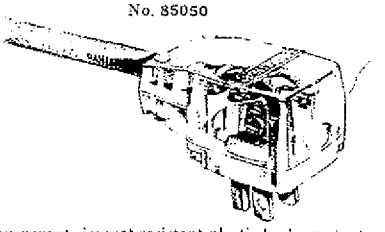
For 15 Amp. 125 Volt grounding service (NEMA U-Blade). Back-wired dead-front design, with additional features especially adapted to hospital electrical safety needs.

No. 85000



Completely insulated. Beige colored rubber cover, other parts white plastic. Compression type cord grip seals out foreign materials, moisture; won't injure hands, cut gloves. Retaining ring holds insert firmly against stress and strain.

No. 85050



Transparent, impact resistant plastic body protects wiring, permits constant visual check of wiring conditions. Adjustable, "right angle" design permits convenient positioning in outlet.

No.	Cts.	Std. Pkg.	Each Less Pkg.	Pkg.
85000	10	50	$2.89	$2.53
85050	10	100	2.43	2.13

No. 4000 SERIES SAFEWAY PENDANT PUSH BUTTON ENCLOSURES



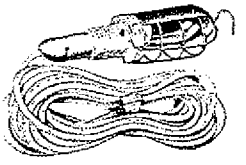
Soft rubber "Safety Yellow" NEoTEX enclosures minimize injuries, prevent damage to equipment and material. Fit all standard makes oil-tight buttons and indicator lights. Furnished with sealing grip and suspension bracket.

Standard package, 1.

Cat. No.	Description	Wt. Lbs.	Each
4002	Two Position	2½	$27.30
4003	Three Position	4	39.12
4004	Four Position	4	46.40
4005	Five Position	5½	60.04
4006	Six Position	5½	71.87

WOODHEAD "SAFETY YELLOW" ELECTRICAL SPECIALTIES

"SAFETY YELLOW" DROP-LITE

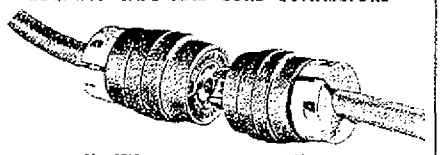


Lightweight yet durable, convenient, safe and economical. Molded nylon handle, PVC cord set with molded plug. New design cage for easy relamping. Two side outlets in handle. With switch. Standard package, 6.

Cat. No.	Description	Each Bkn. Pkg.	Pkg.
402	25' #16-2 SJT cord, two 2-wire 15 A. outlets	$5.81	$5.09
402-3	50' #16-2 SJT cord, two 2-wire 15 A. outlets	7.74	6.77
405	25' #16-3 SJT cord, one 3-wire, one 2-wire 15 A. outlet	8.12	7.10
405-3	50' #16-3 SJT cord, one 3-wire, one 2-wire 15 A. outlet	11.35	9.93

WOODHEAD "SAFETY YELLOW" ELECTRICAL SPECIALTIES

SAFETY YELLOW TURNEX Hi-AMP LOCKING CAPS AND CORD CONNECTORS

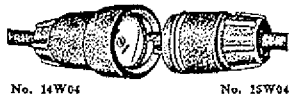


No. 2708 No. 2608

Unbreakable polycarbonate interiors. NEoTEX rubber covers withstand oils, greases. Completely new interior design offers new wiring ease. Unique plastic cord grip clamp does not need grounding, holds any diameter of cable from .405" to .815".

Cat. No.	Description	10 Each	50 Each
	Caps		
2606	2-Wire, 20A. 250V.	$3.00	$2.63
2608	3-Wire, 20A. 125/250V	3.56	3.11
2808	3-Wire, 30A. 250V.	4.12	3.60
2609	4 Wire, 20A. 250V./10A. 600V.	4.93	4.31
2809	4-Wire, 30A. 250/600V.	5.06	4.43
	Connectors		
2706	2-Wire, 20A. 250V.	4.61	4.03
2708	3-Wire, 20A. 125/250V.	5.16	4.51
2908	3-Wire, 30A. 250V.	7.23	6.33
2709	4-Wire, 20A. 250V./10A. 600V.	6.70	5.86
2909	4-Wire, 30A. 250/600V.	9.75	8.53

"SAFETY YELLOW" WATERTITE CAPS AND CONNECTORS



No. 14W04 No. 15W04

Completely new design in weatherproof wiring devices. Oil-proof "Safety Yellow" NEoTEX cover, unbreakable plastic inserts, back-wired for safety. No exposed metal parts. Multiple seal between plug and connector prevents entrance of moisture and dust. Non-corrosive plastic cord grip gives absolute seal around cord. Closure provided with each connector to seal opening when not in use.

Available in both straight blade and locking types.

Cat. No.	Description	10 Each	50 Each
	Straight Blade Type		
	15 Amp. — 125 Volt		
14W04	2-W. Parallel Cap	$2.42	$2.11
15W04	2-W. Parallel Connector	3.72	3.26
14W47	3-W. Parallel U-Blade Cap	2.63	2.30
15W47	3-W. Parallel U-Blade Connec.	4.05	3.54
	10 Amp. 250 Volt/15 Amp. 125 Volt		
14W07	3-W. Crowfoot Cap	2.74	2.40
15W07	3-W. Crowfoot Connector	4.18	3.66
	15 Amp. — 277 Volt		
14W34	3-W. Crowfoot U-Blade Cap	2.79	2.44
15W34	3-W. Crowfoot U-Blade Connector	4.18	3.66
	Locking		
	10 Amp. 250 Volt/15 Amp. 125 Volt		
24W04	2-W. Cap	2.74	2.40
25W04	2-W. Connector	4.05	3.54
24W07	3-W. Cap	3.07	2.69
25W07	3-W. Connector	4.82	4.21
	15 Amp. — 125 Volt		
24W47	3-W. Grd. Cap	3.07	2.69
25W47	3-W. Grd. Connector	4.82	4.21
	15 Amp. — 277 Volt		
24W34	3-W. Grd. Cap	3.07	2.69
25W34	3-W. Grd. Connector	5.05	4.41
	20 Amp. 125/250 Volts		
26W08	3-W. Cap	5.86	5.13
27W08	3-W. Connector	8.59	7.51

No. 3000 SERIES SAFEWAY "SAFETY YELLOW" PORTABLE OUTLET BOXES



NEoTEX box furnished less receptacles. Affords maximum versatility. Wire with any standard 2- or 3-wire 10A., 15A. or 20A. receptacles.

Carton, 1; standard package, 10.

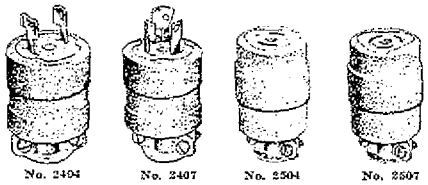
Cat. No.	Description	1 Each	10 Each
3000	For 2 Duplex Receptacles	$7.10	$6.21
3001	For 2 Single Receptacles	7.10	6.21

Also Available Completely Assembled

Cat. No.	Description	Each
301413	Box, 2 dup. recept., 1' #14/3 cord	$13.13
301423	Box, 2 dup. recept., 25' #14/3 cord	23.46

BACK-WIRED TURNEX LOCKING PLUG CAPS AND CONNECTORS

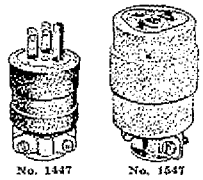
10 Amp. 250 Volt/15 Amp. 125 Volt



No. 2404 No. 2407 No. 2504 No. 2507

Back-wired convenience, dead-front safety. Oil-proof "Safety Yellow" NEoTEX cover, unbreakable polycarbonate insert. Molded-in cord grip does not require grounding.

Cat. No.	Description	10 Each	60 Each
2404	2-Wire Cap	$1.73	$1.51
2504	2-Wire Connector	2.19	1.91
2407	3-Wire Cap	2.09	1.83
2507	3-Wire Connector	3.00	2.63
2447	3-Wire Grd. Cap	2.09	1.83
2547	3-Wire Grd. Connector	3.00	2.63

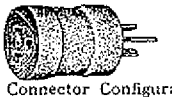


No. 1447 No. 1547

Cat. No.	Description	10 Each	100 Each
	15 Amp. — 125 Volt 2-Wire Parallel Blades		
1400	Cap	$1.03	$0.90
1500	Connector	1.37	1.20
1404*	Parallel Cap	1.37	1.20
1504*	Parallel Connector	1.83	1.60
1419*	Polarized Cap	1.63	1.43
	15 Amp. — 250 Volt 2-Wire Tandem Blades		
1405*	Cap	1.63	1.43
	10 Amp. 250 Volt/15 Amp. 125 Volt 3-Wire		
1403	Crowfoot Cap	1.27	1.11
1503	Crowfoot Connector	1.80	1.57
1407*	Crowfoot Cap	1.73	1.51
1507*	Crowfoot Connector	2.30	2.01
	Grounding Types		
	15 Amp. — 125 Volt Parallel Blades		
1447*	U-Blade Cap	1.63	1.43
1547*	U-Blade Connector	2.19	1.91
	15 Amp. — 250 Volt Tandem Blades		
1449*	U-Blade Cap	2.02	1.77
1549*	U-Blade Connector	2.53	2.21
	20 Amp. — 125 Volt T-Polarity Blades		
1433*	U-Blade Cap	1.27	1.11
1533*	U-Blade Connector	2.53	2.21

*With cord grip.

SAFEWAY INDUSTRIAL DUTY ADAPTER

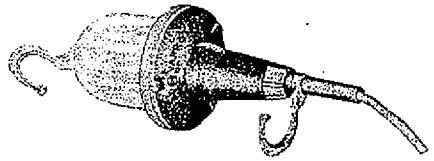


Makes it convenient to use power tools with NEMA U-blade plug caps no matter what outlet is available.

Connector Configuration: U-Blade No. 1547.

Plug Cap Configuration	Cat. No.	1 Each	10 Each
2W Parallel, No. 1404 (grdg. lead)	1701	$4.23	$3.70
3W Crowfoot, No. 1407	1702	4.23	3.70
3W Turnex, No. 2407	1704	4.59	4.01
3W Turnex (grounding) No. 2447	1705	4.59	4.01

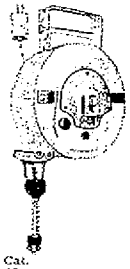
"SAFETY YELLOW" VAPORPROOF HAND LAMP



Lightweight — only 2 lbs. Globe (100W.) of shatterproof DuPont Teflon is cooler to touch, resists acids and chemicals. Handle of impact resistant fiberglas, non-metallic, non-conductive. Completely insulated; no grounding necessary.

Carton 2, standard package 12.

No.	Description	Ctn.	Std. Pkg.	Each Less Pkg.	Each Pkg.
1220	Vaporproof Hand Lamp	2	12	$27.90	$27.41
1223	No. 1220 w/25' #16/2	2	12	37.82	33.09
1224	No. 1220 w/35' #16/2	2	12	40.12	35.10
1225	No. 1220 w/50' #16/2	2	12	43.57	38.12



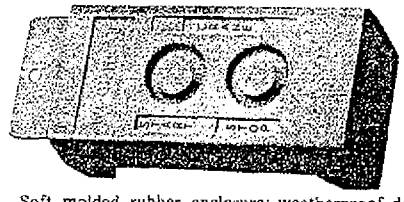
INDUSTRIAL DUTY ELECTRIC CORD REEL

Simple to install, plugs into nearest convenience outlet. Maintenance-free, long life, safe. Provide out-of-the-way storage for drop cord lighting installations in many industrial locations. Heavy duty design and construction will provide years of dependable trouble-free service. Rating: 250 Volts—10 Amperes.

Cat. No.	Cord Reel with*	Std. Pkg.	Std. Pkg. Wt.	Each
925-3	20' #16/3 SJY cord grounded	1	10	$69.50
945-3	35' #16/3 SJY cord grounded	1	13	79.50

*Does not include hand lamps.

"SAFETY YELLOW" ALL RUBBER PENDANT PUSH BUTTON STATIONS



Soft molded rubber enclosure; weatherproof design seals out moisture, etc. Switches are momentary contact type, and are completely sealed in plastic. Wire clamps for wiring ease. No buttons required, switch activated by pressure on enclosure face. Legend plates provided.

No.	Description	Dim., In. Wdth.	Dpth.	Lgth.	Wt., Lb.	Each
4022	2-Button	3	2-1/2	5-3/4	1-3/4	$27.00
4024	4-Button	3	2-1/2	9	2-3/4	54.00
4026	6-Button	3	2-1/2	12-3/8	3-1/2	81.00

WOODHEAD "SAFETY YELLOW" CORD SETS

WITH SAFEWAY OR TURNEX CAPS AND CONNECTORS

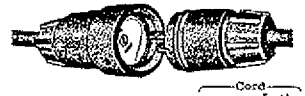


Heavy-duty extension cords, with back-wired safeway or turnex caps and connectors.

Cat. No.	Rating	Cord Size	Cord Lgth. Ft.	Each
	Two Wires			
140622	15A-125V	16/2	25	$10.23
140652	15A-125V	16/2	50	15.27
	Three Wires			
147623*	15A-125V, Grd.	16/3	25	12.54
147653*	15A-125V, Grd.	16/3	50	19.40
240623†	10A-250V/15A-125V	16/3	25	13.61
240653†	10A-250V/15A-125V	16/3	50	20.47
268423†	20A-125V/250V	14/3	25	20.54
268453†	20A-125V/250V	14/3	50	31.30

*U Blade. †Locking.

WITH WATERTITE CAPS AND CONNECTORS



Cat. No.	Rating	Cord Size	Cord Lgth. Ft.	Each
	Two Wires			
340622	15A-125V	16/2	25	$12.67
340652	15A-125V	16/2	50	17.71
	Three Wires			
347623	15A-125V, Grd.	16/3	25	14.94
347653	15A-125V, Grd.	16/3	50	21.80
440623†	10A-250V/15A-125V	16/3	25	15.94
440653†	10A-250V/15A-125V	16/3	50	22.80
468423†	20A-125V/250V	14/3	25	25.33
468453†	20A-125V/250V	14/3	50	36.09

†Locking.

TOTAL GRAYBAR LIGHTING

1. For good distribution of light, distance between outside rows of fixtures and walls should not be more than half the space between rows of fixtures.

2. Ends of fixture rows should come within 1 or 2 feet of walls.

3. Fixtures should not be placed farther apart than their mounting height for uniform light. Closer spacing will result in better distribution of light and fewer shadows.

4. For best visual comfort in offices and schools, fixtures should be installed with luminous sides so that workers can see fixture ends in main viewing direction instead of sides.

5. Properly designed metal-sided fixtures with good end shielding can be installed in most any direction.

6. Recessed troffers and industrial fluorescent fixtures without louvers are most comfortable viewed from the sides.

7. Maintained light is important . . . lighting maintenance means adequate lighting for the entire installation. Scheduled fixture cleaning and relamping is important.

8. Wall colors and environmental effects should be included in your plans for effective, pleasant and comfortable lighting.

GRAYBAR OFFERS TOTAL LIGHTING

Well balanced lighting for every application is available from Graybar . . . from the most minute tasks to illuminating building facades and sports areas. Good lighting improves efficiency, eliminates many accidents and errors . . . aids security and accentuates the value and beauty of materials. Graybar can supply TOTAL LIGHTING for all applications . . . industrial, stores, schools, home . . . in explosive areas or vapor conditions . . . anywhere lighting is needed.

HOW MUCH LIGHT IS NEEDED?

The following is a listing of the current IES minimum requirements. If needed, please ask your local Graybar office for a more comprehensive listing of recommended illumination levels.

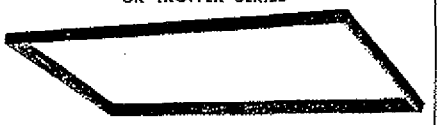
INDUSTRIAL AREAS	Recommended Minimum Footcandles
ASSEMBLY	
Rough easy seeing	30
Rough difficult seeing	50
Medium	100
Fine	500
Extra fine	1000
CLOTH PRODUCTS	
Cloth inspection	2000*
Cutting	300*
Sewing	500*
Pressing	300*
INSPECTION	
Ordinary	50
Difficult	100
Highly difficult	200*
Very difficult	500*
Most difficult	1000*
MACHINE SHOPS	
Rough bench and machine work	50
Medium bench and machine work	100
Fine bench and machine work	500*
Extra fine bench and machine work	1000*
SHEET METAL SHOPS	
Ordinary bench work, presses, shears, stamps	50
Scribing, inspecting	200
SHIPYARDS	
General	5
Fabricating areas	30
SHOE MANUFACTURING	
Cutting, stitching	300*
Making and finishing	200
Sole rolling, lining	100
STORAGE AREAS (Indoors)	
Active	
Rough bulky	30
Medium	50
Fine	100
Inactive	10
STORAGE YARDS (Outdoors)	
Active	20
Inactive	1
WOODWORKING	
Rough sawing and bench work	50
Sizing, planing, rough sanding, glueing	100
Fine bench and machine work, fine sanding, finishing	200
RECREATION AREAS	
BASEBALL FIELDS (Municipal, recreational)	
Infield	20
Outfield	10
FOOTBALL FIELDS	
Seating capacity under 5000; max. viewing distance 30 feet from sidelines	20
Practice	10
SWIMMING POOLS	
Deck and pool	20

*Often obtained with a combination of general lighting plus specialized supplementary lighting.

OUTDOOR AREAS	Recommended Minimum Footcandles
BUILDING EXTERIORS (In bright surroundings)	
Light surfaces	15
Medium dark surfaces	30
Dark surfaces	50
GENERAL BUILDING CONSTRUCTION (Work lighting)	20
GASOLINE SERVICE STATIONS (Entrance drives)	10
LOADING AND UNLOADING PLATFORMS, FREIGHT DOCKS	20
PARKING AREAS	
Self-parking	1
Attendant-parking	2
Shopping centers (customer attraction device)	5
TRANSPORTATION — TERMINAL AND STATION AREAS	
Ticket offices, counters, general	100
Waiting rooms, rest rooms	30
Baggage checking	50
Storage	20
Platforms	20
COMMERCIAL AREAS	
LIBRARIES, reading rooms	70
OFFICES	
General — regular office work	100
Bookkeeping, accounting	150
Drafting	200
Corridors, escalators, elevators, stairways	20
PUBLIC BUILDINGS (Banks)	
Lobby, general	50
Lobby, writing areas	70
Tellers' stations	150
Posting and keypunching	150
SCHOOLS	
Regular classroom work	70
Sightsaving, lipreading classrooms	150
Shops, drafting rooms	100
STORES (Merchandise areas)	
Service	100
Self-service	200
STORES (Feature displays)	
Service	500
Self-service	1000
STORES (Showcases and wallcases)	
Service	200
Self-service	500
SHOW WINDOWS (Daytime)	
General	200
Feature	1000

BENJAMIN LIGHTING EQUIPMENT

GR TROFFER SERIES



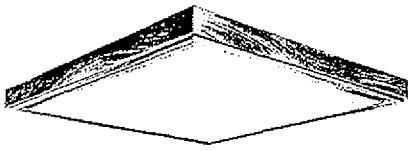
The GR troffer series has risen in popularity throughout the United States. For lay-in grid ceiling application, overall height, 5½". A walnut trim extends below the ceiling level adding a new dimension to grid troffer appearance. Uses Class P ballasts.

Catalog Numbers: L-235 Styrene Lens	½" Cube Styrene Louver	Lamps	Size, Ft.	Each
GR-2724-4	GR-4124-4	2-40W. RS	1x4	$24.80
GR-6744-4	GR-9144-4	4-40W. RS	2x4	41.35
GR-6742-2	GR-9142-2	2-20W. TS	2x2	44.70

Walnut Surface Trim Assemblies

No. GWA-24	For 2x4 Grid	18.15
No. GWA-22	For 2x2 Grid	15.10

CLIPPER-CORDOVA 4X4 SERIES



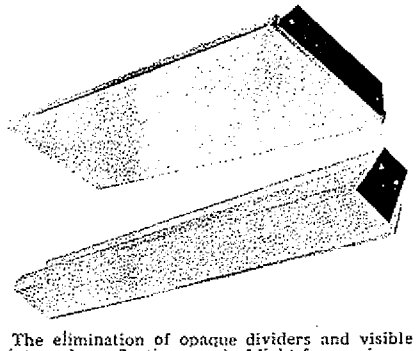
Clipper modular units can be surface mounted, suspended or recessed as grid troffers without alterations.

Cordova with its walnut trim and anodized gold or aluminum trim affords ideal surface or suspended units.

The Clipper and Cordova's use of a regressed lens position affords a soft, glowing "light frame" effect which highlights modern architecture. Use Class P ballasts.

Type	Cat. No.	Lamps	Each
	Opal Drop-Dish Acrylic Lens		
Clipper	CM-27464-4	6-40W. RS	$121.15
Cordova w/brass trim	CO-27484-4	8-40W. RS	175.30
	K-15 Styrene Lens		
Clipper	CM-27764-4	6-40W. RS	103.10
Clipper	CM-27784-4	8-40W. RS	112.95
Cordova	CO-27764-4	6-40W. RS	147.50
w/brass trim	CO-27784-4	8-40W. RS	157.25

CALUMET SERIES



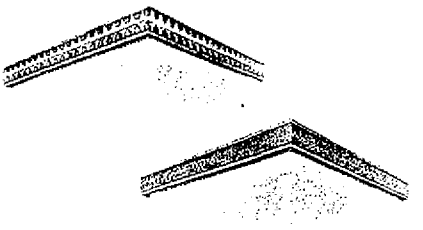
The elimination of opaque dividers and visible joints makes a floating panel of light for maximum illumination. Exclusive reversible end caps in black or white furnished with fixture. Uses Class P ballasts.

Cat. No.	Lamps	Lgth. Ft.	Each
	Polystyrene Lens		
CD-2114-4	1-40W. RS	4	$19.65
CD-2114-8	1-40W. RS Tandem	8	31.30
CD-2124-4	2-40W. RS	4	21.15
CD-2124-8	2-40W. RS Tandem	8	41.75
CD-7124-4	2-40W. RS Wide	4	29.30
CD-7144-4	4-40W. RS	4	37.90
	Acrylic Lens		
CD-2214-4	1-40W. RS	4	24.30
CD-2214-8	1-40W. RS Tandem	8	40.60
CD-2224-4	2-40W. RS	4	26.40
CD-2224-8	2-40W. RS Tandem	8	52.20
CD-7224-4	2-40W. RS Wide	4	36.00
CD-7244-4	4-40W. RS	4	44.55

Note: 2- and 4-lamp units approved for low density ceiling mounting.

U-LUME

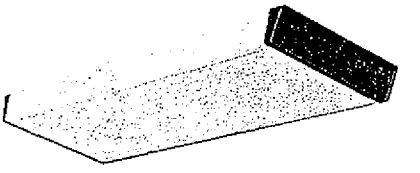
2x2 Modular for 40W. RS U-Tube



Exciting new idea in modulars. Features new soft suede gold or brown finishes (also standard white). Concealed pressure latches . . . adjustable sockets for any lamp. Exclusive Holophane Controlens. Units supplied complete with lamps.

Cat. No.	Lamps	Color	Length Feet	Each
CJA-5524-2	2-40RS-U	Gold	2	$57.40
CJC-5524-2	2-40RS-U	Brown	2	57.40
CJE-5524-2	2-40RS-U	White	2	54.85
CJA-5534-2	3-40RS-U	Gold	2	69.35
CJC-5534-2	3-40RS-U	Brown	2	69.35
CJE-5534-2	3-40RS-U	White	2	66.85

CATALINA SERIES



The simplicity and clean lines of this distinctive lighting series have gained Catalina wide acceptance. Because of superior design, Catalina has remained the unequalled quality standard for lighting. Available with the contemporary flair of black end caps. Used Class P ballasts.

Catalog Numbers*: L-120 Styrene Lens	½" Cube Styrene Louver	Lamps	Lgth. Ft.	Each
CT-2124-4X	CT-4124-4X	2-40W. RS	4	$26.75
CT-2124-8X	CT-4124-8X	2-40W. RS†	8	53.45
CT-2144-4X	CT-4144-4X	4-40W. RS	4	39.35

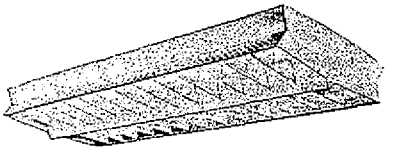
*Less end caps — order separately.
†Tandem.

End Caps

No. CT-20	For 2-lamp (Pr.)	1.50
No. CT-40	For 4-lamp (Pr.)	1.70

VERSATRON SERIES

For Individual or Continuous Mounting

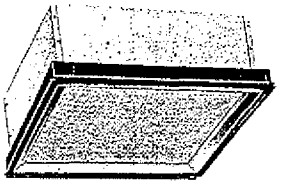


This unique new line was designed primarily to meet today's requirements for classroom illumination. Available in 35"x25" or 40"x45" shielding with a choice of steel, plastic or new illuminated type, perforated side panels. Uses Class P ballasts.

No. of Lamps	Lgth., Ft.	Shielding	Cat. No.	Each
		Steel Sides		
2-40RS	4	35°x25°	CXM-3524-4	$18.85
4-40RS	4	35°x25°	CXM-3544-4	34.25
2-40RS	4	40°x45°	CXM-4524-4	22.20
2-40RS*	8	40°x45°	CXM-4524-8	44.35

RECESSED MAGNUM

2x2 175 to 400 W. Commercial Mercury



A practical new solution for recessed lighting. 400 W. unit, self contained ballast. Floating door construction, tempered prismatic glass and patented heat removal design, only 12" overall depth.

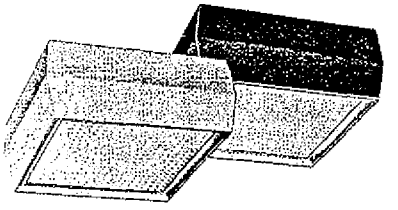
Grid Construction — Prismatic Glass

Cat. No.*	Description	Each
DA-73176-120V.	175 W. Metal Halide	$250.00
DA-73250-120V.	250 W. Mercury-Vapor	250.00
DA-73400-120V.	400 W. Mercury-Vapor	262.00
DA-73401-120V.	400 W. Metal Halide	262.00

*277 V. also available, change 120 V. suffix to 277V.

MAGNUM

400W. Commercial Mercury

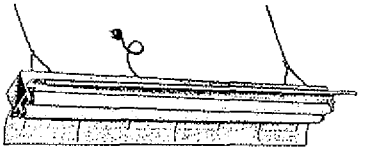


New idea in commercial lighting, to take advantage of mercury lamp benefits. All porcelain exterior in charcoal, sandstone or white. 45° aluminum louver. Auxiliary quartz light standby system available. Dimensions 23" x 23" x 10". Surface or suspended.

Cat. No.	Lamp	Color	Each
DS-42400-120V	1-400W	Charcoal	$119.70
DR-42400-120V	1-400W	White	119.70
DT-42400-120V	1-400W	Sandstone	119.70
DSQ-42400-120V	1-400W†	Charcoal	139.65
DRQ-42400-120V	1-400W†	White	139.65
DTQ-42400-120V	1-400W†	Sandstone	139.65

†Complete with 250W. Quartz lamp supplied.

ALL-PURPOSE INDUSTRIAL SERIES



All-white baked enamel. Ribbed snap-on reflectors. 12½" wide baked paint reflectors. Uses Class P ballasts.

Cat. No.	Description	Each
FK-1124-4	2-lamp 40W. RS, HPF — CBM-ETL ballast	$13.10
FKC-1124-4	Same as No. FK-1124-4 wired with 30" cord and plug, plus chain hangers	15.60
FK-1121-8	2-lamp 96" Slimline, UL ballast	20.75

"EXO" EXIT LIGHTS



The modern, thin design of EXO units makes possible surface type installation instead of recessed units; while the universal cast bracket hanger allows any unit to be suspended or end mounted, as required. The units are finished in aluminum baked enamel. Acrylic face.

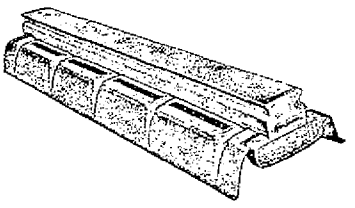
Cat. No. Single Face Complete	Each	Cat. No. Double Face Complete	Each	Arrows
		Red Letters*		
EXO-135-N	$14.70	EXO-235-N	$24.00	None
EXO-135-R	14.70	EXO-235-RL	24.00	Right
EXO-135-L	14.70	EXO-235-RL	24.00	Left
EXO-135-D	14.70	EXO-235-D	24.00	Double

Accessories

No. EXO-1	Cast Bracket Hanger for Top or End Mounting	Each $1.85

*For Green Letters, change number 5 to 6 in catalog number for same price.

LITE-LINE INDUSTRIAL SERIES

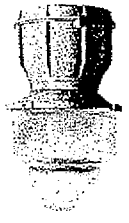


One-piece reflectors feature double embossing for extra strength. New twist-lock reflector thumb latch. Porcelain enamel reflector is finished in double coat porcelain enamel. Uses Class P ballast.

Cat. No.†	Lamps	Lgth.	Each
10% Upward Component Units*			
FL-1024-4U	2-40W. RS	4'2½"	$26.40
FL-1024-8U	2-40W. RS	8'4⅝"	50.85
FL-1034-4U	3-40W. RS	4'2½"	38.05
FL-1034-8U	3-40W. RS	8'4⅝"	67.95
25% Upward Component Units			
FL-2024-4U	2-40W. RS	4'2½"	27.90
FL-2024-8U	2-40W. RS	8'4⅝"	53.95
10% Upward Component Units*			
FL-1025-4U	2-800ma RS	4'⅜"	38.05
FL-1025-8U	2-800ma RS	8'⅜"	45.65
FL-1035-4U	3-800ma RS	4'⅜"	60.05
FL-1035-8U	3-800ma RS	8'⅜"	69.10
25% Upward Component Units			
FL-2025-4U	2-800ma RS	4'⅜"	44.20
FL-2025-8U	2-800ma RS	8'⅜"	49.75

†Specify length of row by suffixing catalog number with nominal row length.
*Solid top reflectors available on request.

MERCURY VAPOLETS



400 w. unit



100-250 w. unit

A complete new line of die-cast Mercury Vapolets finished in durable Epoxy-Acrylic green enamel. Prismatic tempered globes, tamper proof guard and a selection of four mounting arrangements make this series of 100 to 400 watt units the most flexible available.

Cat. No.	Ballast	Mounting	Each
100 WATT UNITS COMPLETE — NPF-120V*			
IJ-100-120	100w-NPF	Pendant	$ 62.60
IK-100-120	100w-NPF	Ceiling	64.50
IL-100-120	100w-NPF	Wall	66.40
IS-100-120	100w-NPF	Stanchion	73.50
175 WATT UNITS COMPLETE — HPF-120V*			
IHJ-175-120	175w-HPF	Pendant	108.80
IHK-175-120	175w-HPF	Ceiling	110.30
IHL-175-120	175w-HPF	Wall	112.00
IHS-175-120	175w-HPF	Stanchion	119.60
250 WATT UNITS COMPLETE — HPF-120V*			
IHJ-250-120	250w-HPF	Pendant	117.00
IHK-250-120	250w-HPF	Ceiling	118.40
IHL-250-120	250w-HPF	Wall	120.00
IHS-250-120	250w-HPF	Stanchion	127.50
400 WATT UNITS COMPLETE — HPF-120V*			
IHJ-400-120	400w-HPF	Pendant	139.40
IHK-400-120	400w-HPF	Ceiling	141.00
IHL-400-120	400w-HPF	Wall	143.30
IHS-400-120	400w-HPF	Stanchion	150.40
100 WATT UNITS COMPLETE WITH DOME REFLECTOR — HPF-120V*			
IHJ-100-120D	130w-HPF	Pendant	110.60
IHK-100-120D	130w-HPF	Ceiling	112.50
IHL-100-120D	130w-HPF	Wall	114.00
IHS-100-120D	130w-HPF	Stanchion	121.50
175 WATT UNITS COMPLETE WITH DOME REFLECTOR — HPF-120V*			
IHJ-175-120D	175w-HPF	Pendant	120.80
IHK-175-120D	175w-HPF	Ceiling	122.30
IHL-175-120D	175w-HPF	Wall	124.00
IHS-175-120D	175w-HPF	Stanchion	131.90
400 WATT UNITS COMPLETE WITH DOME REFLECTOR — HPF-120V*			
IHJ-400-120D	400w-HPF	Pendant	158.00
IHK-400-120D	400w-HPF	Ceiling	159.00
IHS-400-120D	400w-HPF	Stanchion	169.20

*Also available for 208V, 240V, 277V, and 480V in selected wattages.

MINI-MERC 100 MERCURY VAPOR UNITS



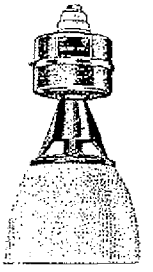
Mini-MERC is the quickest, easiest way to convert existing incandescent lighting into modern, efficient mercury-vapor lighting without rewiring.

No costly rewiring. Units are completely pre-wired. Mini-MERC doubles the light output while outlasting incandescent lighting by 20 times. Both power-pack and the six optional reflectors are finished in lifetime porcelain. Uses 100 watt mogul base lamp.

Cat. No.	Type Reflector	Dia., In.	Each
HP-1642	Dome	14	$27.75
HPV-1642	Dome Vented	14	27.75
HP-1423	Shallow Dome	14	27.75
HP-1169	Deep Bowl	10	27.45
HP-1546	Symmetrical Angle	12	28.00
HP-1526	Elliptical Angle	....	29.45

Note: Units are shipped in consisting parts: power-pack, reflector and socket.

MINI-MERC 175 MERCURY VAPOR UNITS



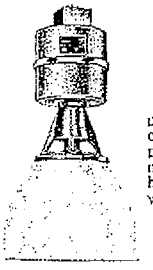
Epoxy-Acrylic
Avocado Green Finish

Mini-MERC for low-bay applications gives twice as much illumination as one 200 watt incandescent.

Installation is a snap with exclusive Turnlox positive, bayonet type disconnect. Conversion from incandescent lighting is as simple as 1,2,3. Uses 175 watt mogul base lamp.

Cat. No.	Ballast	Dia., In.	Reflector	Each
Standard Units (Complete Less Hood)				
HP-21-V490	NPF	12	Porcelain	$34.95
HPH-21-V490	HPF	12	Porcelain	52.45
Deluxe Units — Upward Component (Complete Less Hood)				
HPH-21-V495	HPF	12	Porcelain	56.35
HPH-21-V496	HPF	12	Aluminum	62.45

MAXI-MERC 400 MERCURY VAPOR UNITS

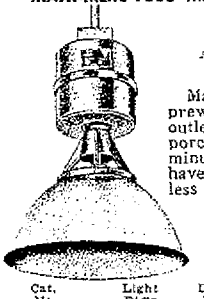


Epoxy-Acrylic
Avocado Green Finish

Maxi-MERCs are completely prewired from receptacle to outlet box and feature lifetime porcelain or anodized aluminum reflectors. All reflectors have three point twist-latch with safety lock.

Cat. No.	Light Distr.	Dia., In.	Reflector	Each
Maxi-Merc 400 For Lo-Bay Applications				
HP-474-120	Spread	16	Spec. Alum.	$74.60
HP-475-120	Spread	16	Porcelain	66.70
HP-476-120	Spread	16	Diff. Alum.	72.15

MAXI-MERC 1000 MERCURY VAPOR UNITS



Epoxy-Acrylic
Avocado Green Finish

Maxi-MERCs are completely prewired from receptacle to outlet box and feature lifetime porcelain or anodized aluminum reflectors. All reflectors have three quick-connect, stainless steel mounting clips.

Cat. No.	Light Distr.	Dia., In.	Reflector	Each
Maxi-Merc 1000 For Hi-Bay Applications				
HP-1320-120	Spread	24	Porcelain	$100.50
HP-1418-120	Med. Sp.	24	Diff. Alum.	113.05
HP-1419-120	Narrow	24	Spec. Alum.	119.65

CASCADE ENCLOSED AND GASKETED SERIES



Enclosed and gasketed units designed for use in the food processing industry, parking garages, under canopys, etc. Housing is special Alclad corrosion-resistant aluminum. Diffuser is Acrylic with synthetic sealing gasket. Units have a special slot and hook latch. 110-125 volts. Uses standard Class P ballasts but low temperature ballasts are available on request.

Cat. No.	Lamps	Lgth. Ft.	Each
Baked White Enamel Steel Housing			
FE-1524-4	2-40W. RS	4	$38.20
FE-1525-4	2-48"-800ma	4	51.10
FE-1525-8	2-96"-800ma	8	69.60
FE-1526-4	2-48"-1500ma	4	62.80
FE-1526-8	2-96"-1500ma	8	100.00
Alclad Aluminum Housing			
FE-1724-4	2-40W. RS	4	41.50
FE-1725-4	2-48"-800ma	4	54.50
FE-1725-8	2-96"-800ma	8	77.15
FE-1726-4	2-48"-1500ma	4	66.05
FE-1726-8	2-96" 1500ma	8	107.60

STREAM-FLO FIBERGLASS SERIES



This unit offers a unique concept in lighting design. The all fiberglass and acrylic enclosed unit leaves no possibility for metal parts to corrode. The latches and hinges of this unit provide a completely corrosion free exterior. Uses Class P ballasts.

Cat. No.	Lamps	Lgth. Ft.	Each
Clear Prismatic Lens			
FA-1214-4	1-40W. RS	4	$37.65
FA-1224-4	2-40W. RS	4	40.15
White Acrylic Lens			
FA-1314-4	1-40W. RS	4	37.65
FA-1324-4	2-40W. RS	4	40.15

Accessories

No. FA-3 Coupler Kit for Row Mounting .85
No. FA-111 Chain Hanger Kit (chain not included) 1.70

TURNLOX REFLECTOR UNITS

Listed by Underwriters' Laboratories, Inc.

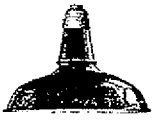


TURNLOX construction allows the reflector and lampholder assembly to be removed from hood by only a quarter turn and taken down as a unit for servicing on the floor. Any TURNLOX hood will take any medium or mogul base reflector assembly. Rigid, porcelain lampholder.

Reflectors are porcelain enamel steel: white outside, reflecting white inside. Pendent hoods are tapped ½" I.P. size; ceiling hoods fit 3¼" or 4" octagonal outlet boxes.

New All White Porcelain Finish

DOME



BOWL



Catalog Numbers Pendent	Ceiling	Lamp Watts	Dia. In.	Std. Pkg.	Each
Vented Dome Units					
V-7641	V-9641	100	12	10	$7.45
V-7642	V-9642	150–200	14	10	8.10
V-7643	V-9643	200–300	16	10	8.60
V-7644	V-9644	300–500	18	5	10.85
V-7645	V-9645	750–1000	20	5	14.05
Bowl Units					
7161	9161	100	8	10	6.95
7169	9169	200–300	10	10	7.80
7173	9173	300–500	12	5	10.50

Available also with Non-vented Dome, Shallow Dome, Symmetrical Angle and Elliptical Angle units. Information and prices upon request.

DAY-BRITE FLUORESCENT FIXTURES

TIARA® SURFACE MOUNTED FIXTURE



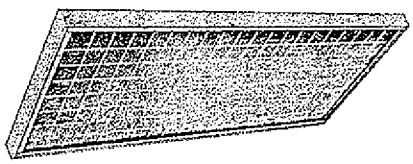
Clean modern design, just 3⅛" slim. Ideal where recessing space is not available. One-piece hinged plastic enclosure. Trigger latches, separable hinges. All metal parts are rust-inhibited and finished in Hot-Bonded Super-White enamel. Protected HPF ballasts. U.L. listed.

Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Holophane Controlens® Enclosure				
42550	4-4 ft. R.S.	50	25	$99.30

DAYLUME® SURFACE MOUNTED FIXTURES

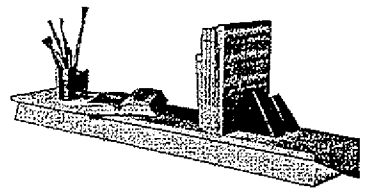
Extremely shallow surface elements, just 3¼" thin. Modern, versatile and easy to install. Body and hinged frame in Hot-Bonded Super-White enamel. CBM ballasts, safety fuses. U.L. listed.

OCTEX ENCLOSURES



Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Octex Enclosure				
2X22-383	2-2 ft. T.S.	23¼	24⅝	$41.96
2X24-383	4-2 ft. T.S.	23¼	24⅝	57.69
2X42-783	2-4 ft. R.S.	23¼	48⅝	53.96
2X44-783	4-4 ft. R.S.	23¼	48⅝	67.68
Polystyrene Octex Enclosure				
2X22-384	2-2 ft. T.S.	23¼	24⅝	39.88
2X24-384	4-2 ft. T.S.	23¼	24⅝	55.61
2X42-784	2-4 ft. R.S.	23¼	48⅝	49.60
2X44-784	4-4 ft. R.S.	23¼	48⅝	63.32

THE COLLEGIATE

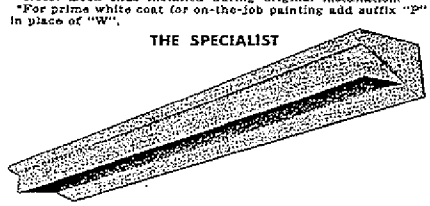


Lamp and shelf combination. Base structure is a triangular solid of die-formed steel with no exposed mechanical fasteners. Solid top provides shelf area. Hot-bonded baked white enamel. U.L. listed.

Cat. No.	Lamps	O.A. Length In.	Each
8121W*	1-2 ft. T.S.	25	$32.30
8221W*	2-2 ft. T.S.	25	33.11
8131W*	1-3 ft. R.S.	37	32.04
8141W*	1-4 ft. R.S.	49	32.12
BE81	Pair Adjustable Sliding Book Ends		3.26

Note: Book ends installed during original installation.
*For prime white coat for on-the-job painting add suffix "P" in place of "W".

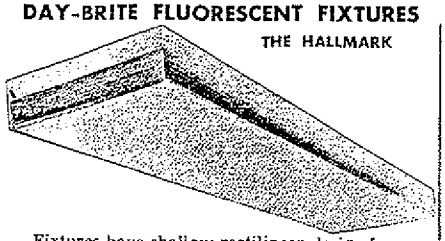
THE SPECIALIST



Wall-mounted fixture providing upward light only, downward light only, or both. 100% virgin acrylic top and bottom panel. Hot-bonded baked white enamel. U.L. listed.

Cat. No.	Lamps	O.A. Length In.	Each
6221W	2-2 ft. T.S.	25	$46.56
6231W	2-3 ft. R.S.	37	45.50
6241W	2-4 ft. R.S.	49	46.02

THE HALLMARK

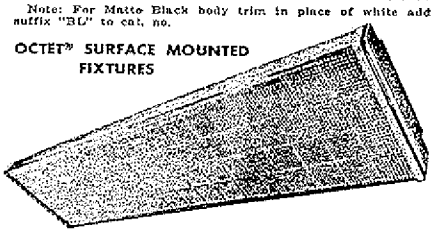


Fixtures have shallow rectilinear design for surface or suspension mounting in school, office, and other commercial applications. One-piece, injection molded prismatic acrylic in 4-foot length with top return on all four sides. Invisible, positive latches and hinges. HPF ballast. CBM certified. Hot-bonded baked white enamel finish. U.L. listed.

Cat. No.	Lamps	Lgth. In.	Each
For Surface Mounting			
45257-4	2-4 ft. R.S.	49	$37.91
45257-8	Two-Row 4 ft. R.S., Tan.	98	74.46
45457-4	4-4 ft. R.S.	49	57.95
For Suspension Mounting			
45267-4	2-4 ft. R.S.	49	41.58
45267-8	Two-Row 4 ft. R.S., Tan.	98	81.81
45467-4	4-4 ft. R.S.	49	64.44

Note: For Matte Black body trim in place of white add suffix "BL" to cat. no.

OCTET® SURFACE MOUNTED FIXTURES



One piece, frameless wrap-around plastic enclosures utilizing efficient Octex prism design. Metal parts rust-inhibited and finished in hot-bonded super white enamel. Internal thermally protected HPF ballast, CBM certified. U.L. listed.

OCTET 7

Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Octex Enclosure				
CC166-A6-4	1-4 ft. R.S.	48⅛	6⅝	$26.64
CC166-A6-8	One-Row Tandem	96⅛	6⅝	44.94
CC266-A6-4	2-4 ft. R.S.	48⅛	11¾	27.77
CC266-A6-8	Two-Row Tandem	96⅛	11¾	54.59
Polystyrene Octex Enclosure				
CC166-P6-4	1-4 ft. R.S.	48⅛	6⅝	22.43
CC166-P6-8	1-Row Tandem	96⅛	6⅝	37.43

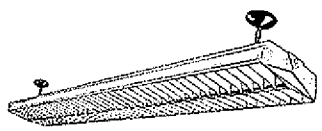
OCTET 12

Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Octex Enclosure				
CO-240-2A4-4	2-4 ft. R.S.	48⅛	11¾	$31.05
CO-240-2A4-8	Two-Row Tandem	96¼	11¾	61.13
Polystyrene Octex Enclosure				
CO-240-2P4-4	2-4 ft. R.S.	48⅛	11¾	25.13
CO-240-2P4-8	Two-Row Tandem	96¼	11¾	49.31

OCTET 18

Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Octex Enclosure				
CO-440-4A4-4	4-4 ft. R.S.	48⅛	17⅛	$49.74
Polystyrene Octex Enclosure				
CO-440-4P4-4	4-4 ft. R.S.	48⅛	17⅛	41.85

LUVEX® SUSPENDED FIXTURES



Cat. No.	Lamps	Dimen., In. L.	W.	Each
Luvex® — 2R Fixture — 35° x 25° Shielding				
R46255-4	2-4 ft. R.S.	48½	12¾	$25.88
R46455-8	4-4 ft. R.S.*	96½	12¾	47.66
R96265-8	2-8 ft. S.L.	96½	12¾	43.82
86265-8	2-8 ft. HO R.S.†	96½	12¾	62.25
Luvex® — 4R Fixture — 35° x 25° Shielding				
R46445-4	4-4 ft. R.S.	48½	21	56.67
R96465-8	4-8 ft. S.L.	96½	21	93.78
Luvex® — 2PG Fixture — 35° x 35° Shielding				
76277-8	2-8 ft. P.G.	96½	11⅛	86.21
76277-4	2-4 ft. P.G.	48½	11⅛	59.70
Luvex® — 45 Fixture — 45° x 45° Shielding				
46277-4	2-4 ft. R.S.	48½	11⅛	27.35
46277-8	4-4 ft. R.S.*	96½	11⅛	50.93
96277-8	2-8 ft. S.L.	96½	11⅛	46.70
86277-8	2-8 ft. HO R.S.†	96½	11⅛	62.79

*Tandem. †800 MA High-Output.

RECESSED TROFFERS

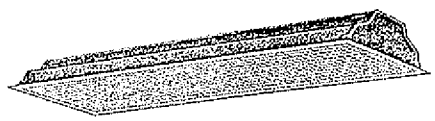
For single unit or continuous installations. Die-formed steel construction for uniformity and structural stability. Removable wireway cover for easy access to control equipment. Hot-Bonded Super-White enamel finish, rust inhibited. Separable hinges permit enclosing elements to be hinged from either side or completely removed for servicing. Secured with fast, easy trigger latches. Safety fuses. HPF certified CBM Rapid-Start ballasts and sockets. U.L. listed.

OCTEX ENCLOSURES



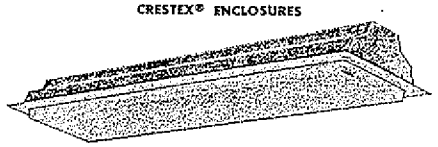
Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Octex for Ceiling System "F"				
4F21-733-4	2-4 ft. R.S.	48	12	$35.72
4F31-733-4	3-4 ft. R.S.	48	12	43.65
Acrylic Octex for Ceiling System "G"				
4G21-633-4	2-4 ft. R.S.	48	12	35.00
4G31-633-4	3-4 ft. R.S.	48	12	43.35
Polystyrene Octex for Ceiling System "F"				
4F21-734-4	2-4 ft. R.S.	48	12	33.40
4F31-734-4	3-4 ft. R.S.	48	12	41.33
Polystyrene Octex for Ceiling System "G"				
4G21-634-4	2-4 ft. R.S.	48	12	32.68
4G31-634-4	3-4 ft. R.S.	48	12	41.03

WAFFLETEX® ENCLOSURES



Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Wafflетex® for Ceiling System "F"				
4F21-739-4	2-4 ft. R.S.	48	12	$40.63
4F31-739-4	3-4 ft. R.S.	48	12	48.56
Acrylic Wafflетex® for Ceiling System "G"				
4G21-639-4	2-4 ft. R.S.	48	12	39.91
4G31-639-4	3-4 ft. R.S.	48	12	48.26

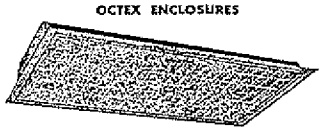
CRESTEX® ENCLOSURES



Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Crestex® for Ceiling System "F"				
4F21-743-4	2-4 ft. R.S.	48	12	$40.63
4F31-743-4	3-4 ft. R.S.	48	12	48.56
Acrylic Crestex® for Ceiling System "G"				
4G21-643-4	2-4 ft. R.S.	48	12	39.91
4G31-643-4	3-4 ft. R.S.	48	12	48.26

MOBILEX® RECESSED FIXTURES

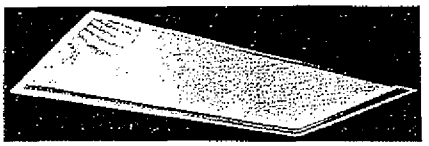
OCTEX ENCLOSURES



Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Octex for Ceiling System "F"				
4F22-783-4	2-4 ft. R.S.	48	24	$50.85
4F32-783-4	3-4 ft. R.S.	48	24	62.06
4F42-783-4	4-4 ft. R.S.	48	24	62.21
Acrylic Octex for Ceiling System "G"				
4G22-683-4	2-4 ft. R.S.	48	24	47.73
4G32-683-4	3-4 ft. R.S.	48	24	56.87
4G42-683-4	4-4 ft. R.S.	48	24	57.09
Polystyrene Octex for Ceiling System "F"				
4F22-784-4	2-4 ft. R.S.	48	24	46.49
4F32-784-4	3-4 ft. R.S.	48	24	57.70
4F42-784-4	4-4 ft. R.S.	48	24	57.85
Polystyrene Octex for Ceiling System "G"				
4G22-684-4	2-4 ft. R.S.	48	24	43.37
4G32-684-4	3-4 ft. R.S.	48	24	52.51
4G42-684-4	4-4 ft. R.S.	48	24	52.73

DAY-BRITE FLUORESCENT FIXTURES

REGRESSED TROFFER AND MOBILEX® FIXTURES



A recessed fixture for offices, stores and schools. Die-formed embossed steel housing. Ballast compartment closed by a wireway cover of die-formed steel. Regressed splay profile with extruded aluminum side and end rails. Also available with steel side and end rails.

Steel body treated with a five-stage coating of zinc phosphate. Body, extruded aluminum and steel side and end rails finished in hot-bonded baked white enamel. Internal thermally protected HPF ballasts, 4' CBM certified. U.L. listed.

A wide choice of frameless plastic, plastic framed, or extruded aluminum frame glass and plastic enclosures available. Available with steel or aluminum trim; acrylic or polystyrene enclosure.

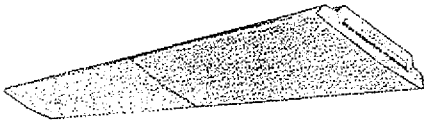
FRAMELESS OCTEX ENCLOSURES—STEEL TRIM

Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Octex for Ceiling System "F"				
F21S-WF833-4	2-4 ft. R.S.	48	12	$43.64
F31S-WF833-4	3-4 ft. R.S.	48	12	52.64
F22S-WF483-2	2-2 ft. T.S.	24	24	50.27
F32S-WF483-2	3-2 ft. T.S.	24	24	65.46
F42S-WF483-2	4-2 ft. T.S.	24	24	64.34
F22S-WF883-4	2-4 ft. R.S.	48	24	58.54
F32S-WF883-4	3-4 ft. R.S.	48	24	71.00
F42S WF883-4	4-4 ft. R.S.	48	24	69.89
Acrylic Octex for Ceiling System "G"				
G21S-WF833-4	2-4 ft. R.S.	48	12	$36.87
G31S-WF833-4	3-4 ft. R.S.	48	12	45.87
G22S-WF483-2	2-2 ft. T.S.	24	24	42.24
G32S-WF483-2	3-2 ft. T.S.	24	24	57.44
G42S-WF483-2	4-2 ft. T.S.	24	24	56.33
G22S-WF883-4	2-4 ft. R.S.	48	24	50.78
G32S-WF883-4	3-4 ft. R.S.	48	24	63.23
G42S-WF883-4	4-4 ft. R.S.	48	24	62.11

MARKSMAN® II AND IV SURFACE MOUNTED AND SUSPENDED FIXTURES

These units provide high efficiency and low brightness; ideal for schools and offices. Ultra shallow wrap-around prismatic plastic enclosure supplied in 4-foot lengths, metal framed. Trigger latch at each end and service chains speed maintenance. Metal parts are rust-inhibited and finished in Hot-Bonded Super-White enamel. Internal thermally protected HPF ballasts, CBM certified. U. L. listed.

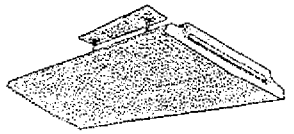
SURFACE MOUNTED MARKSMAN



Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Enclosure — Marksman II				
A47272-4	2-4 ft. R.S.	48	13	$40.26
A47272-8	4-4 ft. R.S.*	96	13	78.62
Polystyrene Enclosure — Marksman II				
P47272-4	2-4 ft. R.S.	48	13	32.24
P47272-8	4-4 ft. R.S.*	96	13	62.55
Acrylic Enclosure — Marksman IV				
A47472-4	4-4 ft. R.S.	48	18	54.21

*Tandem.

SUSPENDED MARKSMAN

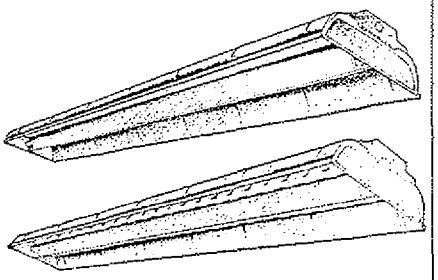


Marksman IV

Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Enclosure — Marksman II				
A47262-4	2-4 ft. R.S.	48	13	$37.83
A47262-8	4-4 ft. R.S.*	96	13	75.08
Polystyrene Enclosure — Marksman II				
P47262-4	2-4 ft. R.S.	48	13	29.46
P47262-8	4-4 ft. R.S.*	96	13	58.38
Acrylic Enclosure — Marksman IV				
A47462-4	4-4 ft. R.S.	48	18	53.49

*Tandem.

CFI® PORCELAIN INDUSTRIAL FIXTURES

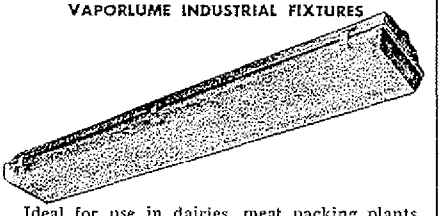


These fixtures have baked porcelain enamel steel reflectors with die-embossed apertures for upward lighting. Baked gray enamel finish channel is of rigidized construction with formations to accommodate sliding clamp hangers and adequate knockouts for alternate suspension and feed. 8-foot channel sections include couplings. Full fixture ends provided for each complete unit or run. Spring-loaded sockets are removable without disturbing circuit wiring. CBM certified ballasts.

Cat. No.	Lamps	Dimen., In. L.	W.	Each
CFI®-25 With 25% Upward Lighting Apertures				
R41252-4	2-4 ft. R.S.	50	13⅜	$28.05
R41452-8	4-4 ft. R.S.*	99¾	13⅜	55.20
R91252-8	2-8 ft. S.L.	96½	13⅜	45.74
R81252-8	2-8 ft. HO R.S.†	96½	13⅜	55.88
R81252-4	2-4 ft. HO R.S.†	48¼	13⅜	44.97
R71252-8	2-8 ft. P.G.	96¼	13⅝	73.02
R71252-4	2-4 ft. P.G.	48¼	13⅜	52.53

*Tandem. †800 MA High-Output.

VAPORLUME INDUSTRIAL FIXTURES

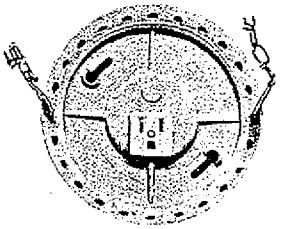


Ideal for use in dairies, meat packing plants, laundries, bottling plants, paper mills, bakeries, textile mills, canneries, parking garages and many other areas where cleanliness, sanitation or enclosed lamps are important. Available on special order with "low temperature" ballasts for operation to 0° F.

The one-piece seamless polyester housing is non-corrosive and designed with minimum surfaces to collect dust and dirt. A neoprene gasket between body and enclosure assures a positive seal to keep out foreign matter and allows fixture to be washed down. Shock hazard is eliminated during washing since entire chassis and enclosure is isolated and material is electrically non-conductive.

Cat. No.	Lamps	Dimen., In. L.	W.	Each
Acrylic Enclosure				
R41141	1-4 ft. R.S.	49	7⅛	$38.75
R41241	2-4 ft. R.S.	49	7⅛	39.33

DAY-BRITE "HYDEE" FIXTURE HANGER



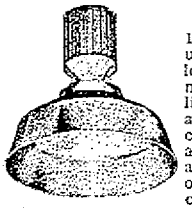
Hanger can be used with all chain suspension mounted industrial fixtures. Furnished complete with 15-A, 125-V. receptacle for 2-wire grounding plug, two 5' chains, "S" hooks and cord clamps.

Two screws hold hanger to the ears of a standard outlet box or plaster ring. Fits both 3¼" and 4" outlet boxes.

No. 5988 "Hydee" Hanger.....each $1.77

DAY-BRITE MERCURY FIXTURES

INDUSTRA INDUSTRIAL FIXTURES



A complete product line of 175, 250, 400 and 1000 watt units designed with a new look, by new principles, for new values in industrial lighting. All the extruded aluminum power packs are completely prewired, fused and contain constant wattage (lamp wattage ±4.5% over an input voltage range of ± 10%) ballasts.

Designed to operate continuously at 40° C (104° F) ambients. High temperature power packs for ambients up to 55° C (131° F) are available. Specular Alzak reflector furnished for 1000-W, diffuse Alzak and porcelain enamel reflectors available for all other voltages. Sturdy louver rings, for maximum comfort and wire guards are available. U.L. listed.

Volt	Cat. No. Each — 21" Diffuse Alzak —		Cat. No. Each — 21" Specular Alzak —	
120	R4H12-AD21	$75.23	R4H12-AS21	$81.72
240	R4H24-AD21	75.23	R4H24-AS21	81.72
277	R4H27-AD21	76.38	R4H27-AS21	82.88
480	R4H48-AD21	77.21	R4H48-AS21	83.72
	— 14-7/8" Porcelain —		— 21" Porcelain —	
120	R4H12-P15	67.20	R4H12-P21	74.12
240	R4H24-P15	67.20	R4H24-P21	74.12
277	R4H27-P15	68.34	R4H27-P21	75.26
480	R4H48-P15	69.18	R4H48-P21	76.10

DAY-BRITE EXIT SIGNS



Single Face — Double Face

Extremely thin for surface mounting—recessing not necessary. Single and double face models. Top, end or back mounted thru use of Satin aluminum cast mounting bracket. Hanger available for suspension.

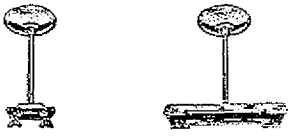
Low wattage consumption (approx. 7 watts) and long lamp life (under normal conditions, 8 years). Plastic face—no breakage—no guards needed.

Satin aluminum frame and sign background. Satin black body. Red or green lettering standard, other color combinations available. Wired with 6" pigtails including six miniature lamps per face—no tools required for servicing. U.L. listed.

Cat. No. Red	Cat. No. Green	Description	Each
Single Face Signs			
5016	5116	6" Letters—No Arrow	$15.98
5016-R	5116-R	6" Letters—Arrow Rt.	16.70
5016-L	5116-L	6" Letters—Arrow Lt.	16.70
5016-D	5116-D	6" Letters—Dble. Arrow	16.70
Double Face Signs			
5026	5126	6" Letters—No Arrow	$31.95
5026-RL	5126-RL	6" Letters—Arrow Rt. & Arrow Lt.	33.39
5026-D	5126-D	6" Letters—Dble. Arrow	33.39

No. 3370	End Mounting Bracket	2.04
No. 3372	Top Mounting Bracket	2.55
No. 3374	24-Inch Stem Hanger	3.63

DAY-BRITE STEM-LINE HANGERS



No. 4108 — No. 4158

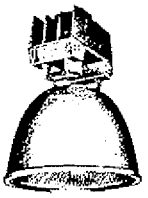
Cat. No.	Description	Each
R-4108	Single Stem 8" Hanger	$2.42
R-4124	Single Stem 24" Hanger	2.84
R-4158	Single Stem 8" for 8' Marksman	3.12
R-4154	Single Stem 24" for 8' Marksman	3.54
R-4208	Twin-Stem 8" Hanger	4.53
R-4224	Twin-Stem 24" Hanger	5.54

HOLOPHANE INDUSTRIAL LIGHTING

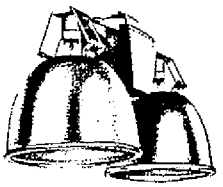
MERCURY LUMINAIRES

With Integral Ballast

PRISMPACK® II



Single



Twin

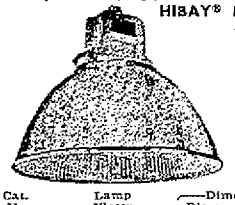
Choice of five prismatically controlled light distributions allows precise engineering solutions for specific applications.

Cat. No.	Light Distr.	Dimens., In. Lgth.	Diam.	Depth	Each
One 400 Watt Mercury Lamp					
920-120	Wide	.....	15½	22	$76.00
916-120	Broad	.....	15½	22	76.00
913-120	Medium	.....	15½	22	76.00
910-120	Intensive	.....	21½	21⅜	82.00
908-120	Narrow	.....	21½	21⅜	82.00
Two 400 Watt Mercury Lamps					
2916-120	Broad	37½	15½	20¼	120.50
2913-120	Medium	37½	15½	20¼	120.50
2908-120	Narrow	43½	21½	19½	132.40
2910-120	Intensive	43½	21½	19½	132.40
One 400 Watt Mercury Lamp and One 500 Watt Incandescent Lamp					
2916-HH-120	Broad	37½	15½	20¼	110.45
2913-HH-120	Medium	37½	15½	20¼	110.45
2908-HH-120	Narrow	43½	21½	19½	122.35
2910-HH-120	Intensive	43½	21½	19½	122.35
One 250 Watt Mercury Lamp					
300-A-120	Broad	.....	12¾	17½	57.10
310-A-120	Wide	.....	12¾	17½	57.10
One 175 Watt Mercury Lamp					
300-B-120	Broad	.....	12¾	17½	54.10
310-B-120	Wide	.....	12¾	17½	54.10
One 400 Watt Metal Halide Lamp					
613-120	Clear-Intensive	....	21½	23¾	96.50
610-120	Phos.-Medium	....	15¾	24⅞	90.60
611-120	Clear-Broad	....	15¾	23	92.00
One 1000 Watt Mercury Lamp					
1025-120	Intensive	.....	21⅛	29⅝	118.15
One 1000 Watt Metallic-Halide Lamp					
1030-120	Intensive	.....	21⅛	30	150.60
1031-120	Medium	.....	18⅝	30¼	153.05
One 400 Watt High Pressure Sodium Lamp					
1034-120	Medium	....	18¾	29⅝	204.55
1035-120	Intensive	....	21½	29⅝	202.15
1036-120	Broad	....	15¾	28¾	197.60

Note: Primary voltages other than 120 are available. Specify 208, 240, 277 or 480 volts as a part of catalog number, e.g., 920-208.

HIBAY® MERCURY LUMINAIRES

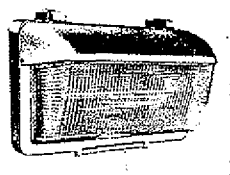
Without Ballast



Reflectors designed for most efficient use with mercury vapor lamps feature two-piece construction consisting of ventilated socket yoke and covered reflector assembly.

Cat. No.	Lamp Watts	Dimens., In. Diam.	Depth	Each
640	400	21½	17¾	$37.25
642	1000	21⅛	17⅛	37.25

WALLPACK® WIDE-SPRED OUTDOOR UNITS



Rugged die-cast housing with ENDURAL® prismatic refractor provides light over wide areas adjacent to walls. Removable metal visor allows up-light for indoor use. Mercury types available with integral ballast and PRISMASCOPE® "on and off" control.

Incandescent and Mercury Vapor Units

Cat. No.	Lamp Watts	Dimens., In. L.	W.	D.	Each
480	300 Incand.	16¼	10⅞	7½	$57.60
481	175 M.V.	16¼	10⅞	7½	57.60

Mercury Vapor Units With In-Bilt Ballast†

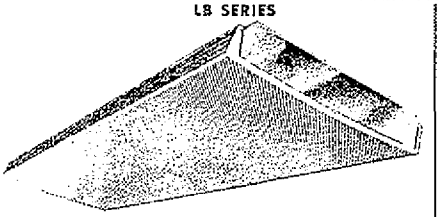
175 Watt Cat. No.	Each	250 Watt Cat. No.	Each	Dimens., In. L.	W.	D.
488-120	$ 96.95	588-120‡	$102.15	16¼	16⅞	7½
489-120‡	120.25	589-120‡	125.45	16¼	16⅞	7½

†See voltage note above. Ballasted units with Photocell Control in 120 to 277 volt primaries.

‡Photocontrol Cell and Prismascope.

LITHONIA FLUORESCENT LIGHTING FIXTURES

LB SERIES

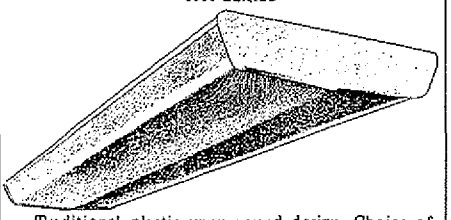


Low profile plastic enclosed fixture for single or continuous row installation. Overall depth only 3" with an apparent depth of 2". Prismatic lens diffuser hinges securely from either side for ease of relamping.

Luminous end panels eliminate harsh contrast on ceiling. No metal visible between fixtures in continuous rows. Choice of acrylic or polystyrene prismatic lens diffusers.

Cat. No.	Lamps No.	Type	Ballast	Each
Acrylic Lens — Rapid Start Lamps				
LB240A	2	F40	CBM	$25.63
8TLB240A	4	F40	CBM	51.25
LB440A	4	F40	CBM	43.63
8TLB440A	8	F40	CBM	87.25
Polystyrene Lens — Rapid Start Lamps				
LB240	2	F40	CBM	20.25
8TLB240	4	F40	CBM	40.50
LB440	4	F40	CBM	36.88
8TLB440	8	F40	CBM	73.75

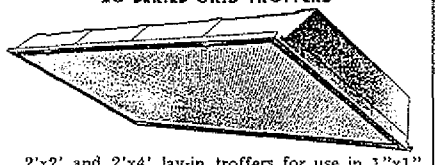
WA SERIES



Traditional plastic wraparound design. Choice of acrylic or polystyrene diffusers with compound linear side prisms. Features snap-in diffuser with service springs, rigidized construction, and snap-in ballast cover. PKO's facilitate accurate alignment of continuous rows.

Cat. No.	Lamps No.	Type	Ballast	Each
Acrylic Lens — Rapid Start Lamps				
WA240RH	2	F40	CBM	$23.25
8TWA240RH	4	F40	CBM	46.50
WA440RH	4	F40	CBM	41.38
8TWA440RH	8	F40	CBM	82.75
Acrylic Lens — Slimline Lamps				
WA296RH	2	F96T12	CBM	46.13
Polystyrene Lens — Rapid Start Lamps				
WA240	2	F40	CBM	18.88
8TWA240	4	F40	CBM	37.75
WA440	4	F40	CBM	35.50
8TWA440	8	F40	CBM	71.00
Polystyrene Lens — Slimline Lamps				
WA296	2	F96T12	CBM	37.25

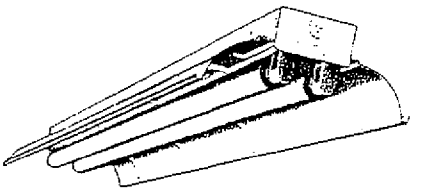
2G SERIES GRID TROFFERS



2'x2' and 2'x4' lay-in troffers for use in 1"x1" exposed tee bar ceilings. Rapid start lamps. 2'x2' units utilize new U-lamps of either available width. 2'x4' fixtures have snap-in access panels on top permitting wiring without opening fixtures if desired. Hinged and latched door frames are gasketed with urethane foam light seal.

Cat. No.	Lamps No.	Type	Ballast	Each
Acrylic Lens — Rapid Start Lamps				
2G2U40A12	2	FB40 or F40/V	CBM	$44.63
2G240A12	2	F40	CBM	46.25
2G340A12	3	F40	CBM	52.00
2G440A12	4	F40	CBM	51.63
Polystyrene Lens — Rapid Start Lamps				
2G2U40P12	2	FB40 or F40/V	CBM	41.13
2G240P12	2	F40	CBM	39.63
2G340P12	3	F40	CBM	45.38
2G440P12	4	F40	CBM	45.00

L/LA SERIES INDUSTRIAL

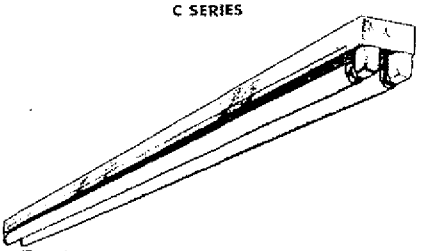


Shallow depth industrial fixtures with embossed reflectors for strength and rigidity. Choice of closed top unit for all downlight (L) or apertured unit for 10% uplight component (LA).

Features Lighonia's patented (#3,070,689) combination end plate/connector strap to provide for individual or continuous row mounting without need for extra parts.

Cat. No.	Lamps No.	Type	Ballast	Each
Non-apertured — Rapid Start Lamps				
L240	2	F40	CBM	$11.25
8TL240	4	F40	CBM	22.50
Non-apertured — Slimline Lamps				
L296	2	F96T12	CBM	20.25
Apertured — Rapid Start Lamps				
LA240	2	F40	CBM	11.25
8TLA240	4	F40	CBM	22.50
Apertured — Slimline Lamps				
LA296	2	F96T12	CBM	20.25

C SERIES



For single or continuous row installations, surface or suspended mounting. Die formed and constructed of heavy gauge cold rolled steel. Finished in hot bonded baked white enamel of 90% reflectivity.

One-piece reflector secured by captive latches. Snap-in patented end plate/connector straps included.

Cat. No.	Lamps No.	Type	Ballast	Each
Trigger Start Lamps				
C120	1	F20	LPF	$ 9.00
C220	2	F20	LPF	10.13
Rapid Start Lamps				
C140	1	F40	CBM	10.88
8TC140	2	F40	CBM	14.25
C240	2	F40	CBM	11.00
8TC240	4	F96T12	CBM	20.50
Slimline Lamps				
C148	1	F48T12	CBM	14.88
C172	1	F72T12	CBM	15.25
C196	1	F96T12	CBM	15.25
8TC196	2	F96T12	CBM	23.25
C248	2	F48T12	CBM	15.00
C272	2	F72T12	CBM	15.25
C296	2	F96T12	CBM	15.25

S SERIES

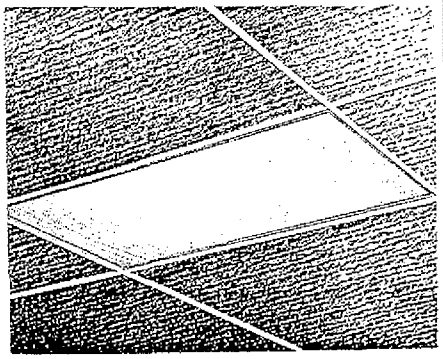


Die formed heavy gauge steel phosphatized and finished in baked high reflectance enamel. Captive latches secure reflector. Snap-in patented end plate/connector strap included. Completely wired. UL listed.

Cat. No.	Lamps No.	Type	Ballast	Each
Preheat Lamps				
S115PH	1	F15T12	LPF	$3.75
S120PH	1	F20T12	LPF	3.75
S130PH	1	F30T8	LPF	6.31
S140PH	1	F40	LPF	6.94
Trigger Start Lamps				
S115TS	1	F15T12T/S	LPF	6.31
S120TS	1	F20T12T/S	LPF	6.31
Rapid Start Lamps				
S130RS	1	F30T8R/S	LPF	6.94
S140RS	1	F40	LPF	7.25
Rapid Start Lamps — HPF				
S130HRS	1	F30T8R/S	UL	11.38
S140HRS	1	F40	CBM	11.38
8TS140HRS	2	F40	CBM	14.38
Rapid Start Lamps — Dimming Ballasts				
S140R/SHD	1	F40	HPF	$15.38

KEYSTONE FLUORESCENT FIXTURES

"PATTERN-LITE" RECESSED TROFFERS



2J440-EX

HINGED AND FRAMED

A completely new line of "full-feature" quality troffers at competitive prices.

- SLIDING METAL DOOR LATCH — nearly invisible, tested for 200,000 operations.
- SHALLOW DESIGN — only 4¼" deep.
- RIGID DESIGN — "tool engineered" embossments add extra strength to body design.
- PERFECT ALIGNMENT — "Dimple-Lock" in end plates assure this in continuous rows.
- HINGES FROM EITHER SIDE—Shielding frame held positively in place by sliding frame pin into housing slot.
- SQUEEZE-TYPE BALLAST COVER — no tools or fasteners required.
- PRECISION-FIT FRAME — rests in dual-reset baffle in housing to give positive prevention against light-leak.
- REGRESSED FRAME—for modern, uncluttered appearance, hiding the light source.
- NEW-UNI-LUGS — on flange type units allow final leveling by easily turning screws from below.
- COMPLETE CHOICE OF HOUSINGS — Aside from those listed, 3-lite 40 watt are available in 1 x 4 and 2 x 4; 2-lite and 6-lite are available in the 2 x 4. A complete series of 2-, 3-, 4- and 6-lite units are available in 2 x 2's, both with high power factor and low power factor ballasts. And now, an all new series of matching 4 x 4's are available.
- COMPLETE CHOICE OF SHIELDINGS — Aside from those listed, the following lenses are available:

Dished Acrylic	Polarizing Panel
Corning #C70	Skylex Glass
Corning #C79	Albalite Glass

Nos.	Size Ft.	Type	Lamps	Each
Polystyrene Prismatic Shielding				
F240-EX	1 x 4	Flange	2-40	$24.00
2F440-EX	2 x 4	Flange	4-40	35.20
J240-EX	1 x 4	Lay-In	2-40	20.25
2J440-EX	2 x 4	Lay-In	4-40	31.45
Acrylic Prismatic Shielding				
F240-EX-A	1 x 4	Flange	2-40	$27.00
2F440-EX-A	2 x 4	Flange	4-40	41.20
J240-EX-A	1 x 4	Lay-In	2-40	23.25
2J440-EX-A	2 x 4	Lay-In	4-40	37.45
Holophane 6150 and 6250 Lens				
F240-N	1 x 4	Flange	2-40	$33.00
2F440-N	2 x 4	Flange	4-40	55.00
J240-N	1 x 4	Lay-In	2-40	29.25
2J440-N	2 x 4	Lay-In	4-40	51.25
Plastic Eggcrate Louver Shielding				
F240-PL	1 x 4	Flange	2-40	$25.95
2F440-PL	2 x 4	Flange	4-40	39.10
J240-PL	1 x 4	Lay-In	2-40	22.20
2J440-PL	2 x 4	Lay-In	4-40	35.40
Dished Polystyrene Plastic Shielding				
F240-DP-P	1 x 4	Flange	2-40	$26.25
2F440-DP-P	2 x 4	Flange	4-40	38.50
J240-DP-P	1 x 4	Lay-In	2-40	22.50
2J440-DP-P	2 x 4	Lay-In	4-40	34.75

"NEUTRON" SERIES

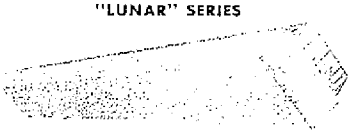


New, expanded line of prismatic wrap-arounds with completely enclosed shielding of patterned prismatic bottom and linear sides. Features "Shift-Lok" design for continuous row mounting without tools or chase nipples plus new 20 watt units in both 11" wide 2-lite and 17" wide 4-lite.

Cat. No.	Description	Sq. Ft. Per Fix. 100 fc	Each
NE220	2-20W T.S. LPF-UL	15	$14.65
NE240	2-40W R.S. HPF-CBM	29	14.75
NE240-8*	4-40 R.S. HPF-CBM	58	29.50
NE420	4-20W T.S. LPF-UL	28	24.05
NE440	4-40W R.S. HPF-CBM	58	26.15

*Tandem.

"LUNAR" SERIES



Designed to meet the needs of diffuse, high level lighting in a crisp, modulinear source.

Die formed 20 gauge chassis. One-piece shielding opens on either side on full length hinges for cleaning.

Available in single or two-lamp wide configuration.

Cat. No.	Lamps	Ballast	Unit Lgth. Ft.	Each
LN120	1-20W T.S.	LPF-UL	2	$11.65
LN140-L	1-40W R.S.	LPF-UL	4	12.45
LN140	1-40W R.S.	HPF-CBM	4	14.65
LN140-8*	2-40W R.S.	HPF-CBM	8	26.70
LN220	2-20W T.S.	LPF-UL	2	13.80
LN240	2-40W R.S.	HPF-CBM	4	15.40
LN240-8*	4-40W R.S.	HPF-CBM	8	30.75

*Tandem wired 8-Ft. units.

"SKYLARK" SERIES



An all new series of modular square surface mounted units. Only 3½" deep. New foolproof hinging arrangement locks tight, installs easily, is light-leak-proof. Wide variety of shielding; solid metal of plastic sides; 1x4's, 2x4's and 2x2's. Prismatic bottom.

Cat. No.	Size, Ft.	Lamps	Sq. Ft. Per Fix. 100 fc	Each
S240-EX	1 x 4	2-40W	20	$27.80
2S420-EX	2 x 2	2-20W	30	34.95
2S440-EX	2 x 4	4-40W	45	40.25

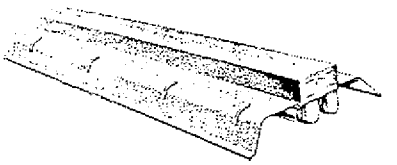
"TITAN" SERIES



Porcelain enameled reflectors with 12% extruded apertures, full transverse ribs, reflector-housing aligning track and recessed captive fastener. Externally grooved white housing with multiple turret lamp holders. ETL-HPF ballasts, individually fused. Full 14" reflector aids in creating amazing photometric efficiency. 2- and 3-lite, RS, 430 ma., 800 ma. and 1500 ma.

Cat. No.	Lamps	Sq. Ft. Per Fix. 100 fc	Each
KP240	2-40W R.S.	30	$16.70
KP240-8	4-40W R.S.	60	33.40
KP296	2-75W S.L.	50	29.15
KP296-HO	2-105W 800 ma.	65	33.15
KP296-PG	2-215W 1500 ma.	120	42.75

"CR" SERIES



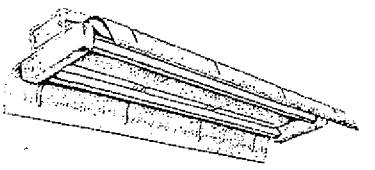
Designed to give maximum efficiency with features usually found only in more expensive units. Each 4-ft. reflector "ribbed" for greater rigidity — easily installed with simple turn of captive fasteners. Two full reflector aligner clips packed with each unit. Units also available with 10% apertured and porcelain enameled reflectors.

Cat. No.	Description	Sq. Ft. Per Fix. 100 fc	Each
CR240	2-40W RS. HPF-UL	30	$ 9.40
CR240-B*	2-40W R.S. HPF-UL	30	9.00
CR296	2-75W SL-96" HPF-CBM	50	17.40
CR-296-B**	2-75W SL-96" HPF-CBM	50	16.75
CR248-HO-BA†	2-800 ma.—4 ft.	35	25.30
CR296-HO-BA†	2-800 ma.—8 ft.	65	27.40
CR248-PG-BA†	2-1500 ma.—4 ft.	55	30.00
CR296-PG-BA†	2-1500 ma.—8 ft.	100	36.25

*Packaged 4 to a carton. **Packaged 2 to a carton.
†10% aperture.

"DYNAMO" SERIES

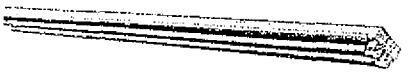
Premium Heavy-Duty Baked Enamel



All the features of the "Titan" unit only with a baked enamel reflector, no external fuse. Available in 2-, 3- or 4-lite, RS, 430 ma., 800 ma. or 1500 ma., even with a baked enamel "V"-shield. High power factor ETL-CBM ballasts.

Cat. No.	Lamps	Sq. Ft. Per Fix. 100 fc	Each
KL240	2-40W R.S.	30	$13.70
KL340	3-40W R.S.	42	20.65
KL440	4-40W R.S.	50	21.90
KL296	2-75W S.L.	50	22.45
KL396	3-75W S.L.	75	34.00
KL496	4-75W S.L.	85	34.00
KL296-HO	2-105W 800 ma.	65	28.15
KL396-HO	3-105W 800 ma.	90	38.15
KL296-PG	2-215W 1500 ma.	120	37.40

"ZIP STRIPS"

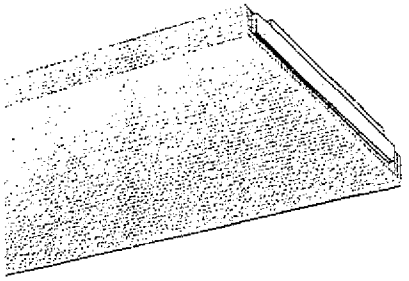


"Zip Strips" feature extremely fast installation. Embossed "snap-fit" cover — no tools required, no loose parts. "Slide-Aligner" combination end-plate coupler snaps on as end cap, slides in as coupler. "Slide-on" sockets slide into place without the use of screws to hold firmly in place.

Cat. No.	Lamps	Ballast	Dimens., In. W.	L.	Sq. Ft. Per Fix. 100 fc	Each
Trigger Start or Rapid Start Fluorescents						
18CH-T	1-15W	NPF	2¾	18	10	$ 5.15
24CH-T	1-20W	NPF	2¾	24	15	5.15
CH130-R	1-30W	NPF	2¾	36	20	5.65
CH140-R	1-40W	NPF	2¾	48	36	5.65
96CH-CR	2-40W	HPF	2¾	96	72	9.95
C220	2-20W	HPF	4⅛	24	30	7.30
C240	2-40W	HPF	4⅛	48	65	8.00
448CH-R	4-40W	HPF	9½	48	120	17.75
430 MA Slimlines						
C148	1-38W	4'	HPF	4⅛	48	36	$13.20
C172	1-55W	6'	HPF	4⅛	72	50	12.50
C196	1-75W	8'	HPF	4⅛	96	70	12.50
C196-16	2-75W	16'	HPF	4⅛	192	140	19.40
C248	2-38W	4'	HPF	4⅛	48	65	13.20
C272	2-55W	6'	HPF	4⅛	72	95	12.50
C296	2-75W	8'	HPF	4⅛	96	130	12.50
CH396	3-75W	8'	HPF	10⅛	96	190	29.95
CH496	4-75W	8'	HPF	10⅛	96	240	27.65

SMITHCRAFT LIGHTING

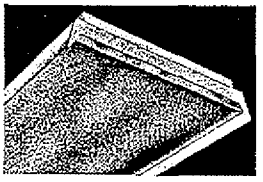
DOMINAIRE SERIES DMA & DMP



A new shallowness in lighting fixtures. Apparent depth of only 1⅞" simulates a panel lamp or recessed fixture without visible attachments. When used in rows, free-flowing uninterrupted lines of light are obtained. The uniform low brightness of the acrylic or styrene lens provides shadowless, non-glaring illumination for offices, schools and stores. The Dominaire is also an excellent lighting panel for residential applications in kitchens and family rooms.

Cat. No.	Lens	Lamps	Lgth., Ft.	Ship. Wt., Lbs.	Each
1-Lamp Units — 5¼" Wide					
DMA1-40	Acrylic	1-40RS	4	20	$22.30
DMA1-42	Acrylic	2-40RS	8	36	34.80
DMP1-40	Styrene	1-40RS	4	20	18.05
DMP1-42	Styrene	2-40RS	8	36	26.40
2-Lamp Units — 10¼" Wide					
DMA2-40	Acrylic	2-40RS	4	20	25.80
DMA2-42	Acrylic	4-40RS	8	36	49.20
DMP2-40	Styrene	2-40RS	4	20	20.05
DMP2-42	Styrene	4-40RS	8	36	39.80
2-Lamp Units — 19" Wide					
DMA192-40	Acrylic	2-40RS	4	30	40.00
DMP192-40	Styrene	2-40RS	4	30	30.25
4-Lamp Units — 19" Wide					
DMA4-40	Acrylic	4-40RS	4	35	46.90
DMP4-40	Styrene	4-40RS	4	35	37.25
U-Lamp Units					
DMA-2U4	Acrylic	2-U40	2	19	26.05
DMP-2U4	Poly-styrene	2-U40	2	19	21.54

AVANT GARDE SERIES AGA & AGP



A shallow semi-direct lensed fixture with an extremely well controlled light distribution. The linear and rectangular prisms direct and control the light to produce a high degree of visual comfort. The lens has a rich textured low-bright sparkle that produces an atmosphere of visual pleasantness.

Cat. No.	Lens	Lamps	Lgth., Ft.	Ship. Wt., Lbs.	Each
2-Lamp Units — Individually Mounted					
AGA2-40	Acrylic	2-40RS	4	21	$31.30
AGA2-42	Acrylic	4-40RS	8	37	61.40
4-Lamp Units — Individually Mounted					
AGA4-40	Acrylic	4-40RS	4	36	56.40

SEALATRON SERIES ST

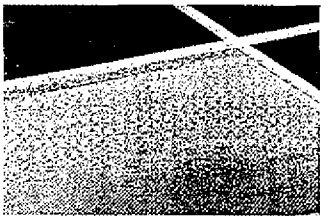


This unit provides the ultimate in combined quality lighting and resistance to corrosion, weather, dust and moisture. Sealatron units can be installed individually or in continuous rows; surface or pendant mounted, indoors or out, and is available in 1 or 2 lamp units.

Ideal for use in car washes, laundries, food plants, breweries, kitchens, chemical plants and parking garages.

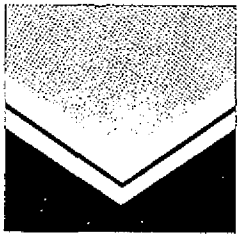
Cat. No.	Lamps	Lgth. Ft.	Shpg. Wt. Lbs.	Each
ST1-40	1-40RS	4	18	$33.95
ST2-40	2-40RS	4	19	34.40

FRAMELESS TROFFERS SERIES TF



Cat. No.	Lamps	Lgth. Ft.	Shpg. Wt. Lbs.	Each
1-Foot Wide — Type G (Invented T Bar)				
TF1GRP2-40	2-40RS	4	27	$27.25
TF1GRP3-40	3-40RS	4	32	36.00
2-Foot Wide — Type G (Inverted T Bar)				
TF2GRP3-40	3-40RS	4	40	43.20
TF2GRP4-40	4-40RS	4	41	43.20
TF2GRP6-40	6-40RS	4	46	50.05

FRAMED TROFFERS SERIES NT

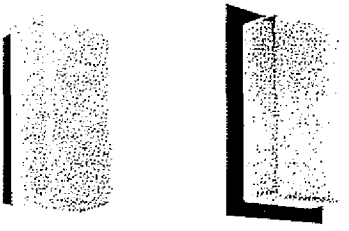


Available in all popular sizes, shieldings and ceiling types. Heat removal is a standard feature on all Framed Troffers. The regressed lens and frame assembly is accented by a black feature strip on all four sides. Precision mitered extruded aluminum frame and reversible lens provide you with further advanced improvements found only in quality lighting by Smithcraft.

Cat. No.	Lamps	Lgth. Ft.	Shpg. Wt. Lbs.	Each
ACRYLIC HEXACONE LENS				
1-Foot Wide — Flanged Type "F"				
NT1FVA2-40	2-40RS	4	31	$36.35
NT1FVA3-40	3-40RS	4	36	45.25
2-Foot Wide — Flanged Type "F"				
NT2FVA3-40	3-40RS	4	45	56.50
NT2FVA4-40	4-40RS	4	46	56.50
PLASTIC CUBE LOUVER				
1-Foot Wide — Flanged Type "F"				
NT1FPL2-40	2-40RS	4	31	$36.35
NT1FPL3-40	3-40RS	4	36	45.35
2-Foot Wide — Flanged Type "F"				
NT2FPL3-40	3-40RS	4	45	56.50
NT2FPL4-40	4-40RS	4	46	56.50

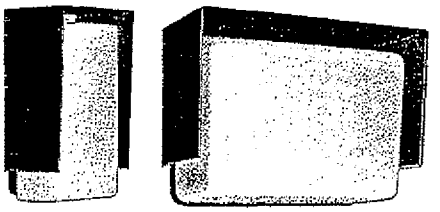
PRESCOLITE LIGHT FORMS

Glowing geometric shapes combine the beauty of satin finished white opal glass with black aluminum base to provide an unusual combination of decorative effects limited only by the imagination of the designer.



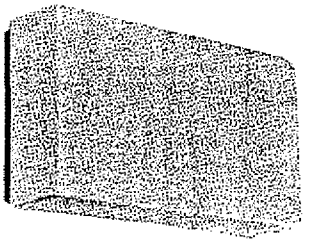
Cat. No.	Max. Watts	Dimens., In. W	L	D	Each
With Black Trim					
4013*	60	4	7⅞	3¾	$ 9.85
4020	100	4⅞	9⅞	3⅞	11.55
With Black Trim Plate					
4113*	60	5⅛	9⅞	3¾	11.20
4120	100	6¾	11¾	4	13.55

*Fits 3¼" outlet box only.



Cat. No.	Max. Watts	Dimens., In. W	L	D	Each
With Metal Visor Black Trim					
4213*	60	4⅞	8⅞	3⅞	$11.90
4220	100	5¾	10⅝	4⅜	14.90
4239*	150	8⅛	12	5¾	20.20

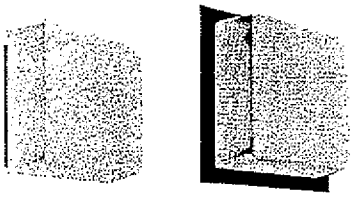
*Fits 3¼" outlet box only.



Cat. No.	Max. Watts	Dimens., In. W	L	D	Each
With Black Trim — Wall Mount Only					
4025	2-100	8¼	14½	4½	$26.30



Cat. No.	Max. Watts	Dimens., In. W	L	D	Each
With Black Trim					
4039	150	7¾	11⅞	4⅞	$16.80
With Black Trim Plate					
4139	150	10⅞	13⅜	5	18.85

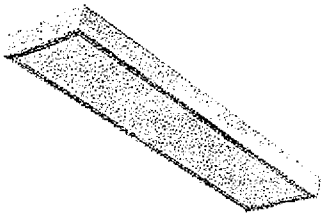


Cat. No.	Max. Watts	Dimens., In. W and L	D	Each
With Black Trim — Wall or Ceiling Mount				
4040	60-100	8¾ Square	4½	$16.80
With Black Trim Plate — Wall or Ceiling Mount				
4140	60-100	9⅛ Square	4½	18.85

SUNBEAM "MODULUX"® MODULAR LIGHTING FIXTURES

The 14000 series is a matching selection of extra shallow, surface mounted, metal side luminaires with exact uniform dimensions of 3¾" high by 1' x4', 1'x8', 2'x2', 2'x4', 2'x8', 3'x3' or 4'x4', so that they can be aligned perfectly with the tile and grid patterns of a ceiling. The unitized fixture bodies are constructed of welded heavy gauge steel for rigidity, and the bottom flanges have mitred corners for neat appearance. When specified, fixtures are available for low density cellulose ceilings.

14100 SERIES
1'x4'-8'/2-Lamps *

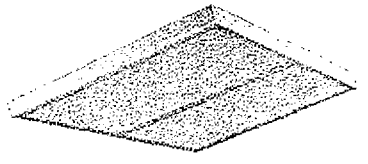


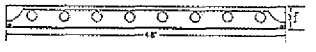


Acrylic Pattern #12 Cat. No.	Acrylic Opalux Cat. No.	Length Ft.	Each
	Frameless		
TA14112-4R	OA14112-4R	4	$29.26
TA14112-8R (2)	OA14112-8R (2)	8	54.09
	Flush Aluminum		
TA14122-4R	OA14122-4R	4	29.70
TA14122-8R (2)	OA14122-8R (2)	8	54.96
	Regress Aluminum		
TA14132-4R	OA14132-4R	4	31.44
TA14132-8R (2)	OA14132-8R (2)	8	58.44

* Note: 3-lamp units available upon request.

14400 SERIES
4'x4'/4-6 & 8-Lamp Units

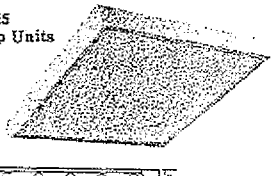




Acrylic Pattern #12 Cat. No.	Acrylic Opalux Cat. No.	Length Ft.	Each
	Flush Aluminum		
TA14424-4R	OA14424-4R	4	$76.53
TA14426-4R	OA14426-4R	4	83.48
TA14428-4R	OA14428-4R	4	90.49
	Regress Aluminum		
TA14434-4R	OA14434-4R	4	76.53
TA14436-4R	OA14436-4R	4	83.48
TA14438-4R	OA14438-4R	4	90.49

Note: Not available in frameless units.

14300 SERIES
3'x3'/ 4 & 6-Lamp Units

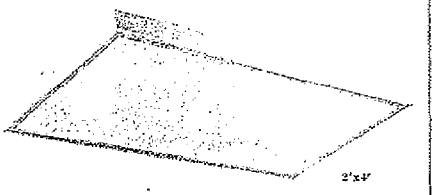




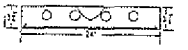
Acrylic Pattern #12 Cat. No.	Acrylic Opalux Cat. No.	Length Ft.	Each
	Flush Aluminum		
TA14324-3R	OA14324-3R	3	$70.16
TA14326-3R	OA14326-3R	3	80.69
	Regress Aluminum		
TA14334-3R	OA14334-3R	3	70.16
TA14336-3R	OA14336-3R	3	80.69

Note: Not available in frameless units.

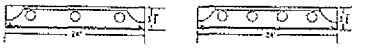
14200 SERIES



2'x4'



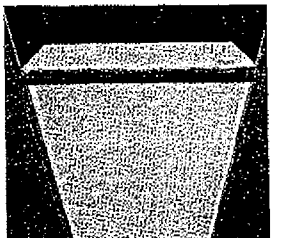
2'x2' units with two U-shaped Rapid Start lamps.



Acrylic Pattern #12 Cat. No.	Acrylic Opalux Cat. No.	Length Ft.	Each
	Frameless		
TA14212-2UR	OA14212-2UR	2	$33.58
TA14214-4R*	OA14214-4R*	4	45.50
TA14214-8R (2)*	OA14214-8R (2)*	8	90.48
	Flush Aluminum		
TA14222-2UR	OA14222-2UR	2	33.91
TA14224-4R*	OA14224-4R*	4	45.45
TA14224-8R (2)*	OA14224-8R (2)*	8	90.30
	Regress Aluminum		
TA14232-2UR	OA14232-2UR	2	35.65
TA14234-4R*	OA14234-4R*	4	47.54
TA14234-8R (2)*	OA14234-8R (2)*	8	94.48

*4-lamp units. 2 & 3 lamp units available upon request.

79200 SERIES



2'x2' & 2'x4' Lay-in Luminaires

For suspended grid mounting only.

Nom. Size. Ft.	Acrylic Pattern #12 Cat. No.	Acrylic Opalux Cat. No.	Each
	Frameless		
2x2	TA79212-2UR7	OA79212-2UR7	$ .....
2x4	TA79212-4R7	OA79212-4R7	.....
2x4	TA79214-4R7	OA79214-4R7	.....
	Flush Aluminum Framed		
2x2	TA79222-2UR7	OA79222-2UR7	.....
2x4	TA79222-4R7	OA79222-4R7	.....
2x4	TA79224-4R7	OA79224-4R7	.....
	Regressed Aluminum Framed		
2x2	TA79232-2UR7	OA79232-2UR7	.....
2x4	TA79232-4R7	OA79232-4R7	.....
2x4	TA79234-4R7	OA79234-4R7	.....

PATTERN #12 — Clear plastic panel with fine-scale prismatic pattern.

OPALUX — Translucent white plastic panel with fine-scale lattice pattern.

SWIVELIER ADJUSTABLE LIGHTING

SWIVEL UNITS

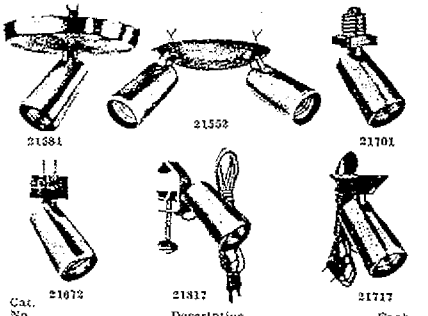


"Stay Put At Any Angle"



ANGLES 90° — ROTATES 360°

LIGHTING DEVICES

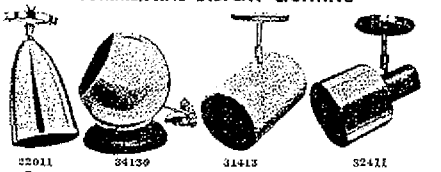


21581 21552 21701

21672 21817 21717

Cat. No.	Description	Each
21541	On Comb. Flat Plate for 3"-4" Box	$2.73
21551	On Comb. Domed Plate for 3"-4" Box	2.88
21552	2-Lite Comb. Domed Plate for 3"-4" Box	4.37
21553	3-Lite Comb. Domed Plate for 3"-4" Box	6.63
21581	On 5¼" Canopy for 3"-4" Box	3.28
21582	2-Lite on 5¼" Canopy for 3"-4" Box	5.31
21607	Portable; 2 Cond. Cord & Plug	3.67
21672	"Plug-A-Lite"; 2-Prong Plug	2.50
21673	"Plug-A-Lite"; 3-Prong Plug	2.66
21701	"Screw-in"	2.19
21705	"Screw-in"; 5" Pipe	3.43
21717	On 1⅛" x 2⅛" Plate; 2 Cond. Cord and Plug	3.28
21817	On 1" Clamp	3.98
21827	On 2" Clamp	4.37

COMMERCIAL DISPLAY LIGHTING



22011 34130 31413 32411

Cat. No.	Description	Each
22011	"Torpedo" Shade Canopy Unit	$8.59
22951	Tripoli Shade Canopy Unit	24.06
	For All 300W PAR-56 Lamps (Incl. "Cool Beam")	
32413	"Master" Cylinder Canopy Unit	12.42
32411	"Step" Cylinder Canopy Unit	12.42
34130	7" "Sun Spot", for PAR-38	6.33

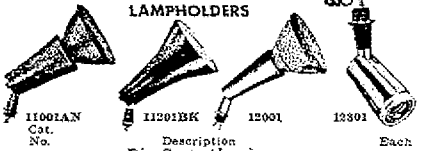
OUTDOOR LIGHTING ALUMINUM SHADE UNITS



10100 10400 14201AN

Cat. No.	Description	Each
10100BK	Samoa Shade; Black; ½" NPT Stem	$10.15
10400	"Capri" Shade; Silver Glow; ½" NPT Stem	8.99
14101	For 250W Tungsten-Halogen Lamp; ½" NPT Stem	13.28
14201AN	For 300W Tungsten-Halogen Lamp; ¾" NPT Stem	14.45
14500	For 500W PAR-Q 56; ½" NPT	18.69

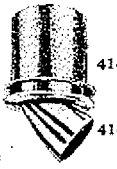
OUTDOOR ADJUSTABLE LAMPHOLDERS



11001AN 11201BK 12001 12301

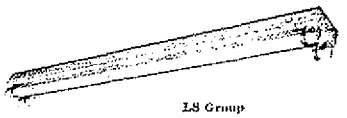
Cat. No.	Description	Each
	Die-Cast Aluminum	
11001AN	Basic; ½" NPT Stem; Silver Glow	$3.51
11201BK	Full Skirt; ½" NPT Stem; Black	6.64
	Heavy-Gauge Aluminum	
12001	"Lamphugger"; ½" NPT Stem	2.81
12301	"Rocket"; ½" NPT Stem; Chrome	2.35

RECESSED ADJUSTABLE UNITS



Cat. No.	Description	Each
	Standard Housing	
41438/49018	Lamps: Up to 150W PAR-38/2 or 250W PAR-Q 38. Finish: Face Plate & Shade; Brushed Satin Alum.	$20.25
41453/49018	Lamps: 300W PAR-56. Finish: Face Plate & Shade; White	28.44

QUIK-STRIP



LS Group

Qwik-Strip has clean smooth lines with no extending tabs. All snap-in parts, including the wireway cover, nest within the channel dimension—fit snugly on ceiling surface or even in corners. No tools required. All ballasts are Class P.

Cat. No.	No. Lamps	Length In.	Each
	SS Group		
SS-1151-TS	1-15W PH	18	$6.23
SS-1202-TS	1-20W PH	24	6.23
SS-1303-RS	1-30W RS	36	6.76
SS-1404-RS	1-40W RS	48	6.76
	LS Group		
LS-2404	2-40W RS	48	10.86
LS-2408	2-40W RS	96	20.68
LS-1968	1-75W IS	96	15.04
LS-2968	2-75W IS	96	15.04

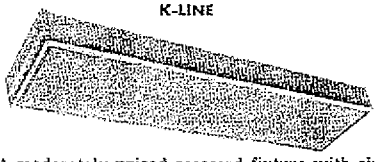
CAROLINA-LYRIC

Both the Carolina and Lyric are shallow side hinged wraparound fixtures with today's desired shallow silhouette and graceful lines. Decorative end caps which snap into the plastic enclosure are regularly packed with each fixture although they are not used when fixtures are installed in continuous rows.

The Carolina shielding is extruded with sonic-welded end closures, provided either in economical polystyrene or long life virgin acrylic. The Lyric is available only in virgin acrylic, molded in one-piece for accurate prisms and general construction details.

Cat. No.	No. Lamps	Lgths., Ft.	Each
	Carolina—Polystyrene		
NC2404	2—40W RS	4	$18.34
NC4404	4—40W RS	4	31.99
NC4408	4—40W RS	8	37.19
	Carolina — Virgin Acrylic		
ND2404	2—40W RS	4	22.39
ND4404	4—40W RS	4	35.11
ND4408	4—40W RS	8	41.56
	Lyric—Virgin Acrylic		
LY2404	2—40W RS	4	24.83
LY4404	4—40W RS	4	42.31
LY4408	4—40W RS	8	50.13

K-LINE

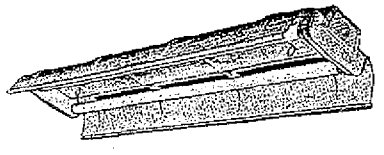


A moderately priced recessed fixture with shallow, modern styling and comfortable high-lighting efficiency for inverted T-grid ceilings.

Cat. No.	No. Lamps	Size Ft.	Each
	Polystyrene Lens		
KTWG-BC-4404	4—40W RS	2x4	$34.19
KDTWG-BC-4404	4—40W RS	2x4	37.50
KTG-BC-2404	2—40W RS	1x4	27.36
KTWG-BC-2402U*	2—40W U	2x2	31.59
	Acrylic Lens		
KTWG-BD-4404	4—40W RS	2x4	40.55
KDTWG-BD-4404	4—40W RS	2x4	43.86
KTG-BD-2404	2—40W RS	1x4	32.46
KTWG-BD-2402U*	2—40W U	2x2	35.44

*With lamps

INDUSTRIAL FLUORESCENTS
Power V Series



Designed for high-level lighting and low cost installation and maintenance. All-white porcelain enamel reflectors, all-white baked enamel channels, metalclad lampholder housings. 13⅝" wide, 6" deep.

Cat. No.	No. Lamps	Length Ft.	Each
PV10-2404	2-40W RS	4	$22.38
PV10-4408	4-40W RS	8	44.55
PV10-2968	2-75W IS	8	35.85
PV10-21008	2-100W 800ma HO	8	44.39
PV10-2V28	2-200W 1500ma	8	60.30

SYLVANIA LIGHTING EQUIPMENT

Q-LINE

Versatile, yet moderately priced industrial fluorescent. All-white channel and reflector. Easy to install and maintain. 10% uplight.

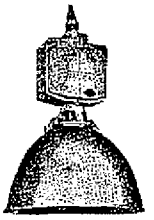
Cat. No.	No. Lamps	Length Ft.	Each
QTM-10-2404	2-40W RS	4	$18.04
QTM-10-4408	4-40W RS	8	35.33
QTM-10-2968	2-75W IS	8	27.50
QTM-10-21008	2-100W 800ma HO	8	34.76
QTM-10-2V28	2-200W 1500ma	8	49.50

ECONOMY INDUSTRIAL

Economical line of industrial fluorescents. All-white, slotted, baked enamel reflectors. Ideal for storage areas, utility rooms, garages, workshops, etc.

Cat. No.	No. Lamps	Length In.	Each
EMS-2404	2-40W RS	48	$11.86
EMS-2968	2-75W IS	96	18.83

VANGUARD INDUSTRIAL



Mercury luminaire consisting of an aluminum ballast housing with die-cast covers, die-cast aluminum socket housing with uplight, detachable aluminum reflector and mercury lamp in one package. Designed to provide high light levels for production areas. Lamps included.

Cat. No.	Light Distr.	Each
	Single 400 Watt	
VMAC-400-120C-1E	Concentrating	$75.57
VMAM-400-120C-1E	Medium	75.57
VMAS-400-120C-1E	Spread	75.57
	Dual 400 Watt	
VMAC-800-120C-2E	Concentrating	129.43
VMAM-800-120C-2E	Medium	129.43
VMAS-800-120C-2E	Spread	129.43

CARIBBEAN FLOODLIGHTS

Compact, rugged, light-weight 250 and 500 watt tungsten halogen floodlights for indoor and outdoor use. The 250W lamps offer 5,000 lumens and a 2,000-hour lamp life with no degradation in light output. Lumen maintenance is 97%. Color is excellent.

The 500W version offers 10,000 lumens and 2,000-hour life. Units are not limited to horizontal lamp operation. Lamps are single-ended. Lamps included.



SFL-135-102

Cat. No.	Description	No. Lamps	Each
SFL-135-102	½" Conduit Stem Mt'g.	250W Q/CL	$14.68
SFL-500-102	½" Conduit Stem Mt'g.	500W Q/CL	23.42

SYLVA-LITE PAR HOLDERS



PAR-380-200 PAR-380-300 PAR-380-302

Precision constructed, weatherproof PAR lampholders for indoor and outdoor use. Rugged, maintenance-free. For use with PAR-38 lamps. Die-cast aluminum housings, extra rugged porcelain sockets with heat resisting leads and silicon gaskets. Complete line of mounting hardware.

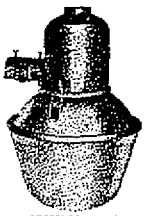
Cat. No.	Description	Each
PAR-380-302	Tapered Flair, 150W	$5.00
PAR-380-300	Straight Face, 150W	3.75
PAR-380-200	Lampholder Husk, 150W	1.88

MTH LUMINAIRES

Die-cast head can be mounted on either 1¼" or 2" mast arms. No external parts or tools necessary for change in mast arm diameters.

Package includes Luminaire, Lamp, Photo Control, 30" Mast Arm and Mounting Hardware.

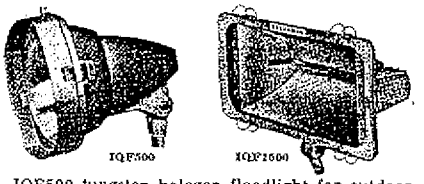
Meets N.E.M.A. type A standards.



175W Normal Power Factor

Cat. No.	Volts	Ballast	Each
MTH-175-103	120	High Reactance	$44.51
MTH-175-106	240	Reactor Mercury	43.94

IQF FLOODLIGHTS



IQF500 IQF1500

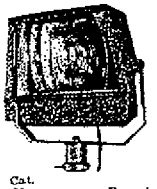
IQF500 tungsten halogen floodlight for outdoor use. Single-ended lamp, 80.7% beam efficiency, 124° beam spread. H.D. weatherproof construction. Ease of access — no tools required. Housing is IES-NEMA Class HD.

IQF1500 is designed around the T-3 tungsten halogen lamp. Double-ended lamp, 76.6% beam efficiency, 121.5° beam spread. H.D. weatherproof construction, easy maintenance. IES-NEMA Class HD. Both offer a variety of accessories and additional beam spreads.

Cat. No.	Lamps	IES Beam Type	Each
IQF500-101*	500W Q/CL	6 x 5	$30.01
IQF1500-101†	1500W T-3	6 x 5	31.80

*Lamp included. †No lamp included.

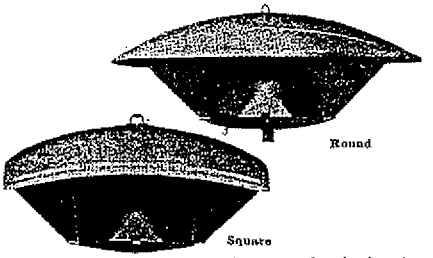
BATWING FLOODLIGHTS



Compact 400 or 1000 watt integral ballasted heavy duty outdoor mercury or Metalarc floodlights. Floodlight projects a "batwing" type distribution with exceptionally uniform horizontal beam spreads and high beam efficiencies.

Cat. No.	Description	Lamps	Each
HDF-1000-121	120V Metalarc (HPF)	M1000/BD	$239.30
HDF-1000-187	120/240V Mercury CWA (HPF)	All H-36 1000W Merc.	217.04
HDF-400-197	120/240V Metalarc (HPF)	M400/BD	147.20
HDF-400-187	120/240V Mercury CWA (HPF)	All H-33 400W Merc.	133.56

GBB ACRE-OF-LIGHT



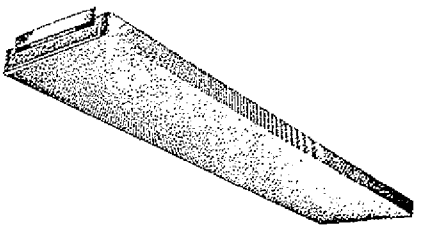
Round Square

A 4000 watt mercury or Metalarc luminaire (4-1000W lamps). Metalarc units produce 360,000 lumens with initial horizontal illumination of 5 ftc average and excellent vertical control over an acre of land. Completely factory wired. Features round or square canopy in variety of colors, built-in ballast power trays and heavy duty aluminum construction. Other types and wattages available. Lamps not included.

Cat. No.	No. Lamps	Power Pack	Each
	Round—120 Volts—HPF—1000 Watts		
GBB4000-221	4 H-36 Metalarc	Metalarc	1147.78
GBB4000-207	4 H-36 Mercury	CWA	994.74
	Square—120 Volts—HPF—1000 Watts		
GMB4000-121	4 H-36 Metalarc	Metalarc	1147.78
GMB4000-107	4 H-36 Mercury	CWA	994.74

WAKEFIELD LIGHTING LUMINAIRES

PRECISE MODULAR SERIES

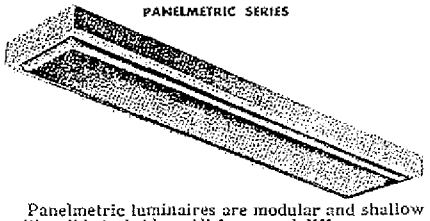


A completely luminous modular fluorescent luminaire with one-piece injection-molded refractor for on-ceiling or stem mounting. Body is of formed 20 gauge steel and all metal parts have baked-on white enamel finish. Diffuser hinges from either side without tools for ease of installation and maintenance. CBM/ETL, HPF ballasts. IBEW-AFL, UL/CSA labeled.

Cat. No.	Lamps	Size	Each
	With Styrene Refractor		
PR-214-RR	2-F40, RS	12x48"	$31.85
PR-218-T-RR	4-F40, RS*	12x96"	63.70
PR-424-RR	4-F40, RS	16x48"	35.55
PR-428-T-RR	8-F40, RS*	16x96"	100.20
	With Acrylic Refractor		
PR-214-SS	2-F40, RS	12x18"	36.15
PR-218-T-SS	4-F40, RS*	12x96"	72.35
PR-424-SS	4-F40, RS	16x48"	62.30
PR-428-T-SS	8-F40, RS*	16x96"	119.10

*Tandem.

PANELMETRIC SERIES

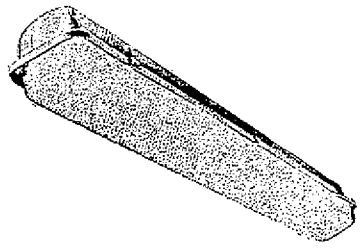


Panelmetric luminaires are modular and shallow with solid steel sides. All frame and diffuser assemblies are interchangeable with Wakefield troffers. 20 gauge steel construction; framed diffuser assembly hinges from either side for easy cleaning. CBM/ETL, HPF ballasts. IBEW, UL/CSA labeled.

Cat. No.	Lamps	Description	Each
	With Rigid-Arch .060 Styrene Refractor		
PS-214-RR	2-F40, RS	1x4' On-Surface	$33.40
PS-218-T-RR	4-F40, RS*	1x8' On-Surface	64.25
PST-422-RR	4-20TS	2x2' On-Surface	53.25
PS-424-RR	4-F40, RS	2x4' On-Surface	55.85
PS-428-T-RR	8-F40, RS*	2x8' On-Surface	111.15
	With .080 Styrene Refractor		
PS-644-RR	6-F40, RS	4x4' On-Surface	108.40
PS-844-RR	8-F40, RS	4x4' On-Surface	124.80

*Tandem.

ONR ALL-PURPOSE UNITS



An all purpose luminaire. May be used inside or outside.

Housing is seamless, one-piece anodized aluminum. The shielding which encloses the bottom of the housing is pressure formed Plexiglas*. An 18 gauge steel plate supporting the ballast and lampholders is mounted in the housing. A moisture and dust tight joint is formed between the housing and the shielding by a cushion type neoprene rubber seal. Nylon safety straps permit maintenance without removing shielding.

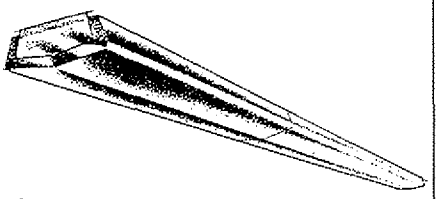
*Trademark

Cat. No.	No. of Lamps	Description	Each
ON-214	2-F40	4' Rapid Start	$41.60
For 277V ballasts, suff.x "D" to Cat. No. and add $0.75.			
ONH-214	2-48T12-HO	4' High Output	58.10
For 277V ballasts, suff.x "D" to Cat. No. — no extra charge.			

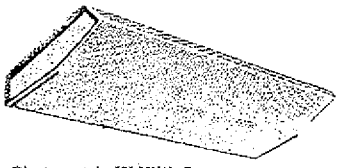
PHOTOMETRIC II AND IV SERIES

A completely new injection-molded refracting luminaire for on-ceiling or stem mounting in schools, colleges, offices, libraries, etc.

Snap-in-and-off reflector and ballast covers. Snap-in-and-out sockets. Refractor removable from either side without tools. All steel parts white enameled. CBM/ETL, HPF ballasts. IBEW, UL/CSA labeled.



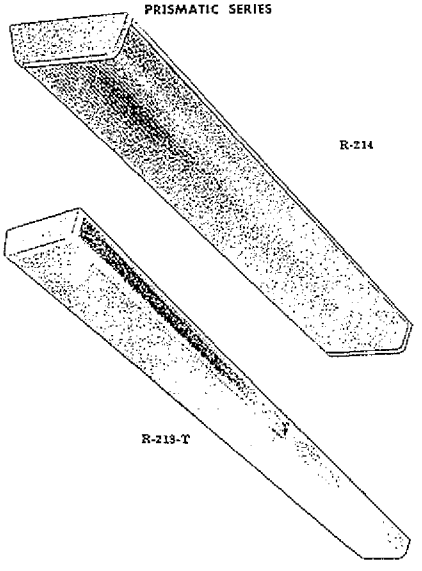
Cat. No.	Lamps	Description	Each
	Photometric II With Styrene Refractor		
PH-214-RR	2-F40, RS	4' On-Surface	$30.95
PH-218-T-RR	4-F40, RS*	8' On-Surface	61.85
	Photometric II With Acrylic Refractor		
PH-214-SS	2-F40, RS	4' On-Surface	35.20
PH-218-T-SS	4-F40, RS*	8' On-Surface	70.45



	Photometric IV With Styrene Refractor		
PH-414-RR	4-F40, RS	4' On-Surface	51.45
PH-418-T-RR	8-F40, RS*	8' On-Surface	97.45
	Photometric IV With Acrylic Refractor		
PH-414-SS	4-F40, RS	4' On-Surface	60.60
PH-418-T-SS	8-F40, RS*	8' On-Surface	115.70

*Tandem.

PRISMATIC SERIES



Prismatic luminaires are designed for virtually every commercial and institutional application for on-ceiling or stem mounting. Body is of formed 20 gauge steel with baked-on white enamel finish. Diffuser easily removed without tools and socket assembly snaps out without removing fixture from mounting. CBM/ETL, HPF ballasts. IBEW, UL/CSA labeled.

Cat. No.	Lamps	Description	Each
	With Styrene Refractor		
R-214	2-F40, RS	4' On-Surface	$14.60
R-218-T	4-F40, RS*	8' On-Surface	28.55
R-414	4-F40, RS	4' On-Surface	28.05
	With Acrylic Refractor		
R-214-AA	2-F40, RS	4' On-Surface	18.40
R-218-T-AA	4-F40, RS*	8' On-Surface	36.25
R-414-AA	4-F40, RS	4' On-Surface	31.70

*Tandem.

AMPLEX DISPLAY LIGHTING AIDS

For In-Store and Traffic Drawing Windows

SWIVELITES AND FOCALITES

Representative Items Shown — Details on Complete Line Available

Swivelites have instant positive, finger-touch, universal positioning that stays put—plus airflow ventilated hoods for longer bulb life. Durable decorator finishes withstand operational heat. Unique "Adapt-A-Unit" principal plus many hood styles allows complete interchange of all parts; permits flexibility in adapting to new lighting requirements using minimum parts inventory.

Available in the following styles: socket and hood units in single and multiple clusters, screw-ins, clamp-ons, canopy models, portables and electrical raceway types including Bulldog "ULD Lighting Duct", GE "LW Busway" and Wiremold Plugmold.



Model No. C11SH/S
$8.08



Model No. C11SH
$8.08



Model No. C11
$2.95



Model No. C12SH
$10.19



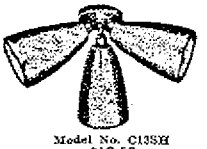
Model No. C11SH18
$11.19



Model No. C12
$5.06



Model No. C12SH/S
$10.19



Model No. C13SH
$12.52



Model No. N10
$2.17



Model No. CO
$4.35

Color Clip



Model No. B-1
$6.07



Model No. CCB-
$2.64
(Color Filters Extra)



Model No. B-5
$6.30



Model No. B-3
$6.15



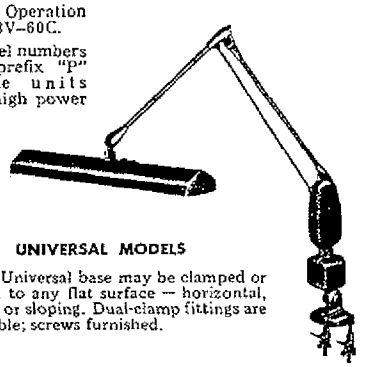
Model No. B-7
$6.38

Note: Prices do not include lamps.

DAZOR *FLOATING-ARM* AND ADJUSTABLE-ARM LAMPS

For Operation on 118V–60C.

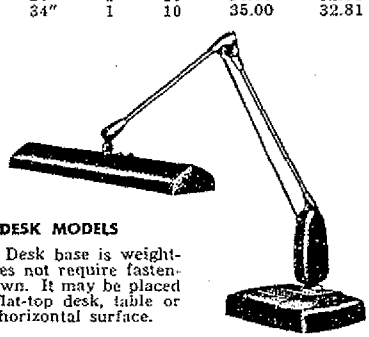
Model numbers with prefix "P" indicate units with high power factor.



UNIVERSAL MODELS

The Universal base may be clamped or screwed to any flat surface — horizontal, vertical or sloping. Dual-clamp fittings are removable; screws furnished.

Model No.	Arm Extension	Standard Packing	Shipping Wt., Lbs.	Each — Less 6	Each — 6 or Over
		For Two T8 15-Watt Tubes			
2124	24"	1	10	$31.80	$29.81
2134	34"	1	10	31.80	29.81
P-2124	24"	1	10	35.00	32.81
P-2134	34"	1	10	35.00	32.81
		For Three T8 15-Watt Tubes			
124A3	24"	1	10	35.00	32.81
134A3	34"	1	10	35.00	32.81



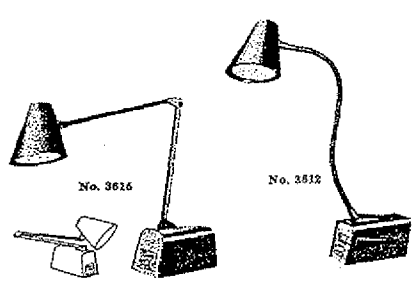
DESK MODELS

The Desk base is weighted, does not require fastening down. It may be placed on a flat-top desk, table or other horizontal surface.

Model No.	Arm Extension	Standard Packing	Shipping Wt., Lbs.	Each — Less 6	Each — 6 or Over
		For Two T8 15 Watt Tubes			
2324	24"	1	19	$38.20	$35.81
P-2324	24"	1	19	41.40	38.81
		For Three T8 15-Watt Tubes			
318A3	18"	1	10	41.40	38.81

Standard Finish: Statuary-bronze baked enamel over bonderizing. Optional: gray, frost-green or frost-tan.

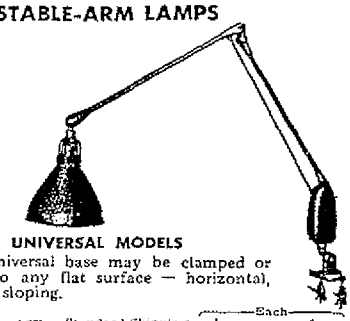
MINIATURE HI-INTENSITY FIXTURES



No. 3615 Folding-Arm Model—Solid-brass jointed arms. Universal swivel on Air-Cooled reflector. Morocco leatherette in statuary-bronze finish. Available colors: frost-green, frost-tan, ebony, colonial white, gray and Biscayne blue. Three No. 1073 bulbs furnished.

No. 3612 Flexible-Arm Model — Chrome-plated, 10½" flexible arm with swivel on Air-Cooled reflector. Smooth surface in statuary-bronze finish. Available colors: frost-green, frost-tan, ebony, colonial white, gray and Biscayne blue. Two No. 1073 bulbs furnished.

Model No.	Arm Extension	Standard Packing	Shipping Wt., Lbs.	— Each — Less 6	— Each — 6 or Over
3615	. . .	1	3	$15.80	$14.81
3612	10-1/2"	1	2-1/2	11.80	11.06

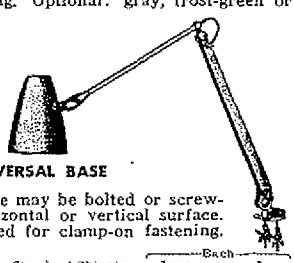


UNIVERSAL MODELS

The Universal base may be clamped or screwed to any flat surface — horizontal, vertical or sloping.

Model No.	Arm Extension	Standard Packing	Shipping Wt., Lbs.	Each — Less 6	Each — 6 or Over
		Bullet Reflector — 100-W A-19 Bulb			
3602	24"	1	8	$25.80	$24.19
3603	34"	1	9	25.80	24.19
		Wide Reflector — Any A-19 Bulb			
2602	24"	1	9	25.40	23.81
2603	34"	1	9	25.40	23.81
		Top-Mounted Reflector — 60-W Bulb			
602	24"	1	8	23.00	21.56
603	34"	1	8	23.00	21.56

Standard Finish: Statuary-bronze baked enamel over bonderizing. Optional: gray, frost-green or frost-tan.

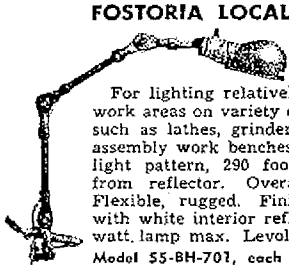


UNIVERSAL BASE

L-shaped base may be bolted or screwed to any horizontal or vertical surface. Fittings supplied for clamp-on fastening. Finish: gray.

Model No.	Arm Extension	Standard Packing	Shipping Wt., Lbs.	Each — Less 6	Each — 6 or Over
		Bullet Reflector — 100-W A-19 Bulb			
1104	31"	1	6	$21.00	$19.69
1105	20"	1	6	21.00	19.69
		Side-Mounted Reflector — 60-W Bulb			
1102	31"	1	6	$20.20	$18.94
1103	20"	1	6	20.20	18.94
		Top-Mounted Reflector — 60-W Bulb			
1100	31"	1	6	$18.20	$17.06
1101	20"	1	6	18.20	17.06

FOSTORIA LOCALITES

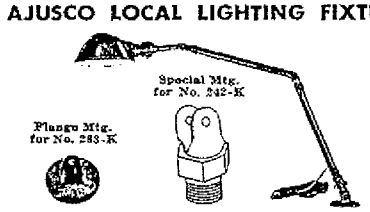


MODEL 55-BH-701

For lighting relatively small critical work areas on variety of machine tools such as lathes, grinders, drill presses, assembly work benches. Provides oval light pattern, 290 footcandles at 12" from reflector. Overall length 36". Flexible, rugged. Finish vista green with white interior reflector. Uses 100 watt lamp max. Levolier switch.

Model 55-BH-701, each $18.00

AJUSCO LOCAL LIGHTING FIXTURES



Simple, swift, one-hand adjustment — never "lock" or slip. Heavy gauge steel tubing and rugged cast iron precision machined to close tolerances. Universal swivel joints. The Ajusco-loc socket is guaranteed not to break, kink, twist or pull apart. Overall length: 45".

No. 263-K — Heavy duty cast iron flange for mounting to machine, wall, bench or table. Wired with 8' SPT-2 cord set with molded plug .....Each $18.80

No. 242-K — Special mounting base is precision machined from solid steel stock — ½" iron pipe male threads. 16" leads of Type TFF oil-resistant machine tool wire pass through base into condulet, outlet box or standard floor flange .....Each $19.50

PAR LIGHT INDOOR-OUTDOOR FLOODLIGHTS

QUARTZ IODINE FLOODLIGHTS



No. LL-1501A

For football and baseball fields, golf driving ranges, par-3, miniature golf courses, swimming pools, tennis courts, parking lots, etc. For use with T3Q-CL quartz iodine lamps. Lamps not included.

Cat. No.	Reflector	Each
	1500 Watt — 240 Volts	
LL-1501A-NSP	Narrow Spot w/¾" knuckle	$33.00
LL-1501A-MFL	Medium Flood w/¾" knuckle	33.00
LL-1501A-WFL	Wide Flood w/¾" knuckle	33.00
	500 Watt — 120 Volts	
LL-501A-NSP	Narrow Spot w/¾" knuckle	34.65
LL-501A-MFL	Medium Flood w/¾" knuckle	34.65
LL-501A-WFL	Wide Flood w/¾" knuckle	34.65

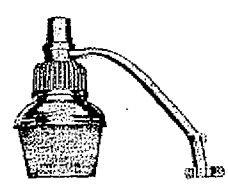
CROSS ARM BRACKET



Mounting bracket complete. Will accept 5 — 501A or 4 — 1501A for mounting on 3" — 2 1/2" or 2" pipe.

CMB . . . . . Each $16.20

NIGHT WATCHMAN JR. MERCURY VAPOR LUMINAIRES



For industrial parking, home and farm yards, plant security, highway rest areas, marinas, truck terminals, loading docks, etc. For use with 100 watt lamps, 120 volts.

Furnished complete with 3' arm and mounting bracket hardware.

Cat. No.	Description	Each
LL-100MV1W/E	W/photo cell, less lamp	$57.35
LL-100MV1L/E	Less photo cell & lamp	48.25

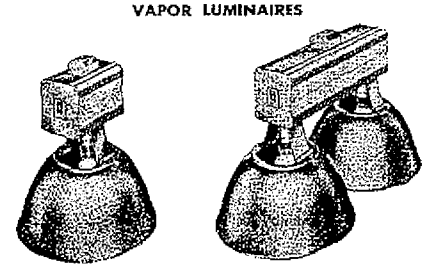
MERCURY VAPOR POLE TOP LIGHTER



For campus pathways, motel, hotel and hospital lawns, parks, etc. Furnished complete with ballast, less photo control and lamp. For use with 100 or 175 watt lamps, 120 volts.

No. LL-100MV3L/E(100 watt) .....Each $38.40
No. LL-175MV3L/E(175 watt) .....Each 52.20

INDOOR HIGH BAY MERCURY VAPOR LUMINAIRES



No. AR-40A Single — No. AR-240A Twin

This industrial lighting fixture combines ease of maintenance and installation into an efficiently designed integral package. Available in single or twin 400 watt with CWA ballast in all voltage types.

Cat. No.	Light Distribution	Each
	Single Units	
AR-40A-120V*	Medium Spread	$64.43
AR-40B-120V*	Broad Spread	64.43
	Twin Units	
AR-240A-120V*	Medium Spread	108.59
AR-240B-120V*	Broad Spread	108.59

*For 208, 277, 240 or 480 voltage, change the last 3 digits when ordering.

Starlight

SL-1100 ILLUSTRATED INDEX

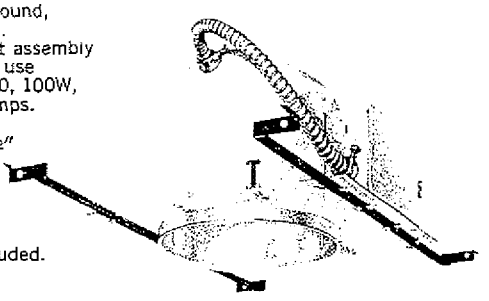
Prices Effective January 1, 1971. *Prices subject to change without notice.*

Built-in recessed lighting

ADJUST-ALL ROUND RECESSED HOUSING

Fits all trim and glass shown.

R1 Pre-wired, round, recessed housing. Adjustable socket assembly permits efficient use of 75W, 75W R-30, 100W, or 150W R-40 lamps. 14 gauge outlet box. Housing 7½" high. Diameter 6⅞". Plaster frame opening 7⅛"; overall size 9" x 11". Bar hangers included.



Trim and Glass for 100 Watt Standard Lamps



Trim with bent glass. Outside diameter 8".
R201-B Satin brass.
R201-C Chromium.
R201-W Baked white.



Trim with drop opal glass. Outside diameter 8".
R203-A Satin aluminum.
R203-W Baked white.



R206 Wall wash unit for dramatic light distribution. Diameter 8"; inner rim rotates 360° for directional effect. Baked white finish. Mount 3' from wall and 3' apart. Spreads even light across wall.

R208 All glass hand-blown opal trim. Outside diameter 8⅜". Depth 1⅝".

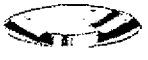
Trim for 75 Watt R-30 Reflector Lamps



Decorative adjustable spot. Diameter 8", adjusts 31° vertical; 358° rotation.
R230-A Satin aluminum.
R230-B Satin brass.
R230-W Baked white.



Small aperture trim. Outside diameter 8". Inside diameter 2".
R234-W Baked white.



Open trim. Outside diameter 8"
R232-B Satin brass.
R232-C Chromium.
R232-W Baked white.



Louvered trim. Outside diameter 8".
R233-B Satin brass.
R233-W Baked white.

Trim for 150 Watt R-40 Reflector Lamps



Open trim. Outside diameter 8".
R240-B Satin brass.
R240-C Chromium.
R240-W Baked white.



Louvered trim. Outside diameter 8".
R241-B Satin brass.
R241-C Chromium.
R241-W Baked white.



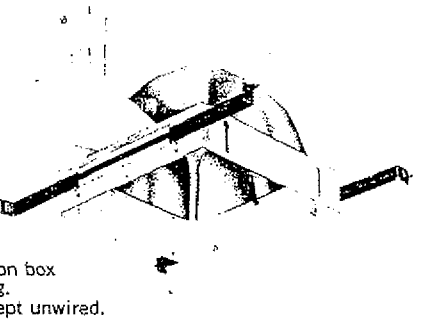
R243 Decorative vinyl walnut trim. Outside diameter 8⅜". Depth 1".

NEW SQUARE RECESSED HOUSINGS

Save 30% on Installation Time

R2 Pre-wired 100 watt housing. Housing size 8⅛" square; 5⅛ deep. Finish opening 8⅜" square 14 gauge junction box extends 4" from housing.
RU2 Same as R2, except unwired.

R3 Pre-wired 150 watt housing. Housing size 10⅛" square; 5⅛" deep. Finish opening 10⅜" square. 14 gauge junction box extends 4" from housing.
RU3 Same as R3, except unwired.



100 Watt Trim and Glass for R2 and RU2 Housings



Trim with flat Alba-Lite glass. Overall trim size 9¼" x 9¼".
R20-A Satin aluminum.
R20-B Satin brass.
R20-C Chromium.
R20-CP Antique copper.
R20-W Baked white.

Trim with opal glass. Overall trim size 9¼" x 9¼". Depth 1¼".
R21-A Satin aluminum.
R21-B Satin brass.
R21-C Chromium.
R21-W Baked white.

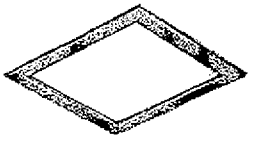




Trim with Fresnel lens. Overall trim size 9¼" x 9¼".
R22-C Chromium.
R22-W Baked white.

R23 Hand-blown opal all glass trim. Overall trim size 10⅜" x 10⅜". Depth 2¼".

150 Watt Trim and Glass for R3 and RU3 Housings



Trim with Alba-Lite glass. Overall trim size 11¼" x 11¼".
R30-A Satin aluminum.
R30-B Satin brass.
R30-C Chromium.
R30-CP Antique copper.
R30-W Baked white.

Trim with drop opal glass. Overall trim size 11¼" x 11¼". Depth 1¼".
R31-A Satin aluminum.
R31-B Satin brass.
R31-C Chromium.
R31-W Baked white.





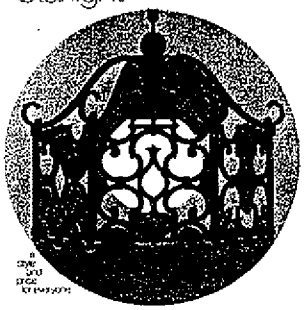
Trim with Fresnel lens. Overall trim size 11¼" x 11¼".
R32-C Chromium.
R32-W Baked white.

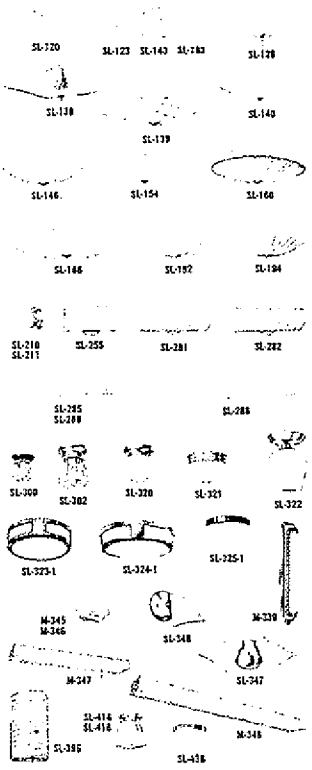
R33 Hand-blown opal all glass trim. Overall trim size 12¼" x 12¼". Depth 2½".

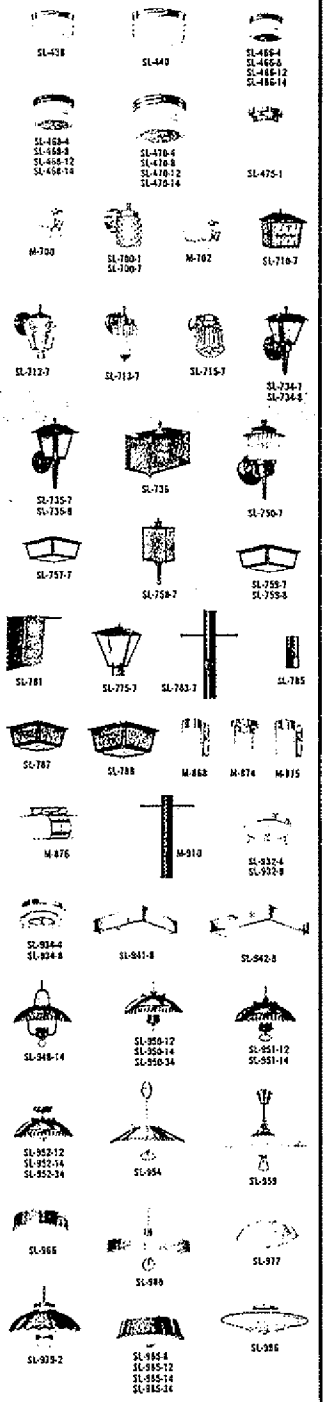
Starlight a styl

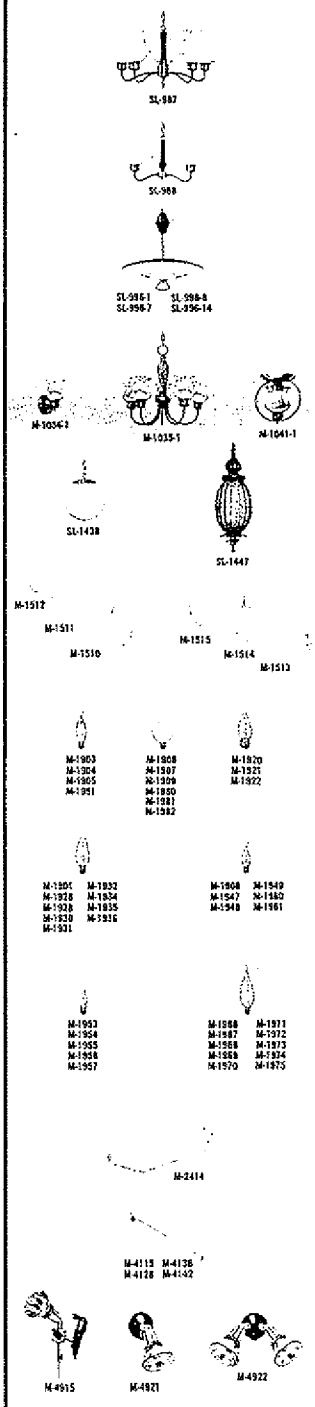
Starlight

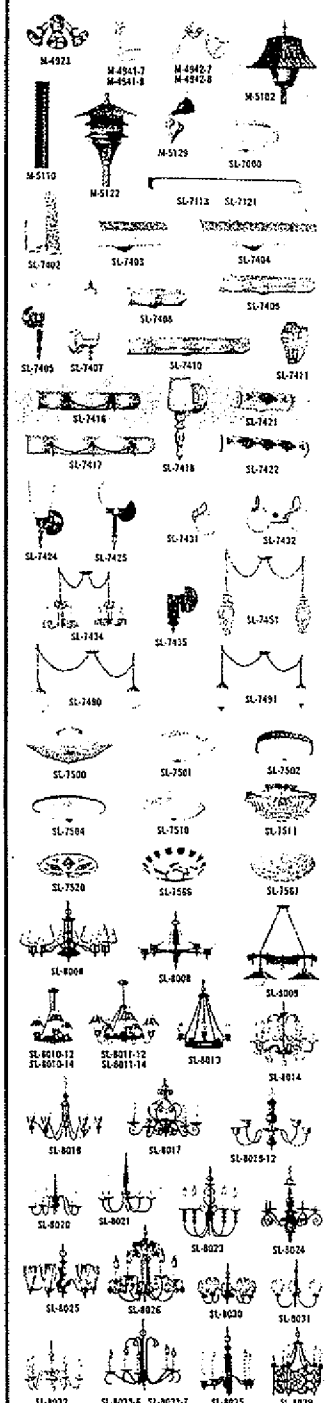
THOMAS



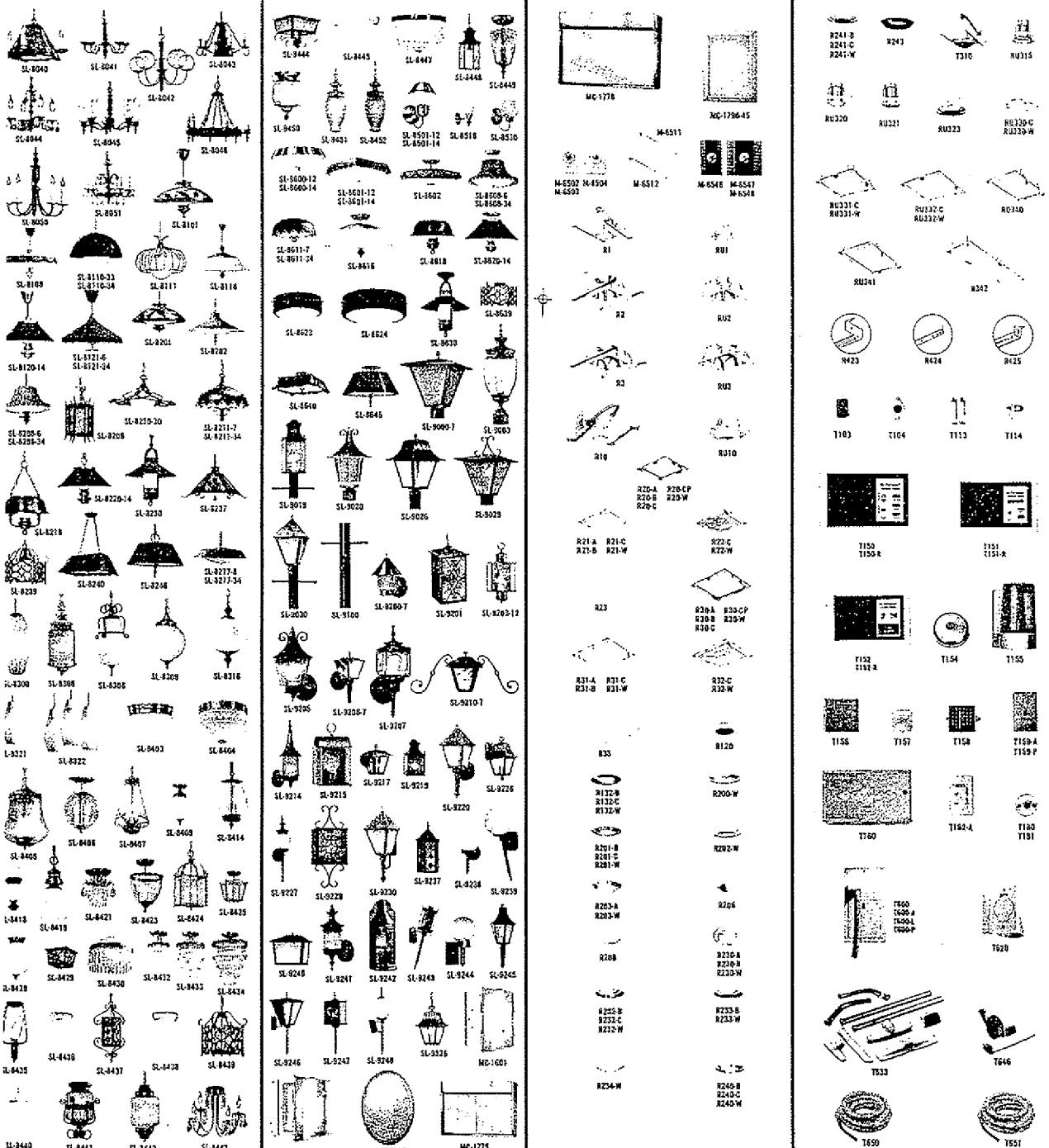








nd price for everyone



HEADQUARTERS FOR HOME LIGHTING

CALL YOUR NEAREST GRAYBAR OFFICE FOR ANY RESIDENTIAL LIGHTING REQUIREMENT

Prices Effective January 1, 1971 — Prices slightly higher West of Denver

Distributed by GraybaR ELECTRIC COMPANY

Fixture No.	Sugg. Whsle. Price
SL-120	1.61
SL-123	1.27
SL-126	2.16
SL-138	2.97
SL-139	5.71
SL-140	2.40
SL-143	2.01
SL-146	4.59
SL-154	2.97
SL-160	9.30
SL-163	3.51
SL-166	6.98
SL-192	3.67
SL-194	5.61
SL-210	1.45
SL-211	2.01
SL-255	2.25
SL-281	2.37
SL-282	2.52
SL-285	4.84
SL-286	5.11
SL-288	8.25
SL-300	1.23
SL-302	1.27
SL-320	1.53
SL-321	2.37
SL-322	5.11
SL-323-1	6.51
SL-324-1	9.90
SL-325-1	4.71
M-339	5.79
M-345	8.97
M-346	8.78
SL-346	4.59
SL-347	7.34
M-347	13.05
M-348	15.30
SL-396	2.61
SL-416	2.11
SL-418	2.37
SL-436	2.49
SL-438	3.21
SL-440	4.17
SL-466-4	1.80
SL-466-8	1.65
SL-466-12	2.45
SL-466-14	2.45
SL-468-4	2.43
SL-468-8	2.25
SL-468-12	3.51
SL-468-14	3.51
SL-470-4	3.60
SL-470-8	3.31
SL-470-12	4.29
SL-470-14	4.29
SL-475-1	2.31
M-700	2.01
SL-700-1	2.55
SL-700-7	2.04
M-702	1.83
SL-710-7	4.59
SL-712-7	3.09
SL-713-7	3.81
SL-715-7	1.20
SL-734-7	6.45
SL-734-8	6.45
SL-735-7	8.18
SL-735-8	8.18
SL-736	5.85
SL-750-7	4.35
SL-757-7	3.00
SL-758-7	9.30
SL-759-7	3.69
SL-759-8	3.69
SL-761	5.61
SL-775-7	9.30
SL-783-7	8.90
SL-785	8.25
SL-787	5.71
SL-788	6.57
M-868	8.00
M-874	4.40
M-875	6.05
M-876	13.47
M-910	8.70
SL-932-4	7.34
SL-932-8	6.69
SL-934-4	8.54
SL-934-8	8.01
SL-941-8	9.38
SL-942-8	11.70
SL-948-14	11.10
SL-950-12	18.45
SL-950-14	18.45
SL-950-34	18.45
SL-951-12	14.61
SL-951-14	14.61
SL-952-12	13.70
SL-952-14	13.70
SL-952-34	13.70
SL-954	22.62
SL-959	22.11
SL-966	6.05
SL-968	21.09
SL-977	3.67
SL-979-2	9.09
SL-985-8	4.95
SL-985-12	4.95
SL-985-14	4.95
SL-985-34	4.95
SL-986	9.09
SL-987	23.60
SL-988	17.52
SL-996-1	11.85
SL-996-7	8.10
SL-996-8	8.10
SL-996-14	11.78
M-1034-1	3.21
M-1035-1	17.67
M-1041-1	5.57
SL-1438	6.39
SL-1447	22.25
M-1510	5.61
M-1511	7.50
M-1512	10.41
M-1513	4.71
M-1514	6.09
M-1515	9.38
M-1901	.29
M-1903	.29
M-1904	.29
M-1905	.36
M-1906	.37
M-1907	.37
M-1908	.27
M-1909	.37
M-1920	.27
M-1921	.36
M-1922	.36
M-1926	.27
M-1928	.29
M-1930	.27
M-1931	.29
M-1932	.29
M-1934	.27
M-1935	.29
M-1936	.29
M-1947	.27
M-1948	.27
M-1949	.27
M-1951	.36
M-1953	.17
M-1954	.17
M-1955	.17
M-1956	.17
M-1957	.17
M-1960	.27
M-1961	.27
M-1966	.28
M-1967	.28
M-1968	.28
M-1969	.37
M-1970	.48
M-1971	.28
M-1972	.28
M-1973	.28
M-1974	.37
M-1975	.48
M-1980	.29
M-1981	.29
M-1982	.29
M-2414	26.10
M-4115	3.44
M-4126	5.91
M-4136	6.95
M-4142	6.95
M-4915	7.41
M-4921	3.54
M-4922	6.24
M-4923	8.75
M-4941-7	6.05
M-4941-8	6.05
M-4942-7	11.45
M-4942-8	11.45
M-5102	14.34
M-5110	5.71
M-5122	14.34
M-5129	10.10
SL-7000	13.94
SL-7113	13.29
SL-7121	12.45
SL-7402	5.71
SL-7403	9.08
SL-7404	13.40
SL-7405	8.94
SL-7407	7.86
SL-7408	5.67
SL-7409	9.45
SL-7410	13.29
SL-7411	12.93
SL-7416	10.64
SL-7417	15.29
SL-7418	5.97
SL-7421	4.17
SL-7422	5.61
SL-7424	5.61
SL-7425	7.29
SL-7431	5.61
SL-7432	10.70
SL-7434	28.70
SL-7435	8.54
SL-7451	25.32
SL-7490	23.60
SL-7491	21.44
SL-7500	7.59
SL-7501	12.80
SL-7502	16.44
SL-7504	11.45
SL-7510	2.43
SL-7511	7.19
SL-7520	5.70
SL-7566	4.70
SL-7567	4.70
SL-8006	40.85
SL-8008	24.95
SL-8009	27.99
SL-8010-12	33.44
SL-8010-14	33.44
SL-8011-12	52.16
SL-8011-14	52.16
SL-8013	28.70
SL-8014	37.97
SL-8016	43.55
SL-8017	39.50
SL-8019-12	28.70
SL-8020	19.17
SL-8021	14.37
SL-8023	22.34
SL-8024	45.87
SL-8025	37.10
SL-8026	20.37
SL-8030	18.44
SL-8031	12.50
SL-8032	19.05
SL-8033-6	22.94
SL-8033-7	22.94
SL-8035	28.32
SL-8039	35.75
SL-8040	42.87
SL-8041	35.75
SL-8042	35.75
SL-8043	39.32
SL-8044	19.94
SL-8045	35.75
SL-8046	32.07
SL-8050	19.94
SL-8051	28.50
SL-8101	30.05
SL-8108	25.14
SL-8110-33	8.18
SL-8110-34	8.18
SL-8111	11.25
SL-8116	25.82
SL-8120-14	26.16
SL-8121-6	17.90
SL-8121-34	17.90
SL-8201	26.16
SL-8202	24.27
SL-8208-6	16.17
SL-8208-34	16.17
SL-8209	27.17
SL-8210-30	14.97
SL-8211-7	16.85
SL-8211-34	16.85
SL-8218	21.44
SL-8220-14	21.44
SL-8230	7.94
SL-8237	25.14
SL-8239	25.14
SL-8240	35.75
SL-8246	18.57
SL-8277-8	5.07
SL-8277-34	5.07
SL-8300	10.17
SL-8306	16.10
SL-8308	16.10
SL-8309	9.45
SL-8316	21.44
SL-8321	5.31
SL-8322	14.61
SL-8403	3.15
SL-8404	5.08
SL-8405	23.30
SL-8406	14.69
SL-8407	29.37
SL-8409	8.01
SL-8414	8.49
SL-8418	11.99
SL-8419	16.10
SL-8421	12.12
SL-8423	16.44
SL-8424	22.62
SL-8425	15.77
SL-8428	8.25
SL-8429	8.54
SL-8430	8.54
SL-8432	11.37
SL-8433	13.70
SL-8434	17.85
SL-8435	14.28
SL-8436	2.07
SL-8437	28.70
SL-8438	3.04
SL-8439	17.90
SL-8440	6.15
SL-8441	12.50
SL-8442	12.12
SL-8443	22.25
SL-8444	15.77
SL-8445	2.71
SL-8447	8.25
SL-8448	25.14
SL-8449	12.80
SL-8450	4.29
SL-8451	10.70
SL-8452	11.45
SL-8501-12	6.31
SL-8501-14	6.31
SL-8516	10.10
SL-8530	4.97
SL-8600-12	9.69
SL-8600-14	9.69
SL-8601-12	15.45
SL-8601-14	15.45
SL-8602	20.37
SL-8608-6	12.32
SL-8608-34	12.32
SL-8611-7	13.34
SL-8611-34	13.34
SL-8616	16.85
SL-8618	16.37
SL-8620-14	18.39
SL-8623	4.47
SL-8624	6.31
SL-8630	6.31
SL-8639	21.57
SL-8640	22.25
SL-8646	17.18
SL-9000-7	12.57
SL-9003	16.85
SL-9019	29.37
SL-9020	15.02
SL-9026	18.57
SL-9029	14.28
SL-9030	15.69
SL-9100	13.77
SL-9200-7	7.10
SL-9201	13.61
SL-9203-12	13.07
SL-9205	8.54
SL-9206-7	7.77
SL-9207	7.86
SL-9210-7	16.94
SL-9214	11.31
SL-9215	14.28
SL-9217	5.25
SL-9219	13.47
SL-9220	12.39
SL-9226	11.30
SL-9227	16.71
SL-9229	9.80
SL-9230	20.76
SL-9237	15.69
SL-9238	4.41
SL-9239	9.50
SL-9240	3.75
SL-9241	6.31
SL-9242	14.34
SL-9243	20.76
SL-9244	11.24
SL-9245	14.15
SL-9246	15.69
SL-9247	11.37
SL-9248	10.70
SL-9326	13.29
MC-1601	10.70
MC-1652	31.40
MC-1769-27	38.45
MC-1775	19.25
MC-1776	24.47
MC-1796-27	25.49
MC-1796-45	25.49
M-6502	6.21
M-6503	8.10
M-6504	5.31
M-6511	39.00
M-6512	11.10
M-6546	24.99
M-6547	47.38
M-6548	59.98

RECESSED LIGHTING

R1	5.23
RU1	3.83
R2	4.20
RU2	2.73
R3	5.79
RU3	4.07
R10	4.29
RU10	2.49
R20-A	3.67
R20-B	3.15
R20-C	3.15
R20-CP	3.15
R20-W	2.79
R21-A	5.55
R21-B	5.01
R21-C	5.01
R21-W	4.41
R22-C	5.49
R22-W	5.19
R23	8.90
R30-A	4.27
R30-B	3.96
R30-C	3.96
R30-CP	3.96
R30-W	3.45
R31-A	6.31
R31-B	5.67
R31-C	5.67
R31-W	5.11
R32-C	6.51
R32-W	6.00
R33	12.09
R120	2.79
R132-B	1.87
R132-C	1.87
R132-W	1.71
R200-W	2.71
R201-B	2.79
R201-C	2.79
R201-W	2.47
R202-W	3.39
R203-A	3.96
R203-W	3.27
R206	6.51
R208	6.31
R230-A	7.96
R230-B	7.65
R230-W	7.29
R232-B	1.87
R232-C	1.87
R232-W	1.77
R233-B	3.07
R233-W	3.15
R234-W	2.49
R240-B	1.87
R240-C	1.87
R240-W	1.67
R241-B	3.15
R241-C	3.15
R241-W	2.91
R243	6.09
T310	6.16
RU315	4.95
RU320	4.17
RU321	5.11
RU323	5.49
RU330-C	3.67
RU330-W	3.45
RU331-C	4.41
RU331-W	3.96
RU332-C	5.85
RU332-W	5.01
RU340	4.51
RU341	6.51
R342	15.30
R423	.91
R424	.75
R425	.81

SECURITY SYSTEMS

T103	1.93
T104	1.47
T113	2.67
T114	1.20
T150	46.50
T150-R	—
T151	39.90
T151-R	—
T152	33.30
T152-R	—
T154	16.77
T155	13.29
T156	19.94
T157	5.31
T158	14.37
T159	14.61
T159-P	29.22
T160	53.36
T162	10.65
T163	3.39
T165	9.98
T171	2.37
T172	3.99
T173	1.19
T174	2.54
T175	5.31
T180	2.01
T181	2.01

BUILT-IN VACUUMS

T600	101.68
T600-A	7.33
T600-L	94.48
T600-P	91.48
T620	10.17
T633	19.65
T646	17.54
T650	17.54
T651	21.74
T661	3.51

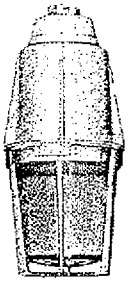
ALL PRICES QUOTED ARE FOR STANDARD QUANTITY

APPLETON VAPORTIGHT LIGHTING FIXTURES

MERCURY VAPOR MERCMASTER

For use with Threaded Rigid Conduit

Vaportight (Enclosed and Gasketed) Mercury Vapor Fixtures with integral in-head ballast. Copper-Free Aluminum (less than 3/10 of 1% maximum copper content) hood, housing and guard. Epoxy finish resists attack by corrosive atmospheres. Patented Unitized construction with collector ring and terminal block eliminates need for field wiring in Fixture, allows use of standby system for service. Aluminum inner reflector for more efficient light utilization. Mounts instantly to any existing V-51 mounting hood for conversion from incandescent to mercury vapor. For fixtures less guard, omit suffix "G" from catalog number, and subtract price of guard.



75 and 100 Watt Med. Base, Normal Power Factor



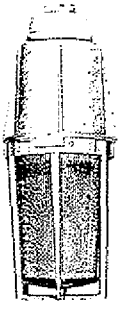
100 Watt Med. Base High Power Factor

Cat. No.	Hub Size	Volts	Std. Pkg.	Each
75 WATT MEDIUM BASE—NORMAL POWER FACTOR				
VMA7575G-120	¾"	120	6	$40.30
VMA7575G-208		208	6	40.30
VMA7575G-240		240	6	40.30
VMA7575G-277		277	6	40.30
VMA75100G-120	1"	120	6	$40.40
VMA75100G-208		208	6	40.40
VMA75100G-204		240	6	40.40
VMA75100G-277		277	6	40.40
100 WATT MEDIUM BASE—NORMAL POWER FACTOR				
VMAJ1075G-120	¾"	120	6	$40.30
VMAJ1075G-208		208	6	40.30
VMAJ1075G-240		240	6	40.30
VMAJ1075G-277		277	6	40.30
VMAJ10100G-120	1"	120	6	$40.40
VMAJ10100G-208		208	6	40.40
VMAJ10100G-240		240	6	40.40
VMAJ10100G-277		277	6	40.40
100 WATT MEDIUM BASE—HIGH POWER FACTOR				
VMAHJ1075G-120	¾"	120	3	$60.15
VMAHJ1075G-208		208	3	60.15
VMAHJ1075G-240		240	3	60.15
VMAHJ1075G-277		277	3	60.15
VMAHJ10100G-120	1"	120	3	$60.25
VMAHJ10100G-208		208	3	60.25
VMAHJ10100G-240		240	3	60.25
VMAHJ10100G-277		277	3	60.25

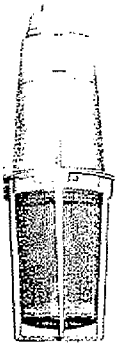
MERCURY VAPOR MERCMASTER

For use with Threaded Rigid Conduit

For Fixture less guard, omit suffix "G" in Catalog number and subtract price of guard.



100 and 175W Mogul Base Normal Power Factor

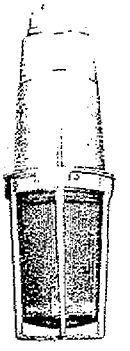


100 and 175W Mogul Base High Power Factor

Cat. No.	Hub Size	Volts	Std. Pkg.	Each
100 WATT MOGUL BASE—NORMAL POWER FACTOR				
VMA1075G-120	¾"	120	6	$42.20
VMA1075G-208		208	6	42.20
VMA1075G-240		240	6	42.20
VMA1075G-277		277	6	42.20
VMA10100G-120	1"	120	6	$42.30
VMA10100G-208		208	6	42.30
VMA10100G-240		240	6	42.30
VMA10100G-277		277	6	42.30
160 WATT MOGUL BASE—HIGH POWER FACTOR				
VMAH1075G-120	¾"	120	3	$62.05
VMAH1075G-208		208	3	62.05
VMAH1075G-240		240	3	62.05
VMAH1075G-277		277	3	62.05
VMAH10100G-120	1"	120	3	$62.15
VMAH10100G-208		208	3	62.15
VMAH10100G-240		240	3	62.15
VMAH10100G-277		277	3	62.15
175 WATT MOGUL BASE—NORMAL POWER FACTOR				
VMA1775G-120	¾"	120	6	$48.90
VMA1775G-208		208	6	48.90
VMA1775G-240		240	6	48.90
VMA1775G-277		277	6	48.90
VMA17100G-120	1"	120	6	$49.00
VMA17100G-208		208	6	49.00
VMA17100G-240		240	6	49.00
VMA17100G-277		277	6	49.00
175 WATT MOGUL BASE—HIGH POWER FACTOR				
VMAH1775G-120	¾"	120	3	$67.70
VMAH1775G-208		208	3	67.70
VMAH1775G-240		240	3	67.70
VMAH1775G-277		277	3	67.70
VMAH17100G-120	1"	120	3	$67.80
VMAH17100G-208		208	3	67.80
VMAH17100G-240		240	3	67.80
VMAH17100G-277		277	3	67.80

MERCURY VAPOR MERCMASTER

For Fixture less guard, omit suffix "G" in Catalog number and subtract price of guard.



100 or 175W Mogul Base Constant Wattage

Constant Wattage Fixtures are supplied with stabilized autotransformer ballasts for a stabilized light output, lower line starting currents and low line extinguishing voltages. Heat resistant glass globe used on 175W fixture. For fixtures without guard, omit suffix "G" from catalog number, and subtract price of guard.

Cat. No.	Hub Size	Volts	Std. Pkg.	Each
100 WATT MOGUL BASE—CONSTANT WATTAGE				
VMAC1075G-120	¾"	120	3	$66.00
VMAC1075G-208		208	3	66.00
VMAC1075G-240		240	3	66.00
VMAC1075G-277		277	3	66.00
VMAC1075G-480		480	3	66.00
VMAC10100G-120	1"	120	3	$66.10
VMAC10100G-208		208	3	66.10
VMAC10100G-240		240	3	66.10
VMAC10100G-277		277	3	66.10
VMAC10100G-480		480	3	66.10
175 WATT MOGUL BASE—CONSTANT WATTAGE				
VMAC1775G-120	¾"	120	3	$72.70
VMAC1775G-208		208	3	72.70
VMAC1775G-240		240	3	72.70
VMAC1775G-277		277	3	72.70
VMAC1775G-480		480	3	72.70
VMAC17100G-120	1"	120	3	$72.80
VMAC17100G-208		208	3	72.80
VMAC17100G-240		240	3	72.80
VMAC17100G-277		277	3	72.80
VMAC17100G-480		480	3	72.80

MERCMASTER CONVERSION ADAPTER KIT

The use of this kit allows quick, safe conversion of certain vaportight fixtures of other manufacturers to Mercmaster. Kit consists of an aluminum threaded adapter and phenolic socket adapter. Converts Adalet, Crouse-Hinds, Killark, Pyle National, Russell & Stoll, Steber Forms 100 and 200 Watts.



VMAD

Cat. No.	Description	Std. Pkg.	Each
VMAD-1	For Form 100 Fixtures above.....	6	$2.70
VMAD-2	For Form 200 Fixtures above.....	6	2.70

APPLETON VAPORTIGHT LIGHTING FIXTURES

MERCURY VAPOR MERCMASTER
Standby Lighting Fixtures without Mounting Hood (for V-51 Mounting Units).



75 and 100W. Med. Base Normal Power Factor

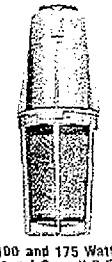


100W. Med. Base High Power Factor

Cat. No.	Volts	Std. Pkg.	Each
75 WATT MEDIUM BASE—NORMAL POWER FACTOR			
VMU75G-120	120	6	$36.50
VMU75G-208	208	6	36.50
VMU75G-240	240	6	36.50
VMU75G-277	277	6	36.50
100 WATT MEDIUM BASE—NORMAL POWER FACTOR			
VMUJ100G-120	120	6	$36.50
VMUJ100G-208	208	6	36.50
VMUJ100G-240	240	6	36.50
VMUJ100G-277	277	6	36.50
100 WATT MEDIUM BASE—HIGH POWER FACTOR			
VMUHJ100G-120	120	3	$56.35
VMUHJ100G-208	208	3	56.35
VMUHJ100G-240	240	3	56.35
VMUHJ100G-277	277	3	56.35



100 and 175 Watt Mogul Base N.P.F.



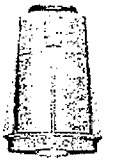
100 and 175 Watt Mogul Base H.P.F.

Cat. No.	Volts	Std. Pkg.	Each
100 WATT MOGUL BASE—NORMAL POWER FACTOR			
VMU100G-120	120	6	$38.40
VMU100G-208	208	6	38.40
VMU100G-240	240	6	38.40
VMU100G-277	277	6	38.40
100 WATT MOGUL BASE—HIGH POWER FACTOR			
VMUH100G-120	120	3	$58.25
VMUH100G-208	208	3	58.25
VMUH100G-240	240	3	58.25
VMUH100G-277	277	3	58.25
175 WATT MOGUL BASE—NORMAL POWER FACTOR			
VMU175G-120	120	6	$45.10
VMU175G-208	208	6	45.10
VMU175G-240	240	6	45.10
VMU175G-277	277	6	45.10
175 WATT MOGUL BASE—HIGH POWER FACTOR			
VMUH175G-120	120	3	$63.90
VMUH175G-208	208	3	63.90
VMUH175G-240	240	3	63.90
VMUH175G-277	277	3	63.90
VMUH175G-480	480	3	63.90
100 WATT MOGUL BASE—CONSTANT WATTAGE			
VMUC100G-120	120	3	$62.20
VMUC100G-208	208	3	62.20
VMUC100G-240	240	3	62.20
VMUC100G-277	277	3	62.20
VMUC100G-480	480	3	62.20
175 WATT MOGUL BASE—CONSTANT WATTAGE			
VMUC175G-120	120	3	$68.90
VMUC175G-208	208	3	68.90
VMUC175G-240	240	3	68.90
VMUC175G-277	277	3	68.90
VMUC175G-480	480	3	68.90

MERCURY VAPOR MERCMASTER
Prewired Ballast Units, less globe, guard and hood.



NORMAL POWER FACTOR



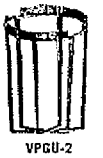
HIGH POWER FACTOR

Cat. No.	Volts	Std. Pkg.	Each
75 WATT MEDIUM BASE—NORMAL POWER FACTOR			
VMB75-120	120	6	$30.80
VMB75-208	208	6	30.80
VMB75-240	240	6	30.80
VMB75-277	277	6	30.80
100 WATT MEDIUM BASE—NORMAL POWER FACTOR			
VMBJ100-120	120	6	$30.80
VMBJ100-208	208	6	30.80
VMBJ100-240	240	6	30.80
VMBJ100-277	277	6	30.80
100 WATT MEDIUM BASE—HIGH POWER FACTOR			
VMBHJ100-120	120	3	$50.65
VMBHJ100-208	208	3	50.65
VMBHJ100-240	240	3	50.65
VMBHJ100-277	277	3	50.65
100 WATT MOGUL BASE—NORMAL POWER FACTOR			
VMB100-120	120	6	$30.80
VMB100-208	208	6	30.80
VMB100-240	240	6	30.80
VMB100-277	277	6	30.80
100 WATT MOGUL BASE—HIGH POWER FACTOR			
VMBH100-120	120	3	$50.65
VMBH100-208	208	3	50.65
VMBH100-240	240	3	50.65
VMBH100-277	277	3	50.65
175 WATT MOGUL BASE—NORMAL POWER FACTOR			
VMB175-120	120	6	$35.10
VMB175-208	208	6	35.10
VMB175-240	240	6	35.10
VMB175-277	277	6	35.10
175 WATT MOGUL BASE—HIGH POWER FACTOR			
VMBH175-120	120	3	$53.90
VMBH175-208	208	3	53.90
VMBH175-240	240	3	53.90
VMBH175-277	277	3	53.90
VMBH175-480	480	3	53.90
100 WATT MOGUL BASE—CONSTANT WATTAGE			
VMBC100-120	120	3	$54.60
VMBC100-208	208	3	54.60
VMBC100-240	240	3	54.60
VMBC100-277	277	3	54.60
VMBC100-480	480	3	54.60
175 WATT MOGUL BASE—CONSTANT WATTAGE			
VMBC175-120	120	3	$58.90
VMBC175-208	208	3	58.90
VMBC175-240	240	3	58.90
VMBC175-277	277	3	58.90
VMBC175-480	480	3	58.90

MERCMASTER GUARDS
Aluminum—Snap-on Type



VPGU-1



VPGU-2

Cat. No.	Description	Std. Pkg.	Each
VPGU-1	75 or 100 Watt Medium Base Fixtures	6	$3.90
VPGU-2	100 or 175 Watt Mogul Base Fixtures	6	4.90

MERCURY VAPOR MERCMASTER LIGHTING FIXTURE GLOBES



VPGL-1



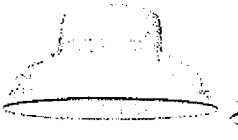
VPGL-2



VPGL-2PL

Cat. No.	Description	Std. Pkg.	Each
VPGL-1	Clear glass for 75 or 100 Watt Medium Base Fixtures	18	$1.80
VPGL-2	Clear glass for 100 or 175 Watt Mogul Base Fixtures	12	2.70
VPGL-1HR	Heat Resistant glass for 75 or 100 Watt Medium Base	18	3.70
VPGL-2HR	Heat Resistant glass for 100 or 175 Watt Mogul Base	12	5.10
VPGL-2PL	Clear, shatterproof plastic globe for all but 175 Watt fixtures. No guard needed	10	5.85

MERCMASTER REFLECTORS



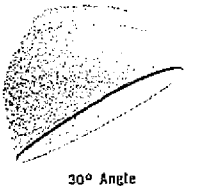
Standard Dome



Deep Bowl



Shallow Dome



30° Angle

Cat. No.	Description	Diam.	Std. Pkg.	Each
VPR-1ST	Standard All Med. Base	14″	6	$5.95
VPR-2ST	Standard All Mogul Base	16″	6	8.10
VPR-1SH	Shallow All Med. Base	14″	6	4.90
VPR-2SH	Shallow All Mogul Base	16″	6	7.05
VPR-1DB	Deep All Med. Base	10″	6	5.95
VPR-2DB	Deep All Mogul Base	12″	6	8.10
VPR-1AN	30° All Med. Base	10″	3	4.35
VPR-2AN	30° All Mogul Base	12″	3	7.60

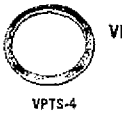
MERCMASTER REPLACEMENT PARTS



VPT-7



VPTS-1



VPTS-4

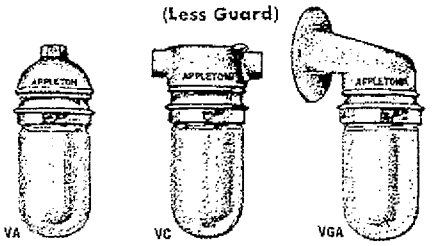


VPGL-GK

Cat. No.	Description	Std. Pkg.	Each
VPT-7	For all Mercmaster Mounting Hoods. Terminal Block	6	$1.30
VPTS-1	Shock absorbing Porcelain socket for Medium Base	6	3.25
VPTS-2	For Mogul Base	6	3.25
VPT-4	Cork Gasket for Mercmaster Mounting Unilets	6	.35
VPGL-GK	Asbestos and Rubber Gasket for all Mercmaster globes	6	.55

APPLETON LIGHTING FIXTURES

VAPORTIGHT "V-51" SERIES
(Less Guard)



VA VC VGA

Watts	Size	Nos.	Each	Nos.	Each
100	½"	VA1050	$ 9.85	VC1050	$10.05
	¾"	VA1075	9.95	VC1075	10.15
150-200	½"	VA2050	11.65	VC2050	11.85
or 300	¾"	VA2075	11.75	VC2075	11.95
100	½"	VGA1050	11.25	GUARDS ONLY	
	¾"	VGA1075	11.35	VGU-1	3.25
150-200	½"	VGA2050	13.05	VGU-2	4.55
or 300	¾"	VGA2075	13.15		

NOTE: Fixture prices include globe, adapter, and mounting.

"V-51" FIXTURE REFLECTORS

Standard

Watts	Nos.	Dia.	Each
100	VRE-1ST	12"	$5.95
150	VRE-15ST	14"	7.00
200-300	VRE-2ST	16"	8.20

Shallow

Watts	Nos.	Dia.	Each
100	VRE-1SH	12"	4.90
150	VRE-15SH	14"	5.95
200-300	VRE-2SH	16"	7.00

30° Angle

Watts	Nos.	Dia.	Each
100	VRE-1AN	10"	4.35
150	VRE-15AN	12"	7.60
200-300	VRE-2AN	12"	8.20

APPLETON DAY-ARC® FLOODLIGHTS

FOR METALLIC VAPOR LAMPS

True color fidelity with the new DAY-ARC series metallic vapor floodlights. Light weight aluminum with locked-in aiming Easy to maintain with exclusive filter drain wick. Less lamps.

DAY-ARC 1000®—1000 WATT
(Less Ballast)

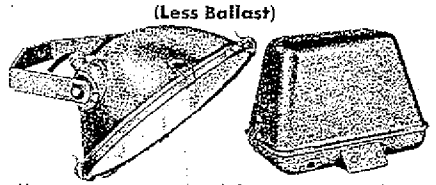


Nos.	Description	Each
G-4101	Wide beam	$166.70

H. P. F. IN-HEAD BALLASTS

G-4135	1000W, 120 Volt	195.00
G-4137	1000W, 208 Volt	183.90
G-4139	1000W, 240 Volt	183.90
G-4140	1000W, 277 Volt	183.90
G-4141	1000W, 480 Volt	183.90

DAY-ARC 400®—400 WATT
(Less Ballast)



Nos.	Description	Each
G-4402	Wide beam	$ 85.00

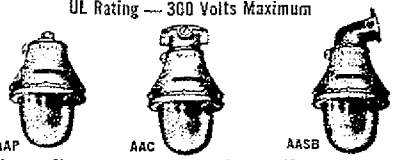
H. P. F. IN-HEAD BALLASTS

G-4428	400W, 120 Volt	108.34
G-4432	400W, 240 Volt	108.34
G-4433	400W, 277 Volt	108.34
G-4434	400W, 480 Volt	108.34

APPLETON LIGHTING FIXTURES

EXPLOSION PROOF "AA51" SERIES°
(Less Guards)

Explosion-Proof and Weather-Resistant
Factory-Sealed — Class I, Groups C and D*
UL Rating — 300 Volts Maximum


AAP AAC AASB

Watts	Size	Nos.	Each	Nos.	Each
60-100	½"	AAP1050	$41.60	AAC1050	$49.30
	¾"	AAP1075	41.80	AAC1075	49.80
150-200†	½"	AAP1550	41.60	AAC1550	49.30
	¾"	AAP1575	41.80	AAC1575	49.80
200-300 ‡	½"	AAP2050	58.35	AAC2050	66.05
	¾"	AAP2075	58.55	AAC2075	66.55
300-500▲	½"	AAP5050	85.90	AAC5050	93.60
	¾"	AAP5075	86.10	AAC5075	94.10
60-100	½"	AASB1050	$51.80	Guards Only	
	¾"	AASB1075	52.00		
150-200	½"	AASB1550	51.80	AAGU -1	$2.20
	¾"	AASB1575	52.00	AAGU -2	3.25
200-300 ‡	½"	AASB2050	68.55	AAGU -5	5.40
	¾"	AASB2075	68.75		

NOTE: Fixture prices include globe, adapter and mounting.

*Also listed for Class II, Groups F and G, hazardous dust locations using a maximum of 200 watt medium base lamp. Suffix "G" to Catalog No. for globe and guard.

▲Mogul base.

†Takes 200-watt Type A-25 medium base lamp, and is listed for Class I, Group D only.

‡Listed for Class I, Groups C and D.

§Furnished with four explosion-proof threaded conduit hubs and three close-up plugs.

°U. S. Pat. Nos.: 2,530,135—2,715,214—2,786,936. Can. Pat. Nos.: 503,405—622,157—615,018.

"AA51" FIXTURE REFLECTORS

Standard

Watts	Nos.	Dia.	Each
60-100	AARE-1ST	12"	$ 5.10
150-200	AARE-15ST	14"	5.85
200-300	AARE-2ST	16"	7.60
300-500	AARE-5ST	20"	11.90

Shallow

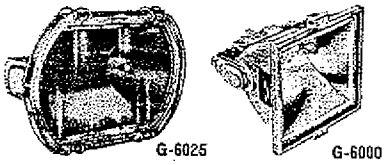
Watts	Nos.	Dia.	Each
60-100	AARE-1SH	12"	$ 5.10
150-200	AARE-15SH	14"	5.85
200-300	AARE-2SH	16"	7.60
300-500	AARE-5SH	18"	11.90

30° Angle

Watts	Nos.	Dia.	Each
60-100	AARE-1AN	10"	$5.60
150-200	AARE-15AN	10"	6.50
200-300	AARE-2AN	12"	8.65
300-500	AARE-5AN	18"	9.75

INTENSO QUARTZLITE FLOODLIGHTS

Designed for efficient operation of Quartz-Iodine lamps. Cast aluminum housing with Alzak reflector. Available in three beam spreads. Less lamps.


G-6025 G-6000

1500 WATT

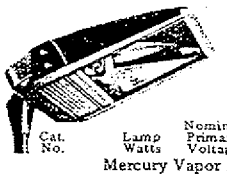
Nos.	Description	Each
G-6025-1	Narrow beam	$45.83
G-6025-3	Medium beam	45.83
G-6025-5	Wide beam	45.83
G-6028	Crossarm mounting kit	5.00
G-6030	Swivel stud mounting kit	5.00
G-6033	Swivel junction mounting kit	7.00

500 WATT

Nos.	Description	Each
G-6000-1	Narrow beam	$35.84
G-6000-3	Medium beam	35.84
G-6000-5	Wide beam	35.84
G-1040	Crossarm mounting kit	5.00
G-VB100	Combination pipe or wall mounting kit.	5.15

CROUSE-HINDS LUMINAIRES

PROFILE LIGHT

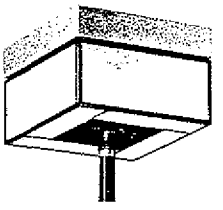


General area luminaire. Uses mercury vapor, color-true metal halide or other new high intensity discharge lamps.

Cat. No.	Lamp Watts	Nominal Primary Voltage	Ballast Data*	Each
Mercury Vapor Lamps				
GAL-1	175	...	None	$78.00
GAL-1-H-HP-2	175	120	HHR	122.00
GAL-1-H-NP-2	175	120	NHR	110.00
GAL-1-H-HP-0	175	208	HHR	122.00
GAL-1-H-HPR-4	175	240	HR	122.00
GAL-1-H-NPR-7	175	277	NR	110.00
GAL-1	250	...	None	78.00
GAL-2-H-CW-2	250	120	HRO	152.00
GAL-2-H-NP-2	250	120	NHR	127.00
GAL-2-H-CW-0	250	208	HRO	152.00
GAL-2-H-NPR-4	250	240	NR	106.00
GAL-2-H-CW-4	250	240	HRO	152.00
GAL-2-H-CW-7	250	277	HRO	152.00
GAL-2-H-CW-8	250	480	HRO	152.00
GAL-4	400	...	None	120.00
GAL-4-H-CW-2	400	120	HRO	202.00
GAL-4-H-NP-2	400	120	NHR	172.00
GAL-4-H-CW-0	400	208	HRO	202.00
GAL-4-H-CW-4	400	240	HRO	202.00
GAL-4-NPR-4	400	240	NR	170.00
GAL-4-H-CW-7	400	277	HRO	202.00
GAL-4-H-CW-8	400	480	HRO	202.00
GAL-10	1000	...	None	178.00
GAL-10-H-CW-2	1000	120	HRO	308.00
GAL-10-H-CW-0	1000	208	HRO	308.00
GAL-10-H-CW-4	1000	240	HRO	308.00
GAL-10-H-CW-7	1000	277	HRO	308.00
GAL-10-H-CW-8	1000	480	HRO	308.00
GAL-10-H-HPR-8	1000	480	HR	275.00
Metal Halide				
GAL-1-M-HP-2	175	120	HRO	152.00
GAL-1-M-HP-0	175	208	HRO	152.00
GAL-1-M-HP-4	175	240	HRO	152.00
GAL-1-M-HP-7	175	277	HRO	152.00
GAL-4-M-HP-2	400	120	HRO	237.00
GAL-4-M-HP-0	400	208	HRO	237.00
GAL-4-M-HP-4	400	240	HRO	237.00
GAL-4-M-HP-7	400	277	HRO	237.00
GAL-4-M-HPR-6	400	460	HR	237.00
GAL-10-M-HP-2	1000	120	HRO	360.00
GAL-10-M-HP-0	1000	208	HRO	360.00
GAL-10-M-HP-4	1000	240	HRO	360.00
GAL-10-M-HP-7	1000	277	HRO	360.00
GAL-10-M-HP-8	1000	480	HRO	360.00
Lucalox				
GAL-4-L-EC-2	400	120	HRO	340.00
GAL-4-L-EC-0	400	208	HRO	340.00
GAL-4-L-EC-4	400	240	HRO	340.00
GAL-4-L-EC-7	400	277	HRO	340.00
GAL-4-L-EC-8	400	480	HRO	340.00

*Ballast abbreviations: HRO — high power factor regulated output; HR — high power factor reactor; HHR — high power factor high reactance; NHR — normal power factor high reactance; HR — normal power factor reactor; None — less ballast.

SKY-CUBE



Provides high level of illumination and uniform lighting for large areas. Will accommodate mercury vapor metallic additive, Lucalox, or combinations of these lamps. Equipped with steel and aluminum frame. Slipfitter furnished. Modular ballast and capacitor trays for easy access and service. Low glare, vandalproof, Chemcor lenses. Alzak aluminum reflectors. Hinged access panels for maintenance.

Standard color is Caribbean blue. Special colors available.

4 — 1000 Watt Mercury Vapor

Cat. No.	Nominal Primary Voltage	Ballast Data*	Each
0500169KBB	120	HRO	$1340.00
0500169KBD	208	HRO	1340.00
0500169KBF	240	HRO	1340.00
0500169KBG	277	HRO	1340.00
0500169KBH	480	HRO	1340.00
0500169KCH	480	HR†	1200.00

Also available for Metal Halide and Lucalox.

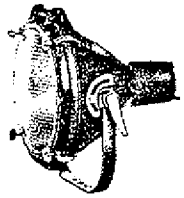
†Can be used with G.E. 1000 watt Multi-Vapor lamp.

*Ballast abbreviations: HRO — high power factor regulated output; HR — high power factor reactor;

Note: Other lamp combinations and configurations available. Ballasts for any quandrant may be excluded. Information on request.

CROUSE-HINDS FLOODLIGHTS

MODEL ADE AND MVE INCANDESCENT FLOODLIGHTS

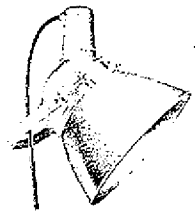


Heavy duty floodlights. Cast aluminum corrosion-resistant housing and door. Weatherproof. Alzak aluminum reflectors. Choice of lenses. Cable included. Designed for lighting buildings, signs, chimneys, construction areas, parking lots, etc.

Cat. No.	Reflector	Lens	Each
	Model ADE-12—For 200 or 300 Watt, PS-30 or 250, Watt, G-30 or P-25 Lamps		
48062	Narrow Beam	Smooth Beam	$82.00
48064	Narrow Beam	Wide Spread*	82.00
48065	Narrow Beam	Diffusing	82.00
48072	Wide Beam	Smooth Beam	82.00
48073	Wide Beam	Medium Spread*	82.00
48074	Wide Beam	Wide Spread*	82.00
48075	Wide Beam	Diffusing	82.00
	Model ADE-12—For 250 Watt, G-30 or P-25 Lamps		
48081	Narrow Beam	Plain	82.00
48083	Narrow Beam	Medium Spread*	82.00
48084	Narrow Beam	Wide Spread*	82.00
	Model ADE-14 — For 500 Watt, PS-40 Lamp		
48162	Narrow Beam	Smooth Beam	126.00
48163	Narrow Beam	Medium Spread*	126.00
48164	Narrow Beam	Wide Spread*	126.00
48172	Wide Beam	Smooth Beam	126.00
48173	Wide Beam	Medium Spread*	126.00
48174	Wide Beam	Wide Spread*	126.00
48175	Wide Beam	Diffusing	126.00
	Model ADE-14 — For 500 Watts, G-40 Lamp		
48181	Narrow Beam	Plain	126.00
48183	Narrow Beam	Medium Spread*	126.00
48184	Narrow Beam	Wide Spread*	126.00
	Model ADE-16 — For 1000 Watt, PS-52 Lamp		
48262	Narrow Beam	Smooth Beam	154.00
48263	Narrow Beam	Medium Spread*	154.00
48264	Narrow Beam	Wide Spread*	154.00
48265	Narrow Beam	Diffusing	154.00
48272	Wide Beam	Smooth Beam	154.00
48273	Wide Beam	Medium Spread*	154.00
48274	Wide Beam	Wide Spread*	154.00
48275	Wide Beam	Diffusing	154.00
	Model ADE-16 — For 1000 Watt, G-40 Incandescent		
48281	Narrow Beam	Plain	154.00
48283	Narrow Beam	Medium Spread*	154.00
48284	Narrow Beam	Wide Spread*	154.00
	Model MVE-14 — For 400 Watt Mercury Vapor		
48089	Wide Beam	Smooth Beam	126.00
48090	Wide Beam	Wide Spread*	126.00
48091	Wide Beam	Diffusing	126.00
48092	Narrow Beam	Smooth Beam	126.00
	Model MVE-16 — For 700 and 1000 Watt Mercury Vapor		
48093	Wide Beam	Smooth Beam	154.00
48094	Wide Beam	Medium Spread*	154.00
48095	Wide Beam	Wide Spread*	154.00

*Spread lenses are installed for maximum spread in horizontal plane. If so specified on order, they will be installed for maximum spread in vertical plane at no extra charge.

INCANDESCENT FLOODLIGHTS



Designed for lighting sports and recreational areas, construction areas, parking lots, piers and docks, storage yards, etc.

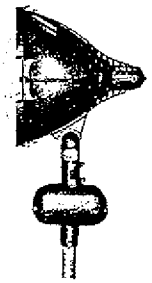
Die cast aluminum receptacle housing. Alzak aluminum front and rear reflectors. Heat and impact resisting lens. Cable included.

FLA series takes 750, 1000 and 1500-watt incandescent lamps. MVF series takes 400 and 1000-watt mercury vapor or metal halide lamps.

Cat. No.	Beam Spread Hor.	Beam Spread Vert.	Beam Lumens	Beam Eff.	Each
	FLA Series				
	For 1500 Watt, G-48 (1500 G48/6) Lamp				
47726	15°	13°	14050	45.3%	$73.00
	For 1500 Watt, PS-52 (1500) Lamp				
47714	25°	23°	14806	44.9%	69.00
47711	36°	32°	16026	48.6%	60.00
47712	51°	48°	16668	50.2%	58.00
47713	80°	75°	19038	57.6%	52.00
	MVF-4 Series				
	For 400 Watt, Clear (H33-1-CD) Lamp				
48096	22°	32°	7740	36.9%	80.00
48097	37°	41°	9400	44.8%	71.00
48098	60°	55°	9430	45.0%	69.00
48099	91°	91°	10350	49.4%	64.00
	For 400 Watt, Col. Imp. (H33-1-GL/C) Lamp				
48097	73°	75°	10750	52.5%	71.00
48099	102°	101°	8780	42.8%	64.00
	For 400 Watt Metallic Vapor Lamp*				
48096	18°	22°	11312	35.9%	80.00
48097	32°	33°	14188	45.0%	71.00
48098	57°	52°	13924	44.2%	69.00
48099	80°	73°	15604	49.5%	64.00
	MVF-10 Series				
	For 1000 Watt, Clear (H36-15GV) Lamp				
47728	50°	48°	21315	37.4%	80.00
48100A	75°	80°	37100	56.3%	83.00
48101	98°	99°	32600	57.2%	64.00
	For 1000 Watt, Col. Imp. (H36-15GW/C Lamp)				
47728	107°	106°	34000	54.8%	80.00
48101	114°	110°	28700	50.4%	64.00
	For 1000 Watt Metallic Vapor Lamp*				
47728	27°	26°	29370	32.6%	80.00
48100A	43°	42°	44212	49.1%	83.00
48101	81°	81°	50528	56.1%	64.00

*Metallic vapor lamps are available for burning base up to 15° below horizontal or base down to 15° above horizontal. Order correct lamp for specific installation.

SERIES 1100 WIDE BEAM MERCURY VAPOR FLOODLIGHTS

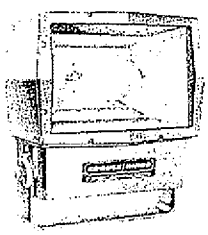


Heavy duty mercury vapor or metal halide area floodlight. Produces an exceptionally wide usable beam with controlled vertical cutoff. Alzak reflector, cast aluminum door and housing, 2" slipfitter and splice box. Mounts on cast aluminum housing containing ballast assembly. All assemblies pre-wired and weathertight. Complete unit mounts on 2" pipe tenon (2 3/8" OD).

Cat. No.	Nominal Primary Voltage	Ballast Data*	Each	Cat. No.	Nominal Primary Voltage	Ballast Data*	Each
	Mercury Vapor 400 Watt						
1103-412	120	NHR	$210.	1103-438	277	NR	$182.
1103-452	120	HRO	228.	1103-443	277	HHR	192.
1103-419	208	NHR	210.	1103-458	277	HRO	228.
1103-469	208	HRO	228.	1103-417	480	NHR	210.
1103-431	240	NR	182.	1103-457	480	HRO	228.
1103-441	240	HHR	192.	1103-400	...	None	126.
1103-451	240	HRO	228.	.....	...	....	...
	Metalare 400 Watt						
1113-492	120	HRO	280.	1113-498	277	HRO	280.
1113-499	208	HRO	280.	1113-497	480	HRO	280.
1113-491	240	HRO	280.	1113-400	...	None	126.
	Multi Vapor 400 Watt						
1113-482	120	HRO	280.	1113-488	277	HRO	280.
1113-489	208	HRO	280.	1113-487	480	HRO	280.
1113-481	240	HRO	280.	1113-400	...	None	126.
	Mercury Vapor 1000 Watt						
1103-1052	120	HRO	308.	1103-1037	480	NR	248.
1103-1059	208	HRO	308.	1103-1047	480	HR	260.
1103-1051	240	HRO	308.	1103-1057	480	HRO	308.
1103-1058	277	HRO	308.	1103-1000	...	None	148.
	Metal Halide 1000 Watt						
1103-1000	...	None	148.	.....	...	....	...
	Metalare 1000 Watt						
1113-1092	120	HRO	382.	1113-1095	277	HRO	382.
1113-1099	208	HRO	382.	1113-1097	480	HRO	382.
1113-1091	240	HRO	382.	.....	...	...	...

*Ballast abbreviations: HRO — High power factor regulated output; HR — high power factor reactor; HHR — high power factor high reactance; NHR—normal power factor high reactance; NR—Normal power factor reactor, None — less ballast.

MV AND MA SERIES FLOODLIGHTS



Heavy duty mercury vapor and metal halide floodlight. Cast aluminum corrosion-resistant housing and door. Weatherproof. Alzak aluminum reflector. Tempered glass lens. Pre-wired integral ballast. Galvanized steel trunnion arm.

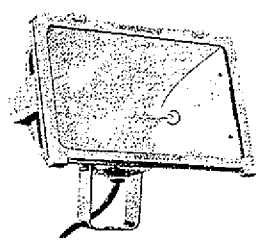
Three sizes take lamps from 175 through 1500 watts. Trunnion arm mounts on wide variety of slipfitters and brackets.

Cat. No.	Nominal Primary Voltage	Ballast Data*	Each	Cat. No.	Nominal Primary Voltage	Ballast Data*	Each
	MV175 — 175 Watt Mercury Vapor						
47739A†	...	None	$65.	48028	240	NR	$112.
48027	120	NHR	112.	48029	277	NR	112.
	MV250 — 250 Watt Mercury Vapor						
47739A†	...	None	65.	48309	240	HRO	150.
48308	120	HRO	150.	47733A	277	HRO	150.
47786B	120	NHR	127.	47734B	460	HRO	150.
47736A	240	NR	115.	.....	...	....	...
	MV430 — 400 Watt Mercury Vapor						
47916A†	...	None	102.	48189	240	HRO	188.
48188	120	HRO	188.	47919B	240	HR	180.
48191	120	NHR	176.	48032A	277	HR	180.
48190	208	HRO	188.	47918A	480	HRO	188.
	MA400 — 400 Watt Metal Halide						
47916A†	...	None	102.	48193	240	HRO	202.
48192	120	HRO	202.	47977A	277	HRO	202.
47976A	208	HRO	202.	47980A	460	HR	198.
	MV1000 — 1000 Watt Mercury Vapor						
47738C†	...	None	160.	47707C	277	HRO	300.
48186	120	HRO	300.	47708C	480	HRO	300.
48033A	208	HRO	300.	47709C	480	HR	255.
48187	240	HRO	300.	.....	...	....	...
	MV1500 — 1000 Watt @ 1500 Watt Mercury Vapor						
47738†	...	None	160.	47790D	460/480	NR	304.

†Separate can-type weatherproof ballasts are available.

*Ballast abbreviations: HRO — high power factor regulated output; HR — high power factor reactor; HHR — high power factor high reactance; NHR — normal power factor high reactance; NR—normal power factor reactor; None — less ballast.

MODEL QB QUARTZ FLOODLIGHTS



Heavy duty weatherproof tungsten halogen (quartz) floodlight for lighting buildings, signs, outdoor sports areas, loading docks, etc. Two sizes take double-ended quartz lamps. Good beam control (wide, medium or narrow). Cast aluminum corrosion — resistant housing and door. Alzak aluminum reflector. Stem or trunnion mounting accessories are available.

Cat. No.	Lamp Watts & Type	Beam Spread Hor.	Beam Spread Vert.	Beam Lumens	Each
	Stem Mounting				
47793	QB500	93°	15°	4950	$35.00
47794	500 W., T3	101°	61°	6698	35.00
47795	(500 T3Z/CL)	96°	75°	6592	35.00
48140*	QB1500	116°	10°	16240	45.00
48141A*	1500 W., T3	119°	62°	21534	45.00
48142*	(1500 T3Q/CL)	118°	85°	23338	45.00
	Trunnion Mounting				
47796	QB500	93°	15°	4950	39.00
47797	500 W., T3	101°	61°	6698	39.00
47798	(500 T3Q/CL)	96°	75°	6592	39.00
48145*	QB1500	116°	10°	16240	49.00
48146A*	1500 W., T3	119°	62°	21534	49.00
48147	(1500 T3Q/CL)	118°	85°	23338	49.00

*Do not aim above horizontal. If aiming above horizontal is required use unit with special high temperature lens.

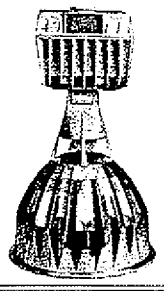
GENERAL ELECTRIC INDOOR LIGHTING SYSTEMS

FILTERGLOW®
ENCLOSED, FILTERED LUMINAIRES



The Filterglow luminaire incorporates the most advanced design yet conceived in indoor lighting to provide more light longer, safer, with maximum visual comfort. The optical assembly is totally enclosed, gasketed and filtered to make it the choice wherever dirt, grime, and fumes limit optimum light efficiency. It is ideal for factories, foundries, canneries, and metal, chemical, rubber, food, cement, and numerous other plants —anywhere luminaire maintenance is a problem.

DURAGLOW*
OPEN, SELF-VENTILATED LUMINAIRES



The Duraglow luminaire incorporates features never before available in open luminaires. It provides a flexible and economical lighting system by maximizing light transmission and minimizing cleaning, and features an open-type optical assembly that produces a self-cleaning action when operating. It is well suited to such applications as hangars, warehouses, recreation centers, assembly plants, maintenance areas, and commercial facilities.

S/MH	Volts	Refl Dia (in.)	Complete Luminaire 55C Max Ambient Temperature: Filterglow (Less Lamp) Cat. No.	Each	Dimensions (in.) Fig. No.	A	B	Net Wt (Lb)	Duraglow (Less Lamp) Cat. No.	Each	Dimensions (in.) Fig. No.	A	B	Net Wt (Lb)
SINGLE 400-WATT MERCURY VAPOR														
0.7	120 208 240 277 480	22	C771G102 C771G104 C771G103 C771G105 C771G106	$95.25	1	29¼	23⅜	41	C771G502 C771G504 C771G503 C771G505 C771G506	$81.30	1	29¼	22⅝	31½
1.5	120 208 240 277 480	17	C771G227 C771G229 C771G228 C771G230 C771G231	89.26	2	29¼	17⅝	33½	C771G727 C771G729 C771G728 C771G730 C771G731	75.30	2	29	17⅛	28½
TWIN 400-WATT MERCURY VAPOR														
1.5	120 208 240 277 480	17	C775G227 C775G229 C775G228 C775G230 C775G231	$147.75	3	21⅛	42¾	47½	C775G727 C775G729 C775G728 C775G730 C775G731	$119.85	3	20⅞	42¼	37½
SINGLE 1000-WATT MERCURY VAPOR														
1.0	120 208 240 277 480	22	C772G102 C772G104 C772G103 C772G105 C772G106	$126.75	1	29¼	23⅜	49	C772G602 C772G604 C772G603 C772G605 C772G606	$112.80	1	29¼	22⅝	39½
SINGLE 400-WATT METAL HALIDE														
1.1	120 208 240 277 480	17	C773G152 C773G154 C773G153 C773G155 C773G156	$103.95	2	29¼	17⅜	36½	C773G652 C773G654 C773G653 C773G655 C773G656	$90.00	2	29	17⅛	30½
SINGLE 1000-WATT METAL HALIDE														
1.0	120 208 240 277 480	22	C774G102 C774G104 C774G103 C774G105 C774G106	$163.50	1	29¼	23⅜	52½	C774G602 C774G604 C774G603 C774G605 C774G606	$149.55	1	29¼	22⅝	43
SINGLE 400-WATT LUCALOX®														
0.7	120 208 240 277 480	22	C776G102 C776G104 C776G103 C776G105 C776G106	$169.20	1	29½	23⅛	51½	C776G602 C776G604 C776G603 C776G605 C776G606	$155.25	1	29¼	22⅝	42
1.5	120 208 240 277 480	17	C776G222 C776G224 C776G223 C776G225 C776G226	163.20	2	29¼	17⅜	44	C776G722 C776G724 C776G723 C776G725 C776G726	149.25	2	29	17⅛	39

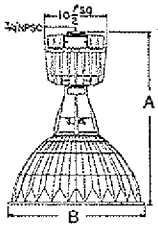


Fig. 1

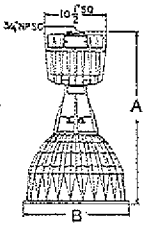


Fig. 2

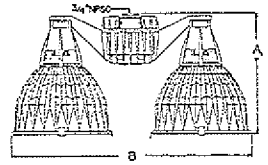


Fig. 3

ACCESSORIES

Description	Cat. No.	Each
Male Hook	C740G100	$1.35
Female Hook	C740G101	1.35
Male Loop	C740G150	1.35
Female Loop	C740G151	1.35
Hook, Cord & Plug Asm.		
120 Volt	C740G420	5.25
208 Volt	C740G421	5.25
270 Volt	C740G422	5.25
480 Volt	C740G423	5.25
Receptacle Hook/Box		
120 Volt	C740G206	16.65
208 Volt	C740G208	16.65
240 Volt	C740G204	16.65
277 Volt	C740G207	16.65
480 Volt	C740G209	16.65
Loop, Cord & Plug for Receptacle Hook/Box	C740G310	5.25

MINIGLOW* LUMINAIRES



The Miniglow luminaire of open-ventilated reflector construction is recommended for general indoor lighting, and is particularly suitable for use in low footcandle areas, or where low overhangs or low ceiling heights restrict use of larger high-wattage units.

S/MH	Volts	Max Amb Temp °C	Refl Pos.	Complete Luminaire† (Less Lamp) Cat. No.	Each
1.5 or 1.75	120 x 240 208 277 240 x 480	55	L or H	C733G201 C733G202 C733G203 C733G204	$54.90 54.90 54.90 54.90

†250-watt mercury vapor.

LOW MOUNT* LUMINAIRES



The Lowmount luminaire brings the economics and convenience of HID light sources to the lower mounting heights (10-20 ft.) where brightness has traditionally excluded them.

S/MH	Volts	Ballast Type	Max Amb Temp °C	Complete Luminaire‡ (Less Lamp) Cat. No.	Each
1.5	120 208 240 277 480	400 W Auto-regulator	40	C764G101 C764G102 C764G103 C764G104 C764G105	$93.75 93.75 93.75 93.75 93.75

‡400-watt mercury vapor. Available also for metal halide and Lucalox lamps.

*Trade-mark of General Electric Co.

For other ratings, luminaires, or accessories, consult. Graybar

GENERAL ELECTRIC FLOODLIGHTS

WALLIGHTER MERCURY LUMINAIRES



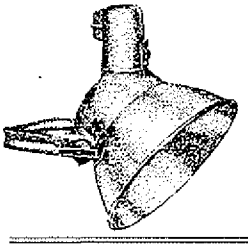
Attractive Wallighter luminaires provide precise light control in a small, versatile package. They are ideally suited to such commercial and residential lighting applications as walkways, underpasses, signs, driveways, loading areas, and stairways.

50- and 100-watt models, in bugtight and weatherproof sealed aluminum housings, are designed for wall mounting at approximately 10 feet. They are offered with either Lexan® or acrylic refractors (specified by selection of Cat. No.), and either can be mounted by means of two ⅝-inch bolts through back or on ½- or ¾-inch conduit.

Ballast Type	Ballast Volts	Lamp Type	Cat. No.* (Less Lamp) With Lexan Refractor	Each	Cat. No.* (Less Lamp) With Acrylic Refractor	Each
50 Watts						
Lag	120	H46¶	C751G120	$56.05	C751G119	$45.75
Reactor (NPF)	240	H46¶	C751G118	55.06	C751G117	45.75
Reactor (NPF)	277	H46¶	C751G150	55.05	C751G151	45.75
100 Watts						
Regulator	120	H38	C751G106	$60.00	C751G101	$50.75
Regulator	208	H38	C751G108	60.00	C751G103	50.75
Regulator	240	H38	C751G107	60.00	C751G102	50.75
Regulator	277	H38	C751G109	60.00	C751G104	50.75
Regulator	480	H38	C751G110	60.00	C751G105	50.75

*Standard gray finish. Specify if sunset orange, dark brown, colony green, dresden blue, lemon yellow, dark bronze, light charcoal or metallic gold is desired.
¶For medium base lamp.

TYPE L-69A FLOODLIGHTS

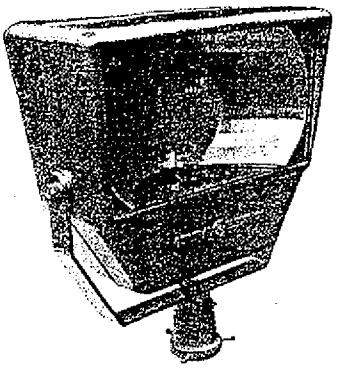


The L69A floodlight is suitable for practically all types of outdoor floodlighting applications. It features an Alzak¶ aluminum reflector, with a faceted rear portion to produce a uniform beam without source-image projection. The socket housing is of die-cast aluminum, complete with an external wiring box to facilitate wiring.

Beam Spread Pattern	Beam Spread Hor Deg × Vert Deg	Cat. No.‡ (Less Lamp)	Each
Filament—1500-watt			
VN	15.8 x 14.4	C508G058	$56.70
N	25 x 22	C508G053	50.40
M	33 x 31	C508G040	47.25
MW	66 x 60	C508G111	47.25
W	100 x 92	C508G033	39.45
Mercury—1000-watt clear			
MW	43 x 62	C508G053	$50.40
W	62 x 73	C508G040	47.25
VW	104 x 105	C508G033	39.45
Mercury—1000-watt color improved			
VW	115 x 115	C508G053	$50.40

‡Indicate if trunnion is to be suspended vertically or if unit is to be aimed above horizontal. ¶Proprietary term Aluminum Co. of America.

POWERFLOOD® FLOODLIGHTS



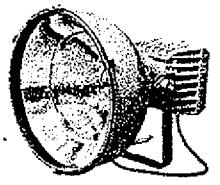
P-400A

P-400A and P-1000A Powerflood floodlights are designed for applications requiring a heavy-duty floodlight with a uniform, wide beam spread. P-400A is suitable for parking lots, building exteriors, construction sites, small sports areas, industrial plants and landscape lighting. P-1000A is ideal for lighting large outdoor recreational, commercial, and industrial areas such as golf courses and driving ranges, football fields, shopping centers and commercial parking lots, outdoor storage areas, and new- and used-car lots.

Ballast Type	Ballast Volts	P-400A (400 Watts) Cat. No.	Each	P-1000A (1000 Watts) Cat. No.	Each
		Mercury Lamp △ Beam Spread 138 H x 112 V Deg		Mercury Lamp △ Beam Spread 132 H x 110 V Deg	
External	.....	C521G001	$75.75	C522G001	$116.25
Auto-regulator	120 x 240	C521G002§	132.00	C522G002§	211.50
Auto-regulator	120	C521G013¶	137.25	C522G015¶	219.00
Lag	120	C521G000	113.25	.....	.....
Auto-regulator	208	C521G003	132.00	C522G005	214.50
Auto-regulator	277	C521G004	132.00	C522G007	214.50
Auto-regulator	480	C521G005	132.00	C522G003	214.50
Reactor HPF	480	.....	.....	C522G004	179.25
		Metal Halide Lamp Beam Spread 152 H x 112 V Deg		Metal Halide Lamp Beam Spread 141 H x 101 V Deg	
Metal Halide	120	C521G033	144.75	C522G114	$236.25
Metal Halide	240	C521G082	144.75	C522G115	236.25
Metal Halide	208	C521G079	144.75	C522G113	236.25
Metal Halide	277	C521G080	144.75	C522G118	236.25
Metal Halide	480	C521G081	144.75	C522G163	236.25
		LU-400/BD Lamp Beam Spread 151 H x 115 V Deg			
Lucalox®(reac)	120	C521G503	189.00	.....	.....
Lucalox (reac)	240	C521G503	189.00	.....	.....
Lucalox (reac)	208	C521G509	189.00	.....	.....
Lucalox (reac)	277	C521G507	189.00	.....	.....
Lucalox (reac)	480	C521G508	189.00	.....	.....

§ Factory wired for 120V operation.
¶ With P.E. receptacle (ballast and P.E. receptacle, factory wired for 120V operation).
△ Data based on phosphor-coated mercury lamp.

POWR•SPOT® FLOODLIGHTS



New POWR•SPOT floodlight is a heavy-duty (NEMA) weather-proof floodlight. It is designed for high-intensity, narrow-beam lighting with the floodlight located remotely for such applications as sports stadiums, railroad yards and building exteriors.

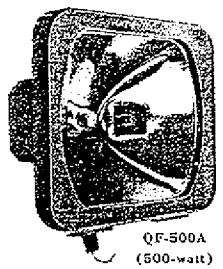
Primary Volts	400-Watt Lucalox Beam Spread 20 H x 21 V Deg Cat. No. (Less Lamp)	Each	1000-Watt Metal Halide Beam Spread 26 H x 25 V Deg Cat. No. (Less Lamp)	Each	Beam Spread 62 H x 64 V Deg Cat. No. (Less Lamp)	Each
120	C532G501	$189.00	C532G101	$236.25	C532G117	$236.25
240	C532G502	189.00	C532G102	236.25	C532G118	236.25
208	C532G503	189.00	C532G103	236.25	C532G119	236.25
277	C532G504	189.00	C532G104	236.25	C532G120	236.25
480	C532G505	189.00	C532G105	236.25	C532G121	236.25

GENERAL ELECTRIC AREA LIGHTING LUMINAIRES

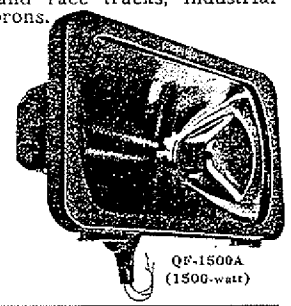
QUARTZ-FLOOD FLOODLIGHTS

QF-500A and QF 1500A floodlights for Quartzline® lamps are of heavy-duty weatherproof construction. They are designed for applications requiring a wide horizontal and relatively narrow vertical beam spread.

Applications include building facades, signs and poster panels, protective lighting, recreational areas, outdoor residential lighting, stadiums and race tracks, industrial yards, and airport service aprons.



QF-500A
(500-watt)



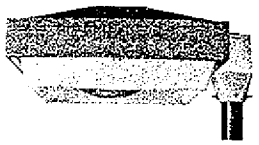
QF-1500A
(1500-watt)

Beam Spread Hor Deg x Vert Deg	Lamp Designation	Photometric Curve No.	Approx Net Wt (Lb)	Cat. No. (Less Lamp)	Each
QF-500A (500 Watts)					
87 x 25	Q500T3/CL	35-174252	7	C524G004	$23.70
90 x 50	Q500T3/CL	35-174253	7	C524G005	23.70
100 x 93	Q500T3/CL	35-174254	7	C524G006	23.70
QF-1500A (1000-1500 Watts)					
120 x 12	Q1500T3/CL	35-174255	10	C525G004†	$31.50
120 x 27	Q1500T3/CL	35-174257	10	C525G005‡	31.50
122 x 100	Q1500T3/CL	35-174259	10	C525G006‡	31.50

‡For use in applications where the floodlight is aimed below an angle of 30 degrees above the horizontal. Units for use above the angle are available.

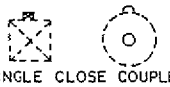
SPACEGLOW* 250 LUMINAIRES

The Spaceglow 250 luminaire in round or square styling is ideal for lighting residential streets, shopping centers, parking lots, and walkways.

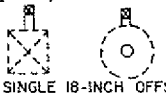


Specify two catalog numbers: mounting arrangement first, and luminaire(s) second.

Mounting Arrangements (Round or Square)



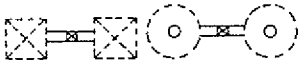
SINGLE CLOSE COUPLED
Cat. No. C756G001
List price $25.50§



SINGLE 18-INCH OFFSET
Cat. No. C756G002
List price $33.00§



TWO CLOSE COUPLED
180 DEGREES
Cat. No. C756G003
List price $28.50§



TWO 18-INCH OFFSET
180 DEGREES
Cat. No. C756G004
List price $36.00§

Ballast Watts	Ballast Volts	Ballast Type	Lamp Type	Cat. No. ‡ (Less Lamp & Mtg) Square	Cat. No. ‡ (Less Lamp & Mtg) Round	Each
175	120 x 240†	Regulator	H39	C758G001	C757G001	$162.00
	240 x 480†	Regulator		C758G003	C757G003	162.00
	240	Reactor HPF		C758G007	C757G007	153.00
	120	Lag		C758G009	C757G009	150.00
250	120 x 240†	Regulator	H37	C758G002	C757G002	172.50
	240 x 480†	Regulator		C758G004	C757G004	172.50
	240	Reactor HPF		C758G008	C757G008	162.00
	120	Lag		C758G010	C757G010	160.50

†120x240V factory connected for 120V, 240x480V; easily reconnected in field to other voltage with quick-disconnect plug.

‡Gray paint finish is standard. Available at same price in sunset orange, dark brown, colony green, dresden blue, lemon yellow, dark bronze, light charcoal, and metallic gold.

§Includes slipfitter for 3" OD pole top, extension arm (where shown) and necessary hardware.

*Trade-mark of General Electric Company.

POWERGLOW® LUMINAIRES

Powerglow luminaires combine night-time efficiency with stylish day-time appearance for shopping centers, parking lots, parks, and malls. A-4000, A-1000, and A-250 are a closely matched family that meets a variety of requirements for circular symmetrical light distribution. Mod II and Mod III are new additions to the line and feature distinctive shapes to complement new architectural designs.



A-4000
For 35 ft. or higher poles.



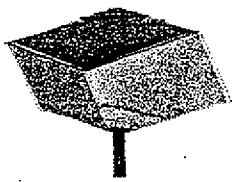
A-1000
For 20-30 ft. poles.



A-250
For 12-16 ft. poles.



Mod II
For 35 ft. or higher poles.



Mod III
For 35 ft. or higher poles.

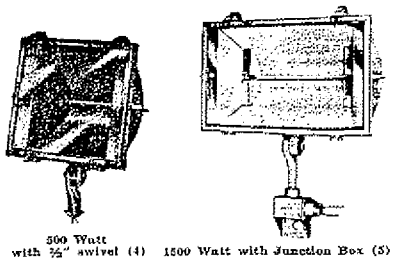
Built-in Ballast Watts	Built-in Ballast Volts	Ballast Type	Cat. No.* (Less Lamps)	Each
A-4000—4 Mercury Lamps				
1000(4)	120†	Regulator	C709G001	$935.25
1000(4)	240†	Regulator	C709G002	935.25
1000(4)	208	Regulator	C709G003	935.25
1000(4)	277	Regulator	C709G004	935.25
1000(4)	480	Regulator	C709G005	935.25
1000(4)	480	Reactor, HPF	C709G006	822.00
A-4000—4 Metal Halide Lamps				
1000(4)	120	Metal Halide	C709G127	$1023.75
1000(4)	240	Metal Halide	C709G128	1023.75
1000(4)	208	Metal Halide	C709G129	1023.75
1000(4)	277	Metal Halide	C709G130	1023.75
1000(4)	480	Metal Halide	C709G113	1023.75
A-1000—1 Mercury Lamp				
400	120	Regulator	C725G001	$276.00
400	208	Regulator	C725G002	276.00
400	240	Regulator	C725G003	276.00
400	277	Regulator	C725G004	276.00
400	480	Regulator	C725G005	276.00
400	120	Lag	C725G008	228.75
400	240	Reactor, NPF	C725G007	222.00
1000	120	Regulator	C725G008	360.75
1000	208	Regulator	C725G009	360.75
1000	240	Regulator	C725G010	360.75
1000	277	Regulator	C725G011	360.75
1000	480	Regulator	C725G012	360.75
1000	480	Reactor, HPF	C725G013	303.00
A-1000—1 Lucalox® Lamp				
400	240	Lucalox	C725G500	446.25
A-1000—1 Metal Halide Lamp				
1000	120	Metal Halide	C725G052	$383.25
1000	208	Metal Halide	C725G050	383.25
1000	240	Metal Halide	C725G053	383.25
1000	277	Metal Halide	C725G051	383.25
1000	480	Metal Halide	C725G014	383.25
A-250—1 Mercury Lamp				
175	120	Regulator	C716G002	$106.50
175	208	Regulator	C716G003	106.50
175	480	Regulator	C716G005	106.50
175	240	Reactor, NPF	C716G007	76.75
175	120	Lag	C716G006	94.50
250	120	Regulator	C716G008	117.00
250	208	Regulator	C716G009	117.00
250	480	Regulator	C716G011	117.00
250	240	Reactor, NPF	C716G013	79.50
250	120	Lag	C716G012	102.75
Mod II—4 Mercury Lamps				
1000(4)	120	Auto-Reg	C789G001	$935.25
1000(4)	208	Auto-Reg	C789G003	935.25
1000(4)	240	Auto-Reg	C789G002	935.25
1000(4)	277	Auto-Reg	C789G004	935.25
1000(4)	480	Auto-Reg	C789G005	935.25
Mod II—4 Metal Halide Lamps				
1000(4)	120	Metal Halide	C789G006	$1023.75
1000(4)	208	Metal Halide	C789G008	1023.75
1000(4)	240	Metal Halide	C789G007	1023.75
1000(4)	277	Metal Halide	C789G009	1023.75
1000(4)	480	Metal Halide	C789G010	1023.75
Mod III—4 Mercury Lamps				
1000(4)	120	Auto-Reg	C788G101	$982.50
1000(4)	208	Auto-Reg	C788G103	982.50
1000(4)	240	Auto-Reg	C788G102	982.50
1000(4)	277	Auto-Reg	C788G104	982.50
1000(4)	480	Auto-Reg	C788G105	982.50
Mod III—4 Metal Halide Lamps				
1000(4)	120	Metal Halide	C789G106	$1074.75
1000(4)	208	Metal Halide	C789G108	1074.75
1000(4)	240	Metal Halide	C789G107	1074.75
1000(4)	277	Metal Halide	C789G109	1074.75
1000(4)	480	Metal Halide	C789G110	1074.75

*Standard grey finish. Specify if sunset orange, dark brown colony green, dresden blue, lemon yellow, dark bronze, light charcoal, or metallic gold finish is desired.

†120x240 dual voltage for mercury lamps, but connected for voltage shown.

STEBER FLOODLIGHTS

QUARTZLITER FLOODLIGHTS



500 Watt with ½" swivel (4) 1500 Watt with Junction Box (5)

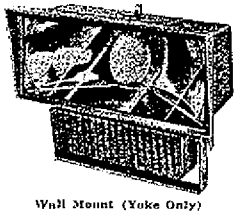
Designed to provide maximum protection and optimum performance of the highly efficient quartz-iodine lamp. Cast aluminum body with ultranamel finish. Completely weatherproof, Anodal aluminum reflectors, molded silicone gasket and stainless steel hardware.

Cat. No.* Narrow Beam	Medium Beam	Wide Beam	Lamp Watts	Each
With Swivel — ½" Threaded Arm (4)				
7124	7324	7524	500	$22.50
7164	7364	7564	1500	28.75
With Junction Box For Crossarm Mounting (5)				
7125	7325	7525	500	$24.13
7165	7365	7565	1500	30.38

*Note: Choice of universal adapters: (4)½" swivel mounting, (5)junction box for crossarm mounting, (7)clamp for 2" pipe, (8)universal wall mounting, (9)pole top for 1½" to 2" pipe. Change last digit in catalog number to 7, 8, or 9 to specify mounting type.

MAGNULITER MERCURY VAPOR FLOODLIGHTS

400, 1000 AND 1500 WATTS

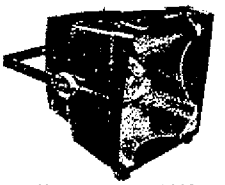


Wall Mount (Yoke Only)

Efficient performance, functional design and economic operation have been combined to make Steber's "Magnuliter" the most effective — rectangular — mercury vapor floodlight available for outdoor area lighting. The Magnuliter's housing is rugged cast aluminum featuring "cast-in" heat dissipating fins, a special weatherhood and cast aluminum relamping door. The two piece parabolic reflector is specifically designed and engineered to provide maximum photometric efficiency. It is formed from high grade aluminum and is finished in Anodal. The heavy gauge lens is thermal shock and impact resistant. The cast aluminum "in-head" ballast compartment contains a terminal block for easy wiring and is equipped with a watertight connector. The Magnuliter is easily aimed using either the "built-in" rifle aiming device or the degree aiming sectors located on either side of the floodlight. Magnuliter is completely factory wired to insure fast and simple installation. All hardware is stainless steel and the floodlight is completely weather sealed with high temperature Neoprene gaskets. All cast aluminum components are finished in durable, weather resistant Grey Ultranamel.

Cat. No.	Description	Each
400 Watt Magnuliter with Wall Mount — Yoke Only		
8015	Floodlight Only—Less Ballast	$ 67.50
8015-120N	120V—Normal Power Factor	103.75
8015-120C	120V—Constant Wattage	121.25
8015-208C	208V—Constant Wattage	121.25
8015-240C	240V—Constant Wattage	121.25
8015-277C	277V—Constant Wattage	121.25
8015-480C	480V—Constant Wattage	121.25
1000 Watt Magnuliter with Wall Mount — Yoke Only		
8025	Floodlight Only—Less Ballast	$105.00
8025-120C	120V—Constant Wattage	193.75
8025-208C	208V—Constant Wattage	193.75
8025-240C	240V—Constant Wattage	193.75
8025-277C	277V—Constant Wattage	193.75
8025-480C	480V—Constant Wattage	193.75
8025-480H	480V—High Power Factor	162.50

SUPER SPORTSLITER METALLIC VAPOR FLOODLIGHTS

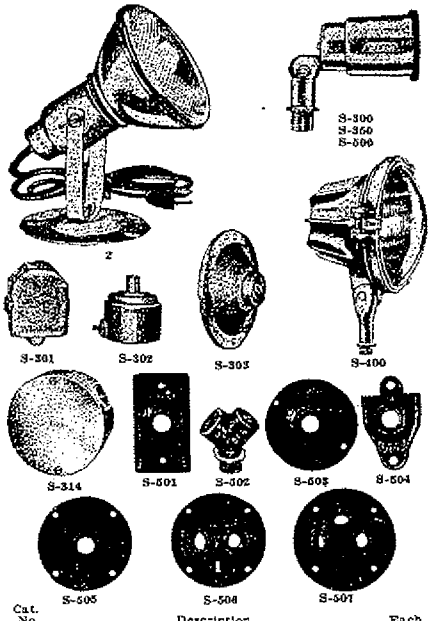


Super Sportsliter uses a 1000 watt metallic halide lamp. Precise beam control meeting NEMA II, III, IV and V standards. Cast aluminum housing, in-head ballast and hinged lens. Finish is blue-tone ultranamel.

With Yoke Mounting

Cat. No.	Description	Each
NEMA Type II — Beam Spread 23°H x 23°V		
9205	For Remote Mounted Ballast	$109.90
9205-120H	120V HPF Ballast	218.75
9205-208H	208V HPF Ballast	218.75
9205-240H	240V HPF Ballast	218.75
9205-277H	277V HPF Ballast	218.75
9205-480H	480V HPF Ballast	218.75
NEMA III — Beam Spread 36°H x 36°V		
9305	For Remote Mounted Ballast	$109.90
9305-120H	120V HPF Ballast	218.75
9305-208H	208V HPF Ballast	218.75
9305-240H	240V HPF Ballast	218.75
9305-277H	277V HPF Ballast	218.75
9305-480H	480V HPF Ballast	218.75
NEMA Type IV — Beam Spread 54°H x 54°V		
9405	For Remote Mounted Ballast	$109.90
9405-120H	120V HPF Ballast	218.75
9405-208H	208V HPF Ballast	218.75
9405-240H	240V HPF Ballast	218.75
9405-277H	277V HPF Ballast	218.75
9405-480H	480V HPF Ballast	218.75
NEMA IV — Beam Spread 86°H x 86°V		
9505	For Remote Mounted Ballast	$109.90
9505-120H	120V HPF Ballast	218.75
9505-208H	208V HPF Ballast	218.75
9505-240H	240V HPF Ballast	218.75
9505-277H	277V HPF Ballast	218.75
9505-480H	480V HPF Ballast	218.75

LAMPHOLDERS AND FITTINGS



Cat. No.	Description	Each
2	Indoor or Outdoor Utilite	$1.92
S-300	Med. Base Holder, Cast Alum.	3.28
S-301	Adapter Box w/6 — ½" Taps	2.08
S-302	2" Slip Fitter	1.52
S-303	Box Cover, 4" w/½" Tap	.48
S-314	Junction Box, 4" w/6 — ½" Taps	2.00
S-350	Mogul Base Holder, Cast Alum.	4.80
S-400	300W. PAR-56 Holder	9.38
S-500	Chrome Holder, Med. Base	1.60
S-501	Switch Plate w/½" Tap	.64
S-502	½" "Y" Adapter	.64
S-503	Box Cover, 3¼" or 4", w/1—½" Tap	.48
S-504	Wall Adapter w/½" Tap	.48
S-505	Box Cover, ½" Hub, ½" Tap	.80
S-506	Box Cover, ½" Hub, 2 — ½" Taps	1.04
S-507	Box Cover, ½" Hub, 3 — ½" Taps	1.44

SHALDA OUTDOOR LIGHTING

LOUVER LIGHTS



Die cast aluminum louvers and body, 6½" diameter. Vaportight gasket globe and medium base socket. Baked acrylic finish, specify green or black.

Cat. No.	Description	Each
583	Three louver, ½" NPT hub. 100 watt max.	$6.11
583-2	Portable, #583 with spike and 6' cordset	9.10
587	Two louver, ½" NPT hub. 75 watt max.	5.79
587-2	Portable, #587 with spike and 6' cordset	8.87
589	Single top louver, ½" NPT hub. 75 watt max.	5.46
589-2	Portable, #589 with spike and 6' cordset	8.71

PAR 56 LAMPHOLDERS



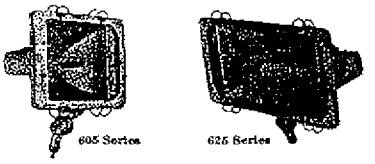
Die cast aluminum. Calibrated ½" NPT swivel fitting. High temperature mogul prong socket with silicon leads. Hinged door with marine type lock and silicon lamp gasket. Aluminum baked acrylic finish.

Cat. No.	Description	Each
306	For 300 watt PAR-56 lamps	$9.04
306-Y	Same as 306 except w/yoke brkt.	12.03
306-Q	Same as 306 except for Q500 watt PAR-56 quartz lamps	9.17
306-QY	Same as 306-Q w/yoke bracket	12.16

PAR 64 LAMPHOLDERS

Cat. No.	Description	Each
364	For 500 watt PAR-64 lamps	$11.38
364-Y	Same as 364 w/yoke bracket	14.95

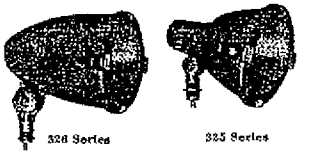
T-3 QUARTZ FLOODLIGHTS



For 300-500 watts (605 series) and 1000-1500 watts (625 series) T-3 tungsten halogen (quartz) lamps. Die cast aluminum housing, Alzak aluminum reflector; heat and impact resistant door glass; stainless steel snap latches (no tools required for relamping); patented leveling device.

Cat. No.	Description	Each
605-1	Narrow beam, 300-500 watts	$24.05
605-3	Medium beam, 300-500 watts	24.05
605-S	Wide beam, 300-500 watts	24.05
625-1	Narrow beam, 1000-1500 watts	28.93
625-3	Medium beam, 1000-1500 watts	28.93
625-5	Wide beam, 1000-1500 watts	28.93

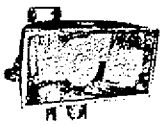
325-326 SERIES LAMPHOLDERS



For 250 watt single ended iodine quartz lamps. Ideal for both indoor and outdoor use for many smaller lighting applications. Die cast aluminum. Calibrated ½" NPT male swivel fitting. Reflector: grade aluminum, precision spun; finished in specular, semi-specular or matte; baked acrylic enamel paint.

Cat. No.	Description	Each
325-1	Narrow beam, specular finish	$10.73
325-3	Med. beam, semi-specular finish	10.01
325-S	Wide beam, diffused finish	10.01
326-1	Narrow beam, specular finish	12.16
326-3	Med. beam, semi-specular finish	11.51
326-S	Wide beam, diffused finish	11.51
1031-3	Ground Spike and 3/c Cord Set	3.25
1325	Wire Guard	1.95
1326	Louver Assembly, 45° cutoff	3.25
1327	Glare Tube, 3" long	2.60

WIDE-LITE FLOODLIGHTS



F SERIES AND FJ SERIES FLOODLIGHTS

For mercury vapor and metal halide lamps.



F Series Floodlights are supplied with mast fitters of 2" standard pipe. A trunnion base mount (HV-2) or adapter for lowering mechanism (TH-1) is available for fixtures without integral ballasts at no increase in price if specified on original order. FJ Series fixtures come with mast fitters for 1¼" pipe or wall mounting brackets. To specify wall bracket, add "S" (FJ-175S). For vertical mounting models without integral ballasts, specify FJ-250V for mast fitter; FJ-250SV for wall bracket. A choice of type A, B, C or D reflectors is available on F Series floodlights; a choice of A or C only for FJ models. Show type designator as the first letter in third part of catalog number (F-1001-AWRB-B, FJ-175-AWRB-B).

Catalog No.	Ballasts Available (See summary of characteristics, this section)	List
F-1001-( )LB	Not Included	$128.25
F-1001-( )W___	RB-B, RB-C, RB-D, RB-E (regulating)	231.00
F-1001-( )WB-	-D (reactor)	199.50
F-401-( )LB	Not Included	82.50
F-401-( )W___	RB-B, RB-C, RB-D, RB-E (regulating)	151.50
F-401-( )WB-	-C (auto-transformer)	130.50
F-401-( )WB-	-C, -E (reactor)	142.50
FJ-250-( )LB	Not Included	48.75
FJ-250-( )W___	RB-B, RB-C, RB-D, RB-E (regulating)	97.50
FJ-250-( )WB-	-CN, -EN (reactor)	78.00
FJ-175-( )LB	Not Included	48.75
FJ-175-( )W___	RB-B, RB-C, RB-D, RB-E (regulating)	97.50
FJ-175-( )WB-	-CN, -EN (reactor)	78.00
FJ-100-( )LB	Not Included	48.75
FJ-100-( )W	RB-B, RB-C, RB-D, RB-E (regulating)	97.50
FJ-100-( )WB-	-CN, -EN (reactor)	78.00

HO SERIES FLOODLIGHTS

High Output Floodlights for Mercury Lamps

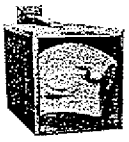
Catalog No.	Ballasts Available (See summary of characteristics, this section)	List
HO-1001-( )W___	RB-15C, RB-15D, RB-15E (regulating)	$281.25
HO-1001-( )WB-	15D (reactor)	213.00



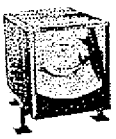
SPECTRA I AREA LIGHTS

Standard luminaire fits a support bracket on Spectra pole; optional support bracket (Cat. No. SMF-40) with a slip fitter for standard tenon is available. Luminaire operates on remote ballast.

Catalog No.	Description	Each
S-4000-FLB	Luminaire for four 1000 watt lamps	$540.00
S-1600-FLB	Luminaire for four 400 watt lamps	540.00







SPECTRA III FLOODLIGHTS

Exclusive adjustable reflector permits vertical aiming without moving fixture. Choice of type A, B, C, D beam patterns permits broad, smooth lighting from clear or phosphor coated lamps. Integral ballast is encapsulated in a special compound. Spectra III may be wall or ground mounted, or mounted singly or in multiples on poles. Supplied with mounting bracket for a mast fitter for 2" standard pipe (SMF-14) or wall bracket (SWB-14). The mast fitter is required for installation on poles, pole brackets and SFB flat base mounts.

Catalog No.	Ballasts Available (See summary of characteristics, following page)	Each
SF-1000-( )LB	Not Included	$173.00
SF-1000-( )W___	RB-B, RB-C, RB-D, RB-E (regulating)	245.25
SF-1000-( )WB-	-D (reactor)	225.75
SF-400-( )LB	Not Included	122.25
SF-400-( )W___	RB-B, RB-C, RB-D, RB-E (regulating)	169.50
SF-400-( )WB-	-C, -E (reactor)	165.75
Floodlights for Lucalox and Ceramalux Lamps		
SFL-400-WB-	OX, CX, DX, EX (regulating)	$256.50

SPECTRA II POST TOP LUMINAIRES

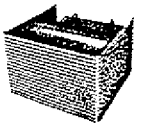




Luminaires are supplied with or without integral ballasts. Features include embossed lenses on all four sides and bottom of fixture. Supplied with fitters for 2" standard pipe and for Spectra posts.

Catalog No.	Ballasts Available (See summary of characteristics, following page)	Each
S-1000-LB	Not Included	$149.25
S-1000-W___	RB-B, RB-C, RB-D, RB-E (regulating)	220.50
S-1000-WB-	-D (reactor)	201.00
S-400-LB	Not Included	143.75
S-400-W___	RB-B, RB-C, RB-D, RB-E (regulating)	192.00
S-400-WB-	-C, -E (reactor)	188.25
S-250-LB	Not Included	143.75
S-250-W___	RB-B, RB-C, RB-D, RB-E (regulating)	184.50
S-250-WB-	-C, -E (reactor)	176.25
S-175-LB	Not Included	143.75
S-175-W___	RB-B, RB-C, RB-D, RB-E (regulating)	184.50
S-175-WB-	-C, -E (reactor)	176.25
S-100-LB	Not Included	143.75
S-100-W___	RB-B, RB-C, RB-D, RB-E (regulating)	149.25
S-100-WB-	-C, -E (reactor)	145.50
Luminaires for Lucalox and Ceramalux Lamps		
SL-400-LB	Not Included	$143.75
SL-400-WB-	OX, CX, DX, EX (regulating)	279.75

SPECTRA IV WALL WASHER



Spectra IV wall washers install directly to walls; no auxiliary mounting brackets required. Models for up and down lighting are standard; to order luminaire that gives light in only one direction, specify "up" when ordering (same luminaire gives up or down light). Luminaires are supplied with encapsulated ballasts.

Catalog No.	Ballasts Available (See summary of characteristics, following page)	Each
SD-250-W___	RB-B, RB-C, RB-D, RB-E (regulating)	$100.50
SD-250-WB-	-C, -E (reactor)	93.00
SD-175-W___	RB-B, RB-C, RB-D, RB-E (regulating)	100.50
SD-175-WB-	-C, -E (reactor)	93.00

SPECTRA V



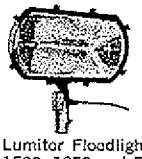


Dustproof Indoor Luminaires — For mercury vapor, metal halide and high pressure sodium lamps.

Spectra V luminaires can be quickly recessed in any type of ceiling or can be inexpensively surface mounted. Luminaires are available with embossed or clear lenses. For maximum efficiency, specify clear lens for phosphor-coated lamps, embossed lens for clear lamps. Order by inserting "A" for clear, "F" for embossed, in third part of catalog number: SS-400-FWB-B. Specify SR for Spectra recessed; SS for Spectra surface mount.

400-watt models are available with or without integral, plug-in ballast; low-wattage models available with ballast only.

Catalog No.	Ballasts Available (See summary of characteristics, this section)	List
SR-400-( )LB	Not Included	$130.50
SR-400-( )W___	RB-B, RB-C, RB-D, RB-E (regulating)	177.75
SR-400-( )WB-	-C, E (reactor)	173.25
SS-400-( )LB	Not Included	154.50
SS-400-( )W___	RB-B, RB-C, RB-D, RB-E (regulating)	201.75
SS-400-( )WB-	-C, -E (reactor)	198.00
SR-250-WRB-	B, C, D, E (regulating)	92.25
SR-250-WB-	C, E (reactor)	84.00
SS-250-WRB-	B, C, D, E (regulating)	92.25
SS-250-WB-	C, E (reactor)	84.00
SR-175-WRB-	B, C, D, E (regulating)	92.25
SR-175-WB-	C, E (reactor)	84.00
SS-175-WRB-	B, C, D, E (regulating)	92.25
SS-175-WB-	C, E (reactor)	84.00
SR-100-WRB-	B, C, D, E (regulating)	88.50
SR-100-WB-	C, E (reactor)	84.00
SS-100-WRB-	B, C, D, E (regulating)	88.50
SS-100-WB-	C, E (reactor)	84.00
Luminaires for Lucalox and Ceramalux Lamps		
SRL-400-FWB-	CX (reactor)	$240.00
SSL-400-FWB-	CX (reactor)	266.50

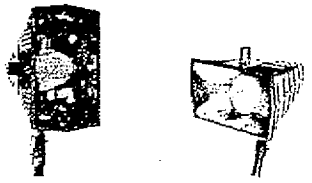


LUMITOR FLOODLIGHTS

Lumitor Floodlights are available for use with 1500, 1250 and 500 watt quartz-iodine lamps. Black finish standard; epoxy-base aluminum optional. Fixture is supplied with mast fitter for 1¼" pipe. Lamp is not included. All models feature a choice of reflectors, identified by the first letter in the catalog number suffix: L-500-ALB.

Cat No.	Lamp Wattage	Beam Characteristics	Each
L-1500-ALB	1500, 1250	Narrow vertical spread	$51.75
L-1500-BLB	1500, 1250	Very narrow vertical spread	51.75
L-1500-CLB	1500, 1250	Medium vertical spread	51.75
L-1500-DLB	1500, 1250	Medium vertical spread	51.75
L-500-ALB	500	Narrow vertical spread	43.50
L-500-BLB	500	Very narrow vertical spread	43.50
L-500-CLB	500	Medium vertical spread	43.50

WIDE-LITE



SW SERIES FLOODLIGHTS

For mercury vapor, metal halide and high pressure sodium lamps.

SW Series luminaires are specifically designed to take advantage of the greater lumen output of modern light sources. Fixtures come pre-wired for installation; are supplied with calibrated mast fitter for 2" standard pipe. Choice of A, B, C or D reflectors. Specify by using type designator as the first letter in the third part of catalog number SW-1000AWRB-B. Floodlights are symmetrical in either vertical or horizontal position. To order, add H to wattage designation for horizontal, V for vertical mounting: SW-1000H-BWRB, SW-1000V-BWRB.

Catalog No.	Ballasts Available (See summary of characteristics, following page)	Each
SW-1000-( )LB	Not included	$165.75
SW-1000-( )W____	RB-B, RB-C, RB-D, RB-E (regulating)	242.25
SW-1000-( )WB-	-D (reactor)	213.75
SW-400-( )LB	Not included	128.75
SW-400-( )W____	RB-B, RB-C, RB-D, RB-E (regulating)	161.25
SW-400-( )WB-	-C, -E (reactor)	153.00



EG SERIES LUMINAIRES

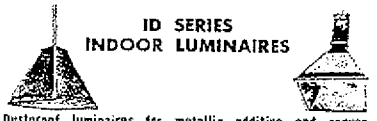
"Wide-Lite" Enclosed & Gasketed (vapor tight) fixtures are made to withstand extreme environmental stress of chemical plants, refineries and other types of heavy industry. Special epoxy and silicone rubber coatings are available for unusually corrosive areas.

Catalog No.	Ballasts Available	Each
EG-1001-( )LB	Not Included	$150.00
EG-1001-( )W____	RB-B, RB-C, RB-D, RB-E (regulating)	253.50
EG-1001-( )WB-	-D (reactor)	222.00
EG-401-( )LB	Not Included	91.50
EG-401-( )W____	RB-B, RB-C, RB-D, RB-E (regulating)	160.50
EG-401-( )WB-	-C, -E (reactor)	151.50
EG-175-AW____	RB-B, RB-C, RB-D, RB-E (regulating)	97.50
EG-175-AWB-	-CN, EN (reactor)	82.50
EG-100-AW____	RB-B, RB-C, RB-D, RB-E (regulating)	91.50
EG-100-AWB-	-D (auto-transformer)	63.75
EG-100-AWB-	-CN, -EN (reactor)	54.00

NOTE: 1000 and 400 watt models are supplied with flexible coupling and conduit fitting with gasketed cover plate.

All 175 and 100 watt models have integral, pre-wired ballasts and are shipped ready to install.

Complete information on the full line of WIDE-LITE floodlights and indoor luminaires, accessories, poles and dry-type transformers is available upon request.



ID SERIES INDOOR LUMINAIRES

Dustproof luminaires for metallic additive and conventional mercury vapor lamps. A choice of type A (specular) or C (diffusing) Alzak reflectors is available on all models. Specify reflector by using type designator as the first letter in the third part of the catalog number: ID-1000-AWRB-B or ID-1000-CWRB-B. Models with embossed, rather than clear, lenses, are available at no increase in price if specified on original order. To order, use F as the first letter in third part of catalog number: ID-1000-FWB-D. Luminaires are UL listed and are offered with and without integral ballasts.

Catalog No.	Ballasts Available (See summary of characteristics, this page)	Each
ID-1000-( )LB	Not included	$79.50
ID-1000-( )W____	RB-B, RB-C, RB-D, RB-E (regulating)	155.25
ID-1000-( )WB-	-D (reactor)	129.75
ID-400-( )LB	Not included	63.00
ID-400-( )W____	RB-B, RB-C, RB-D, RB-E (regulating)	109.50
ID-400-( )WB-	-C, -E (reactor)	105.75
ID-250-( )LB	Not included	56.25
ID-250-( )W____	RB-B, RB-C, RB-D, RB-E (regulating)	96.00
ID-250-( )WB-	-C, -E (reactor)	92.25
	Luminaires for Lucalox and Ceramalux Lamps	
ID-400-CLB	Not included	63.00
ID-400-CLB-____	OX, CX, DX, EX (regulating)	198.00

NOTE: A complete line of recessing accessories for ID and IDR Series Indoor Luminaires is available for installation into virtually any type ceiling. Full information upon request.

SUMMARY OF BALLAST CHARACTERISTICS

Cat. No. Suffix	Characteristics	Open Cct. Sec. Volts	Lamp Option
1500 Watt			
RB-C	240v., HPV, regulating	430	F
RB-D	480v., HPF, regulating	430	F
RB-E	277v., HPF, regulating	430	F
-D	480v., HPF, reactor	480	F
1000 Watt			
RB-B	120/240v., HPF, regulating	380	C
RB-C	208v., HPF, regulating	380	C
RB-D	480v., HPF, regulating	380	C
RB-E	277v., HPF, regulating	380	C
B-D	480v., HPF, reactor	480	C
-D2	480v., HPF, lead-lag reactor	480	E
-D2M	480v., HPF, lead-lag reactor	480	D
400 Watt			
RB-B	120/240v., HPF, regulating	310	B
RB-C	208v., HPF, regulating	310	B
RB-D	480v., HPF, regulating	310	B
RB-E	277v., HPF, regulating	310	B
-C	115/125 NPF, auto-transformer	225	E
-C	240v., HPF, reactor	240	E
-E	277v., HPF, reactor	277	D
-C2	240v., HPF, lead-lag reactor	240	E
-E2	277v., HPF, lead-lag reactor	277	E
250 Watt			
RB-B	120/240v., HPF, regulating	225	E
RB-C	208v., HPF, regulating	225	E
RB-D	480v., HPF, regulating	480	E
RB-E	277v., HPF, regulating	225	E
-C	240v., HPF, reactor	240	E
-E	277v., HPF, reactor	277	E
-CN	240v., NPF, reactor	240	E
-EN	277v., NPF, reactor	277	E
175 Watt			
RB-B	120/240v., HPF, regulating	307	B
RB-C	208v., HPF, regulating	307	B
RB-D	480v., HPF, regulating	307	B
RB-E	277v., HPF, regulating	307	B
-C	240v., HPF, reactor	240	E
-E	277v., HPF, reactor	277	E
-CN	240v., NPF, reactor	240	E
-EN	277v., NPF, reactor	277	E
100 Watt			
RB-B	120/240v., HPF, regulating	225	E
RB-C	208v., HPF, regulating	225	E
RB-D	480v., HPF, regulating	225	E
RB-E	277v., HPF, regulating	225	E
-L	115/125v., NPF, auto-transformer	225	E
-C	240v., HPF, reactor	240	E
-E	277v., HPF, reactor	277	E
-CN	240v., NPF, reactor	240	E
-EN	277v., NPF, reactor	277	E

Lamp Options:

B — Mercury vapor, Multi-Vapor and Metalarc down to —20°F.

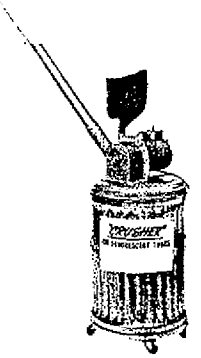
C — Conventional Mercury vapor and Multi-Vapor down to —20°F; Metalarc down to 50°F. To use Metalarc down to —20°F add —20 to catalog number; add $10.00 to suggested list price (regulating ballasts only).

D — Conventional mercury vapor down to —20°F; Multi-Vapor down to 0°F.

E — Conventional mercury vapor only down to —20°F.

F — Mercury vapor and Multi-Vapor down to —20°F.

FLUORESCENT TUBE CRUSHERS



Dispose of burnt out tubes instantly. Simply feed tubes into unit. High speed impeller breaks them into small fragments in a fraction of a second.

Save space and hauling costs. Over 350 4-ft. long tubes fit into container of less than 4 cu. ft. capacity.

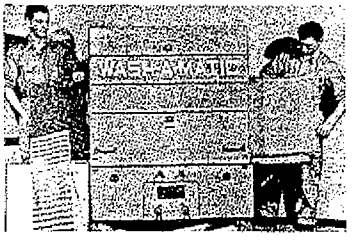
Safe — less handling of fragile tubes. May be located at waste disposal station or equipped with casters and moved to work location. Receptacles have sockets for casters.

Heavy duty construction. Impeller is hard faced for wear resistance. No air borne dust. Vertical filter bag is self-cleaning. One year guarantee against defects in material and workmanship.

Motor is 1/3 h.p., 110-volt, totally enclosed, single phase A.C., with self-contained switch. Height, 70 inches. Receptacle diameter, 19 inches.

Cat. No.	Description	Shpg. Wt. Lbs.	Each
CR-T500	Unit complete w/ one 1½" dia. tube and one 2¼" dia. tube complete w/ casters installed	112	$303.50

WASH-A-MATIC CLEANER/DESTATICISER



For cleaning lighting diffusers and reflectors. Automatically washes, scrubs, rinses, destatacises and sheet dries 1500 lighting diffusers and reflectors in the time normally required to clean barely 100.

Quiet, self-contained and portable for on-the-spot use. Models available for cleaning louvers and diffusers of all sizes plus a special model for painted and porcelain enamel industrial reflectors. All hoods are interchangeable with one tank.

Cat. No.	Description	Each*
	Wash-A-Matic Units	
WAM-18	Especially designed to wash industrial reflectors, RLM type, porcelain enamel and painted, up to 8" thick	$2187.00
WAM-24	For diffusers up to 24" wide, not more than 5½" deep. Length not important	2150.00
WAM-36	For diffusers up to 36" wide, not more than 5½" deep. Length not important	2150.00
WAM-48	For 4' x 4' diffusers not more than 5½" deep	2187.00

*Rollaway stacking and drying trays not included in price.

Rollaway Stacking and Drying Trays

RST-72	For fixtures up to 4'	$125.00
RST-96	For fixtures up to 8'	165.00

Cleaning and Rinsing Supplies

Description	Each
Standard Deterg-A-Matic, 30-lb. drum	$28.50
Industrial Deterg-A-Matic, 30-lb. drum	28.50
Standard Rinse-A-Matic, 8 oz. bottle	2.66
Industrial Rinse-A-Matic, 8 oz. bottle	2.66

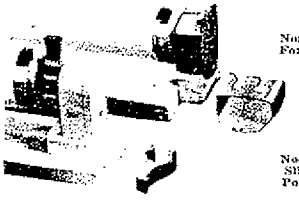
KENALL HERCULEX LIGHTMATE



Constructed of a miracle plastic so tough that it will take a full hammer blow. Built to house a standard 100-watt incandescent lamp, this indestructible diffuser provides a maintenance-free, bug-proof and moisture-resistant fixture designed to take an accidental or intentional beating. Available in either standard or tamperproof models.

Cat. No.	No. 3650	Description	Each
		Standard Models	
3636		Wall Bracket	$ 8.40
3650		Wall Bracket w/Back Box	11.76
3670		Wall Bracket w/Grounded Outlet	10.80
		Tamperproof Models	
3663		Tamperproof Bracket	9.24
3653		Tamperproof Bracket w/Back Box	12.60
3673		Tamperproof Bracket w/Grd. Outlet	11.64
		Accessories	
9000		Tamperproof Screwdriver	1.62
9050		Cast Box only	3.36
9070		Collar only w/Grounded Outlet	2.40
		200 Watt	
3808		Ceiling Drum	20.40

LADUBY FLUR-O-LOCKS



Reduce accidents from falling lamps. Flur-O-Locks tend to increase the efficiency of the lamp and protect ballasts. No arcing at lamp contacts. Available for all standard fluorescent lamp fixtures.

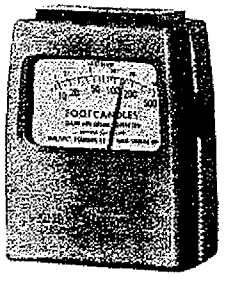
No. P-40 For All Type Tombstone Sockets
Slides on over tombstone lamp holders. One-piece lock for commercials and industrials. For use on T-8, T-12 lamps. 14 to 40 watt,
.....per 100 $10.00

No. P-60 For T-17 Lamps
One-piece lock for 65-100 watt bi-pin lamps
.....per 100 $15.00

No. SL-50 For Power Groove and Slimline Fluorescent Lamps
For use with recessed bi-pin lamps
.....per 100 $16.00

GENERAL ELECTRIC

POCKET-SIZE LIGHT METER

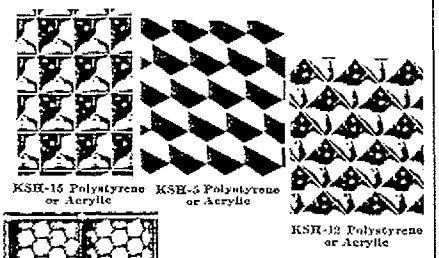


The newest version of this popular GE type 213 light meter is scaled in both hectolux units (the international system expressed in hundreds of lumens per square meter) and footcandles (lumens per square foot). A slide-switch permits selection of either of two ranges of sensitivity for full-scale deflection. Weighs only 3 ounces and stands 2⅜" high. Measures light over a range of 5 to 5000 footcandles. Also features correction for color-quality of the light, and cosine-correction for the incident angle of light.

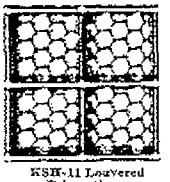
Price includes leather case, instruction folder, and photographic exposure calculator.

Type 213 Light Meter .....each $19.50

K-S-H FIXTURE REPLACEMENT LENS



KSH-15 Polystyrene or Acrylite — KSH-5 Polystyrene or Acrylite — KSH-12 Polystyrene or Acrylite

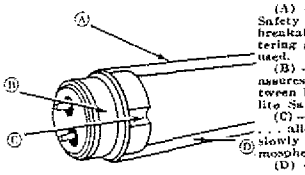


KSH-11 Louvered Prismatic — Polystyrene or Acrylite

Graybar can furnish quality non-yellowing replacement lenses for present installations. Flat panels are available in various types and sizes.

Your local Graybar office can supply you with detailed information and prices.

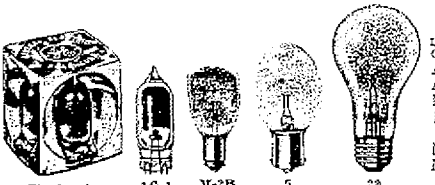
ARM-A-LITE SAFETY SHIELDS



(A) — Arm-a-Lite Safety Sleeve . . . unbreakable, retains shattering glass. Can be reused.
(B) — End-Locks . . . assures a snug fit between lamp and Arm-a-lite Safety Sleeve.
(C) — Release Channel . . . allows tube gases to slowly disperse into atmosphere.
(D) — Safety Zone . . . Cushion impact. Insulates lamp for outdoor lighting.

Cat. No.	Length	Lamp	No. Pins	Each
TP 312	48"	F-48 T10	Double	$1.75
TP 312	48"	F-48 T12	Double	1.75
TP 312S	48"	F-48 T12	Single	1.75
TP 312W	48"	F-40 T12	Double	1.75
TP 392	60"	F-60 T12	Single or Double	2.30
TP 418	64"	F-64 T12	Single or Double	2.45
TP 472	72"	F-72 T10	Double	2.75
TP 472	72"	F-72 T12	Double	2.75
TP 472S	72"	F-72 T12	Single	2.75
TP 544	84"	F-84 T12	Single or Double	3.20
TP 625	96"	F-96 T10	Double	3.50
TP 625	96"	F-96 T12	Double	3.50
TP 625S	96"	F-96 T12	Single	3.50

GENERAL ELECTRIC LAMPS

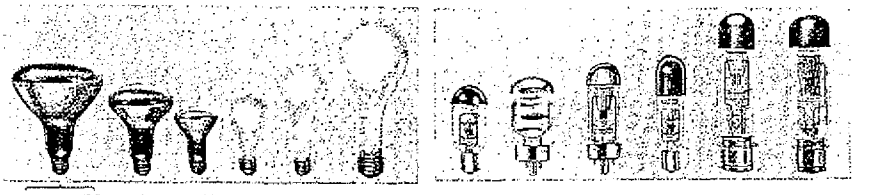


PHOTOFLASH LAMPS

Lamp Order No.	Std. Pkg.	List Price Each	Lamp Order No.	Std. Pkg.	List Price Each
AG-1	144	$0.15	M3B	144	$0.20
AG-1B	144	.15	5	144	.22
Magicube	36	.75	5B	144	.22
Flashcube (4 flashes)	36	.60	22	120	.40
M2B	144	.20	22B	120	.42
M3	144	.20	50	60	.45
			50B	60	.45

NOTE: Suffix "B" indicates "Universal Blue" filter coating.

PHOTOFLOOD AND PROJECTION LAMPS



PHOTOFLOOD LAMPS

ASA Code	Watts	Bulb	Base	Description	Color Temp. °K	Std. Pkg.	List Price Each
BBA	250	A-21	Med.	PH/1, I.F.	3400	60	$ .60
BEP	300	R-30	Med.	Refl. Movie Light	3400	24	1.70
BFA	375	R-40	Med.	Refl. PH375/34R	3400	24	2.20
DAN	200	R-20	Med.	Refl. Flood	3400	24	3.35
DWA	650	PAR-56	FC	Movie Light	3400	6	6.50
DXB	500	R-40	Med.	RSP-2 Spot Beam	3400	24	3.15
DXC	500	R-40	Med.	RFL-2 Flood Beam	3400	24	2.50
DXK	650	PAR-36	FC	Movie Light	3400	4	17.60
EBR	375	R-30	Med.	Refl. Movie Light	3400	24	2.40
EBV	500	PS-25	Med.	PH/2 Flood, I.F.	3200	60	.80
DMS	500	T-20	Med.	Studio	3200	24	5.80
DMX	500	T-20	Med.	Studio	3200	24	5.75
BCA	250	A-21	Med.	PH/B1	4800	60	.75
DXT	1000	PS-35	Mog.	PH/B4	4800	24	4.65
EBW	500	PS-25	Med.	PH/B2	4800	60	1.15

PROJECTION LAMPS

115-120 Volts. Opaque Top Lamps

ASA Code	Watts	Bulb	Base	Description	Std. Pkg.	List Price Each
CAL	300	T-10	4-Pin	Movie-slide	24	$ 4.95
CAR	150	T-10	4-Pin	Slide	24	4.60
CAX	50	T-8	D.C. Bay.	Movie	24	2.80
CEW	150	T-8	S.C. Bay.	Movie-slide	24	2.75
CLS	300	T-8 1/2	S.C. Bay.	Slide	24	4.45
CYC	300	T-10	S.C. Bay.	Slide	24	4.45
CTT	1000	T-12	4-Pin	Movie	24	10.30
CWA	750	T-12	4-Pin	Movie	24	9.25
CXK	300	T-10	Med. Pf.	Movie-slide	24	5.25
CZA	500	T-10	4-Pin	Movie-slide	24	6.50
CZX	500	T-10	Med. Pf.	Movie-slide	24	6.25
DAK	500	T-10	4-Pin	Movie-slide	24	5.90
DEF	150	T-12	4-Pin	Movie	24	7.75
DEK	500	T-12	4-Pin	Slide	24	6.70
DDB	750	T-12	Med. Pf.	Movie-slide	24	6.50
DEJ	750	T-12	Lg. Index Ring	Movie	24	7.30
DFY	1000	T-12	Lg. Index Ring	Movie	24	7.90
DRS	1000	T-20	Med. Pf.	Movie-slide	24	8.25
DKM(21.5v)	250	T-14	4-Pin	Movie	24	10.10
DLR(21.5v)	250	T-14	4-Pin	Movie	24	9.30
MARC-300/16	300	Arc lamp in dichroic refl.	Special 2-Pin plug	Movie	4	39.95

Refer to Page 138 for Lamp Discounts.
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC LAMPS

*120 Volts, except where noted

LAMP DISCOUNT SCHEDULES

All Prices Shown Are Manufacturer's List Price

LARGE LAMP DISCOUNTS TO PURCHASERS WITHOUT CONTRACT

Purchase of:	Discount
Less than $10.00 List Value	None
$10.00 List and Over	Contact Nearest Graybar Office

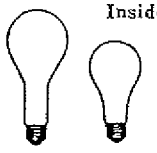
SEE US ABOUT A GE LAMP CONTRACT

By purchasing all your large lamps on a GE contract with Graybar, you will receive the maximum discount based on the total amount of all your lamp purchases. Graybar offers 10,000 different shapes, sizes, and large, photo, and miniature types to meet every requirement. Graybar gives local delivery nationally from over 140 locations.

MINIATURE and PHOTO lamp discounts obtainable on request.

CONTACT NEAREST GRAYBAR OFFICE FOR DETAILS

GE STANDARD LAMPS



Inside frost. Medium base. 120 volts

For most general lighting purposes. Inside frost diffuses the light and helps to eliminate glare.

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Maximum Over-all Length (inches)	Initial Lumens	Approx. Hours Life
15	A-15	15A15	120	$0.32	3½	126	2500
25	A-19	25A	120	.32	3⅞	235	2500
40	A-19	40A	120	.30	4¼	455	1500
60	A-19	60A	120	.30	4⅞	870	1000
75	A-19	75A	120	.30	4⅞	1190	750
100	A-19	100A	120	.30	4⅞	1750	750
150	PS-25	150	60	.55	6⅛	2680	750
150	A-21	150A	60	.41	5½	2880	750
200	PS-30	200/IF	60	.60	8⅛	3710	750
200	A-23	200A	60	.46	6⅞	4010	750
300	PS-25	300M/IF	60	.70	6⅛	6360	750
		Inside frost. Mogul base. 120 volts					
300	PS-35	300/IF	24	.90	9⅝	5860	1000
500	PS-35	500/IF	24	1.30	9⅝	10850	1000
750	PS-52	750/IF	12	3.50	13	17040	1000
1000	PS-52	1000/IF	12	3.45	13	23740	1000
1500	PS-52	1500/IF	12	5.10	13	34400	1000

GE CLEAR LAMPS

Medium Base, 120 volts

Use in enclosed diffusing equipment or shielded reflectors which protect the eyes from glare.

40	A-19	40A/CL	120	.34	4¼	455	1500
60	A-19	60A/CL	120	.34	4⅞	870	1000
75	A-19	75A/CL	120	.34	4⅞	1190	750
100	A-19	100A/CL	120	.34	4⅞	1750	750
150	A-21	150A/CL	60	.43	5½	2880	750
200	A-23	200A/CL	60	.46	6⅞	4010	750
200	PS-30	200	60	.60	8⅛	3710	750
300	PS-25	300M	60	.70	6⅛	6360	750

GE CLEAR LAMPS

Mogul base. 120 volts

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Maximum Over-all Length (inches)	Initial Lumens	Approx. Hours Life
300	PS-35	300	24	$0.90	9⅝	5860	1000
500	PS-35	500	24	1.25	9⅝	10850	1000
750	PS-52	750	12	3.30	13	17040	1000
1000	PS-52	1000	12	3.30	13	23740	1000
1500	PS-52	1500	12	5.00	13	34400	1000



*120 Volts, except where noted

GE REFLECTOR FLOOD AND SPOT LAMPS

Watts	Bulb	Base	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Max. O'all Length	Approx. Initial Lumens	Approx. Hours Life
30	R-20	Med.	30R20†	60	$1.69	3⅛	210	2000
50	R-20	Med.	50R20†	60	1.79	3⅛	440	2000
75	R-30	Med.	75R30/FL	60	1.30	5⅜	900	2000
75	R-30	Med.	75R30/SP	60	1.30	5⅜	900	2000
150	R-40	Med.	150R/FL	24	1.39	6⅜	1870	2000
150	R-40	Med.	150R/SP	24	1.39	6⅜	1870	2000
300	R-40	Med.	300R/FL	24	2.10	6⅜	3650	2000
300	R-40	Med.	300R/SP	24	2.10	6⅜	3650	2000
300	R-40	Mog.	300R/3FL‡	24	4.05	7¼	3650	2000
300	R-40	Mog.	300R/3SP‡	24	4.05	7¼	3650	2000
500	R-40	Mog.	500R/3FL‡	24	4.90	7¼	6500	2000
500	R-40	Mog.	500R/3SP‡	24	4.90	7¼	6500	2000
500	R-52	Mog.	500R52	12	5.30	11¾	7600	2000
750	R-52	Mog.	750R52	12	6.30	11¾	13000	2000
1000	RB-52	Mog.	1M/RB52	12	7.50	12⅛	18900	2000

†115-125 volts. ‡Heat-resistant glass bulb.



GE DAYLIGHT LAMPS

Medium Base. 115-125 Volts

Daylight lamps give a somewhat "whiter" color quality of light. Use to give more sparkle to merchandise such as jewelry.

Watts	Bulb	Lamp Ordering Code	Finish	Std. Pkg. Qty.	List Price	Maximum Over-all Length (inches)	Initial Lumens	Approx. Hours Life
60	A-19	60A/D	I.F.	120	$0.60	4⅞	500	1000
60	A-19	60A/DCL	Clear	120	.80	4⅞	...	1000
100	A-23	100A/D	I.F.	120	.65	5⅛	910	750
100	A-23	100A/DCL	Clear	120	.75	5⅛	...	750
150	PS-25	150/D	I.F.	60	1.00	6⅛	...	1000

GE SILVERED BOWL LAMPS

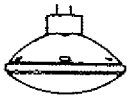
120 volts

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Maximum Over-all Length (inches)	Initial Lumens	Approx. Hours Life
60	A-19	60A/SB	120	$0.75	4⅞	740	1000
100	A-23	100A/SB	120	1.00	5⅛	1470	750
100	A-21	100A/1SBIF	120	.95	5¼	....	1000
150	PS-25	150/SB	60	1.00	6⅛	2370	1000
200	PS-30	200/SBIF	60	1.25	8⅛	3320	1000
300	PS-35	300/SBIF†	24	1.80	9⅝	5410	1000
300	PS-35	300MS/SBIF‡	24	2.30	9⅞	.....	1000

†Mogul base. ‡Medium skirted base.

GE PROJECTOR (PAR) LAMPS

120 Volts—Heat-resistant Glass Bulb



Self-contained spot and flood lamps. May be used indoors or outdoors. The 300 and 500 watt lamps should be protected from moisture.

Watts	Bulb	Base	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Initial Lumens	Approx. Hours Life
75	PAR-38	Med. skrt.	75PAR/FL	12	$ 2.20	765	2000
75	PAR-38	Med. skrt.	75PAR/SP	12	2.20	765	2000
100	PAR-38	Med. skrt.	100PAR/*	12	2.95	...	2000
150	PAR-38	Med. skrt.	150PAR/FL	12	2.25	1740	2000
150	PAR-38	Med. skrt.	150PAR/SP	12	2.25	1740	2000
150	PAR-38	Med. side prong	150PAR/3FL	12	2.95	1740	2000
150	PAR-38	Med. side prong	150PAR/3SP	12	2.95	1740	2000
200	PAR-46	Med. side prong	200PAR46/3NSP	12	5.95	2300	2000
200	PAR-46	Med. side prong	200PAR46/3MFL	12	5.95	2300	2000
300	PAR-56	Mog. end prong	300PAR56/NSP	12	6.25	3840	2000
300	PAR-56	Mog. end prong	300PAR56/MFL	12	6.25	3840	2000
300	PAR-56	Mog. end prong	300PAR56/WFL	12	6.25	3840	2000
500	PAR-64	†	500PAR64/NSP	8	13.65	6500	2000
500	PAR-64	†	500PAR64/MFL	8	13.65	6500	2000
500	PAR-64	†	500PAR64/WFL	8	13.65	6500	2000

†Extended mogul end prong base. *115-125 volts only. When ordering substitute color code for *. Colors: A (amber), B (blue), BW (blue white), G (green), PK (pink), R (red), Y (yellow).

GE QUARTZLINE® PROJECTOR AND REFLECTOR LAMPS

120 Volts — 4000 Hours Approx. Life

Watts	Bulb	Base	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Approx. Initial Lumens
250	PAR-38	Med. skrt.	*Q250PAR38FL	12	$11.25	3180
250	PAR-38	Med. skrt.	*Q250PAR38SP	12	11.25	3180
500	PAR-56	†	*Q500PAR56NSP	6	18.95	7650
500	PAR-56	†	*Q500PAR56MFL	6	18.95	7650
500	PAR-56	†	*Q500PAR56WFL	6	18.95	7650

*Mogul end prong base. †Special heat resisting glass bulb.

*120 Volts, Except Where Noted.

GE EXTENDED SERVICE LAMPS

2500 Hours Life 120 Volts



For use where replacement costs are exceptionally high or energy rates unusually low. Extended service lamps give an average 20% less light than standard lamps under normal conditions.

Watts	Bulb	Base	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Maximum Over-all Length (Inches)	Initial Lumens
60	A-19	Med.	60A/99	120	$0.41	4⅛	775
75	A-19	Med.	75A/99	120	.41	4⅛	. . .
100	A-19	Med.	100A/99	120	.43	4⅛	1490
150	PS-25	Med.	150/99	60	.58	6⅛	2300
150	A-23	Med.	150A23/99	60	.57	6⅛	2310
200	PS-30	Med.	200/99	60	.80	8⅛	3260
200	PS-30	Med.	200/99IF	60	.80	8⅛	. . . .
200	A-23	Med.	200A/99	60	.70	6⅛	3400

GE ROUGH SERVICE LAMPS

120 Volts Medium Base Except Where Noted



For use in extension cords in garages, factories and other places where rough handling is common. Special filament construction is used.

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Maximum Over-all Length (Inches)	Initial Lumens	Approx. Hours Life
25	A-19	25A/RS	120	$0.55	3⅞	235	1000
50	A-19	50A/RS	120	.60	3⅞	490	1000
75	A-21	75A21/RS	120	.70	4⅜	750	1000
100	A-21	100A/RS	120	.48	5¼	1260	1000
150	PS-25	150/RS	60	1.00	6⅛	2160	1000
200	PS-30	200PS30/23	60	1.10	8⅛	3400	1000
200	PS-30	200PS30/24	60	1.00	8⅛	3400	1000
300	PS-35*	300/RS	24	1.85	9⅜	5340	1000

*Mogul base.



GE INFRARED INDUSTRIAL (HEAT) LAMPS

115-125 Volts. Medium Skirted Base Except as Noted

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Max. O'all Length	Life
125	R-40	125R40	24	$2.15	7⅜	†
250	G-30	250G30	60	1.75	7⅛	†
250	R-40*	250R40/1	24	1.60	6⅛	†
250	R-40	250R40/4	24	2.25	7⅜	†
375	G-30	375G30	60	2.10	7⅛	†
375	R-40	375R40	24	2.75	7⅜	†
500	G-30	500G30/1	60	2.15	7⅛	†

†Average laboratory life in excess of 5000 hours. *Medium base.

GE QUARTZ INFRARED TUBULAR LAMPS

Base — Sleeve With Approx. 6" Flexible Leads

Watts	Volts	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Max. Over-all Length (Inches)	Approx. Hours Life
375	115-125	*QH375T3	12	$ 7.40	8⅛	†
500	115-125	*QH500T3	12	7.40	8⅛	†
1000	230-250	*QH1000T3	12	9.55	13⅛	†
1600	230-250	*QH1600T3	12	12.70	19⅛	†
2500	460-500	*QH2500T3	12	15.90	28⅛	†
3800	550-600	*QH3800T3	6	25.95	41⅛	†

*Special heat-resisting glass bulb. †Average laboratory life in excess of 1000 hours.

GE QUARTZLINE® LAMPS

Recessed Single Contact Base Except as Noted

Watts	Volts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Approx. Lighted Lgth.	Approx. Initial Lumens	Approx. Hours Life
250	120	T-4#	*Q250CL/MC	12	$7.20	1⅝	4,850	2000
300	120	T-3	*Q300T3/CL	12	12.00	2⅛	5,950	2000
400	120	T-4	*Q400T4/CL	12	8.50	⅝	7,750	2000
500	120	T-3	*Q500T3/CL	12	10.90	2⅝	10,950	2000
1000	220	T-3	*Q1000T3/CL	6	13.95	5⅛	21,400	2000
1000	240	T-3	*Q1000T3/CL	6	13.95	6⅛	21,400	2000
1500	240	T-3	*Q1500T3/CL	6	14.95	6¾	35,800	2000

#Mini-can base. *Special heat-resisting glass bulb.

®Trademark of General Electric Co.

*120 Volts, Except Where Noted.

GE VIBRATION SERVICE LAMPS

Medium Base 120 Volts



For use on or near rotating machinery or where relatively high frequency vibration exists.

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Maximum Over-all Length (Inches)	Initial Lumens	Approx. Hours Life
25	A-19	25A/VS	120	$0.40	3⅞	262	1000
50	A-19	50A/VS	120	.43	3⅞	550	1000
50	A-19	50A/CL/VS	120	.43	3⅞	. . .	1000
100	A-23	100A23/28	120	1.15	5⅛	1340	1000
150	PS-25	150/VS	60	1.25	6⅛	2400	1000

GE TUFF SKIN LAMPS

Medium Base 115-125 Volts

Virtually shatterproof, completely waterproof and 70% more breakproof than standard lamps.

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Overall Length (In.)	Approx. Hours Life
25	A-19	25A/TF	120	$0.70	3⅞	2500
40	A-19	40A/TF	120	.65	4¼	1500
50	A-19	50A/RS/TF	120	.95	3⅞	1000
60	A-19	60A/TF	120	.70	4⅞	1000
75	A-21	75A21/RS/TF	120	1.15	4⅜	1000
100	A-21	100A21/TF	120	.78	5¼	750
100	A-21	100A/RS/TF	120	.90	5¼	1000
150	PS-25	150PS25/IF/TF	60	1.25	6⅛	1000
150	PS-25	150/RS/TF	60	1.70	6⅛	1000
200	PS-30	200PS30/29TF	60	1.50	8⅛	1000
200	PS-30	200PS30/23TF	60	2.20	8⅛	1000

GE TUBULAR SHOWCASE LAMPS

120 Volts

Watts	Bulb	Base	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Maximum Over-all Length (Inches)	Initial Lumens
25	T-6½	Inter.	25T6½	60	$0.85	5½	244
25	T-6½	Inter.	25T6½/IF	60	.95	5½	240
25	T-10	Med.	25T10	120	.55	5⅝	248
25	T-10	Med.	25T10/IF	120	.60	5⅝	244
25	T-10	Med.	25T10/RFL*	24	2.50	5⅝	232
40	T-8	Med.	40T8	24	1.80	11⅞	430
40	T-8	Med.	40T8/IF	24	2.00	11⅞	425
40	T-10	Med.	40T10	120	.55	5⅝	450
40	T-10	Med.	40T10/IF	120	.60	5⅝	445
40	T-10	Med.	40T10/RFL*	24	2.85	5⅝	430
75	T-10	Med.	75T10/45	24	2.15	11⅞	. . .

*Reflector lamp.

GE HIGH VOLTAGE LAMPS

230 and 250 Volts

Watts	Bulb	Lamp Ordering Code	Finish	Std. Pkg. Qty.	List Price	Maximum Over-all Length (Inches)	Initial Lumens
25	A-19	25A	I.F.	120	$0.60	3⅞	220
50	A-19	50A	I.F.	120	.58	3⅞	490
100	A-21	100A	I.F.	120	.57	5¼	1300
150	PS-25	150PS25/IF	I.F.	60	.90	6⅛	. . . .
200	PS-30	200/IF	I.F.	60	.85	8⅛	3100
200	PS-30	200	Clear	60	.85	8⅛	3100
500	PS-40	500	Clear	24	1.70	9¾	9270
750	PS-52	750	Clear	12	4.25	13	. . . .
1000	PS-52	1000	Clear	12	4.25	13	18900

GE STUDIO AND THEATRE LAMPS

Watts or Amps	Volts	Bulb	Base	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Approx. Hours Life
7.5A	10	T-8	S.C. Bay.	7.5A/T8/92SC	24	$ 2.25	100
25	115-125	S-6	Cand.	25S6	240	.52	50
100	120	A-21	Med.	100A21/SP	120	2.75	200
100	120	G-16½	D.C. Bay.	100G16½/29DC	60	2.55	200
100	120	G-16½	S.C. Bay	100G16½/29SC	60	2.50	200
400	120	G-30	Med.	400G/SP	60	2.95	200
500	120	T-20	Med. pref.	500T20/64	24	14.00	500
750	120	T-24	Med. bip.	750T24/16	24	11.95	50

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC LAMPS

*120 Volts, Except Where Noted.

GE AIRPORT LAMPS

Watts or Amps	Watts or Volts	Bulb	Base	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Approx. Hours Life
6.6A	200W	PAR-56	Mog. end prong	*6.6A/PAR56/2	12	$7.75	300
6.6A	45W	PAR-56	Scr. terminal	*6.6A/PAR56/5	12	5.50	1000
6.6A	45W	PAR-38	Med. skrt.	*45PAR38/6.6	12	4.25	800
6.6A	45W	T-10	Med. pref.	6.6A/T10P	60	2.05	1000
6.6A	30W	T-10	Med. pref.	6.6A/T10/1P	60	2.00	1000
6.6A	200W	T-14	Med. pref.	6.6A/T14P	24	5.65	75
40	120	T-10	Med. pref.	40T10P	60	2.50	1000
500	120	PS-40	Mog. pref.	500PS40/45	24	3.90	1000
500	120	T-20	Med. bip.	*500T20/13	12	12.50	500
620	120	PS-40	Mog. pref.	620PS40/P	24	3.95	3000
620	120	PS-40	Mog. pref.	*620PS40/1P	24	7.80	3000
1000	120	T-20	Mog. bip.	*1M/T20BP	12	20.50	500

*Special heat-resisting glass bulb.

GE SIGN LAMPS

115-125 volts except as described otherwise. Medium Base except as Noted—Translucent Colors



Lamps are coated with a fired-on glass-like ceramic. Filament is not visible through the coating.

Watts	Bulb	Lamp Ordering Code	Description	Std. Pkg. Qty.	List Price	Maximum Over-all Length (Inches)	Initial Lumens	Approx. Hours Life
10	S-11*	10S11N	Clear	120	$0.40	2⅞	80	1500
10	S-11*	10S11N/CW↓	White	120	.45	2⅞	....	1500
10	S-14	10S14	Clear	120	.35	3½	80	1500
10	S-14	10S14/IF	I.F.	120	.35	3½	79	1500
10	S-14	10S14/#	(1)	120	.40	3½	....	1500
11	S-14	11S14↓	Clear	120	.36	3½	80	3000
11	S-14	11S14/IF↓	I.F.	120	.36	3½	79	3000
11	S-14	11S14#↓	(2)	120	.43	3½	....	3000
15	A-15	15A15/CL@	Clear	120	.35	3½	125	2500
15	A-15	15A/#	(3)	120	.42	3½	.....	2500
25	A-19	25A/CL@	Clear	120	.35	3⅞	235	2500

*Intermediate base. @120 volts only. ↓130 volts only.
#When ordering substitute color code for #. Colors: (1) blue /CB, green /CG, orange /CO, red /CR, rose /CR2, white /CW, yellow /Y (2) blue /B, green /G, orange /O, red /R, white /W, yellow /Y (3) blue /B, flametint /FT, green /G, orange/O, red /R, rose /R2, white /W, yellow /Y.

Lexan Coated, Transparent Colors
115-125 Volts Medium Base Except as Noted

High brightness vacuum lamps with LEXAN coatings to provide weather resistant properties for outdoor use.

Watts	Bulb	Lamp Ordering Code	Flash	Std. Pkg. Qty.	List Price	Maximum Over-all Length (Inches)	Approx. Hours Life
10	S-11#	10S11N/*↓	Colors*	120	$0.50	2⅞	1500
11	S-14	11S14/*↓	Colors*	120	.45	3½	3000
15	S-14	15S14/GR/*↓	Colors*	120	.54	3½	3000
25	A-19	25A19/GR/*↓	Colors*	120	.55	3⅞	3000
40	A-21	40A21/GR/*↓	Colors*	120	.60	4⅝	3000

*All six types are available in the same colors. When ordering substitute color code for *; blue (/TB), green (/TG), orange (/TO), red(/TR), yellow (/TY), #Intermediate base. ↓130 volts only.

GE MULTI-VAPOR™ LAMPS

Mogul Base

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Initial Lumens	Rated Life
400	E-37	MV400/VBU/O	6	$26.80	34,000	8000
400	E-37	MV400/VBD/O	6	26.80	34,000	8000
400	E-37	MV400/HV/E	6	26.80	30,500	8000
1000	BT-56	MV1000/VBU/O	6	59.50	91,500	7500
1000	BT-56	MV1000/HBU/E	6	59.50	85,500	6000
1000	BT-56	MV1000/HBD/E	6	59.50	85,500	6000
1500	BT-56	MV1500/HBU/E	6	65.00	132,500	1500
1500	BT-56	MV1500/HBD/E	6	65.00	132,500	1500

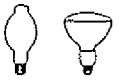
GE MERCURY LAMPS

Mogul Base — Rated Life — 24,000 Hours

Watts	Bulb	Lamp Ordering Code	U.S.A.S.I. Code	Std. Pkg. Qty.	List Price	Approx. Initial Lumens
100	E-23½	*H100A38-4	H38-4HT	24	$10.10	3,850
100	E-23½	*H100C38-4	H38-4JA/C	24	11.20	3,750
100	E-23½	*H100W38-4	H38-4JA/W	24	11.20	4,050
175	E-28	*H175A39-22	H39-22KB	12	8.00	7,450
175	E-28	*H175C39-22	H39-22KC/C	12	9.00	7,250
175	E-28	*H175W39-22	H39-22KC/W	12	9.70	8,200
250	E-28	*H250A37-5	H37-5KB	12	13.70	11,200
250	E-28	*H250C37-5	H37-5KC/C	12	15.05	10,700
250	E-28	*H250W37-5	H37-5KC/W	12	14.65	12,100
400	E-37	*H400A33-1	H33-1CD	6	10.50	21,000
400	E-37	*H400C33-1	H33-1GL/C	6	12.15	20,500
400	E-37	*H400W33-1	H33-1GL/W	6	12.60	22,400
1000	BT-56	*H1000A36-15	H36-15GV	6	21.05	57,000
1000	BT-56	*H1000C36-15	H36-15GW/C	6	23.80	55,000
1000	BT-56	*H1000W36-15	H36-15GW/W	6	27.40	64,000

Note: In Ordering Code A denotes clear, C color-improved and W white lamps.

GE DELUXE WHITE MERCURY LAMPS



Rated Life — 24,000 + Hours

Watts	Bulb	Base	Lamp Ordering Code	U.S.A.S.I. Code	List Price	Initial Lumens
50	E-17	Med.	*H50DX46	H46DL/DX	$11.00	1,57
75	E-21	Med.	*H75DX43	H43AV/DX	11.00	2,80
100	A-23	Med.	*H100DX38-4/A23	H38-4MP/DX	13.30	4,00
100	E-23½	Mog.	*H100DX38-4	H38-4JA-/DX	11.00	4,20
175	E-28	Mog.	*H175DX39-22	H39-22KC-/DX	8.85	8,15
175	R-40	Med.	*H175RDXFL-39-22	H39-22BP/DX	14.55	5,70
250	E-28	Mog.	*H250DX37-5	H37-5KC-/DX	14.95	12,10
400	E-37	Mog.	*H400DX33-1	H33-1GL-/DX	12.00	22,500
400	R-52	Mog.	*H400RDX33-1	H33-1DN/DX	19.90	22,000
700	BT-46	Mog.	*H700DX35-18	H35-18ND/DX	26.60	42,000
1000	3T-56	Mog.	*H1000DX34-12†	H34-12GW-/DX	31.00	62,000
1000	BT-56	Mog.	*H1000DX36-15	H36-15GW-/DX	23.65	63,000
1000	R-80	Mog.	*H1000RDXFL-36-15	.....	65.00	48,000
1000	R-80	Mog.	*H1000RSDX-36-15	.....	65.00	43,000

*Special heat-resisting glass bulb. †Rated life 16,000 + Hours.

GE LUCALOX LAMPS

Mogul Base — Rated Life — 10,000 Hours for 250 Watt, 15,000 Hours for 400 Watt.

Watts	Bulb	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Approx. Initial Lumens
250	E-18	LU250/BU	12	$53.00	25,500
250	E-18	LU250/BD	12	53.00	25,500
400	E-18	LU400/BU	12	55.00	47,000
400	E-18	LU400/BD	12	55.00	47,000



GENERAL LINE FLUORESCENT LAMPS

Medium Bipin Bases

Watts	Lgth. (In.)	Bulb Size	Diam. (In.)	Lamp Ordering Abbreviation	Std. Pkg. Qty.	List Price
14	15	T-12	1½	F14T12/CW	24	$1.25
15	18	T-8	1	F15T8/CW	24	1.25
15	18	T-12	1½	F15T12/CW	24	1.25
20	24	T-12	1½	F20T12/CW	24	1.15
25	28	T-12	1½	F25T12/CW/28	24	2.30
25	33	T-12	1½	F25T12/CW/33	24	2.40
30	36	T-8	1	F30T8/CW	24	1.45
40	48	T-12	1½	F40T12/CW/IS*	24	2.35

*For instant start service. No starters required.

APPLIANCE LAMPS

19	24	T-8	1	F24"T8/CW/4	24	$2.50
19	26	T-8	1	F26"T8/CW/4	24	2.50
19	28	T-8	1	F28"T8/CW/4	24	2.50
19	30	T-8	1	F30"T8/CW/4	24	2.50
21	30	T-12	1½	F30"T12/CW	24	2.25
30	34	T-8	1	F34"T8/CW/4	24	2.50



MOGUL BIPIN BASES

Watts	Lgth. (In.)	Bulb Size	Diam. (In.)	Lamp Ordering Abbreviation	Std. Pkg. Qty.	List Price
40	60	T-17	2⅛	F40T17/CW/IS*	12	$4.35
90	60	T-17	2⅛	F90T17/CW	12	2.75

*For instant start service. No starters required.

MINIATURE BIPIN BASES

4	6	T-5	⅝	F4T5/CW	24	$1.65
6	9	T-5	⅝	F6T5/CW	24	1.65
8	12	T-5	⅝	F8T5/CW	24	1.65
13	21	T-5	⅝	F13T5/CW	24	1.95

GENERAL ELECTRIC LAMPS



HIGH OUTPUT FLUORESCENT LAMPS

Watts	Lgth. (In.)	Bulb Size	Diam. (In.)	Lamp Ordering Abbreviation	Std. Pkg. Qty.	List Price
			Recessed Double Contact Base			
35	24	T-12	1½	F24T12/CW/HO	24	$2.75
50	36	T-12	1½	F36T12/CW/HO	24	2.95
60	48	T-12	1½	F48T12/CW/HO	24	2.35
75	60	T-12	1½	F60T12/CW/HO	24	2.90
80	64	T-12	1½	F64T12/CW/HO	24	2.90
85	72	T-12	1½	F72T12/CW/HO	12	2.70
100	84	T-12	1½	F84T12/CW/HO	12	2.90
110	96	T-12	1½	F96T12/CW/HO	12	2.60
			Mogul Bipin Base			
100	72	T-12	1½	F100T12/CW/HO	12	4.75

GE CIRCLINE FLUORESCENT LAMPS

22	8¼	T-9	1⅛	FC8T9/CW	12	**$3.49**
32	12	T-10	1¼	FC12T10/CW	12	**3.69**
40	16	T-10	1¼	FC16T10/CW	12	**4.49**

SLIMLINE FLUORESCENT LAMPS

Instant Start — No Starters Used — Single Pin Base

Watts	Lgth. (In.)	Bulb Size	Diam. (In.)	Lamp Ordering Abbreviation	Std. Pkg. Qty.	List Price
20	24	T-12	1½	F24T12/CW	24	$2.50
30	36	T-12	1½	F36T12/CW	24	2.70
25	42	T-6	⅞	F42T6/CW	24	3.15
40	48	T-12	1	F48T12/CW	24	1.65
40	64	T-6	⅞	F64T6/CW	24	3.25
50	64	T-12	1½	F64T12/CW	24	3.90
35	72	T-8	1	F72T8/CW	24	3.40
55	72	T-12	1½	F72T12/CW	12	2.05
50	96	T-8	1	F96T8/CW	24	3.45
75	96	T-12	1½	F96T12/CW	12	2.15

ALL-WEATHER® FLUORESCENT LAMPS

Watts	Lgth. (In.)	Bulb Size	Diam. (In.)	Lamp Ordering Abbreviation	Std. Pkg. Qty.	List Price
105	48	T-10	1¼	F48T10/CW	24	**$3.95**
105	48	T-10	1¼	F48T10J/CW*	12	**6.95**
150	72	T-10	1¼	F72T10/CW	12	**4.95**
150	72	T-10	1¼	F72T10J/CW*	8	**7.95**
205	96	T-10	1¼	F96T10/CW	12	**4.95**
205	96	T-10	1¼	F96T10J/CW*	8	**7.95**

*Has 1¾" diam. jacket.

1500ma FLUORESCENT LAMPS

110	48	T-12	1½	F48T12/CW/1500	24	$3.75
165	72	T-12	1½	F72T12/CW/1500	12	4.50
215	96	T-12	1½	F96T12/CW/1500	12	4.75

POWER GROOVE FLUORESCENT LAMPS

Recessed Double Contact Base

110	48	PG-17	2⅛	F48PG17/CW	12	**$4.75**
165	72	PG-17	2⅛	F72PG17/CW	8	**5.35**
215	96	PG-17	2⅛	F96PG17/CW	8	5.20

®Trademark of General Electric Co.

MAINLIGHTER® LAMPS*

Pre-Heat — Rapid Start, Medium Bipin Base

Life rating at 3 hours per start: 15,000 hours for Rapid Start; 12,000 hours for Pre-heat operation.

Watts	Lgth. (In.)	Bulb	Diam. (In.)	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Initial Lumens
40	48	T-12	1½	F40CW	24	$1.05	3150
40	48	T-12	1½	F40CWX	24	1.25	2200
40	48	T-12	1½	F40WWX	24	1.25	2150
40	48	T-12	1½	F40WW	24	1.20	3200
40	48	T-12	1½	F40D	24	1.20	2600
40	48	T-12	1½	F40W	24	1.20	3200
30	36	T-12	1½	F30T12/CW/RS	24	1.90	2340
30	36	T-12	1½	F30T12/WW/RS	24	2.00	2360
30	36	T-12	1½	F30T12/D/RS	24	2.00	1950
30	36	T-12	1½	F30T12/W/RS	24	2.00	2360

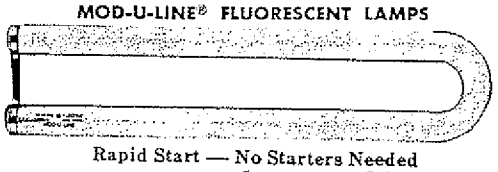
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC LAMPS

STAYBRIGHT® LAMPS*

Watts	Lgth. (In.)	Bulb	Diam. (In.)	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Initial Lumens
			Pre-Heat — Rapid Start, Medium Bipin Base				
40	48	T-12	1½	F40CW/S	24	$1.29	3200
40	48	T-12	1½	F40WW/S	24	1.45	3250
40	48	T-12	1½	F40D/S	24	1.45	2650
40	48	T-12	1½	F40W/S	24	1.45	3250

MOD-U-LINE® FLUORESCENT LAMPS

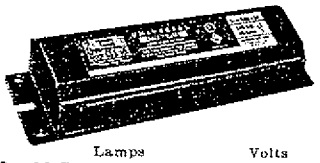


Rapid Start — No Starters Needed

Watts	Lgth. In.	Bulb	Diam. In.	Lamp Ordering Code	Std. Pkg. Qty.	List Price	Initial Lumens
40	22½*	T-12	1½	F40CW/U	6	$3.35	2800
40	22½	T-12	1½	F40WW/U	6	3.45	2800

*U-shaped lamp with 3⅝" center to center leg spacing.

UNIVERSAL FLUORESCENT BALLASTS



Cat. No.	Lamps	Volts	Each Less Pkg.	Each Std. Pkg.
		Rapid Start — High Power Factor		
412-L*	1-40W	120	$6.94	$5.69
446-L*	2-40W	120	6.94	5.69
		800ma — Rapid Start — High Power Factor		
480-X-LH*	2-72, 84 or 96T12/HO	120	21.77	17.85
		1500ma — Rapid Start — High Power Factor		
930-K*	2-72 or 96T12	120	39.76	32.60
		Slimline — Instant Start — High Power Factor		
213*	2-24, 36, 42, 48T12 or 40W	120	11.82	9.69
820	2-72, 84 or 96T12	120	9.08	7.45
806-BR*	2-72, 84 or 96T12	120	11.56	9.48
		Preheat Start — Normal Power Factor		
200	1-14, 15 or 20W	118	1.08	.89
202-B	1-30 or 40W	118	2.62	2.15
		Preheat Start — High Power Factor		
203 *CBM rated	2-40W	118	6.00	4.92

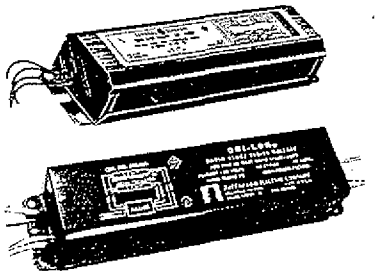
ADVANCE FLUORESCENT BALLASTS



Cat. No.	Lamps	Volts	Each Less Pkg.	Each Std. Pkg.
		Rapid Start — High Power Factor		
HM-1P30	1-F30T12	120	$11.63	$9.54
VM-1P30	1-F30T12	277	12.08	9.91
HM-140	1-F40T12	120	6.94	5.69
VS-140	1-F40T12	277	7.22	5.92
RQM-2S40	2-F40T12	120	6.94	5.69
VQM-2S40	2-F40T12	277	7.22	5.92
		High Output — Rapid Start — High Power Factor		
RS-110	1-F96T12 or F72	120	$21.92	$17.97
VS-110	1-F96T12 or F72	277	22.46	18.42
RS-2S110	2-F96T12 or F72	120	21.77	17.85
VS-2S110	2-F96T12 or F72	277	22.31	18.29
		1500ma — Rapid Start — High Power Factor		
RS-2S200	2-F96 or F72 VHO, SHO, PG	120	$39.76	$32.60
VS-2S200	2-F96 or F72 VHO, SHO, PG	277	40.51	33.22
		Slimline — Instant Start — High Power Factor		
RSM-175-S	1-F96T12 or F72	120	$11.72	$ 9.61
VSM-175-S	1-F96T12 or F72	277	12.27	10.06
SM-2E75-S	2-F96T12 or F72	120	11.55	9.47
VSM-2E75-S	2-F96T12 or F72	277	11.98	9.82

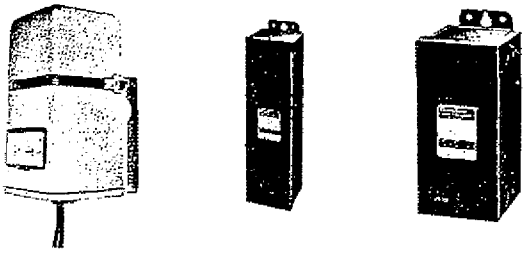
BALLASTS* FOR FLUORESCENT LAMPS

60 CYCLE



GE Cat. No.	Jefferson Cat. No.	Lamp	Volts	Std. Pkg.	Each
		With Thermal Protective Device and Capacitor "Class P"			
		Slimline			
8G1011	300-2791-800	2-F96T12 or F72T12	120	6	$18.32
8G1600	300-1151-800	2-F48T12	120	6	12.62
8G1490	300-411-800	2-F96T12 or F72T12	120	4	21.95
8G1015	300-2798-800	2-F96T12 or F72T12	277	6	12.74
8G1762	300-1281-800	1-F96T12 or F72T12	120	6	12.32
8G3594	.....	2-F96T8 (200 ma)	120	6	26.60
8G1628	.....	2-F48T12	120	6	16.47
		Rapid Start			
8G1020	300-701-800	2-F40T12	120	10	7.71
8G1030	300-708-800	2-F40T12	277	10	7.97
8G1060	300-951-800	1-F40 or F30T12/RS	120	10	7.71
8G1075	.....	1-F40 or F30T12/RS	120	10	4.54
		Preheat			
8G1000	.....	2-F40 or F40/54	120	10	10.07
8G1562	.....	2-F90T17	120	4	26.11
8G3706	.....	1-F40 or F30T8	120	20	3.39
		PG, VHO, SHO			
8G1201	300-1611-800	2-F96 or F72	120	4	40.61
8G1211	300-1618-800	2-F96 or F72	277	4	41.24
		High Output			
8G1141	300-721-800	2-F96T12/HO or F72T12/HO	120	4	22.48
8G1151	300-728-800	2-F96T12/HO or F72T12/HO	277	4	23.01
		With Non-Resetting Thermal Device and Capacitor			
		Slimline			
7G1011	300-2791-700	2-F96T12 or F72T12	120	6	11.81
7G1600	300-1151-700	2-F48T12	120	6	12.11
7G1490	300-411-700	2-F96T12 or F72T12	120	4	21.44
7G1015	300-2798-700	2-F96T12 or F72T12	277	6	12.23
7G1762	300-1281-700	1-F96T12 or F72T12	120	6	11.81
7G1628	300-1321-700	2-F48T12	120	4	15.96
		Rapid Start			
7G1020A	300-701-700	2-F40T12	120	10	7.20
7G1030A	300-708-700	2-F40T12	277	10	7.46
7G1061	300-951-700	1-F40 or F30T12/RS	120	10	7.20
		Preheat			
7G1000	.....	2-F40 or F40/54	120	10	9.56
7G1562	.....	2-F90T17	120	4	25.60
		PG, VHO, SHO			
7G1201A	300-1611-700	2-F96 or F72	120	4	40.10
7G1211	300-1618-700	2-F96 or F72	277	4	40.73
		High Output			
7G1141	300-7721-700	2-F96T12/HO or F72T12/HO	120	4	21.97
7G1151	300-7728-700	2-F96T12/HO or F72T12/HO	277	4	22.50
		Quick-Change Kit			
7G1020-G10	300-241	2-F40T12	120	6	9.81
		With Automatic-Resetting Thermal Device and Capacitor			
		Slimline			
.....	300-2791-800	2-F96T12 or F72T12	120	6	12.53
.....	300-1151-800	2-F48T12	120	6	12.82
.....	300-411-800	2-F96T12 or F72T12	120	4	22.08
.....	300-2798-800	2-F96T12 or F72T12	277	6	12.93
.....	300-1281-800	1-F96T12 or F72T12	120	6	12.53
.....	300-1321-600	2-F48T12	120	4	16.69
		Rapid Start			
.....	300-701-800	2-F40T12	120	10	7.90
.....	300-708-800	2-F40T12	277	10	8.14
.....	300-951-800	1-F40 or F30T12/RS	120	10	7.90
		Preheat			
.....	302-881-600	2-F40 or F40/54	120	10	10.27
.....	234-983-600	3-F40 or F40/54	120	4	20.25
		PG, VHO, SHO			
.....	300-1611-800	2-F96 or F72	120	4	40.88
.....	300-1618-800	2-F96 or F72	277	4	41.44
		High Output			
.....	300-721-800	2-F96T12/HO or F72T12/HO	120	4	22.70
.....	300-728-800	2-F96T12/HO or F72T12/HO	277	4	23.18

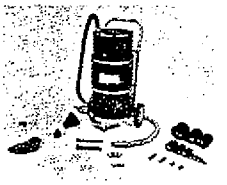
MERCURY VAPOR LAMP BALLASTS



Jefferson Cat. No.	GE Cat. No.	Lamp	Primary Volts	Mount'g	Each
		Outdoor Use — Conventional — High Power Factor			
232-1331	.....	1-400W	105/115/125	Univ.	$ 52.55
232-1333	.....	1-400W	240	Univ.	46.25
232-1336	.....	1-400W	277	Univ.	48.20
232-1338	.....	1-400W	420/460/500	Univ.	52.55
232-2331	.....	2-400W	105/115/125	Univ.	91.70
232-2333	.....	2-400W	240	Univ.	80.20
232-2336	.....	2-400W	277	Univ.	83.55
232-2338	.....	2-400W	420/460/500	Univ.	91.70
232-1366	.....	1-700W	120/240/277	Univ.	105.30
232-1368	.....	1-700W	480	Univ.	119.00
232-1366	.....	1-1000W	120/240/277	Univ.	105.30
232-1368	.....	1-1000W	480	Univ.	119.00
		Outdoor Use — High Power Factor			
336-1331	.....	1-400W	108-132	Univ.	50.80
336-1336	.....	1-400W	216-264/250-305	Univ.	50.80
336-1338	.....	1-400W	432-528	Univ.	50.80
336-1351	.....	1-700W	108-132	Univ.	88.70
336-1356	.....	1-700W	216-264/250-305	Univ.	88.70
336-1358	.....	1-700W	432-528	Univ.	88.70
336-1361	.....	1-1000W	108-132x216-264	Univ.	97.90
336-1366	.....	1-1000W	216-264/250-305	Univ.	97.90
336-1368	.....	1-1000W	432-528	Univ.	97.90
		Outdoor Use — Constant Wattage — High Power Factor			
236-1331	C304G101	1-400W	105-135x209-271	Univ.	64.40
236-1334	C304G107	1-400W	180-235	Univ.	64.40
236-1336	C304G103	1-400W	240-315	Univ.	64.40
236-1338	C304G103	1-400W	209-271x418-542	Univ.	64.40
236-2331	C306G101	2-400W	105-135x209-271	Univ.	111.65
236-2334	C306G107	2-400W	180-235	Univ.	111.65
236-2336	C306G103	2-400W	240-315	Univ.	111.65
236-2338	C306G103	2-400W	209-271x418-542	Univ.	111.65
236-1351	C305G101	1-700W	105-135x209-271	Univ.	110.90
236-1354	C305G107	1-700W	180-235	Univ.	110.90
236-1356	C305G103	1-700W	240-315	Univ.	110.90
236-1358	C305G103	1-700W	209-271x418-542	Univ.	110.90
236-1361	C307G101	1-1000W	105-135x209-271	Univ.	126.25
236-1364	C307G107	1-1000W	180-235	Univ.	126.25
236-1366	C307G103	1-1000W	240-315	Univ.	126.25
236-1368	C307G103	1-1000W	209-271x418-542	Univ.	126.25
		Indoor Use — Conventional — High Power Factor			
233-1331	9T64Y6G2 110 / 120	1-400W	105/115/125	Wall	34.65
233-1336	9T64Y5 230/ 265	1-400W	200/240/265/ 277	Wall	34.65
233-1338	9T64Y9G2 440/ 480	1-400W	420/460/500	Wall	34.65
233-3331	9T64Y34G5 110/ 120	2-400W	105/115/125	Wall	69.75
233-3333	9T64Y26 240	2-400W	230	Wall	51.95
233-3334	9T64Y61	2-400W	188/208/230	Wall	69.75
233-3336	9T64Y25G2 440/ 480	2-400W	277	Wall	51.95
233-3338	9T64W35G2	2-400W	420/460/500	Wall	69.75
233-1366	.....	1-700W	120/240/277	Wall	83.05
233-1368	9T64Y33	1-700W	480	Wall	42.70
233-1366	.....	1-1000W	120/240/277	Wall	83.05
233-1368	9T64Y28G2	1-1000W	480	Wall	42.70
		Indoor Use — High Power Factor			
337-1331	9T64Y206	1-400W	108-132	Wall	36.90
337-1336	9T64Y208	1-400W	216-264/250-305	Wall	36.90
337-1338	9T64Y209	1-400W	432-528	Wall	36.90
337-1351	.....	1-700W	108-132	Wall	61.95
337-1356	.....	1-700W	216-264/250-305	Wall	61.95
337-1358	.....	1-700W	432-528	Wall	61.95
337-1361	9T64Y210	1-1000W	108-132	Wall	66.05
337-1366	9T64Y212	1-1000W	216-264/250-305	Wall	66.05
337-1368	9T64Y213	1-1000W	432-528	Wall	66.05
		Indoor Use — Constant Wattage — High Power Factor			
237-1331	9T64Y133G5	1-400W	100-130x200-260	Wall	53.65
237-1334	.....	1-400W	180-234	Wall	53.65
237-1336	9T64Y110G5	1-400W	240-315	Wall	53.65
237-1338	9T64Y110G5	1-400W	400-520	Wall	53.65
237-2331	9T64Y132G5	2-400W	100-130x200-260	Wall	96.95
237-2334	9T64Y116G5	2-400W	180-235	Wall	96.95
237-2336	9T64Y116G5	2-400W	240-315	Wall	96.95
237-2338	9T64Y116G5	2-400W	400-520	Wall	96.95
237-1351	.....	1-700W	100-130x200-260	Wall	73.05
237-1354	.....	1-700W	180-235	Wall	73.05
237-1356	.....	1-700W	240-315	Wall	73.05
237-1358	.....	1-700W	400-520	Wall	73.05
237-1361	9T64Y118G5	1-1000W	100-130x200-260	Wall	80.05
237-1364	9T64Y119G5	1-1000W	180-235	Wall	80.05
237-1366	9T64Y119G5	1-1000W	240-315	Wall	80.05
237-1368	9T64Y119G5	1-1000W	400-520	Wall	80.05

JET LINE PRODUCTS

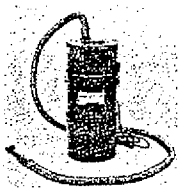
BLO-VAC SYSTEMS AIR MASTER DELUXE



Vacuum/Blower conduit fishing system with cart and accessories for fishing 1/2" — 5" conduit. Water capacity of 4 gallons with automatic cut-off device. Capacity can be increased to 9 1/2 gallons. 17 lb. power unit can be removed. 27" high with a 42" circumference. Weight 37 lbs. without cart. 115 volt AC or DC, 12 amp. Motor develops 17,500 R.P.M. Comes equipped with the new Dial-a-line seal-off.

Cat. No.	Description	Std. Pkg.	Each
BV-200C	Air Master Deluxe	1	$295.65

AIR MASTER



Portable vacuum/blower power conduit fishing system capable of fishing conduit thru 5". Designed for one-man operation, weight 35 lbs., 26 1/2" x 11 3/4", and can be used for wet or dry pick-up. Recovery capacity of 2 1/2 gallons with an automatic cut-off device. Equipped with a powerful 115 volt AC or DC, 12 amp. motor that develops 17,500 R.P.M.'s. Comes equipped with the new Dial-a-line Seal-off. Components and accessories available.

Cat. No.	Description	Std. Pkg.	Each
BV-130	Air Master	1	$203.45

AIR LINER



The Air Liner Kit is a completely portable system for fishing up to 2 1/2" conduit. It weighs only 8 pounds and has a high speed Universal 115 AC motor. The high density polyethylene housing is virtually indestructable, won't dent or rust. The kit comes with a new Dial-a-line Seal-off, Power Saver line packages, Tag-along line packages, foam line carriers and pull line.

Cat. No.	Description	Std. Pkg.	Each
B-45	Air Liner Kit	1	$124.95

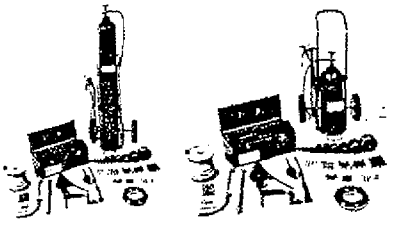
CONVERSION KIT FOR BLO-VAC SYSTEMS



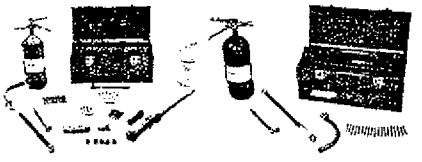
Converts any vacuum system to faster fishing, allows blowing as well as vacuuming in conduit sizes 1/2" to 5". The kit comes complete with foam line carriers, Power Saver line packages, Tag-along packages, pull line and spray lubricant. The Dial-a-line Seal-off enables fishing with True Tape which is also included in the kit. Typical systems easily converted with this kit are Greenley or Black & Decker.

Cat. No.	Description	Std. Pkg.	Each
BV-1110	Conversion Kit	1	$82.55

CO_2 SYSTEMS



No. JO2-50 No. JO2-20



No. JO2-5 QL-1107

Jet Line CO-2 Kits deposit line in any size conduit in seconds. This powerful method of fishing conduit can save as much as 70% of wire pulling costs. Various CO-2 systems are available.

JO2-50

The 50 lb. cylinder kit contains all accessories necessary for fishing thru 5" conduit. This includes Power Saver line packages, Tag-along line packages, foam line carriers, and 4500' of pull line. Additional accessories allow fishing up to 6". The system also contains 50' Rigid Rope, 500' poly rope and a Line Launcher plus the 50 lb. cylinder. It is easily refilled.

JO2-20

The 20 lb. CO-2 cylinder kit is a complete conduit fishing kit with 20 lb. CO-2 cylinder in a light weight portable cart. Tool chest contains all accessories needed for fishing thru 5" conduit. Accessories are also available for fishing conduit up to 6". System is compact and easily carried anywhere on site.

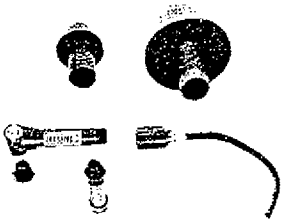
JO2-5

The 5 lb. CO-2 cylinder kit includes the 5 lb. CO-2 cylinder and Dial-a-line Seal-off for 1/2" to 1 1/4" fishing. Kit includes Power Saver line packages, foam line carriers, 1000' pull line, refill adaptor, and complete Line Launcher.

QL-1107

Enables pulling line through underfloor duct or over suspended ceilings quickly and easily. The QL-1107 kit comes equipped with a 5 lb. cylinder, the launcher apparatus, and 20 line packages. All elements store easily in a light weight tool case.

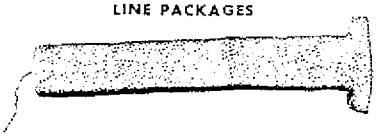
Cat. No.	Description	Std. Pkg.	Each
JO2-50	50 Lb. Cylinder Kit	1	$305.00
JO2-20	20 Lb. Cylinder Kit	1	276.65
JO2-5	5 Lb. Cylinder Kit	1	107.55
QL-1107	Line Launcher	1	91.25



This kit allows you to blow pull line or True Tape, in addition to line packages. Simply dial the aperture you require, assemble fishing elements and you're set. You can dial a line in up to 1 1/4" conduit. Also included are seal-offs to enable fishing up to 5".

Cat. No.	Description	Std. Pkg.	Each
JO2-K	Conversion Kit	1	$104.45

LINE PACKAGES



Power Saver Line Packages are for conduit 1/2", 3/4" and 1". Foam disc on end of each package seals around package to save CO-2. Low friction, minimum drag, allows longest possible shots even in vertical runs. Assorted lengths, 75' — 450', color coded for size and identification.

Cat. No.	Description	Std. Pkg.	Each
2-75	1/2" Line Pkg. 75' Long	50	$0.30
2-150	1/2" Line Pkg. 150' Long	50	.36
3-75	3/4" Line Pkg. 75' Long	50	.30
3-200	3/4" Line Pkg. 200' Long	50	.38
3-300	3/4" Line Pkg. 300' Long	50	.44
3-450	3/4" Line Pkg. 450' Long	50	.47
4-75	1" Line Pkg. 75' Long	50	.30
4-200	1" Line Pkg. 200' Long	50	.38
4-300	1" Line Pkg. 300' Long	50	.44
4-450	1" Line Pkg. 450' Long	50	.47

Tag-along Line Packages designed for large conduit are also available. Color coded blue, these packages are for use in 1 1/4" thru 5" conduit.

2206T	Tag Along 400'	10	.59
2208T	Tag Along 600'	10	.88
2207T	Tag Along 800'	10	1.18
1704T	Tag Along 1200'	10	1.89
1705T	Tag Along 600' Tensile 45#	10	1.89

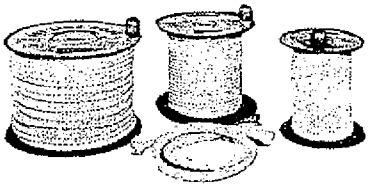
WIRE LUBRICANT



Laboratory tested for use on rubber, lead, or plastic insulated wire, with aluminum or steel conduits. Pressurized cans allow lubricant to be squirted directly into conduit. U.L. approved.

Cat. No.	Description	Std. Pkg.	Each
WP-16	16 oz. Wire Lube (Aerosol)	12	$ 2.06
WP-65	Qt. Can Wire Pulling Lube	12	1.28
WP-66	Gal. Can Wire Lube	4	3.06
WP-67	5 Gal. Pail Wire Lube	1	12.61
WP-68	55 Gal. Drum Wire Lube	1	134.43

POLY ROPE



Safe, strong, poly rope handles easily without kinking. Available in 250' — 5,000' lengths. Strength ranges from 200 pounds to 8,000 pounds. Twisted construction reduces friction and adds strength. All diameter and lengths spool mounted. Safe in even hot areas.

Cat. No.	Description	Std. Pkg.	Each
316	250' 3/16" Poly Rope	1	$10.00
316-5	500' 3/16" Poly Rope	1	20.00
316-10	1000' 3/16" Poly Rope	1	40.00
332-10	1000' 3/32" Poly Rope	1	11.05
532-6	600' 5/32" Poly Rope	1	19.39
532-10	1000' 5/32" Poly Rope	1	32.72
611	250' 1/4" Poly Rope	1	14.39
611-6	600' 1/4" Poly Rope	1	33.83
611-10	1000' 1/4" Poly Rope	1	56.05
712	250' 1/2" Poly Rope	1	59.94
712-6	600' 1/2" Poly Rope	1	141.60
716	250' 5/16" Poly Rope	1	22.16
716-6	600' 5/16" Poly Rope	1	53.27
734-6	600' 3/4" Poly Rope	1	283.31
734-10	1000' 3/4" Poly Rope	1	469.95
738	250' 3/8" Poly Rope	1	33.27
738-6	600' 3/8" Poly Rope	1	76.05
738-10	1000' 3/8" Poly Rope	1	124.93
758	250' 5/8" Poly Rope	1	88.82
758-10	1000' 5/8" Poly Rope	1	355.46

JET LINE® PRODUCTS

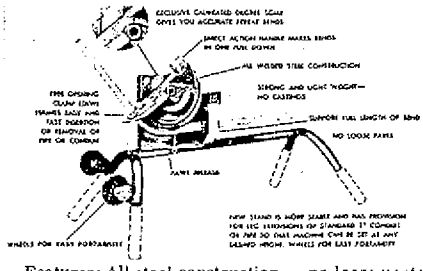
RIGID ROPE



Replaces metal fish tape. Non-conductive polyethylene makes hand fishing of conduit easier and safer. Rope won't cut or mar surface of any conduit. Easy on hands and light weight.

Cat. No.	Description	Std. Pkg.	Each
RR-3	Rigid Rope — 25'	6	$ 4.39
RR-4	Rigid Rope — 50'	6	8.82
RR-5	Rigid Rope — 100'	6	13.83
RR-4-R	Rigid Rope — 50' on Plastic Reel	6	10.54

LIDSEEN "CHICAGO" BENDERS

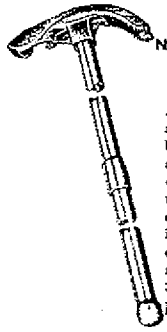


Features: All steel construction — no loose parts —really portable — simple to use — no maintenance — faster than hydraulic — bends 180°.

Complete Unit

Cat. No.	Size In.	With Stand — Wt. Lbs.	With Stand — Each	W/o Stand — Wt. Lbs.	W/o Stand — Each
	For Rigid Conduit or Pipe				
5100	½, ¾, 1	54	$152.00	37	$124.00
5200	1¼, 1½	80	204.00	60	176.00
	For Thinwall Conduit — EMT				
5300	½, ¾, 1	52	$162.00	35	$134.00
5400	1¼, 1½	83	214.00	63	186.00

WIREMOLD BENDER AND ADAPTER



NO. 600B WIREMOLD BENFIELD BENDER

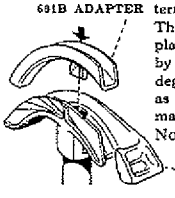
An efficient tool for making smooth and accurate internal and external bends and offsets in Wiremold 500 and 700 raceways. Complete and easy instructions are included for making simple work out of the most difficult bending problems. Handle is furnished in 2-18" lengths with coupling so the tool may be dismantled for storage. Length overall 37½".

No. 600B .....each $7.70



NO. 601B ADAPTER

601B ADAPTER



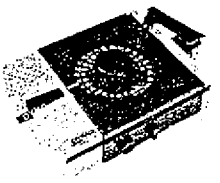
600B BENDER

Broadens versatility of the 600B Bender to include internal and external bending of Wiremold 200. The adapter is simply pressed into place in the bender head, and held by a spring steel clip. The bender degree scale for 500 raceway is used as described in the 600B instruction manual.

No. 601B .....each $2.51

DYMO TAPEWRITERS®

MODEL 2300



For ¾" Vinyl Tape

Embosses letters a full ½" high on colorful ¾" vinyl tape. Prints 104 characters all with the same wheel (52 horizontally and 52 vertically). Brushed aluminum body. 7" high, 12½" wide, 10" deep. This bench model has executive spacing. Complete with one magazine of tape.

No. 2300-00 Tapewriter .....each $124.95

No. 2300-01 Tool 'N Tape Kit consisting of one 2300-00 Tapewriter, 9 magazines of No. 5134 tape (¾" in assorted colors) and a carrying case. each 179.95

DYMO TAPEWRITER TAPES

½" Economy Length Tape

5163-1 Clear	5163-6 Blue	5163-12 Grey
5163-2 Red	5163-7 Yellow	5163-13 Gold
5163-4 Orange	5163-8 Brown	5163-15 Purple
5165-3 Green	5163-9 Black	5163-60 Woodgrain

No. 5163 200" x ½" Guide-Pak .....each $1.95

⅜" Economy Length Tape

5209-1 Clear	5209-6 Blue	5209-12 Grey
5209-2 Red	5209-7 Yellow	5209-13 Gold
5209-4 Orange	5209-8 Brown	5209-15 Purple
5209-5 Green	5209-9 Black	5209-60 Woodgrain

No. 5209 200" x ⅜" Guide-Pak .....each $1.45

¾" Vinyl Tape

5134-2 Red	5134-6 Blue	5134-9 Black
5134-5 Green	5134-8 Brown	5134-60 Woodgrain

No. 5134 36'x¾" Regular Pack .....each $6.95

No. 5135-9 36'x¾" Non-Glossy Finished Black Tape .....each $6.95

½" Vinyl Tape

158-1 Clear	158-7 Yellow	158-15 Purple
158-2 Red	158-8 Brown	158-16 Copper
158-4 Orange	158-9 Black	158-22 Fl. Red
158-5 Green	158-12 Grey	158-25 Fl. Green
158-6 Blue	158-13 Gold	158-60 Woodgrain
	158-14 Silver	

No. 158 12'x½" Regular Pack .....each $1.65

No. 158-18 Assorted (one roll each of red, orange, green, blue, yellow, brown, grey, black, gold, purple .....per box $16.50

⅜" Glossy Vinyl Tape

5201-1 Clear	5201-6 Blue	5201-12 Grey
5201-2 Red	5201-7 Yellow	5201-13 Gold
5201-4 Orange	5201-8 Brown	5201-15 Purple
5201-5 Green	5201-9 Black	5201-60 Woodgrain

No. 5201 12'x⅜" Regular Pack .....each $1.25

¼" Glossy Vinyl Tape

5206-1 Clear	5206-6 Blue	5206-9 Black
5206-2 Red	5206-7 Yellow	5206-12 Grey
5206-4 Orange	5206-8 Brown	5206-13 Gold
5206-5 Green	5206-43 Avocado	5206-60 Woodgrain

No. 5206 12'x¼" Regular Pack .....each $1.00

½" Metal Tape Without Adhesive

Cat. No.	Size	Per Roll	Cat. No.	Size	Per Roll
	Aluminum			Monel	
310	16'x½"	$0.85	355	21'x½"	$2.75
	Stainless Steel			Zinc	
325	21'x½"	1.25	361	15'x½"	1.10
	Copper				
348	21'x½"	2.40			

¼" Metal Tape With Adhesive

	Copper			Aluminum	
313	12'x½"	$2.40	358	12'x½"	$1.85

DYMO TAPEWRITERS®

Model M-22/33



Heavy duty tools for making attractive, raised-letter labels on permanent self-sticking Dymo vinyl tapes.

Just dial embossing wheel and squeeze handle. Letters come up raised white against colored background.

Equipped with a quick change pin which allows for easy change of embossing wheels. Tool cuts a "pull tab" on the end of each label for easy removal of protective backing.

Aluminum alloy body. 10⅛ in. long, 3½ in. wide. Characters A to Z 0 to 9 / .

No. 1022 has a straight cut-off and No. 1033 has a round cut-off.

No. 1022 Tapewriter .....each $49.95

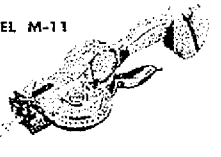
No. 1033 Tapewriter .....each 49.95

Model M-22/33 Tool N' Tape Kit — Consists of tapewriter with vertical wheel, one special character wheel, 5 rolls ½ in. vinyl tape (red, green, blue, brown and black) 5 rolls ½ in. striped vinyl tape (red, green, blue, brown and black) in handy carrying case. No. 7576 with square corner cut-off and No. 7577 with round corner cut-off.

No. 7576 Tool N' Tape Kit .....each $64.95

No. 7577 Tool N' Tape Kit .....each 64.95

MODEL M-11



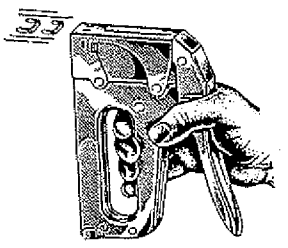
For ½" Metal or Vinyl Tape

Comes with hardened steel embossing wheel. Includes built-in ⅜" hole punching device. Embossing wheels easily changed. Aluminum alloy body. 10⅜" long, 3½" wide. Chrome finish. Complete with square cut-off and hole punch, one steel horizontal wheel and one plastic horizontal wheel.

No. 1011 Tapewriter .....each $54.95

No. 7593 Tool 'N Tape Kit consisting of M-11 Tapewriter, one steel vertical wheel, one plastic special character wheel, 5 rolls contrast aluminum tape (assorted colors) and 5 rolls vinyl tape (assorted colors) in carrying case.....each $69.95

ARROW STAPLE GUN TACKERS



Used extensively by professional building contractors and do-it-yourselfers for heavy duty jobs, such as installing ceiling tile, insulation, sheathing paper, wire fencing, etc.

All steel construction; chrome finish. Patented jam-proof mechanism with high carbon, hardened steel working parts.

Takes six staple sizes: ¼, ⅜, ½, ⅝, ¾ in. and Ceiltile staple—especially designed for ceiling tile.

Packed one in a box, weight, 2 pounds.

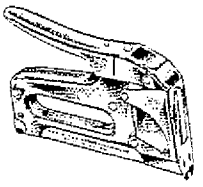
Cat. No. T-50 .....each $11.16

Rust Resistant Staples

Leg. In.	No. In box	Wt. box, lbs.	Per box
¼	*5000	1½	$2.75
⅜	*5000	1¾	3.00
½	*5000	2	3.25
⅝	*5000	2⅛	3.50
¾	*5000	2½	3.80
Ceiltile	*5000	2½	4.00

* Box of 5000 contains 5 packs of 1000 each. Also available in Pegboard Paks of 1250 staples each, 4 Paks per box, that can be hung on pegboard.

ARROW STAPLE GUNS



For Wire and Cable
U.L. Approved

Nos.	Description	Each
T-18	For Wire up to ⅜"	$14.40
T25	For Wire up to ¼" dia.	14.40
T75	For Wire up to ½" dia.	14.40
	Rust Resistant Staples	
T-18 ⅜	Box of 5000	$4.00
T50 ⅜	Box of 5000	3.25
T25 ⅜	Box of 5000	4.00
T25-7/16	Box of 5000	4.00
T25-9/16	Box of 5000	4.50
T75-9/16	Box of 1000	2.25
T75 ⅜	Box of 1000	2.25

APPLETON-BENFIELD BENDERS AND HICKEYS

HICKEYS FOR STEEL OR ALUMINUM RIGID CONDUIT



Appleton-Benfield Hickeys bend rigid conduit only. Will bend to any radius. Short radius for shallow slabs and confined areas, long radius to aid in wire pulling, and varied radii for peculiar contours. The HB-7 bends 90° angles in one sweep. Both feature an automatic plumb-bob degree of angle indicator.

Cat. No.	Cond. Size	Handle	Std. Pkg.	Wt. per 100	Each
HB-7	½" and ¾"	1"	10	420	$ 9.98
HB-8	1" and 1½"	1½"	2	1200	19.95



Figergrip Hickeys for Rigid Steel or Aluminum Conduit

An efficient, yet economical hickey for steel and aluminum rigid conduit. Available in two sizes to meet most application needs.

Cat. No.	Cond. Size	Handle	Std. Pkg.	Wt. per 100	Each
B-5075	½" and ¾"	1"	10	210	$ 5.60
B-100	1"	1"	10	550	15.75

APPLETON-BENFIELD BENDERS



"Powr-Jack"



Standard

Appleton-Benfield benders can be used for EMT rigid steel or aluminum conduit. They feature a solid non-skid hook, degree scale for fast precision offsets, outriggers to stabilize the bender, built-in back-pusher for minor degree adjustments, clear symbols and a five year guarantee. The standard model features one piece construction while the Powr-Jack model has a booster step that doubles the leverage ratio for larger size conduits.

Cat. No.	Rigid Size	EMT Size	Std. Pkg.	Wt. Per 100	Each
		Standard Model			
B-1	½"	....	10	230	$ 5.95
B-2	¾"	½"	10	360	8.97
B-3	1"	¾"	4	650	15.89
		Powr-Jack			
BJ-5	1"	¾"	4	715	18.93
BJ-6	1¼"	1"	1	1800	37.69

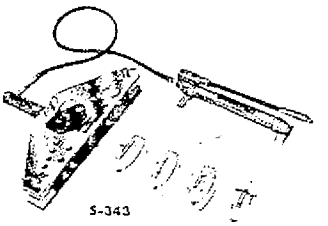


STUBBER HICKEYS FOR THINWALL CONDUIT

Cat. No.	Handle	Cond. Size	Std. Pkg.	Each
TWB-5075	½"	¾" IPS	10	$ 8.40
TWB-75100	¾"	1" IPS	10	10.50
TWB-100	1"	1" IPS	10	14.28
TWB-125	1¼"	1¼" IPS	1	20.16
TWB-150	1½"	1¼" IPS	1	32.20
TWB-200	2"	1½" IPS	1	42.00

ENERPAC®

ONE-SHOT BENDERS — ½" THROUGH 4"

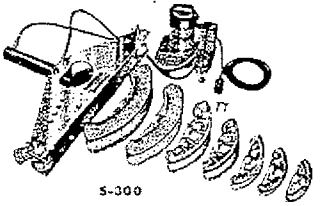


S-343

Cat. No.	Description	Each
S-320	Regular set. Bends ½"—2". With PE-231 electric pump	$ 721.00
S-335	Eject-O-Matic set. Bends 1¼"—3". With PE-641 electric pump	1118.00
S-343	Eject-O-Matic set. Bends 1¼"—4". With PE-641 electric pump	1494.00
S-316	Regular set. Bends ½"—2". With P-39 hand pump	319.00
S-317	Eject-O-Matic set. Bends 1"—2". With P-84 hand pump	426.00
S-333	Eject-O-Matic set. Bends 1¼"—3". With P-84 Hi-Speed hand pump	716.00
S-339	Eject-O-Matic set. Bends 1¼"—4". With P-84 hand pump	1102.00

SWEEP BENDERS

For Steel and Aluminum Rigid Conduit & Pipe
Sizes: 1" through 4"



S-300

Regular set. Bends 1¼"—4". With compact P-80 hand pump.

No. S-306 ..... each $536.00

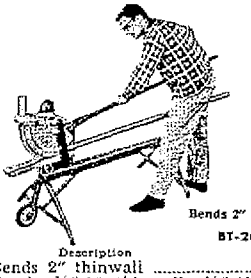
Regular set. Bends 1"–2". With compact P-39 hand pump.

No. S-300 ..... each $288.00

"MILWAUKEE BENDERS"

New Mechanical Ratchet-Type Benders

Bending Sizes: ½" through 2" E.M.T.; ½" through 1½" steel; ½" through 2" Aluminum Rigid, Conduit and Pipe; For any end up to 90°.

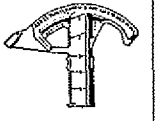


Bends 2" Thinwall!
BT-200

Cat. No.	Description	Each
BT-200	Bends 2" thinwall	$271.00
BR-300	Bends ½"-2" thinwall, ½"-1½" rigid steel, 2" aluminum	684.00

REPUBLIC BENDING TOOLS

ELECTRUNITE "INCH-MARKED"® BENDER



Will enable the electrician to use the ELECTRUNITE Bending System with "Inch-Marked" Republic ELECTRUNITE E.M.T. to best advantage. It is a one-piece casting with no moving parts to get out of order. It predetermines stubs, back-to-back, offset and saddle bends to exact dimensions. It produces any standard type or radius bend accurately and easily. Simple instructions and markings are cast into the bender — cannot be lost.

Cat. No.	Size Inches	Std. Pkg.	Wt. Lbs. Per 100	Each
1472	½	10	250	$ 3.64
1473	¾	10	420	5.09
1474	1	1	800	8.64

GREENLEE KNOCKOUT PUNCHES

KNOCKOUT PUNCH DRIVER



Driver develops 11 tons of ram force. For use with all Greenlee Knockout Punches ½–5".

Cat. No.	Description	Each
7646	Hand Pump, hose, ram in metal box, no punches	$124.00
7306	Hand Pump, hose, ram 6 punches ½–2" in metal box	150.00
7310	Hand Pump, hose, ram 10 punches ½–4" in metal box	265.00
7304	Four Knockout Punches 2½–4" in metal box	115.00

SPECIAL PURPOSE PUNCHES

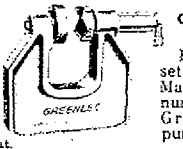


731-S



734

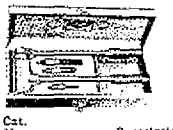
Cat. No.	Description	Each
734	1⅛ x 1⅜" Double "D" Punch for electrical receptacles	$29.80
730-T	3⅛" Round Panel Punch for reset timers	30.50
730-S	1⅛" Metal Punches for oiltight control units	5.75
731-M	2" Square Punch for Micro-Switch® manual control units. Must be used with a Greenlee No. 7646 Hydraulic Punch Driver	70.00
731-S	Makes perfect opening for 2½" and 4" square duct. For use with 7646 Knockout Punch driver only.	
	2⅝" complete	87.00
	4⅛" complete	155.00



ONE-SHOT KNOCKOUT PUNCH DRIVERS

Eliminate predrillings and set-up punching. 8" throat. Made of high-strength aluminum and steel. Operate with Greenlee hand or power pump.

Cat. No.	Description	Each
1731	Driver with dies and punches ½, ¾, 1" in metal box. Without pump	$110.00
1732	Driver without punches and pump. For punching holes ½–4"	208.00
1731-G2	No. 767 Hand Pump for use with No. 1731 Knockout Punch Driver	52.00
1732-G1	No. 755 Hand Pump for use with No. 1732 Knockout Punch Driver	92.00



RATCHET KNOCKOUT PUNCH DRIVER

Ten times faster than wrench operation. For use with Greenlee Knockout Punches ½–3".

Cat. No.	Description	Each
1804	Driver without punches in metal box	$63.50
1806	Driver with knockout punches ½–2" in metal box	89.50

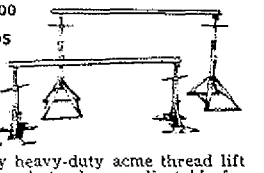
KNOCKOUT PUNCHES

Punches holes in metal up to 10 gauge.



Cat. No.	For Conduit Size	Each	Cat. No.	For Conduit Size	Each
735 Set	½, ¾, 1, 1¼"	$12.25	741	3½"	$46.25
737 Set	1½", 2"	13.50	742	4"	56.25
738	2½"	17.75	743	5"	87.50
739	3"	24.00			

REEL JACK STANDS



Reels are raised by heavy-duty acme thread lift screws. Telescoping reel stands are adjustable for height. One-man operation. Reels cannot creep on spindle.

Cat. No.	Description	Each
683	Screw-Type Telescoping Reel Stand. Capacity per reel stand 2500 lb. For 48 to 96" dia. reels (2 req.)	$99.00
684	76" Reel Stand Spindle, 2½" dia.	51.00
687	Screw-Type Telescoping Reel Stand. Capacity per reel stand 2500 lb. For 28 to 56" dia. reels (2 req.)	61.00
647	62" Reel Stand Spindle	40.00

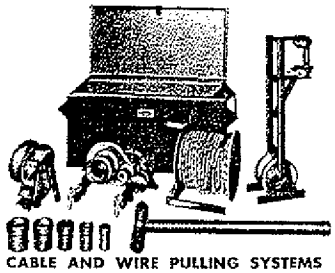
GREENLEE BENDERS, CABLE PULLING EQUIPMENT



FISH TAPE SYSTEM

Complete system handles conduit, pipe, and E.M.T. conduit ½–4"; 5 and 6" optional. Blows line or pulls it with vacuum, cleans conduit of debris. One-man operation. Weighs only 40 lbs. All components stored in vacuum tank. Uses inexpensive throwaway nylon line. Powerful, yet safe.

Cat. No.	Description	Each
690	Fish Tape System for ½–4" conduit	$270.00
618	Piston for 5" conduit	6.90
619	Piston for 6" conduit	12.70



CABLE AND WIRE PULLING SYSTEMS FOR EXPOSED CONDUIT

The Greenlee No. 670 Power Puller Package for pulling from exposed conduit consists of the following items:

No. 640 Cable Puller — weighs only 60 lbs. Heavy-duty electric motor. Two speeds: 15 and 30 ft. per min.

No. 649 Pipe Adapter Sheave allows you to pull cable beyond the end of conduit for "make up."

No. 680 Polypropylene Rope ¾" dia., 300 ft. lengths, nonconductor.

No. 644 Rope Reel Stand

No. 665 All-Welded Steel Box — 24 x 24 x 48", weathertight.

FOR CONCEALED CONDUIT AND EXPOSED CONDUIT

The Greenlee No. 686 Complete Power Puller Package for pulling from exposed or concealed conduit consists of all items listed above plus the No. 682 Extension Boom Kit and Flexible Adapters 2–4".

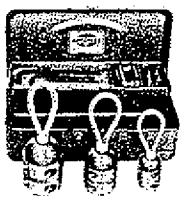
Cat. No.	Description	Each
670	Power Puller Package (for exposed conduit)	$ 894.00
686	Power Puller Package (for exposed and concealed conduit)	1039.00
682	Extension Boom Kit	150.00
640	Power Puller	550.00
649	Pipe Adapter Sheave	140.00
680	¾" Polypropylene Rope, 300 ft.	77.50
644	Rope Reel Stand	17.75
665	Toolbox 24 x 24 x 48"	103.00



LIGHTWEIGHT WIRE PULLER

This portable ratchet-action puller weighs only 29 lbs. Has 1500 lb. pulling capacity.

Cat. No.	Description	Each
766	Wire Puller	$91.00



WIRE AND CABLE GRIPS

Simple positive pulling grips lock on all sizes of conductors up to 1000 MCM. Use only 4" of costly conductors.

Cat. No.	Description	Each
677	Wire and Cable Grip Set. Consists of Nos. 674, 675, and 676 Cable Grips, No. 678 Rope Clevis, screws, and wrenches. Packed in metal box.	$91.00
674	Wire Grips for 2 and 2½" conduit	22.00
675	Wire Grips for 3 and 3½" conduit	26.50
676	Wire Grips for 4 and 5" conduit	33.00
678	Rope Clevis for connecting pulling rope to wire grip 8000-lb. capacity.	12.50

CONDUIT HICKEYS



Safe, one-piece construction. Heavy-duty handle permanently welded to cast steel head.

Cat. No.	Description	Each
508	½" Rigid Hickey	$ 7.50
512	¾" Rigid Hickey	9.50
516	1" Rigid Hickey	13.45

"LITTLE KICKER" BENDERS

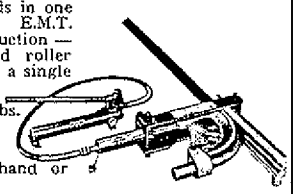


Make accurate offsets for exposed installations in ½ and ¾" E.M.T. Eliminate costly offset connectors.

Cat. No.	Description	Each
1810	½" E.M.T. Little Kicker	$19.50
1811	¾" E.M.T. Little Kicker	29.50

THIN-WALL CONDUIT BENDERS

Make 90° bends in one shot in 1¼–2" E.M.T. One-piece construction — frame, ram, and roller are assembled as a single unit.

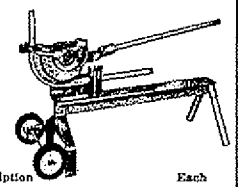


Weigh only 29 lbs.

Operate with hand or power pump.

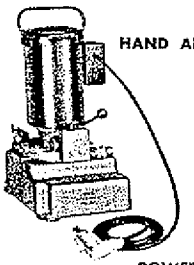
Cat. No.	Description	Each
882-H-755	1¼–2" E.M.T. Bender — hand pump	$440.00
882-E-915	1¼–2" E.M.T. Bender — power pump	701.00

RATCHET BENDERS



Make up to 90° bends in ½–1½" conduit or pipe. Ratchet action permits short power strokes. Equipped with two rubber-tired wheels.

Cat. No.	Description	Each
1800	½, ¾, and 1" Ratchet Bender	$155.00
1801	1¼ and 1½" Ratchet Bender	190.00



HAND AND POWER PUMPS

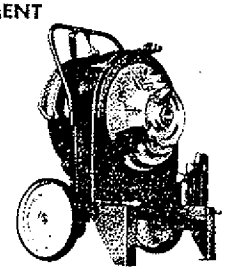


POWER PUMPS

Cat. No.	Description	Each
940SA-PS	1-hp Hydraulic Power Pump for use with Greenlee benders and other hydraulic tools having spring return. 115/230 v, a-c motor	$486.00
960SA-PS	1½-hp Hydraulic Power Pump for use with Greenlee benders and other hydraulic tools having spring return. 115/230 v, a-c motor	516.00
915PS	Compact Hydraulic Power Pump for use with Greenlee one-shot knockout drivers and benders (except Nos. 884 and 885). 115 v, a-c/d-c motor. Weighs only 22 lbs.	330.00

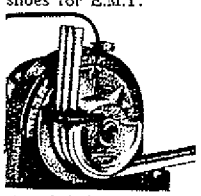
HAND PUMPS

767	Hand Pump for use with Greenlee knockout punch driver and other tools in its power range	40.00
755	Hand Pump for use with Greenlee one-shot knockout drivers and benders (except Nos. 884 and 885)	69.00
1726	Hand Pump for use with Nos. 884 and 885 benders.	110.00



ELECTRIC BENDER

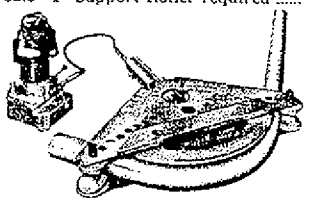
For ½ – 2" rigid conduit and pipe. Optional shoes for E.M.T.



Bends ½–2" conduit up to 180° in one shot. Makes 90° bends in 2" galvanized conduit in 20 seconds — loads in less than 10 seconds. Two shoes handle six sizes of rigid steel or aluminum conduit.

Optional "shotgun" shoes bend four sticks of ½ and ¾"; three sticks of 1" rigid conduit and pipe in 20 seconds . . . 100 or more elbows per hour. Fully portable.

Cat. No.	Description	Each
555	Electric Bender for ½–2" rigid conduit and pipe complete	$1180.00
501 7944.6	Optional Shoe for ½ – 1¼" thin-wall (E.M.T.)	120.50
501 7986.1	Support Roller required	33.50
	Optional "Shotgun" Shoes	
501 7945.4	½" Shotgun Shoe for bending four pieces of ½" rigid conduit or pipe — 3" radius	125.00
501 7994.2	½" Support Roller required	33.50
501 7946.2	¾" Shotgun Shoe for bending four pieces of ¾" rigid conduit or pipe — 4" radius	125.00
501 7995.0	¾" Support Roller required	33.50
501 7938.1	1" Shotgun Shoe for bending three pieces of 1" rigid conduit or pipe — 5¾" radius	125.00
501 7985.3	1" Support Roller required	33.50



LIGHTWEIGHT HYDRAULIC BENDERS

Bend aluminum or steel conduit and pipe. Easily carried, set up, and operated by one man. Operate with hand or power pumps. Attachments available for bending thin-wall conduit (E.M.T.) and bus bar.

90° ONE-SHOT BENDERS

Cat. No.	Description	Each
880-H-755	½–2" Bender with hand pump	$310.00
880-E-915	½–2" Bender with power pump	571.00
883-H-755	1¼–3" Bender with hand pump	665.00
883-E-940	1¼"–3" Bender with power pump	1082.00
883-G4	Conversion Kit for No. 883 Bender to segment bend 3½ and 4" conduit	340.00
*884-E-960	1¼–4" Bender with power pump	1476.00
†884-E-940	1-1/4–4" Bender with power pump	1446.00
884-H-1726	1¼–4" Bender with hand pump	1070.00
884-G5	Conversion Kit for No. 884 Bender to segment bend 5" conduit"	220.00
884-G14	2-1/2"–4" Thin wall bending attachment set. For use with No. 884 Bender	1260.00
BB-G2	Bus bar bending attachment Set 1x6"	230.00

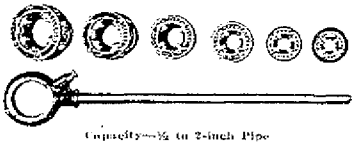
COMBINATION ONE-SHOT AND SEGMENT BENDERS

Cat. No.	Description	Each
777-HC-755	1¼–2" One-Shot and Segment 2½–4" Bender with hand pump	$520.00
777-EC-915	1¼–2" One-Shot and Segment 2½–4" Bender with power pump	781.00
883-4H-755	1¼–3" One-Shot and Segment 3½ and 4" Bender with hand pump	745.00
883-4E-940	1¼–3" One-Shot and Segment 3½ and 4" Bender with power pump	1162.00
*885-E-960	1¼–4" One-Shot and Segment 5" Bender with power pump	1546.00
†885-E-940	1-1/4–4" One-Shot and Segment 5" Bender with power pump	1516.00
885-H-1726	1¼–4" One-Shot and Segment 5" Bender with hand pump	1140.00

*Capacity 60 cu. in. per min. †Capacity 30 cu. in. per min.

TOLEDO PIPE TOOLS

No. 12 RATCHET THREADING DEVICE



Capacity—⅛ to 2-inch Pipe

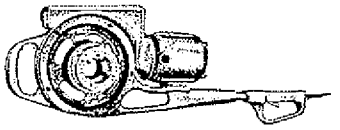
This ratchet tool is light and compact and it reaches the difficult corner job. Threads pipe easily and produce perfect tapered threads. Die heads are changed instantly by pulling the ratchet pawl knob, dropping out one head and inserting desired size. Die segments can be removed when dull and be easily reground or replaced at small expense without having to order complete new die heads.

Can be furnished with special dies for threading ½, ¾, 1, 1¼, 1½ and 2-inch electric conduit.

Complete tool consists of the ratchet handle, ¼, ¾, 1, 1¼, 1½ and 2-inch die heads with dies. ⅛, ¼ and ⅜-inch sizes can be furnished.

Description	Shpg. Wt. Lbs.	Each
No. 12, Complete ⅛ to 2 inches	25	$123.80
No. 12, Complete ¼ to 2 inches	31½	113.05
No. 12, Complete ⅜ to 2 inches	29	102.30
No. 12, Complete ½ to 2 inches	26¾	$91.55
No. 12, Complete ¾ to 2 inches	23¾	68.55
No. 12, Complete 1 to 2 inches	21	68.55
Ratchet	6	8.45
⅛-inch Die Head with R.H. Dies	3	$10.75
¼-inch Die Head with R.H. Dies	3	10.75
⅜-inch Die Head with R.H. Dies	3	10.75
½-inch Die Head with R.H. Dies	3	11.50
¾-inch Die Head with R.H. Dies	4	11.50
1 -inch Die Head with R.H. Dies	3	$14.65
1¼-inch Die Head with R.H. Dies	3	14.65
1½-inch Die Head with R.H. Dies	4	14.65
2 -inch Die Head with R.H. Dies	4	16.15

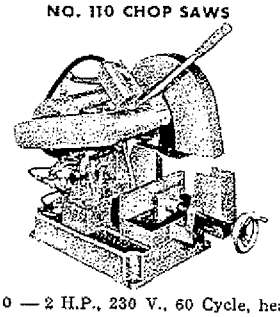
No. 68 POWER DRIVE



This unit operates most standard die stocks with special adaptors that can be supplied. Ample power to operate even geared threaders. Weighs only 33 pounds. Easily carried to the job anywhere.

No. 68 Power Drive With 115 Volt Electric Motor ..... each $260.00
No. 68 Power Drive With Air Motor, each 698.75

NO. 110 CHOP SAWS



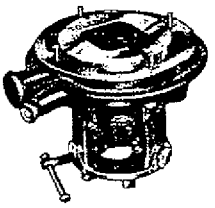
No. 110 — 2 H.P., 230 V., 60 Cycle, heavy duty motor.

Capacity 4" DWV Tubing (3" without turning). Quick acting, integral 4" vise. Precision ball bearing spindle. Ball bearing trunnion shaft. Completely wired. Weight 116 lbs., size 28" high, 16½" wide, 32" long.

Cuts copper and aluminum tubing, DWV tubing, aluminum extrusions with steel wheel and steel shapes and small solids with abrasive wheel. All controls within easy reach.

Cat. No.	Description	Each
110	Chop Saw less Cutting Wheel	$304.25
Steel Wheel	10" x 5/64" — 100 Teeth	29.90
245	11" x 1/8" Abrasive Wheels—per 10	26.00
T332	11" x 1/8" Abrasive Wheels—per 10	26.00
R91	11" x 1/8" Abrasive Wheels—per 10	22.60

SIMPACT ADJUSTABLE RATCHET THREADING DEVICE

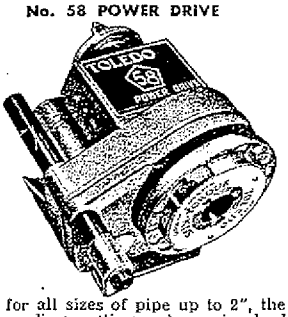


The Toledo Simpact is a self-contained 1- to 2-inch ratchet pipe threader. It has few moving parts, is light in weight, yet strong and sturdy, and will give years of satisfactory service.

Dies are made of finest grade high speed steel and can be reground when dull. Complete tool consists of tool body, one set of 1- to 2-inch high speed dies, and 24-inch tubular handle. Will thread a pipe projecting through a wall as short as 6¼ inches.

Size Pipe Inches	Description	Net Wt. Lbs.	Shpg. Wt. Lbs.	Each
1 to 2	Simpact, Complete	20¼	24	$89.75
Dies, R.H. 1" to 2", per set		¾	1	12.20

No. 58 POWER DRIVE



Designed for all sizes of pipe up to 2", the No. 58 makes threading, cutting and reaming by hand old-fashioned. Lightweight—only 73 lbs. the 58 is easy to carry, due to die cast aluminum housing and cover. It can be mounted on bench or stand. Center screw permits mounting in any position through 360°.

No hammering necessary with exclusive new Spin Torque Chuck. Just a quick spin of the hand-wheel and self-centering jaws are tightened. Jaws are easily removed.

The heavy-duty Toledo 115-volt motor provides fast speeds, even on 2" pipe. A safety feature in the switch prevents motor from being instantaneously reversed. The machine requires no lubrication, greatly reducing maintenance.

The precision hobbed, helical cut gears in heavy-duty gear train have been carefully machined for smooth service. Sealed, this new gear train is factory-lubricated—with ball-bearings throughout.

Heavy-gauge steel base, with four holes for permanent mounting.

Capacity: ⅛" to 2" pipe or conduit, ¼" and larger rod or bolt.

No. 58 Power Drive ..... each $302.45
Stand, 3-legged folding, with Tray ..... each 37.30

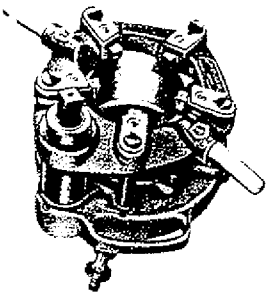
LIGHT WEIGHT, HEAVY DUTY DROP FORGED ALUMINUM PIPE WRENCHES



Handle, housing and hook of forged aluminum; steel insert jaws replaced easily; alloy steel nut. Specify Toledo Pipe Wrenches, available in two types: All Aluminum with forged steel insert jaws and alloy steel nut; Aluminum with forged steel hook jaw and alloy steel nut.

Cat. No.	Size In.	Cap. In.	Wt. Lbs. Each	Each
All Aluminum Heavy Duty—Forged				
11770	10	1½	1	$ 9.20
11791	14	2	1¾	10.95
11812	18	2½	2¾	13.45
11835	24	3	4	18.80
11860	36	4½	8¾	30.45
Aluminum With Forged Steel Hook				
11786	10	1½	1	$ 6.85
11807	14	2	2⅛	8.85
11830	18	2½	3½	11.30
11855	24	3	5	17.15
11880	36	4½	10½	29.25

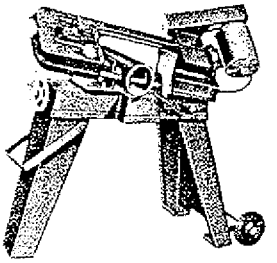
No. 2BJ NO JAM THREADER



Jam-proof—the feed automatically kicks out at completion of thread. Separate dies for each size assure accuracy and long die life. Convenient, easy to set work holder makes centering a breeze. Fully enclosed gears. Pinion is straddle-mounted. Four set of dies furnished, sizes 2½", 3", 3½" and 4" . . . and set-screw wrench. Ratchet handle is $16.70 extra.

Model No.	Description	Each
2BJ	For Conduit, with 2½" to 4" Dies	$215.15
Extra, Set of 2½"	R.H. Conduit Dies	16.90
Extra, Set of 3"	R.H. Conduit Dies	16.90
Extra, Set of 3½"	R.H. Conduit Dies	16.90
Extra, Set of 4"	R.H. Conduit Dies	16.90

NO. 460 METAL CUTTING BAND SAWS

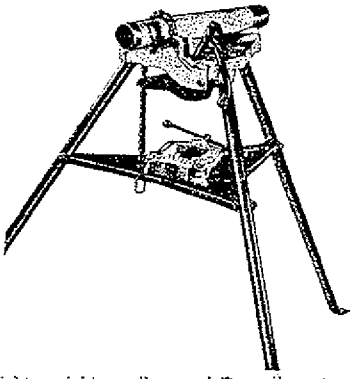


Designed to handle pipe up to 4 inch diameters and rectangular shapes up to 4-1/2 inches. Cuts at 90° and 45° angles.

Converts easily and quickly to a vertical band saw. Has blade speeds of 65, 120 and 220 fpm. 1/3 hp. motor, 115 V. 60 cy., 1725 rpm. Blade size, 1/2x.025x64-1/2 inches.

No. 460 Saw Complete Less Stand . . . . each	$227.45
No. 21801 Stand W/Wheels . . . . . each	30.50
No. 21803 Stand Less Wheels . . . . . each	19.95
No. 21802 Table, 10x10 Inches . . . . . each	9.95
No. 21804 10 Tooth Blades . . . . . 3 in Box	9.95
No. 21805 14 Tooth Blades . . . . . 3 in Box	9.95
No. 21806 18 Tooth Blades . . . . . 3 in Box	9.95

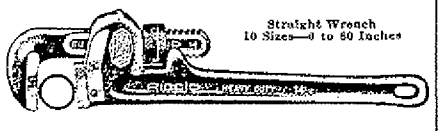
PIPE VISE STANDS



Light weight, easily carried, easily set-up or taken down. Folding steel tray locks legs. No. 7C with Chain Vise; No. 7Y with Yoke Vise. Can be converted from chain to yoke or from yoke to chain easily. Compound leverage applied to chain. Minimum turns on screw.

Model No.	Description	Each
7-C	Vise Stand with Chain Yoke Vise	$63.90
7-Y	Vise Stand with Yoke Vise	63.25
Conversion Kit 7-C to 7-Y		21.30
Conversion Kit 7-Y to 7-C		19.15

STRAIGHT AND END PIPE WRENCHES





Size, In. Straight	End	Cap. In.	Wt. Lbs. Each	Wt. Lbs. 6 to Box	Each
6	E6	¾	½	2½	$2.55
8	E8	1	¾	5¼	2.95
10	E10	1½	1¾	11	3.90
12	E12	2	2¾	17	4.60
14	E14	2	3½	22¼	5.25
18	E18	2½	5¾	35¾	7.45
24	E24	3	9¾	59½	11.75
36	E36	5	19	.....	24.85
48	.....	6	34½	.....	37.45
60	.....	8	51¼	.....	54.16

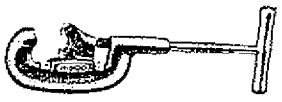
THREAD CUTTING OIL



Finest quality, special purpose sulphur-lard cutting oil that cools, speeds metal removal, produces clean threads, prevents chips from welding to dies. An exactly formulated combination of petroleum oils and special additives, including an odorless germicide that is antiseptic. Will not congeal at 20°F.

Size Container	Cans to Case	Case Wt. Lbs.	Price Each Dark	Nu-Clear
1 pt. can (Nu-Clear only)	24	32	$...	$ 1.00
1 qt. can	12	28	1.10	1.30
1 gal. can	6	51½	2.30	2.50
2 gal. can (Nu-Clear only)	3	50	...	4.65
5 gal. can	1	42	9.65	11.15
30 gal. drum	1	252	48.25	55.10
55 gal. drum	1	465	75.80	86.70

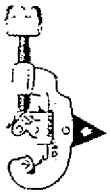
HEAVY-DUTY PIPE CUTTERS



For fast clean pipe cutting. New long shank protects threads on cutter screw from wear on power drive support bar. Bigger handle for more leverage, easier cutting. Frames of special malleable iron, guaranteed not to break or warp. Equipped with special tough-blade cutter wheels. Every cutter factory-tested to insure perfect tracking.

Cat. No.	Capacity Inches	Wt., Lbs. Each	Each
1A	⅛—1¼	6½	$15.05
2A	⅛—2	7¼	20.10

TUBING CUTTERS (WITH ROLLS)



For copper, brass, aluminum tubing and thin wall conduit. Cuts quickly, no burr. Rolls smooth tube ready for soldering. No tubing distortion. Compact, light, strong, always tracks perfectly. Handy fold-in integral reamer. Wheel well protected from damage in tool kit. Heavy-duty wheel for steel and stainless steel tubing available.

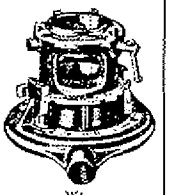
Cat. No.	Capacity	Wt. Lbs. Each	Each
10	⅛ to 1-in. (O.D.)	⅞	$4.10
15	⅛ to 1⅝-in. (O.D.)	1¼	5.25
20	⅝ to 2⅛-in. (O.D.)	1¾	9.45

Tubing Cutter Parts

Size	No. 10	No. 15	No. 20
Cutter Wheel, Std.	$ .85	$ .85	$ .85
Cutter Wheel, H.D.	1.00	1.00	1.00
Frame	2.30	2.30	2.30
Roll Housing	1.20	1.45	2.10
Roll, each	.45	.55	.85
Roll Pin	.30	.30	.30
Screw Handle	1.20	1.65	2.40

RIDGID PIPE TOOLS

No. 65R PIPE THREADERS

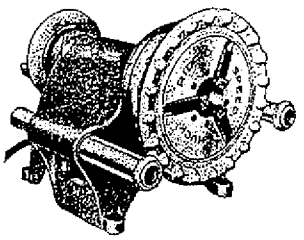


Threads four sizes of pipe, 1, 1¼, 1½ and 2-inch, with one set of high-speed steel dies that stay in the threader. Furnished with cam type workholder, practically automatic; set to pipe size, tighten one screw on pipe; no bushings. Workholder takes 2-inch couplings for threading 2-inch close nipples.

Cat. No.	Complete with dies	Wt. Lbs.	Each
65 R-C	with Cam-type workholder	25	$73.60
65 DR-C	same, with 2 handles	28	82.85

	Per Set
No. 65-R Series Dies	$9.15
Special Dies for Stainless Steel Pipe	11.00

No. 300 POWER DRIVE



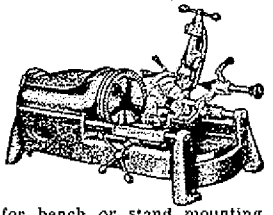
Lightweight—heavy-duty. Capacity: ⅛" to 2" pipe and conduit; ¼" to 2" bolts and rod; 2½" to 12" pipe with drive attachments and geared tools. Patented speed chuck. 3-jaw rear centering device turns with and supports pipe, assuring straight threads and cuts. Two adjustable heavy-duty tool support bars. Housing of one-piece, lightweight alloy aluminum casting. ½ H.P. Universal type motor, single-phase, 25-60 cycle AC or DC, 115 volt. Bump-proof reversible switch.

Full 15-ft. oil-resistant power cord. Complete with one gallon RIDGID Thread Cutting Oil and three Allen Wrenches.

Cat. No.	Description	Shpg. Wt. Lbs.	Each
300	Power Drive	96	$302.45
1206	Stand for No. 300	31	39.00

No. 535 PIPE AND BOLT THREADING MACHINE

Capacity: ⅛" to 2" Pipe; ¼" to 2" Bolts



Ideal for bench or stand mounting, here's a truly complete pipe workshop, all in one compact unit. It threads, cuts and reams . . . even cuts close nipples when you use a No.819 Nipple Chuck. Popular Speed Chuck sets and releases by hand . . . holds tight, forward or reverse. 3-jaw rear centering device centers even long lengths for true threads and cuts. Pipe can be chucked from front. All tools operate independently, swing up out of way when not in use. Lathe-type adjusting handle moves carriage accurately, smoothly. Easy-to-read length gauge gives fast, exact cut-offs. Oil reservoir contains reversible vane-type pump that recirculates and cleans thread cutting oil for big savings. ½ h.p. single phase 115 volt, AC or DC, 25-60 cycle Universal motor is reversible at switch. 230 volt motor available. Armature has extra large brushes and commutator for longer brush life. All RIDGID quick-opening Pipe and Bolt Machine Die Heads and Dies can be used.

Cat. No.		Wt. Lbs.	Each
535	Machine with all standard equipment (cutter, reamer, 3 gals. RIDGID Thread Cutting Oil, 4 Allen type wrenches, 1 spare cutter wheel, and 1 tube of Gear Grease), but less all Die Heads and Dies	289	$683.40
535	Machine with All Standard Equipment and 1 Universal Die Head with 2 sets of R. H. Pipe and Dies for ½" to 2" Pipe	303	612.45

THREE-WAY THREADERS



For small pipe and conduit. Convenient compact threaders, with handy reversal of chasers for close-to-wall threads. Alloy tool steel chasers easily removed for grinding.

Cat. No.	Description	Wt. Lbs.	Per Set
30-A	Threads ⅜, ½, ¾-in. pipe	8¼	$26.35
31-A	Threads ½, ¾, 1-in. pipe	10	29.60

HICKEY-TYPE HEAVY-WALL CONDUIT BENDERS



Cast of high-strength malleable. Handle threads are at bottom of extra-long supporting socket to minimize handle breakage. Face of bender has hardened teeth for non-slip grip. Notch in radius protects conduit threads. Price is less handle.

No.	Capacity (Heavy-Wall Conduit)	Wt. Lbs.	Price
B-1709	Bends ½"	2⅝	$ 5.00
B-1711	Bends ½" and ¾"	2¾	5.00
B-1712	Bends ¾", 1", and 1¼"	7¾	11.80

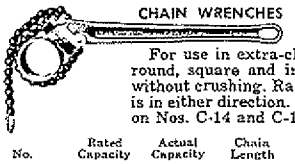
THIN-WALL CONDUIT BENDERS



Cast of high-strength malleable, markings on these benders indicate 30°, 45°, 60° and 90° bends. Bending grooves conform to Standard Code Radii. Smooth side walls grip snugly . . . minimize distortion. Non-slip step provide for steadying foot pressure. Easy-to-see arrows give accurate guide for back-to-back and stub bends. Price is less handle.

No.	Capacity	Wt. Lbs.	Price
B-1677	Bends ½" Thin-Wall Conduit to 4" Inside Radius	2½	$3.85
B-1678	Bends ¾" Thin-Wall & ½" Heavy-Wall Conduit to 5" Inside Radius	4½	6.10
B-1679	Bends 1" Thin-Wall & ¾" Heavy-Wall Conduit to 6½" Inside Radius	8½	9.30

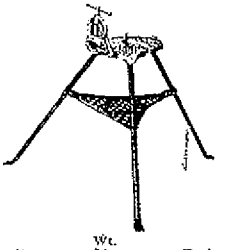
CHAIN WRENCHES



For use in extra-close quarters on round, square and irregular shapes, without crushing. Ratchet-like action is in either direction. Replaceable jaw on Nos. C-14 and C-18.

No.	Rated Capacity	Actual Capacity	Chain Length	Wt. Lbs.	Price
C-14	2"	5"	18⁹⁄₁₆"	2¾	$ 8.30
C-18	2½"	5"	20¼"	6	12.60
C-12	2"	4"	15¾"	1¾	5.80

PORTABLE TRISTAND PIPE VISES



A portable work bench with built-in folding steel tray, easy to set up. Tray makes it extra rigid. Wide special malleable vise base for dope pot, oil can, slots for hanging tools, pipe rest, three pipe benders. Efficient vises with tool steel jaws hardened for firm grip and long wear.

Cat. No.	Vise Type	Capacity	Wt. Lbs.	Each
40A	Yoke	⅛" to 2½"	48½	$63.60
450	Chain	⅛" to 5"	45½	64.55

RIDGID PIPE TOOLS
DROP-HEAD RATCHET THREADERS



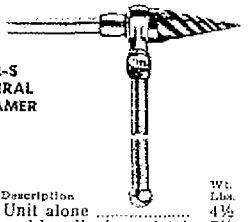
00-R, 111-R & 12-R Exposed Ratchet

No. 00-R Capacity Inches	Weight Lbs.	Each
⅛ thru 1	13¾	$56.15
⅛ thru ¾	11¼	47.85
¼ thru 1	12½	47.85
¼ thru ¾	10	39.55
⅜ thru 1	11¼	39.55
⅜ thru ¾	9	31.30
½ thru 1	10	31.30
½ thru ¾	7½	23.00

No. 12-R Capacity Inches	Weight Lbs.	Each
⅛ thru 2	45½	$123.55
¼ thru 2	42¼	112.85
⅜ thru 2	38¾	102.15
½ thru 2	34¾	91.40
¾ thru 2	30¾	79.90
1 thru 2	27	68.45
½ thru 1¼	23¾	60.65

No. 111-R Capacity Inches	Weight Lbs.	Each
⅛ thru 1¼	21¾	$75.50
⅛ thru 1	18¾	65.15
¼ thru 1¼	19¾	66.10
¼ thru 1	16¾	55.75
⅜ thru 1¼	18	56.65
⅜ thru 1	15	46.35
½ thru 1¼	16	47.20
½ thru 1	13	36.90

PIPE DIES ONLY	Per Set
⅛", ¼", ⅜", ½" and ¾"	$5.15
1" and 1¼"	7.35
For No. 12-R only 1½" and 2"	8.15



2-S SPIRAL REAMER

Cat. No.	Description	Wt. Lbs.	Each
2-S	Reamer Unit alone	4½	$23.10
2-S	Reamer and handle (complete)	7¼	26.20

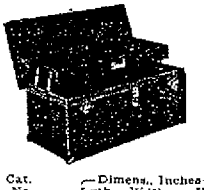
KENNEDY ALL-STEEL TOOL BOXES



GENERAL MECHANIC'S BOX

Three skid rails are welded to the bottom of the box for added strength and protection. Finished in dark brown ripple baked enamel outside and green enameled trays. Fastened with draw bolt hasp and staple.

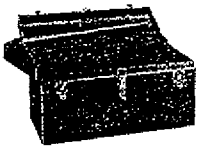
Cat. No.	Dimens., Inches Lgth.	Wdth.	Ht.	Std. Pkg.	Pkg. Wt. Lbs.	Std. Pkg. Each
1017	17⅛	8⅛	10	4	57	$15.90
1018	18⅜	10	12⅝	1	19	17.85



ALL-PURPOSE TOOL BOXES

Double seam ends, full length piano hinge and corner irons. Finished in dark brown ripple baked enamel with smooth green tray. Cantilever tray. Fastened with draw bolt hasp and staple.

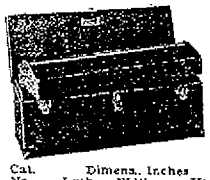
Cat. No.	Dimens., Inches Lgth.	Wdth.	Ht.	Std. Pkg.	Pkg. Wt. Lbs.	Std. Pkg. Each
CS-16	16	7	7¼	6	43	$7.20
CS-19	19	7	7¼	6	49	7.87



K-20 TOOL BOX

All-purpose tool box with lift out tray. Has piano type hinge, draw bolt hasp and staple and two side catches. Dark brown baked enamel finish with smooth green tray.

Cat. No.	Dimens., Inches Lgth.	Wdth.	Ht.	Std. Pkg.	Pkg. Wt. Lbs.	Std. Pkg. Each
K-20	20⅛	8⅝	9⅝	4	57	$10.20

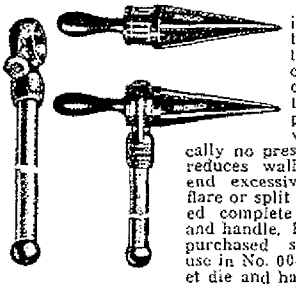


S-19 GENERAL UTILITY BOX

Double seamed ends for greater strength. Lift out tray has full-grip handle. Full length piano hinge and sturdy hardware. Brown finish with green tray.

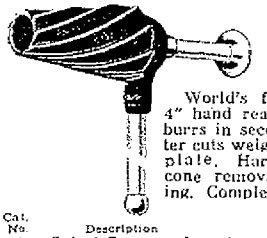
Cat. No.	Dimens., Inches Lgth.	Wdth.	Ht.	Std. Pkg.	Pkg. Wt. Lbs.	Std. Pkg. Each
S-19	19	7	7¼	6	58	$7.87

RIDGID PIPE TOOLS
RATCHET PIPE REAMERS



Because of its extra-long taper design, this reamer cuts burrs cleanly from the inside of pipe or conduit with practically no pressure. Scarcely reduces wall of threading and excessively, does not flare or split pipe. Furnished complete with ratchet and handle. Reamer may be purchased separately for use in No. 00-R small ratchet die and handle.

Cat. No.	LonGrip Capacity Inches	Reamer Wt. Lbs.	Complete Price Each	Reamer Unit Only	Reamer Cone Only	Ratchet and Handle Complete
2	⅛ to 2	7	$22.25	$16.20	$10.45	$6.55
3	⅜ to 3	11½	32.85	27.90	19.45	6.70



NO. 254 SPIRAL RATCHET PIPE REAMER

World's first 2½" through 4" hand reamer . . . smooths burrs in seconds. Hollow center cuts weight. Large pressure plate. Hardened tool-steel cone removable for sharpening. Complete with handle.

Cat. No.	Description	Wt. Lbs.	Price Each
254	Spiral Reamer, Complete	14	$40.40
254	Spiral Cone only	5¾	21.25

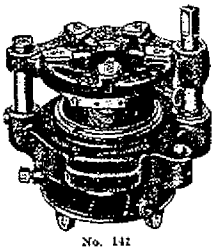
ALUMINUM HANDLE STRAIGHT PIPE WRENCHES



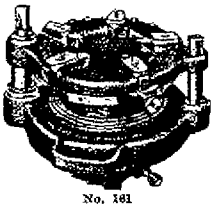
Aluminum handles make these heavy-duty pipe wrenches almost 40% lighter than similar wrenches with malleable iron handles. Housings are guaranteed not to break or warp. Jaws and other parts are identical to malleable iron handle wrenches.

Cat. No.	Wrench Size, In.	Cap. In.	Wt. Lbs. Each	Wt. Lbs. 6 to Box	Each
810	10	1½	1	6¾	$5.75
814	14	2	2½	14½	7.75
818	18	2½	3⅜	22¾	9.55
824	24	3	6	37	15.35
836	36	5	11	.....	26.45
848	48	6	18½	.....	52.30

GEARED THREADERS



No. 141



No. 161

Only one set of high speed dies threads 2½", 3", 3½" and 4" pipe and conduit. No extra die sets to change or lose. Die size selector plate sets quickly and locks at desired size. Easy adjustment for tapered, straight, over or under size threads.

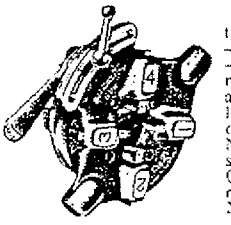
Jam-proof for safe power or hand threading. Drive pinion kicks out automatically. Die heads can not jam.

Fast-action, cam-type workholder sets to size by quick turn of collar. Set screw holds work centered for perfect threads every time.

Complete with 1 Set of Dies

Cat. No.	For Pipe and Conduit	Wt. Lbs.	Net Each
141	2½", 3", 3½", and 4"	93	$224.75
Extra	High-Speed Dies.....per set		31.75
161	4", 4½", 5" and 6"	158	363.00
Extra	High-Speed Dies.....per set		47.20

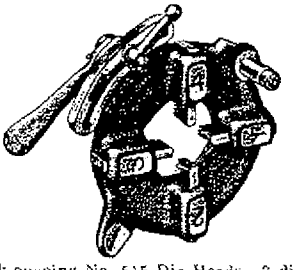
RIDGID PIPE TOOLS
THREADERS FOR USE WITH POWER DRIVES



New quick-opening threader for power use —with one set of dies — fast, easy adjustment to size (also over and undersize) regardless of position of quick opening lever. No slow backing off or stopping power-drive. Quick-opening lever retracts dies instantly. No lead screws to jam.

Cat. No.	Description	Wt. Lbs.	Each
	For ⅛" and ¾" Pipe Only		
502	With 1 Set Regular Dies	13	$89.30
502	Dies Only	¾	10.90
502	High Speed Dies	¾	20.00
	For 1" to 2" Pipe and Conduit For 1⅛" through 2" Bolts		
504	With 1 Set Regular Dies	23¾	75.10
504	Dies Only	1¼	13.40
504	High Speed Dies	1¼	20.00

DIE HEADS FOR RIDGID THREADING MACHINES



Quick-opening No. 515 Die Heads—3 die heads with full-width dies, for ¼" pipe, ⅜ and ½-inch pipe, and ½ and ¾-inch pipe—each with one set of dies .....each $39.95

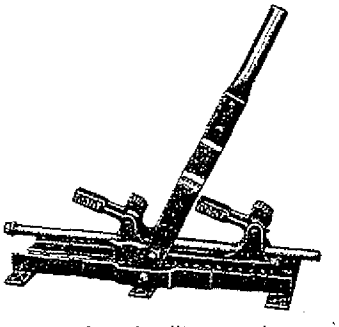
Quick-opening Monotype Die Heads — Separate die heads and dies for ⅛, ¼, ⅜, ½, ¾, 1, 1¼, 1½ and 2-inch pipe.....each 39.95

Quick-opening Bolt Die Heads—2 die heads, one for ¾ to 1-inch dies, one for 1⅛ to 2-inch dies ..... each 39.95

L.H. Dies and 8, 12 and 16 Pitch Dies available. 8, 12, and 16 Pitch Dies up to and including 2½-inch can be furnished.

GIANT PIPE PUSHER

Capacity ½" to 1" Pipe



The carriage is steel, built to stand heavy service. Bolts are chrome nickel steel. The pawls that engage in the carriage ratchets are reinforced by the strengthened horseshoe lever. The main lever is cross braced to insure true shape and alignment while the machine is under extra heavy strain. The automatic recoil pawls hold the carriage, when the pushing is hard, until the pusher pawls get a new catch.

The pipe grip is positive and the release is automatic. The harder the strain the more securely the upper jaws grip the pipe, but never will it crush the pipe.

Giant Pipe Pushers are available in sizes to handle all kinds of pipe and conduit.

Cat. No.	Description	Frame Length In.	Frame Width In.	Approx. Wt. Lbs.	Each
1XRS	Pipe Pusher	26	10¾	70	$79.00

GREENLEE TIMESAVING BITS

NO. 16 UNISPUR ELECTRICIANS' AUGER BITS



Size	Each	Size	Each	Size	Each
5/8"	$2.20	11/16"	$2.80	1"	$3.25
11/16"	2.30	3/4"	2.95	1 1/16"	4.40
3/4"	2.35	13/16"	3.20	1 1/4"	5.20

NO. 18 UNISPUR ELECTRICIANS' POWER BITS



Size	Each	Size	Each	Size	Each
5/8"	$2.60	11/16"	$3.05	1 1/16"	$5.00
11/16"	2.70	3/4"	3.25	1 1/4"	5.65
3/4"	2.75	1"	3.50	.....	.....

NO. 29 UNISPUR SINGLE TWIST ELECTRICIANS' BITS



Size	Each	Size	Each	Size	Each
11/16"	$2.55	13/16"	$2.90	1"	$3.40
3/4"	2.65	7/8"	3.10	....	.....

NO. 48 BELL HANGER DRILLS



12-Inch Length

Size	Each	Size	Each	Size	Each
3/16"	$1.85	7/32"	$1.90	1/4"	$2.45
1/4"	1.85	9/32"	2.05	1/4"	2.65

18-Inch Length

Size	Each	Size	Each	Size	Each
3/16"	$2.20	7/32"	$2.70	9/32"	$3.70
1/4"	2.20	1/2"	3.05	11/32"	4.05
5/16"	2.30	7/16"	3.30	3/4"	4.75
3/8"	2.45	.....	.....	.....	.....

24-Inch Length

Size	Each	Size	Each	Size	Each
3/16"	$2.70	7/32"	$2.85	1/4"	$3.15
1/4"	2.70	9/32"	2.95	1/2"	3.45

NO. 64 SHIP AUGER CAR BITS



12-Inch Twist

Size	Each	Size	Each	Size	Each
1/4"	$2.65	5/8"	$2.85	1"	$3.85
5/16"	2.65	11/16"	2.95	1 1/16"	4.30
3/8"	2.65	3/4"	3.00	1 1/8"	4.50
7/16"	2.70	13/16"	3.15	1 1/4"	5.10
1/2"	2.75	7/8"	3.30	1 1/2"	6.60
9/16"	2.80	15/16"	3.70	.....	.....

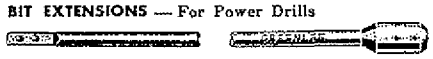
NO. 64-PT SHIP AUGER POWER BITS



12-Inch Twist

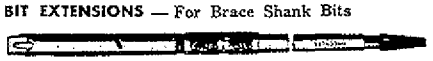
Size	Each	Size	Each	Size	Each
3/8"	$2.90	5/8"	$3.40	7/8"	$4.15
7/16"	3.00	11/16"	3.50	15/16"	4.45
1/2"	3.05	3/4"	3.65	1"	4.75
9/16"	3.30	13/16"	3.80	.....	.....

BIT EXTENSIONS — For Power Drills



Cat. No.	Description	Each
902	Power Bit Extension to follow 13/16" bit and larger Shank size: 11/16" Overall length: 18" 24"	 $2.05 2.15
904	Power Bit Extension to follow 1 1/16" bit and larger Shank size: 1/2" Overall length: 18" 24"	 2.90 3.25

BIT EXTENSIONS — For Brace Shank Bits

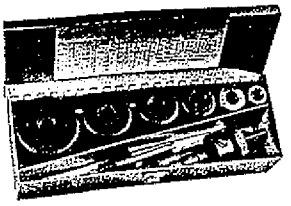


Cat. No.	Description	Each
900	Bit Extensions to follow 5/8" bit and larger 18" length 24" length	 $5.35 5.90
925	Bit Extensions to follow 13/16" bit and larger 18" length 24" length	 7.65 8.40

GREENLEE HOLE SAWS

Shatterproof, high-speed steel teeth welded to rigid steel body. Cuts to 1 1/8" depth.

HOLE SAW KIT



Cat. No.	Description	Each
830	Contains 7/8, 1 1/16, 1 1/2, 1 3/4, 2 and 2 1/2" No. 825 standard hole saws; 1/4" round shank (No. 826), 7/16" hex shank (No. 827), and 1/2" hex shank (No. 828) arbors	$34.50

STANDARD HOLE SAWS



No. 825 Hole Saws

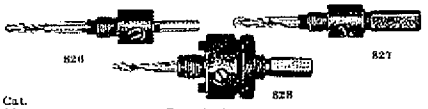
Cat. No. 825 — Use with Arbor No. 826 or 827.

Size In.	Each	Size In.	Each	Size In.	Each
7/8	$3.45	1 3/16	$2.60	1 7/8	$2.75
1 1/16	2.60	1 5/16	2.60	1 15/16	2.75
1 1/8	2.60	1 7/16	2.60	2 1/16	2.75
1 3/16	2.60	1	2.75	.....	.....

Cat. No. 825 — Use with Arbor No. 828 or 829.

Size In.	Each	Size In.	Each	Size In.	Each
1 1/4	$2.75	2 1/16	$4.50	3 1/2	$5.00
1 5/16	2.75	2 1/4	4.50	3 5/8	5.90
1 3/8	2.95	2 5/16	4.50	3 3/4	6.95
1 7/16	2.95	2 3/8	4.50	3 7/8	7.30
1 1/2	2.95	2 1/2	4.85	4	7.60
1 5/8	2.95	2 5/8	4.85	4 1/8	8.30
1 5/8	2.95	2 5/8	4.85	4 1/4	10.80
1 11/16	2.95	2 3/4	4.85	4 3/8	12.85
1 3/4	3.60	2 7/8	4.85	4 1/2	14.95
1 13/16	3.60	3	5.00	4 3/4	16.60
1 7/8	3.60	3 1/8	5.00	5	18.40
2	3.60	3 1/4	5.00	5 1/2	22.00
2 1/16	4.50	3 3/8	5.00	6	25.70

ARBORS



Cat. No.	Description	Each
826	1/4" round shank arbor 1/2"-20 thread. For 7/8" thru 1 7/8" dia. hole saws. 1/4" pilot drill included	$2.45
827	7/16" hex shank arbor 1/2"-20 thread. For 7/8" thru 1 7/8" dia. hole saws. 1/4" pilot drill included	3.45
828	7/8" hex shank arbor 5/8"-18 thread. For 1 1/4" thru 6" dia. hole saws. 1/4" pilot drill included	5.45
829	5/8" hex shank arbor 5/8"-18 thread. For 1 1/4" thru 6" dia. hole saws. 1/4" pilot drill included	5.45
	Extra Pilot Drills — 1/4" high speed pilot drills for use with hole saw arbors	1.20

GENERAL PURPOSE DRILLS



P.T.D. Twist Drills and Cutting Tools are manufactured under the most exacting standards of quality, accuracy and finish.

FRACTIONAL SIZES NO. R10

Diameter Inches	Each	Length Overall Inches
1/64	$ .59	3/4
1/32	.42	1 3/8
3/64	.33	1 3/4
1/16	.31	1 7/8
5/64	.31	2
3/32	.32	2 1/4
7/64	.37	2 5/8
1/8	.44	2 3/4
9/64	.44	2 7/8
5/32	.51	3 1/8
11/64	.56	3 1/4
3/16	.63	3 1/2
13/64	.73	3 5/8
7/32	.81	3 3/4
15/64	.89	3 7/8
1/4	.95	4
17/64	1.20	4 1/8
9/32	1.30	4 1/8
19/64	1.45	4 3/8
5/16	1.55	4 1/2
21/64	1.65	4 5/8
11/32	1.95	4 3/4
23/64	2.35	4 7/8
3/8	2.30	5
25/64	2.65	5 1/8
13/32	2.65	5 1/4
27/64	3.00	5 3/8
7/16	3.15	5 1/2
29/64	3.70	5 5/8
15/32	3.95	5 3/4
31/64	4.15	5 7/8
1/2	4.00	6

LETTER SIZES NO. R15

Size	Each	Length Overall Inches
A	$1.10	3 7/8
B	1.10	4
C	.95	4
D	1.00	4
E	1.15	4
F	1.15	4 1/8
G	1.30	4 1/8
H	1.50	4 1/8
I	1.30	4 1/8
J	1.50	4 1/8
K	1.65	4 1/4
L	1.70	4 1/4
M	1.95	4 3/8
N	1.70	4 3/8
O	1.65	4 1/2
P	2.05	4 5/8
Q	2.05	4 3/4
R	1.95	4 3/4
S	2.65	4 7/8
T	2.90	4 7/8
U	2.45	5
V	2.90	5
W	2.80	5 1/8
X	3.95	5 1/8
Y	4.35	5 1/4
Z	4.50	5 1/4

WIRE GAUGE SIZES NO. R18

Wire Gauge No.	Each	Length Overall Inches
1	$1.00	3 7/8
2	1.00	3 7/8
3	.94	3 3/4
4	.97	3 3/4
5	.97	3 3/4
6	.97	3 3/4
7	.73	3 5/8
8	.76	3 5/8
9	.83	3 5/8
10	.76	3 5/8
11	.79	3 1/2
12	.81	3 1/2
13	.70	3 1/2
14	.73	3 3/8
15	.73	3 3/8
16	.69	3 3/8
17	.65	3 3/8
18	.58	3 1/4
19	.57	3 1/4
20	.58	3 1/4
21	.56	3 1/4
22	.56	3 1/8
23	.53	3 1/8
24	.54	3 1/8
25	.49	3
26	.51	3
27	.47	3
28	.44	2 7/8
29	.44	2 7/8
30	.44	2 3/4
31	.41	2 3/4
32	.42	2 3/4
33	.39	2 5/8
34	.39	2 5/8
35	.39	2 5/8
36	.37	2 1/2
37	.39	2 1/2
38	.37	2 1/2
39	.34	2 3/8
40	.34	2 3/8
41	.33	2 3/8
42	.32	2 1/4
43	.32	2 1/4
44	.32	2 1/8
45	.32	2 1/8
46	.32	2 1/8
47	.32	2
48	.32	2
49	.32	2
50	.32	2
51	.32	2
52	.32	1 7/8
53	.32	1 7/8
54	.33	1 7/8
55	.33	1 7/8
56	.33	1 3/4
57	.41	1 3/4
58	.43	1 5/8
59	.44	1 5/8
60	.41	1 5/8

A to N in pkg. of 12 O to Z in pkg. of 6 All in pkg. of 12

TILDEN ROTARY KONKRETE KORE DRILLS

Tungsten carbide cutters set in the perimeter of the drill penetrate concrete and other masonry materials as fast as 6 inches per minute with a one inch bit. Patented core slot from 1/2-inch up. Spiral fluting clears the hole.

Drills reinforcing bars. Up to 300 inches without resharpening. Used in ordinary drill motors. Interchangeable shanks, 7/8" up for any depth holes.

Cat. No.	Drill Size In.	Lgth. Overall In.	Each
Rotary Konkrete Kore			
KK-8	1/2	6	$6.15
KK-9	9/16	6	7.01
KK-10	5/8	8	7.80
KK-11	11/16	8	8.62
KK-12	3/4	8	9.37
KK-13	13/16	8	11.32
KK-14	7/8	10	13.32
KK-16	1	10	14.06
KK-18	1 1/16	12	16.05
KK-20	1 1/4	12	17.77
KK-22	1 3/8	12	19.61
KK-24	1 1/2	12	21.45
KK-26	1 5/8	12	23.32
KK-28	1 3/4	12	25.87
KK-30	1 7/8	12	26.77
KK-32	2	12	28.35
KK-36	2 1/4	15	$30.22
KK-40	2 1/2	15	35.06
KK-44	2 3/4	15	37.50
KK-48	3	15	45.67
KK-52	3 1/4	18	51.26
KK-56	3 1/2	18	58.76
KK-60	3 3/4	18	62.21
KK-64	4	18	66.93
KK-68	4 1/4	24	71.06
KK-72	4 1/2	24	76.57
KK-76	4 3/4	24	87.37
KK-80	5	24	65.25
KK-84	5 1/4	24	95.62
KK-88	5 1/2	24	99.22
KK-92	5 3/4	24	104.70
KK-96	6	24	109.46



Cat. No.	Drill Size In.	Lgth. Overall In.	Each
Auger Point			
AP-532	1/2	3	$1.61
AP-2	11/16	3	1.61
AP-3	5/8	4	1.61
AP-732	11/16	5	1.61
AP-4	3/4	5	1.61
AP-932	13/16	5	1.61
AP-S	7/8	5	1.72
AP-6	7/8	5	2.02
AP-7	15/16	5	2.10
AP-8	1/2	6	2.40
AP-9	1/2	8	$3.15
AP-10	5/8	8	3.33
AP-11	11/16	8 1/2	3.78
AP-12	3/4	8 1/2	4.08
AP-14	7/8	10	5.10
AP-16	1	10	6.37
AP-18	1 1/8	12	10.46
AP-20	1 1/4	12	11.73
AP-22	1 3/8	12	12.37
AP-24	1 1/2	12	14.02

Shank Extensions

Size 1/2 thru 11/16 inch drills have 5/8-inch removable shanks; screw-in extensions to 24 inches.

Size 3/4 thru 1 7/8-inch drills have 1/2-inch removable shanks; screw-in extensions to 36 inches.

Size 2 and larger drills have 3/4-inch removable shanks; screw-in extensions to 36 inches.

5/8" .....$2.40 per foot or fraction

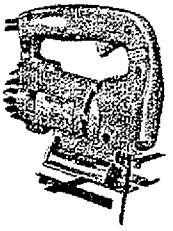
1/2" ..... 2.80 per foot or fraction

3/4" .....per 6" 1.90

Morse Taper Nos. 1, 2, 3, 4 and 5.....$9.00

BLACK & DECKER
INDUSTRIAL POWER TOOLS

STANDARD JIG SAW



Makes 45° angle cuts. Air keeps cutting line visible. No splintering of upper wood surface. Efficiency Rating: up to 2½" in soft wood; ¾" in Aluminum; ¼" in Steel. Speed: Low, 2000 strokes per min.; High, 3000 strokes per min. Size: 7" long, height w/o blade, 6⅞". Weight: 4½ lbs. net, 5¾ lbs. ship. 115 or 220 volts AC available only.

Cat. No. 3150 Jig Saw .....each $54.00

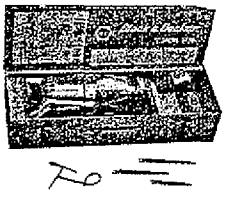
HEAVY-DUTY JIG SAW



Designed for heavy-duty, continuous production operations. Makes bevel cuts up to 1⅜" on either side. Efficiency Rating: up to 2½" in soft wood; ¾" in Aluminum; ¼" in Steel. Speed: 3000 strokes per min. Size: 9¼" long, height w/o blade, 7½". Weight: 6 lbs. net, 7 lbs. ship. 115 or 220 volts available only.

Cat. No. 3155 H.D. Jig Saw .....each $136.00

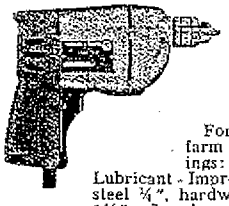
HEAVY-DUTY SABRE SAW KITS



For the mechanic, carpenter or service man who must move his tools from job to job. Includes H.D. Sabre Saw, 5 blades (Nos. 48122, 49098, 49107, 49115 and 49119) and steel Kit Box. Net weight 17 lbs., ship. weight 20 lbs.

Cat. No. 3105	4-Speed Saw w/Kit Box	$119.00
Cat. No. 3103	2-Speed Saw w/Kit Box	103.00
Cat. No. 3101	1-Speed Saw w/Kit Box	103.00

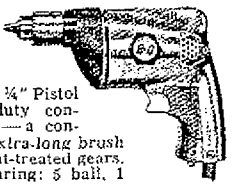
¼" DRILL



For light industry and farm repair jobs. Bearings: 1 Ball-Thrust, 4 Lubricant-Impregnated. Capacity: steel ¼", hardwood ½", hole saws 1⅛". Speed: no load 2250 R.P.M. Length: 7⅞". New weight 3 lbs., shipping weight 3¾ lbs. 115 volt AC only.

No. 1010 Drill .....each $14.00

¼" HEAVY-DUTY HOLGUN® DRILL

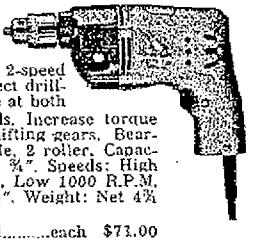


Our highest quality ¼" Pistol Grip Drill. Heavy-duty construction throughout — a continuous-duty drill. Extra-long brush life. Special alloy heat-treated gears. Precision chuck. Bearing: 5 ball, 1 needle.

Catalog No.	1040 $65.00	1060 $76.00
Capacity: Steel	up to ¼"	up to ¾"
Hardwood	up to ½"	up to ½"
Speed: No-load	1700 R.P.M.	600 R.P.M.
Weight: Net	3¼ lbs.	3½ lbs.
Ship	5 lbs.	5 lbs.
Length:	7¾"	8¼"

No. 1041 Standard Unit — 2500 R.P.M. $71.00
No. 1042 Standard Unit — 3500 R.P.M. 71.00
No. 1043 Standard Unit — 5000 R.P.M. 71.00

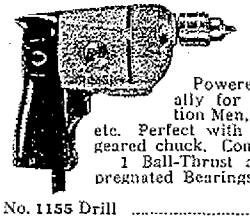
⅜" HEAVY-DUTY VARIABLE SPEED DRILL



Two tools in one. 2-speed shift gives you correct drilling power or torque at both high and low speeds. Increase torque 2½ times just by shifting gears. Bearings: 1 ball, 3 needle, 2 roller. Capacity: steel ⅜", wood ¾". Speeds: High 2500 R.P.M. no-load, Low 1000 R.P.M. no-load. Length: 9½". Weight: Net 4¾ lbs., ship. 5¼ lbs.

Cat. No. 1170 Drill.....each $73.00

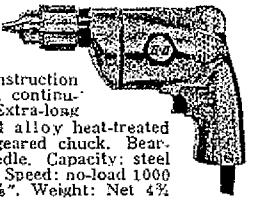
⅜" DRILL



Powered and geared especially for Mechanics, Installation Men, Maintenance Crews, etc. Perfect with hole saws. Quality geared chuck. Comfortable handle. 1 Ball-Thrust and 6 Lubricant Impregnated Bearings.

No. 1155 Drill .....each $23.00

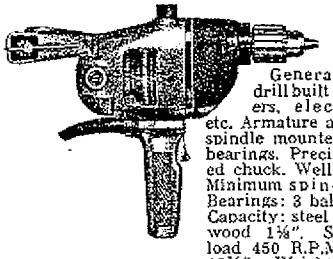
⅜" HEAVY-DUTY HOLGUN® DRILL



Heavy-duty construction throughout . . . a continuous-duty drill. Extra-long brush life. Special alloy heat-treated gears. Precision geared chuck. Bearings: 5 ball, 1 needle. Capacity: steel ⅜", hardwood ¾". Speed: no-load 1000 R.P.M. Length: 8⅝". Weight: Net 4¾ lbs., ship. 5¼ lbs.

Cat. No. 1174 1000 R.P.M. no-load .....each $75.00
Cat. No. 1176 600 R.P.M. no-load .....each 79.00

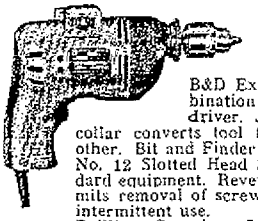
½" HEAVY-DUTY DRILL



General-purpose drill built for plumbers, electricians, etc. Armature and chuck-spindle mounted on ball-bearings. Precision geared chuck. Well balanced. Minimum spindle offset. Bearings: 3 ball, 5 needle. Capacity: steel ½", hardwood 1⅛". Speed: no-load 450 R.P.M. Length: 13½". Weight: net 9¾ lbs., ship. 11¼ lbs.

Cat. No. 1320 Drill ..... each $86.00

⅜" VARIABLE SPEED SCRU-DRILL



B&D Exclusive — a combination Drill and Screwdriver. Just a turn of the collar converts tool from one to the other. Bit and Finder for No. 8 and to No. 12 Slotted Head Screws are standard equipment. Reversing Switch permits removal of screws and nuts. For intermittent use.

Drilling Capacity: Steel — ⅜" Hardwood — ¾".

Screwdriving Capacity: Wood — up to #10 x 1½", Metal — #12 Self-tapping Screws and up to #12 *Machine Screws and Nuts*. Capacity with Hole Saws: ⅝" to 1¼". Masonry Bits up to ½".

No 1575 Comb. Screwdriver & Drill, each $81.00
Length: 9¾". Weight: Net 4 lbs., Shipping 5¼ lbs.

No. 18593 — Repl. Bit & Finder for #8 to #12 Slot. Hd. Screws 3.95

No. 49278 — Magnetic Drill-Screw Chuck. Use for driving self-drilling self-tapping screws with a ¼" hex. head 4.05

SUPER DUTY ROTARY HAMMER



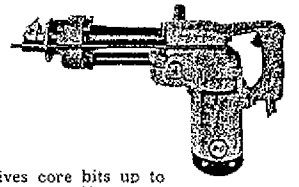
For drilling 4" to 6" holes in reinforced concrete on a continuous production basis. The 2-speed gear shift gives more constant speed with various size bits. The 2-speed power switch matches blows to RPM's, up to 2,800 BPM at 300 or 600 RPM. The built-in oiler with large capacity will go for weeks without refilling. The solid steel tool retaining yoke is mounted on two shock absorbing air springs. The auxiliary handle can be used as a "T" handle for floor drilling. New efficient 12 point drive gives maximum torque and greater tool shank life. External clutch adjustment at front of hammer can be adjusted by hand.

Specifications: Duty Rating: continuous heavy duty use.
Switch: heavy duty double-pole trigger. 115 volt universal motor.
Bearings: 3 ball, 2 roller, 4 needle, 3 lubricant impregnated steel.

Std. Equip.: #60355 pump oiler, #62781 side handle, #58605 handle cushion, #51314 bottle of lubricant, #62821 dust shield and #62820 carrying case.

No.5058 Super Duty Rotary Hammer, each $447.00

HEAVY-DUTY ROTARY HAMMER



Drives core bits up to 6" in diameter. No rig, no water, no experience necessary. Lowest cost per hole of any hammer in its class. Friction Drive prevents operator injury if bit jams in material. Cuts reinforcing rods with core bits. Longest life. Hole Drilling Capacity (percussion carbide bits) ⅜" to 1½", (core bits) 4"; Blows/min. (no-load) 3600, Rated-load RPM 485; 17" long; 19½ lb. net wt.; 29⅞ lb. ship wt.

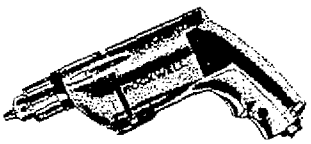
Std. Equip.; depth gauge; tool retaining spring; reversible side handle; 4 oz. can of oil; dust shield; sturdy fiber carrying case; 4 oz. plastic bottle of oil; pump oiler.

Voltages Available (universal motor): 115V or 220V AC/DC.

No. 5050 Heavy-Duty Hammer .....each $354.00

Motors: B&D-built universal for 115V or 220V AC/DC. Specify voltage.

ROCKWELL DRILLS



For extended service on industry and construction trades applications. Ball and needle bearings.

Cat. No.	Speed (RPM)	Motor Amps.	Cap. In. Steel	Cap. In. Wood	Lgth. In.	Each
		¼" Pistol Grip Drills				
774*	1700	3.5	¼	½	9	$49.50
		⅜" Pistol Grip Drills				
776†	1000	3.5	⅜	¾	10	$59.50

For industry and construction trades applications. Ball and needle bearings.

		¼" Pistol Grip Drills				
374*	1700	3.0	¼	½	9	$36.50
		⅜" Pistol Grip Drills				
366*	1000	3.0	⅜	¾	9	$39.50
		½" D-Handle Drills				
758†	500	6.0	½	1	13¾	$ 77.00

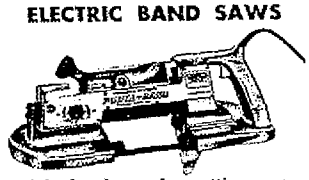


For industry and construction trades applications. Ball and bronze bearings.

358*	560	6.0	½	1	13¾	49.50

*2-stage gear reduction.
†3-stage gear reduction.

ROCKWELL PORTA-BAND PORTABLE ELECTRIC BAND SAWS



Lightweight bandsaws for cutting any material — steel, brass, aluminum, copper, plastic, etc. Handles pipe, channel, castings, cable, lath, rod, etc.

Cuts 3⅝ x 4½ rectangular stock or 3⅝ in. diameter round stock.

Motors: No. 724—Universal type, 115v., 60 cy., AC-DC. No. 726—same as No. 724 except AC only, 230v. motor available at extra cost.

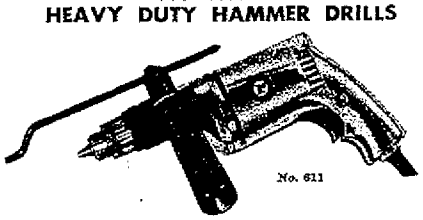
Standard Equipment: Basic machine, blade, lubricant, 3-conductor cord and operating manual.

Cat. No.	Blade Size, In.	Type	Motor Amps.	Speed (SFPM)	Each
726	44⅞	Variable	5.5	80-240	$305.00
724	44⅞	Single	6.5	240	260.00

PORTA-BAND SAW BLADES

Cat. No.	Qty. Per Pkg.	Thickness of Material to be Cut, In.	Teeth Per In.	Per Pkg.
		Carbon Steel		
17YMS	3	1/16 to ¾	10	$5.50
18YMS	3	⅛ to ½	14	5.50
30YMS	3	⅛ to ¾	18	5.50
31YMS	3	¼ to ⅜	24	5.50

ROCKWELL HEAVY DUTY HAMMER DRILLS



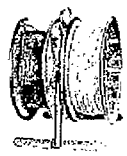
No. 611 with multi-position forward handle contains a powerful 4 amp. motor that delivers 40,000 impacts per minute.

No. 612 with extra powerful 8 amp. motor delivers 24,000 impacts per minute.

Cat. No.	Capacity, In. Concrete	Steel	Wood	Gear Reduction	Lgth. In.	Wt. Lbs.	Each
611	½	⅜	¾	2-Stage	10⅝	5½	$ 75.00
612	1	½	1	2-Stage	15¼	11½	109.50

HYKON WIRE HANDLING EQUIPMENT

DOUBLE UNIT REELS

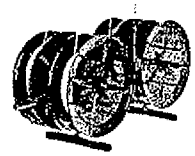


Full coils of wire easily loaded on in 30 seconds to pull free from kinks or snarls. Adjustable for various sizes of building wire, Romex, cable, etc. Turns easily, will not coast.

Cat. No.	Disc. Dia. In.	Shpg. Wt. Lbs.	Each
DU15	15	25	$36.75
DU18	18	30	43.00

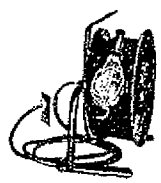
GANG REELS

These reels are indispensible when pulling any number of wires in conduit work on large construction jobs. Needs no watcher; prevent tangles and waste. Handles for carrying at both ends. Reels load and operate as above.



4 Unit Gang Reel Cat. No.	Shpg. Wt. Lbs.	Each	Reel Size In.	6 Unit Gang Reel Cat. No.	Shpg. Wt. Lbs.	Each
4U15	46	$67.00	15	6U15	72	$ 96.50
4U18	58	80.00	18	6U18	90	116.25

EXTENSION CORD REEL



Provides both light and power up to 250 feet away. Ample capacity for power tools. Manual rewind, no springs. Cord won't twist, tangle, or break off. Continuous current collector, lead-in cord and connections for your choice in size and type of cord.

Cat. No.	Reel Size In.	Shpg. Wt. Lbs.	Each
15XC	15	20	$47.75
18XC	18	22	51.25
9XC	9	8	29.50

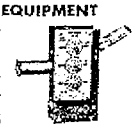
HYKON REELIFT



Quick, easy, safe way to mount bulky, heavy cable reels. No jacks, no tugging or rolling. Slip axle into reel, then TILT UP for pulling cable. One man handles 1000 lb. reel easily; two men can put up a ton or more.

Cat. No.	Description	Wt. Lbs.	Each
RL25	For reels up to 36" dia. and 25" wide..	60	$69.00
RL31	For reels up to 48" dia. and 31" wide..	85	80.00

HYKON WIRE MEASURING EQUIPMENT



Wire meter accurately measures wire, loom, etc. Takes any flexible material up to 1" diameter; registers up to 1000 feet. Easy-to-read dials instantly reset to zero. Built for long life.

No. WM-220 .....each $33.25

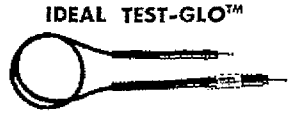
COMPLETE WIRE MEASURING UNIT



Combines Storeroom Reel, Wire Meter, and Take-up Reel for quick, accurate measuring of wire or cable up to 1" diameter. Sturdy welded steel unit takes little floor space. Portable for use on the job.

Cat. No.	Description	Shpg. Wt. Lbs.	Each
SRM-18	Unit complete with 2 Reels and Meter.....	59	$127.25
SRR	Storeroom Reel only.....	40	74.00
TUR	Take-up Reel only 18"...	13	20.00
WM-220	Wire Meter	3½	33.25

IDEAL TEST-GLO™



Circuit tester for 80 to 600V, AC or DC. Long, thin handles permit deep probing and have "no-slip" safety rings. 24" lead wire (rated 10,000V) permits wide span. Cement sealed and moisture proof.

No. 61-040 Test-Glo Tester.....each $3.50

IDEAL VOLTAGE TESTER

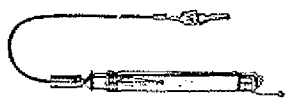


Safest, easiest-to-use voltage tester made. Designed for rugged daily use. Tests for: VOLTAGE (110 to 550V. AC, 110 to 600V. DC), FREQUENCY (25 to 60 Hz.), AC or DC, CIRCUIT CONTINUITY, DC POLARITY, BLOWN FUSES, GROUNDING or LEAKAGE. Ultrasonically sealed case is dust, dirt and moisture proof. Yellow in color for safety. Two separate voltage indicators for double protection. One solenoid indicator with easy-to-read calibrated scale; one neon test lamp. Independent circuitry provides a built-in back-up safety system. Spring-loaded "safety-shields" guard prod tips. Quick-change, plug-in prod and lead assembly, 30" oil-resistant polychloroprene leads. Handy dual prod mounts for testing. Built-in prod storage wells.

Cat. No.	Description	Each
61-065	Tester, 2 prods	$ 9.10
61-066	Tester, 1 prod, 1 ins. clip.....	10.75
61-067	Special Tester†, 2 prods.....	10.25
61-009	Vinyl Plastic Carrying Case.....	1.60
61-010	H-D Leather Carrying Case.....	4.25

†Has all the extra-safe features of above models, plus special current-limiting resistors in each prod. Resistors act as fuses in case of accidental shocks or breakdowns, and limit current in leads to prevent dangerous arcing. Lexan* case.

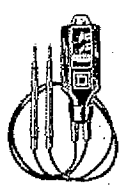
IDEAL CONTINUITY TESTER



Unit is powered with two pen-lite batteries and gives light signal to indicate completed circuit. Has 4' removable cord equipped with alligator clip. 5½" long, weight, 3 oz.

No. 61-030 Tester (less batteries).....each $3.50

SQUARE D VOLTAGE TESTER



The Square D Voltage Tester is the safest, most durable, most dependable voltage tester ever made. It may be dropped, jolted and generally mistreated and yet will still indicate the correct voltage. Both the 5008 (non-fused) and the 5008-S (fused) voltage testers are designed for daily general purpose testing of secondary residential, commercial and industrial circuits with extreme reliability.

APPLICATION: For secondary distribution systems rated from 120-550 volts AC at 60 cycles and from 120-600 volts DC.

SPECIFICATIONS: Mechanism: Solenoid type with magnetic polarity indicating cap. Construction: One piece molded case with slotted receptacle for mounting prods. 28 inch oil resisting rubber covered leads. Easy-to-read, color-coded, non-metallic indicating scale. 6 inch probe with retractable prod cover. Rating: AC — 120-240-480-600 volts, DC — 120-240-600 volts.

Item	Description	Cat. No.	Each
Tester	120-240-480-600 V. AC 60 Hz. 120-240-600 V. DC	5008	$10.50
Tester	Same as 5008 except with Fused Leads	5008S	11.10
Case	Laminated Vinyl	5002	1.32
Case	Leather	5002L	4.80

D.D.F. TEST-A-GLO CIRCUIT TESTERS

POCKET SIZE

A trouble shooting test lamp that indicates AC and DC voltages from 60 to 650 volts.

Completely insulated. No metal eyelets, rivets or clips to cause shock hazard. Glows from end or side.

Can be used for testing spark plugs, household wall switches, appliance cords and appliances, fuses and outlets, hot line or ground.

Test-A-Glo ..... each $.59

OK SPEED-WRAP TOOLS

For Solderless Connections



Speed-Wrap Gun with interchangeable Coiltite bits and sleeves that accommodate the proper size wire and terminal for any application. It is a hand operated precision tool for making perfect solderless electrical connections, designed for production line or field work.

Model G-100 Speed-Wrap Gun each $43.00

Coiltite Bit .....each $12.95



Coiltite Sleeve .....each $5.90

Simple unwrapping tool rapidly removes any solderless wrapped connection.

No. UW-1 Left Hand Unwrap .....each $4.90
No. UW-2 Combination Hand Unwrap each 7.25
No. UW-3 Right Hand Unwrap .....each 4.90



Hand Wire Wrapping Tool which does not require a Speed-Wrap Gun. .....each $16.75

T & B WIRE JOINTS

PIGGY™ WIRE JOINTS

Listed by Underwriters' Laboratories for both Aluminum and Copper.



Twist On With Fingers

Cat. No.	Wire Range Min.	Wire Range Max.	Ctn.	Std. Pkg.	Less Ctn. (Per 100)	Ctn.
PT1	2#18 1#10 & 1#14		100	2000	$ 3.84	$3.00
PT2	2#14 2#10 & 1#12		100	2000	4.80	3.75
PT3	2#12 2#8 & 1#6		50	500	14.72	11.50

STA-KON® WIRE JOINTS



PT69-M PT5-M PT-70

Maximum capacity 3 No. 12 wires, solid or stranded. Approved by Underwriters' Laboratories for circuit and fixture splices. Installs with standard WT-161, WT-100M or WT-1000 Sta-Kon hand tool.

Cat. No.	Description	Ctn.	Std. Pkg.	Less Ctn. (Per 100)	Ctn.
PT66M	Complete Joint	100	1000	$6.56	$5.13
PT60M	Connector only	100	1000	2.88	2.25
PT6M	Insulator only	100	1000	3.68	2.88
	Non-Insulated				
PT70	Connector only	200	2000	$2.72	$2.13
PT80	4 #10 Max.	50	500	7.20	5.63
PT70M	4 #12 Max.	200	2000	2.72	2.13

STA-KON® ONE-PIECE INSULATED PIGTAIL SPLICE



For Use with No. WT-181 Tool

Cat. No.	Size Wire	Ctn.	Std. Pkg.	Less Ctn. (Per 100)	Ctn.
RB-44	2#18 — 2#16	100	2000	$5.44	$4.25
RC-55	4#18 — 2#12	50	2000	8.48	6.63
RP-12	3#14 — 4#12	100	1000	8.48	6.63

INSULATED CONNECTORS



Install with WT-100M, WT-105M or WT-1000 Tool.

Cat. No.	Wire Size Com'l AWG	Ctn.	Std. Pkg.	Less Ctn. (Per 100)	Ctn.
2RA18	#22, #20, #18	100	500	$11.36	$8.88
2RB14	#16, #14	100	1000	11.36	8.88
2RC10	#12, #10	50	500	16.80	13.13

STA-KON® 2-WAY CONNECTORS



For use with Stock Tools WT-100M; WT-111M, WT-1000 and WT-115*.

Cat. No.	Wire Size (Com'l AWG) Each End	Ctn.	Std. Pkg.	Less Ctn. (Per 100)	Ctn.
2A18	#22 to #18	100	2000	$6.56	$5.13
2B14	#20 to #14	100	2000	6.56	5.13
2C10	#16 to #10	50	2000	9.12	7.13
*2D8	#9, #8, #7	25	250	22.24	17.38
*2E6	#6, #5	20	200	31.04	24.25
*2F4	#4, #3	15	150	44.16	34.50
*2G21	#2, #1	5	50	58.40	45.63

MUELLER CLIPS



No. 28-C



No. 85 Crocodile Clip

Cat. No.	Amps.	Lgth. In.	Each	10 Each	100 Each
11-C	200	6	$2.65	$1.85	$1.59
11-A	100	6	1.44	1.01	.86
21-C	100	4½	1.34	.94	.80
21-A	50	4	.52	.36	.31
25	40	3	.24	.165	.142
25-C	75	3	.51	.36	.304
27	20	2⅞	.18	.12	.104
27-C	40	2⅞	.31	.218	.187
45	5	1½	.10	.068	.058
48-B	10	2	.15	.103	.089
48-C	20	2	.22	.15	.13
50-C	20	2¼	.36	.25	.213
85	5	2⅛	.12	.084	.072

CLIP INSULATORS

Cat. No.	For Clips Nos.	Each	10 Each	100 Each
13	11-C, 11-A	$.86	$.60	$.52
23	21-C, 21-A	.47	.33	.28
26	25, 25-C	.29	.20	.172
29	27, 27-C	.19	.134	.115
47	45	.08	.052	.045
49	48-B, 48-C, 50-C	.12	.085	.073
87	85	.08	.052	.045

IDEAL WIRE CONNECTORS

WING-NUTS



Wings act as wrench. Spring insert adapts to shape and size of wires. Color-coded nylon insulator. U.L. approved for AL/CU, AL/AL and CU/CU, 600V. pressure cable; 105°C.

No.	Wire Size	Pack Ctn./Pkg.	Per 100
451 (Yellow)	18–12	100/1000	$2.95
452 (Red)	16–10	100/1000	3.95
453 (Blue)	12–6	50/500	11.75
455 (Gray)	14—8	100/1000	7.90

WIRE-NUTS®



Nos. 71B and 72B have U.L. approval as 300V. fixture connectors — 73B has 600V. approval. Nos. 74B, 76B and 78B are U.L. approved for AL/CU, AL/AL and CU/CU; 600V. pressure type; 105°C.

No.	Wire Size	Pack Ctn./Pkg.	Per 100
71B (Black)	18—16	100/1000	$1.05
72B (Black)	18—14	100/1000	1.25
73B (Orange)	18—14	100/1000	1.55
74B (Yellow)	18—12	100/1000	1.90
76B (Red)	18—10	100/1000	3.20
78B (Gray)	14—8	50/500	5.40

CRIMP SLEEVE AND WRAP-CAP® INSULATOR



Bright zinc plated steel sleeve for maximum holding power. Two sizes handle any combination. Wrap-Cap insulates all around the joint and between wires. U.L. approved as 600V. pressure cable connectors. 75°C. rating.

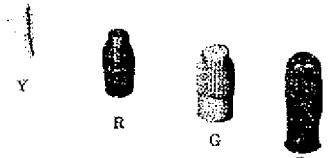
No.	Wire Sizes	Per 100
410	Sleeve (18-10)	$1.65
412	Sleeve (18-4)	4.25
415	Insulator (for 410)	2.35
417	Insulator (for 412)	4.60

CRIMP TOOL



No. 30-425 .....each $5.85

"SCOTCHLOK" SPRING CONNECTORS



Type	Wire Range	Connectors Per Box Preinsulated	Per Box 1-9 Boxes
Y	18-12	100	$2.98
R	16-10	100	3.95
G	14-8	100	7.97
B	12-6	100	11.84

IDEAL T-TYPE WIRE STRIPPERS



T-5 Model

A handy addition to every electrician's tool kit Sturdy, compact, constructed of hardened steel for rugged duty and long service. Comfortable plastic grips for sure handling and safety. Strips wires from 10 to 18 gauge solid conductors. Also used for cutting and "looping" wires. Overall size: 6". Flat design for convenient fit in pocket or Tool Kit. No. 45–120 .....each $2.35

IDEAL FUSE PULLERS

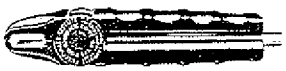
Safe-T-Grip®



Ideal Safe-T-Grip Fuse Pullers have notched edges which give a sure grip, eliminating any possibility of slipping. Eliminates the danger of pulling and replacing cartridge fuses by hand and the bending of fuse clips through improper removal. Also adapted for adjusting loose cutout clips, handling electrical parts, etc.

Size	Description	Each
34–001	Midget For Small Fuses, ¼ to ½-inch in Diameter	$0.60
34–002	Pocket 0 to 200-Amp., 250-Volt, and 1 to 100-Amp., 600-Volt	1.35
34–003	Giant 100 to 600-Amp. 250-Volt and 60 to 400-Amp., 600-Volt	3.50

IDEAL FUSE PULLER AND TESTLITE



Handy tool for maximum safety in pulling cartridge type fuses and checking electrical connections. Made of sturdy dielectric plastic. One end serves as a sure-grip fuse puller; test prods on the opposite end fit both parallel and tandem slot receptacles. Designed for use on fuses up to 100 amp., 250 volts and 60 amp., 600 volts. Test capacity from 100 volts to 600 volts AC or DC.

Cat. No.	Description	Each
34-012	Fuse Puller and Testlite only	$3.80
34-013	One 30" Lead w/Test Prod.	1.60
34-014	One 30" Lead w/Insulated Clip	1.60

IDEAL NYLON COVERED FISH TAPE



Nylon-insulated Round Fish Tape gives more protection to workmen and equipment than bare fish tape when pulling new wires into live panelboards, switches and other "hot" equipment. Wire is .080 in. in diameter and nylon is .020 in. thick. For easy turning and swiveling, tape has special Fish Tape Ball.

Cat. No.	Description	Length Feet	Shpg. Wt. Lbs.	Each
31-211	Tape & Reel	100	4¾	$20.75
31-215	Tape & Ball	50	1⅞	10.00
31-216	Tape & Ball	100	2⅞	14.80
31-217	Tape & Ball	200	4⅝	28.80

IDEAL ELECTRIC MARKERS

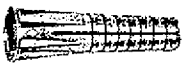


Permanently marks metal, glass, stone, ceramics, plastics, hard rubber, wood, etc. Vibrates at 7200 strokes per minute. Has integral on-off switch and heavy duty industrial type cord. Unique internal construction reduces "bouncing" tendency. Powerful coil provides stronger stroke — won't stall under normal heavy operation. Adjusting wheel varies impact force and length of stroke for marking different materials. Order carbide tipped point for average marking, diamond point for extra hard materials (50 to 64 Rockwell, Scale C). Points are interchangeable. Marker size: 6¾" x 1¾" x 1⅜". Shipping weight 13 oz.

Cat. No.	Description	Each
	120 Volts, 60 Cycles	
11-111	Marker w/Carbide Tipped Point	$ 9.95
11-112	Marker w/Diamond Point	13.95
11-113	Marker w/Carbide Tipped Point (3-cond. grounded cord & plug)	11.00
11-114	Marker w/Diamond Point (3-cond. grounded cord & plug)	15.00
L-7843	Replacement Carbide Tipped Point	1.65
L-7844	Replacement Diamond Point	5.65

MASONRY AND HOLLOW WALL FASTENERS

PLASTIC ANCHORS



Uses: Light loads — drapery fixtures, telephone and electrical installations.

Catalog No. Diamond	Catalog No. Rawl	Lgth. In.	Screw Sizes	Drill Size In.	No. Per Ctn.	Per 100
08210	7519	1	6, 8, 10	3/16	1000	$1.06
08220	7529	1	10, 12	1/4	1000	1.33
08230	7539	1 1/2	14, 16	3/16	500	1.95

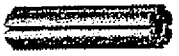
PLASTIC ANCHOR KITS



100 anchors and 100 sheet metal screws per kit.

Catalog No. Diamond	Catalog No. Rawl	Anchor Size	Diamide Drill	Screw Size	Per Kit
58210-8	8933	#1	1/8"	#8x1"	$5.15
58220-10	8935	#2	1/4"	#10x1"	6.75
58220-12	8937	#2	1/4"	#12x1"	6.75

PLASTI-SLEV



Diamond Cat. No.	Size	Drill Size In.	No. Per Box	No. Per Ctn.	Wt. Lbs. Per 1000	Per 100
09310	6-8 x 3/8"	3/16	100	1000	1	$1.52
09320	8-10-12 x 1"	1/4	100	1000	2	2.39
09330	12-14 x 1 1/4"	5/16	50	500	3 1/2	3.44

No. 59321 Plasti-Slev Kit—100-#8-10-12x1" Plasti-Slev anchors, 100-#10x1" sheet metal pan head screws and 1—1/4" carbide tipped masonry drill - per kit $4.27

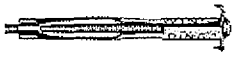
LEAD SCREW ANCHORS



Uses: Light loads — bathroom fixtures, telephone installations.

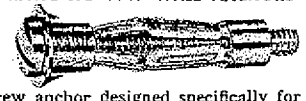
Catalog No. Diamond	Catalog No. Rawl	Screw Size	Drill Size In.	No. Per Ctn.	Wt. Lbs. Per 100	Per 100
05212	9410	6-8 x 3/4"	1/4	1000	1	$4.33
05216	9415	6-8 x 1"	1/4	1000	1 3/4	4.33
05224	9420	6-8 x 1 1/2	1/4	1000	1 3/4	4.88
05312	....	10-14 x 3/4"	5/16	1000	1 1/2	4.76
05316	9430	10-14 x 1"	5/16	1000	1 3/4	4.98
05324	9440	10-14 x 1 1/2"	5/16	1000	2 1/2	6.50
05516	....	16-18 x 1"	3/8	1000	2 3/4	5.97
05524	9460	16-18 x 1 1/2"	3/8	1000	4	7.56
05628	9470	20-24 x 1 3/4"	7/16	500	5 1/4	9.74

DIAMOND HOLLOW WALL ANCHORS



Cat. No.	Size	Dimens., In. Hole dia.	Lgth.	For Walls In.	Std. Pkg.	Per 100
79211	4SS	1/4	1	1/8 to 3/8	50	$5.42
79204	4SM	1/4	1 1/8	3/8 to 3/4	50	7.44
79224	4SL	1/4	2	1/8 to 3/4	50	7.51
79244	4LL	1/4	2 1/2	3/8 to 1 1/4	50	8.00
79231	5SL	1/8	2 3/4	1/4 to 1 1/4	25	10.66

RAWL HOLLOW WALL ANCHORS



A screw anchor designed specifically for use in hollow materials, such as plaster, sheet-rock, cinder block, hollow tile, etc.

Rawl Cat. No.	Size	Rawldrill Size and Diam.	Pcs. Per Box	Per 100
2101	1/8 Short	#16 (1/4")	100	$5.88
2102	1/8 Long	#16 (1/4")	100	6.05
2103	3/8 Extra Long	#16 (1/4")	50	7.84
2111	1/8 Short	#20 (3/8")	50	9.15
2112	1/8 Long	#20 (3/8")	50	9.31
2113	1/8 Extra Long	#20 (3/8")	25	10.45
2121	1/4 Short	1/4"	50	9.48
2122	1/4 Long	1/4"	25	9.64
2123	1/4 Extra Long	1/4"	25	11.75

RAWLPLUGS



FIBR-SLEV®

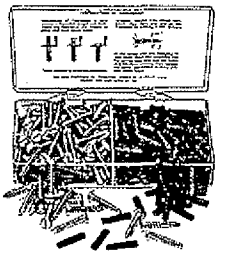


Jute Fiber Screw Anchors

Made of braided jute, nature's toughest fiber. Can be used in any masonry material.

Catalog No. Rawl	Catalog No. Diamond	Size	Drill Size	No. Per Ctn.	Wt. Lbs. Per 1000	Per 100
9001	90610	6 x 3/8"	#6	1000	1	$2.16
9003	90612	6 x 3/4"	#6	1000	1 1/4	2.24
9005	90616	6 x 1"	#6	1000	1 1/2	2.40
9009	90810	8 x 3/8"	#8	1000	1 1/2	2.48
9011	90812	8 x 3/4"	#8	1000	1 3/4	2.56
9013	90816	8 x 1"	#8	1000	2	2.72
9017	90824	8 x 1 1/2"	#8	1000	2 1/4	3.04
9024	91012	10 x 3/4"	#10	1000	1 3/4	2.72
9026	91016	10 x 1"	#10	1000	2 1/4	3.04
9028	91020	10 x 1 1/4"	#10	1000	2 1/2	3.36
9030	91024	10 x 1 1/2"	#10	1000	3	3.68
9037	91212	12 x 3/4"	#12	1000	2 1/4	3.36
9039	91216	12 x 1"	#12	1000	3	3.68
9041	91220	12 x 1 1/4"	#12	1000	3 1/2	4.00
9043	91224	12 x 1 1/2"	#12	1000	4	4.32
9050	91416	14 x 1"	#14	1000	4	4.32
9052	91420	14 x 1 1/4"	#14	1000	4 1/2	4.80
9054	91424	14 x 1 1/2"	#14	1000	5 1/4	5.28
9056	91432	14 x 2"	#14	500	6 3/4	6.24
9061	91616	16 x 1"	5/16"	500	5	4.88
9063	91624	16 x 1 1/2"	5/16"	250	7 3/4	6.08
9065	91632	16 x 2"	5/16"	250	8	7.28
9070	92016	20 x 1"	3/8"	500	6	7.20
9072	92024	20 x 1 1/2"	3/8"	250	9	8.80
9074	92032	20 x 2"	3/8"	250	12 1/2	10.40

CONTRACTOR'S KIT



Kit No. R-8 Contents: 100 #8 x 1" Rawlplugs; 100 #8 x 1" screws; 1 #8 (11/64") carbide drill.

Kit No. R-10 Contents: 100 #10 x 1" Rawlplugs; 100 #10x1" screws; 1 #10 (3/16") carbide drill.

Kit No. R-12 Contents: 100 #12 x 1" Rawlplugs; 100 #12 x 1 3/4" screws; 1 #12 (1/4") carbide drill.

Rawl Cat. No.	Kit No. & Size	Each	Rawl Cat. No.	Kit No. & Size	Each
8977	R-8 (#8)	$4.13	8987	R-12 (#12)	5.40
8982	R-10 (#10)	4.60	.....	.....	.....

CALKING ANCHORS



Uses: Medium loads — electrical installations, plumbing fixtures.

Catalog No. Diamond	Catalog No. Rawl	Size, In. Bolt Dia.	Drill	No. Per Ctn.	Ctn. Wt. Lbs.	Per 100
03020*	9200	6-32	1/4	1000	5 1/2	$7.50
03025*	9205	8-32	1/4	1000	8 1/2	8.10
03030	9210	10-24	5/16	500	9 1/2	8.41
03035*	9215	12-24	1/4	500	14	10.64
03040	9220	1/4-20	1/2	500	22 1/4	12.32
03050	9225	1/4-18	5/8	500	41 3/4	16.81
03060	9230	5/16-16	3/4	250	32 1/4	22.41
03080	9240	1/2-13	7/8	250	44 1/2	29.12
03100	9245	5/8-11	1 1/8	100	42 3/4	56.04
03120	9250	3/4-10	1 1/4	50	27 1/4	84.02

*Not available as Rod Seal.
Each box packed with calking tool.

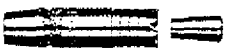
HAMMER DRIVE NAILINS



Catalog No. Diamond	Catalog No. Rawl	Size, Inches Dia. & Lgth.	Drill	No. Per Ctn.	Wt. Lbs. Per 100	Per 100
04314	2802	3/16 x 7/8	1/4	1000	1	$4.68
04320	.....	1/4 x 1 1/4	1/4	1000	1 1/4	5.85
04416	2808	1/4 x 1	1/4	1000	1 1/2	7.62
04420	2814	1/4 x 1 1/4	1/4	1000	2	8.19
04424	2820	1/4 x 1 1/2	1/4	1000	2 1/2	10.34
04520	.....	1/4 x 1 1/4	1/4	1000	2 3/4	12.06
04528	.....	1/4 x 1 3/4	1/4	500	3 1/2	13.79
04536	.....	1/4 x 2 1/4	1/4	500	4 1/2	15.50
04544	.....	1/4 x 2 3/4	1/4	500	5	18.93
04632	.....	3/8 x 2	3/8	500	6 1/2	20.64
04652	.....	3/8 x 3 1/4	3/8	500	8 3/4	32.55
04836	.....	1/2 x 2 1/4	1/2	250	11 1/2	43.94
04856	.....	1/2 x 3 1/2	1/2	250	15 1/2	53.20

SELF DRILLING ANCHORS

SNAP-OFF FLUSH TYPE



Catalog No. Rawl	Catalog No. Diamond	Size, Inches Bolt Dia.	Shell O.D.	Shell Lgth. in Concrete	Dpth. of Thrds.	Per 100
6003	00103	1/4	3/8	1 3/32	5/8	$15.86
6004	00104	1/4	3/8	1 3/32	5/8	15.86
6005	00105	1/4	3/8	1 3/32	5/8	19.24
6006	00106	5/16	3/8	1 3/32	11/16	24.73
6008	00108	1/2	11/16	2	7/8	37.05
6010	00110	5/8	7/8	2 11/32	1 1/4	60.64
6012	00112	3/4	1	3 5/32	1 1/4	93.27
6014	00114	7/8	1 1/16	3 11/32	1 1/2	126.60

FLUSH TYPE



Catalog No. Rawl	Catalog No. Diamond	Size, Inches Bolt Dia.	Shell O.D.	Shell Lgth.	Dpth. of Threads	Per 100
6104	00204	1/4	3/8	1 3/32	5/8	$14.53
6105	00205	5/16	3/8	1 5/32	5/8	17.38
6106	00206	3/8	3/8	1 11/32	11/16	23.22
6108	00208	1/2	11/16	2	7/8	35.11
6110	00210	5/8	7/8	2 7/32	1 1/4	50.88
6112	00212	3/4	1	3 1/4	1 1/4	81.47

HEAVY DUTY MACHINE BOLT ANCHORS



Catalog No. Diamond	Catalog No. Rawl	Size Inches	No. Per Ctn.	Ctn. Wt. Lbs.	Per 100
.....	9310	3/8	1000	9	$9.60
01704	9320	1/2	500	17 3/4	11.22
.....	9330	5/8	500	27 1/2	13.93
01706	9340	3/8	250	17 3/4	15.54
01708	9350	1/2	125	12 1/2	24.12
01710	9360	5/8	125	20 1/4	35.86
01712	....	3/4	50	12 1/2	51.57

LAG-SHIELDS



Uses: Vibration free loads — outdoor signs, fire escapes.

Catalog No. Diamond	Catalog No. Rawl	Size, In. Lag Dia.	Drill	No. Per Ctn.	Wt. Lbs. Per 100	Per 100
			Short			
01004	1051	1/4	1/2	500	2	$12.31
01005	1101	5/16	1/2	500	2 1/2	14.78
01006	1151	3/8	5/8	500	6 1/2	20.53
01008	1201	1/2	3/4	250	8	31.22
01010	1251	5/8	7/8	125	12 1/2	36.98
01012	1301	3/4	1 1/8	100	20 1/2	53.41
			Long			
01104	1055	1/4	1/2	500	4	13.19
01105	1105	5/16	1/2	500	3 3/4	15.83
01106	1155	3/8	5/8	250	8 1/4	21.99
01108	1205	1/2	3/4	250	15 1/2	33.43
01110	1255	5/8	7/8	125	23	39.59
01112	1305	3/4	1 1/8	100	37	57.18

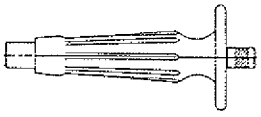
TOGGLE BOLTS



Catalog No. Rawl	Catalog No. Diamond	Std. Pkg.	Size, Inches Dia.	Lgth.	Drill	Wt. Lbs. Per 100	Per 100
4021	70221	500	1/8	x 2	3/16	1 1/2	$10.10
4031	70231	500	1/8	x 3	3/16	1 3/4	11.38
4041	70241	500	1/8	x 4	3/16	2 1/4	12.64
4121	70321	500	1/4	x 2	1/4	3 1/2	10.74
4131	70331	500	1/4	x 3	1/4	4	11.99
4141	70341	500	1/4	x 4	1/4	4 1/2	12.64
4151	70351	500	1/4	x 5	1/4	5	15.16
4161	70361	500	1/4	x 6	1/4	6 1/2	15.80
4231	70431	500	1/4	x 3	5/16	7	13.28
4241	70441	500	1/4	x 4	5/16	8	13.89
4251	70451	500	1/4	x 5	5/16	9	17.70
4261	70461	500	1/4	x 6	5/16	10	19.60
4331	70531	250	5/16	x 3	3/8	11	20.21
4341	70541	250	5/16	x 4	3/8	13	21.50
4351	70551	250	5/16	x 5	3/8	15	27.17
4361	70561	250	5/16	x 6	3/8	17	29.06
4431	70631	250	3/8	x 3	3/8	17	26.54
4441	70641	250	3/8	x 4	3/8	19	29.06
4451	70651	125	3/8	x 5	3/8	22	36.01
4461	70661	125	3/8	x 6	3/8	25	37.03
4541	70841	125	1/2	x 4	1/2	42	51.19
4561	70881	125	1/2	x 8	1/2	51	74.57

DIAMOND AND RAMSET FASTENING DEVICES

HAMMER DRIVE TOOLS



Fasten direct, eliminate drilling. Sets ¼" dia. drive pins, threaded studs, wire loop fasteners.

Cat. No.		Each
t-360	With drill holder — Sure-Set®	$11.50
t-375	Without drill holder — Sure-Set®	10.60
.1111	Yellow handle — Diamond	4.95

SHURE-SET® ENGINEER'S HAMMER

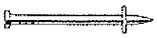


Floating action, non-slip rubber grip, force-forged head provide superior quality in the most useful hammer made.

Cat. No.		Each
H-131	Shure-Set	$4.30

FASTENERS FOR HAMMER DRIVE AND LOW VELOCITY TOOLS

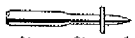
¼" FLAT HEAD DRIVE PINS



Ramset® Nos.	Diamond Nos.	Lgth. In.	Shank Dia. In.	Std. Pkg.	Per 100
P-204	10040	½	⅛	100	$5.70
P-205*	10051*	¾	⅛	100	6.00
P-206	10041	¾	⅛	100	6.00
P-208	10042	1	⅛	100	7.95
P-210	10043	1¼	⅛	100	9.15
P-212	10044	1½	⅛	100	10.90
P-214	10045	2	⅛	100	11.75
P-216	10046	2½	⅛	100	12.90
P-218	10047	3	⅛	100	13.95
P-224	.....	3	⅛	100	13.95

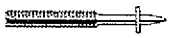
*With special ¼" Dia. Plastic Washer.

¼" WIRE LOOP FASTENERS



PW-206	10101	1⅜	¾	⅛	100	$8.65
PW-208	10102	1⅝	1	⅛	100	9.70
.....	10103	1⅞	1¼	⅛	100	9.60

¼-20 THREADED STUDS



Ramset® Nos.	Shank Lgth. In.	Thread Lgth. In.	Shank Dia. In.	Std. Pkg.	Per 100
1432W	¾	½	⅛	100	$13.05
1442W	1	½	⅛	100	13.45
1443W	1	¾	⅛	100	13.75
1444W	1	1	⅛	100	14.05
1445W	1	1¼	⅛	100	14.40
1452W	1¼	½	⅛	100	13.75
1454W	1¼	1	⅛	100	14.40
Diamond Nos.	O.A. Lgth. In.	Thread Lgth. In.	Shank Dia. In.	Std. Pkg.	Per 100
20072	1	¼	⅛	100	11.95
20073	1¼	½	⅛	100	12.25
20074	1½	½	⅛	100	12.60
20075	2¼	1¼	⅛	100	13.50
20076	2½	1¼	⅛	100	13.75
20077	1½	⅜	⅛	100	12.75

WIRE LOOPS



Ramset® Nos.	Diamond Nos.	Size In.	Std. Pkg.	Per 100
W-1	00120	½	100	$1.10
W-2	00121	⅝	100	2.15
W-3	00122	⅞	100	3.20
W-4	00123	1¼	100	4.30

CONDUIT CLIPS

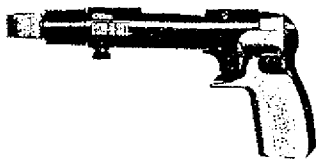


Thinwall

Ramset® Nos.	Diamond Nos.	Size Inches	Std. Pkg.	Per 100
1160	06150	½	100	$3.15
1161	06175	¾	100	3.60
1162	06200	1	100	4.15
		Heavywall		
1163	.....	½	100	3.50

LOW VELOCITY POWDER ACTUATED PISTON TOOLS

RAMSET® POW-R-SET® MODEL 4132



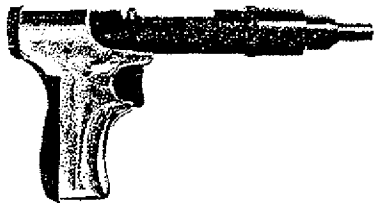
Complete with wrench, goggles, brushes, wiping cloth and deluxe metal carrying case, each $225.00

POWDER CHARGES

Charges are packaged five boxes of 100 loads of one power level only in a master unit that includes one FREE replacement Piston Rod (Part No. 417-306.)

Cat. No.		Per 100
12CW	Grey Power Level	$5.70
22CW	Brown Power Level	5.70
32CW	Green Power Level	5.70
42CW	Yellow Power Level	5.70

DIAMOND MODEL 00190



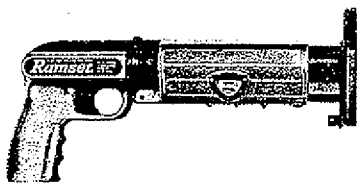
Compact, lightweight, easy to use. Designed especially for light and medium jobs. Drives pins up to 3" long. Complete with tool box, goggles, spare piston and cleaning tools .....each $229.00

POWDER CHARGES

Cat. No.		Per 100
60125	Minimum — Grey	$5.35
60225	Sub-Light — Brown	5.35
60325	Light — Green	5.35

STANDARD VELOCITY POWER ACTUATED TOOLS

RAMSET® JOBMASTER



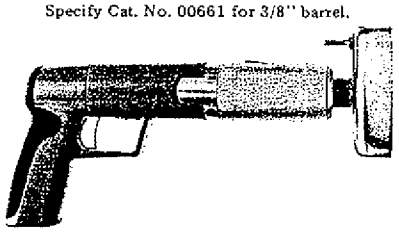
.22 Caliber

Nos.		Each
2036	With ¼" Barrel	$134.75
2039	With ⅜" Barrel	134.75
2033	With ¼" and ⅜" Barrels	159.50

*Price includes case.

DIAMOND MODEL 00660*

Specify Cat. No. 00661 for 3/8" barrel.



Similar to Model D440 except uses breech plugs instead of cartridge ejector. Has ¼" or ⅜" barrels which drive all but the heaviest ⅜" drive pins. Equipped with ¼" barrel unless ⅜" is specified.

.....each $124.95*

*Price includes case.

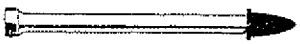
CONVERSION KIT for converting D550 to ¼" or ⅜" barrel .....each $38.50*

POWDER CHARGES FOR HIGH VELOCITY TOOLS

Ramset® Nos.	Diamond Nos.	Charge Size	Color	Per 100
		.22 Caliber		
322W	50322	Light	Green	$6.60
422W	50422	Medium	Yellow	6.60
522W	50522	Heavy	Red	6.60
622W	50622	Extra Heavy	Purple	6.60
		.25 Caliber		
625W	50625	Heavy	Purple	6.60
725W	50725	Extra Heavy	Grey	6.60

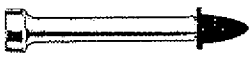
FASTENERS FOR HIGH VELOCITY TOOLS

¼" DRIVE PINS



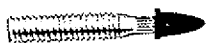
Ramset® Nos.	Diamond Nos.	Length Inches	Shank Dia., In.	Std. Pkg.	Per 100
2325	10500	⅞	.22	100	$12.00
2327	10502	1⅛	.22	100	12.60
2327A	.....	1⅛	.27	100	12.60
2328	.....	1⅜	.22	100	13.10
2328A	.....	1⅜	.27	100	13.10
2328B	.....	1⅜	.27	100	13.10
2329	.....	2⅛	.22	100	14.30
2329A	.....	2⅛	.27	100	14.30
2330	10510	3⅛	.22	100	15.40
2330A	.....	3⅛	.27	100	15.40
2332	.....	1⅜	⅛	100	13.15
2333	.....	2⅛	⅛	100	14.35
2334	.....	3⅛	⅛	100	15.40
2335	10504	1⅝	.22	100	13.70
2335A	.....	1⅝	.27	100	13.70
.....	10506	2⅝	.22	100	13.50
2337	10508	2⅝	.22	100	14.85
2337A	.....	2⅝	.27	100	14.85

⅜" DRIVE PINS



Ramset® Nos.	Diamond Nos.	Length Inches	Shank Dia., In.	Std. Pkg.	Per 100
3316	.....	1⅞	.22	100	$17.70
3317	.....	1⅞	.27	100	16.60
3329	10806	2⅛	.27	100	15.40
3330	10810	3⅛	.27	100	16.60
3331	.....	1⅜	.22	100	12.60
3332	.....	1⅝	.22	100	14.85
3333	.....	2⅛	.22	100	15.40
.....	10802	1⅝	.27	100	13.95
3335	10804	1⅝	.27	100	14.85
3336	.....	1⅜	.22	100	14.30
3337	10808	2⅝	.27	100	15.05
3340	.....	4⅛	.27	100	19.95
3345	.....	2⅜	.22	100	16.60
3348	.....	3⅞	.22	100	19.40

¼-20 THREADED STUDS



Ramset® Nos.	Diamond Nos.	Shank Lgth.	Thread Lgth.	Shank Dia.	Std. Pkg.	Per 100
2401	20712	¾	⅜	.22	100	$13.70
2402	20714	¾	⅝	.27	100	14.85
2403	20718	¾	1	.27	100	15.95
2404	.....	¾	1¼	.27	100	17.10
2409	.....	1½	½	.27	100	20.55
2411	.....	1¾	1	.27	100	21.10
2426	20700	1¼	⅜	.27	100	15.95
2427	.....	1	⅝	.27	100	16.60
2427B	.....	1	⅝	.27	100	16.60
2428	20702	1¼	⅝	.27	100	16.60
2428B	.....	1¼	⅝	.27	100	16.60
.....	20708	1¾	⅞	.27	100	16.50
.....	20716	1⅞	¾	.27	100	14.00
2429	.....	1¼	1	.27	100	17.10
2429B	.....	1¼	1	.27	100	17.10
2430	20704	1¼	1¼	.27	100	17.70
2430B	.....	1¼	1¼	.27	100	17.70
2431	20706	2	1¼	.27	100	21.10
2431B	.....	1¼	2	.27	100	21.10

⅜" THREADED STUDS



3436	.....	1⅝	¾	¼	100	21.70
3437	.....	1⅞	¾	¼	100	21.70
.....	20900	2⅛	1	.27	100	20.50
.....	20902	2⅛	1	.27	100	21.50
3438	.....	1¼	1¼	¼	100	21.70
3439	.....	1⅝	1¼	¼	100	21.80
3440	.....	2⅝	1¼	¼	100	25.10
.....	20910	3⅛	1¼	¼	100	23.00
3441	.....	1¼	¾	¼	100	20.55
3443	.....	2⅜	2	¼	100	27.40

TURNER PRODUCTS



MODEL HT-555 PROPANE TORCH

The world's hottest propane torch, featuring the new final filtering orifice. Includes fuel cylinder and new, hot standard pencil point burner assembly.
Cat. No. HT-555 .....each $ 9.09

MODEL HT-90 PROPANE TORCH KIT



This kit includes 3 burner tips, standard pencil point burner tip, large and precision pencil point tips. Has fuel cylinder, spark-lighter, 3rd hand fuel cylinder support and large steel tool chest.
Cat. No. HT-90.....
.....each $14.95



MODEL LP-175 PROPANE FUEL CYLINDER

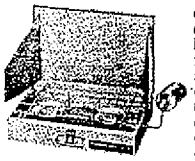
Disposable propane fuel cylinder fils all make torches.
Cat. No. LP-175 .....each $1.99

MODEL LP-4A PROPANE LANTERN



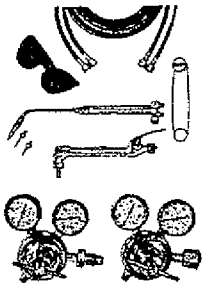
Single-mantle propane lantern. The perfect lantern for every camper. Ideal as an emergency light too. Has light intensity equivalent to a 125 watt lamp. Light intensity is completely adjustable.
Cat. No. each $14.95

MODEL LP-3030B CAMPSTOVE



A two-burner, single fuel cylinder model. Only 16 inches x 11 inches in size, yet large enough to deliver the performance every camper appreciates. Includes exclusively Temp-A-Trol for maximum performance even at high altitudes or cold weather. Fuel included.
Cat. No. LP-3030B.....
.....each $26.99

MODEL W-17 WELDING OUTFIT

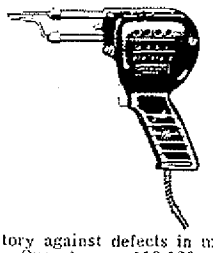


Makes welds up to ¼" and handles cutting jobs up to 1½". Complete outfit includes, welding handle and mixer, cutting attachment, single stage oxygen regulator, single stage acetylene regulator, series welding tips nos. 1, 4, and 8, series cutting tip size #1, goggles, sparklighter, 12½' ¼" duoweld hose, welding tip extension.
Cat. No. W-17.....
.....each $130.00

WEN ELECTRIC SOLDERING GUNS

MODEL 250

Transformer Type—250 Watts



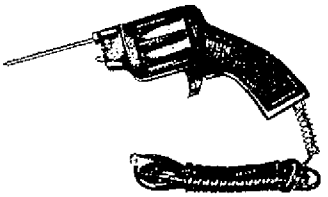
Heats in 3 to 5 seconds when trigger is pressed, cools quickly when trigger is released.
Built-in spotlight automatically illuminates work area. Long tips reach into tight places. Rigid tips stay tinned and are easily replaced.
Sturdily constructed; handle and case heat and shock-resistant. U.L. approved and guaranteed for one year by factory against defects in material or workmanship.
Operates on 110-120 volts, 60 cycles AC only. Long cord and plug. One in a display box, three in a carton.

Cat. No.	Watts	Wt. Lbs. Each	Wt. Lbs. Ctn.	Each
250	250	3½	12	$10.24

Extra Tips

Cat. No.	Description	Each
25-A-4	Soldering	$0.26
25 x 20	Long life Ferraloy	.45
25-C1	Plastic tile cutting	.45
25-F33	Flat iron	.52
U-4	Universal fine soldering	.60

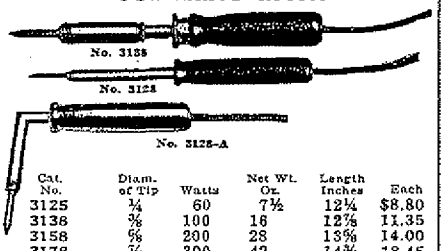
MODEL 75 SOLDERING PISTOL



The Pistol draws only enough current to maintain maximum heat in the tip. A surge of 50 watts brings tip to working temperature in seconds . . . then only 30 watts are needed under normal operating conditions. When tip is placed against an unusually large cold mass, ATR automatically triggers more watts until the mass is properly heated.
Operates on 120 volt AC. Pistol weight, w/cord 1½ lbs. 6 in carton, individually "skin" packed or boxed, 9½ lbs. U.L. and CSA approved.

Cat. No.	Description	Each
75	Soldering Pistol	$4.29
75B7	Fine Point Tip	.80

AMERICAN BEAUTY ELECTRIC SOLDERING IRONS



Cat. No.	Diam. of Tip	Watts	Net Wt. Oz.	Length Inches	Each
3125	¼	60	7½	12¼	$8.80
3138	⅜	100	16	12⅞	11.35
3158	⅝	200	28	13⅝	14.00
3178	⅞	300	42	14⅜	18.45
3198	1⅛	550	60	15	22.85
3128	¼	60	7½	12¼	8.00
3125A	¼	60	10	.....	$9.60
3128A	¼	60	10	.....	8.70
3138A	⅜	100	16	.....	12.25

Available in standard voltages and for 32 volts. No. 3138 also made for 6, 12, 24 and 64 volts. Also 130- and 150-watt input.
All can be equipped with 3-conductor cord, one wire grounded, at extra cost.
Separate heat-insulating stand supplied with each iron except No. 3138A.

KESTER SOLDER

KESTER SOLID WIRE SOLDER

Uniform in gauge and alloy.

% Tin	Per Pound Spool 1#	5#	20#	50#
40	$1.53	$1.48	$1.45	$1.45
50	1.77	1.72	1.69	1.69
60	2.15	2.09	2.07	2.07
30	1.33	1.28	1.25	1.25



KESTER BAR SOLDER



Best of metals used. Definite alloy-marking. Easy flowing. Convenient and easy to handle bars that are 1 lb. each.

% Tin	Per Lb.	% Tin	Per Lb.
40	$1.40	60	$1.89
50	1.60	30	1.16

BURNLEY SOLDERING PASTE



Size	No. in Carton	Each	1 Gross Each
2 Oz. Can	12	$0.166	$0.126
4 Oz. Can	36	.258	.215

		Up to 25 Lbs.	Per Lb. 25 Lbs. to 100	100 Lbs & Over
½ Lb.	50	$1.05	$.90	$.95
1 Lb.	50	.85	.70	.75
5 Lbs.	7 to carton	.70	.65	.65

STANLEY SCREW DRIVERS

STANLEY WORKMASTER



Standard Tip; Round Bar

No.	Blade In.	Stock In.	Wgt. Box Lbs.	Each
66-203	3	7/32	1.3	$0.69
66-204	4	1/4	1.6	.82
66-206	6	5/16	2.5	1.03
66-208	8	3/8	3.3	1.23

Standard Tip; Square Bar

66-224	4	1/4	1.9	1.03
66-226	6	5/16	2.8	1.23
66-228	8	3/8	3.8	1.58

Cabinet Tip; Round Bar

66-193	3	3/16	1.2	.62
66-196	6	3/16	1.3	.75
66-198	8	3/16	1.4	.89

Standard Tip; Stubby

66-191	1-1/4	1/4	0.8	.62

Phillips Pattern

	Blade In.	Pt. Size		
65-301	3	1	1.3	.69
65-302	4	2	1.6	.82
65-303	6	3	2.6	1.05
65-311	1	1	0.8	.63
65-312	1-1/2	2	0.8	.69

STANLEY JOBMASTER

Rubber Grip Plastic Handle



Standard Tip; Round Bar

No.	Blade, in.	Stock, in.	OA, in.	Wt. box, lbs.	Each
66-663	3	5/32	6⅝	1¾	$1.03
66-664	4	¼	7⅝	1⅞	1.16
66-666	6	5/16	10½	2¾	1.30
66-668	8	3/8	13 1/16	4¼	1.64
66-660	10	7/16	15 1/16	4¾	2.07
66-662	12	7/16	17 1/16	5⅞	2.43

Standard Tip; Square Bar

66-674	4	¼	7⅝	1⅞	1.23
66-676	6	5/16	10½	2¾	1.58
66-678	8	3/8	13 1/16	4¼	1.85
66-670	10	7/16	15 1/16	4¾	2.36
66-672	12	7/16	17 1/16	5⅞	2.57

Standard Tip; Stubby Pattern

66-661	1¼	3/16	3 1/16	½	.82

Cabinet Tip; Round Bar

66-683	3	3/16	6⅝	1¼	.96
66-686	6	3/16	9⅝	1¾	1.03
66-688	8	3/16	11⅝	2	1.16
66-680	10	3/16	13⅝	2¼	1.36

Phillips Pattern

No.	Point, No.	Stock, in.	OA, in.	Wt. box, lbs.	Each
65-601	1	3/16	6⅝	1¼	$0.89
65-602	2	¼	7⅝	1⅞	1.03
65-603	3	5/16	10½	2¾	1.52
65-604	4	3/8	13 1/16	3¼	1.86
*65-605	2	¼	3½	1	.96

Six in a box.
* Stubby pattern.

PUSH DRILLS
"YANKEE 100 PLUS"



Complete with eight drill points, 1/16 to 1/4 in. by 64ths.

Stanley No.	Klein No.	Length O.A. In.	Wt. box, lbs.	Each
41Y	64002	11½	⅔	$6.37

One in a box.

PUSH DRILL POINTS
STANLEY "YANKEE"

For "Yankee" Push Drills

Straight Sizes

No.	Size, in.	Each	No.	Size, in.	Each
1DP	1/16	$0.29	5DP	5/32	$0.29
2DP	3/64	.29	6DP	7/64	.29
3DP	1/32	.29	7DP	9/64	.29
4DP	5/64	.29	8DP	11/64	.29

Twelve in a package.

In Sets

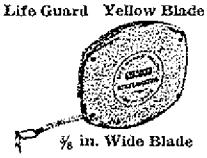
Set contains eight drill points, one each 1/16 to 1/4 in. by 64ths.

Stanley No.	Klein No.	Wt. box, lbs.	Each
9DP	64003	1	$2.32

One set in a plastic tube, twelve sets in a box.

STANLEY STEELMASTER

Life Guard Yellow Blade

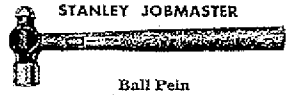


⅛ in. Wide Blade

Stanley No.	Klein No.	Length ft.	Wt. each, lbs.	Each
MY50A	940- 50	50	1.2	$5.62
MY100A	940-100	100	1.7	7.55

One in a box.

MACHINISTS' HAMMERS
STANLEY JOBMASTER

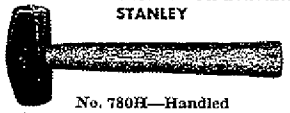


Ball Pein

Stanley No.	Klein No.	Wt. head oz.	Over-all in.	Wt. box lbs.	Each
306B	.....	4	10⅝	2½	$2.45
307B	.....	6	12	3½	2.45
308B	.....	8	13	5	2.47
309B	803-12	12	14	6½	2.53
310B	.....	16	14½	8¼	2.74
311B	.....	20	15	10¼	3.08
312B	.....	24	16	11¾	3.15
314B	.....	32	16	10	3.33
316B	.....	40	16	12¾	3.85
318B	.....	48	16	15	4.36

24 oz. and larger, four; balance, six in a box.

HAND DRILLING HAMMERS
STANLEY



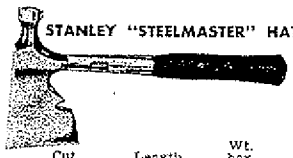
No. 780H—Handled

Forged steel head in baked enamel finish. Flared hickory handle, stained and clear lacquered.

Wt. head, lbs.	Over all, In.	Wt. box, lbs.	Each
2	10¾	10	$4.48
3	10¾	14	4.52
4	10¾	18	4.83

Four in a box.

HALF HATCHETS



No.	Cut, In.	Length, OA. in.	Wt. box, lbs.	Each
SH1½	3½	13⅜	17	$6.30

Four in a box.

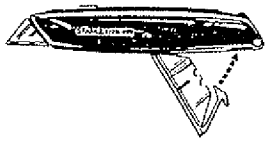
NAIL HAMMERS
STANLEY FIBERGLASS WITH "TAPER-LOCK"



Stanley No.	Klein No.	Wt. head, oz.	Over-all, in.	Wt. box, lbs.	Each
		Curved Claw			
F1	.....	20	13½	7.6	$5.34
F1½	.....	16	13	6.5	4.86
F2	.....	13	13	5.2	4.86
		Ripping Claw			
F1A	808-20	20	13½	7.6	5.34
F1½A	808-16	16	13	6.5	4.86

Four in a Re-Ship carton.

FRONT-LOADING UTILITY KNIFE
STANLEY



No.	Overall	Wgt. Ea.	Each
28-499	6¼ in.	5 oz.	$1.16

(Packed six in a box)

UTILITY KNIFE BLADES

5 in a Box, Each Box in Hang-Up Pack

No.	Type	Wt., ctn. Lbs.	Per Box
1991-5	Regular	⅓	$0.34
1992-5	Heavy Duty	⅜	.41
1996-5	Hook Blade	¾	1.10

Ten cards in a carton.

100 in a box

No.	Type	Wt. box, lbs.	Per box
1991C	Regular	½	$5.69
1992C	Heavy Duty	¾	6.37

ALUMINUM LEVELS
STANLEY



Stanley No.	Klein No.	Level vials	Plumb vials	Lgth., In.	Wt. box, lbs.	Each
H1297	932-24	2	2	18	1½	$3.97
H1297	.....	2	4	24	2¼	4.11
H1297	.....	2	4	28	2½	4.80

One in a box.

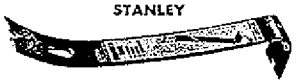
ALUMINUM TORPEDO MAGNETIC LEVELS



Stanley No.	Klein No.	Level vials	Plumb vials	45° vials	Wt. box, lbs.	Each
364	930-9	1	1	1	⅝	$3.43

One in a box.

UTILITY BAR
STANLEY

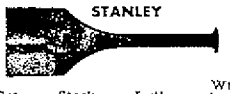


Cutting surfaces carefully ground and beveled for scraping and cutting work. Contoured for many different pulling, prying and lifting jobs.

No.	Width blade, in.	Length OA. in.	Wt. box, lbs.	Each
H515	1¾	13⅜	6	$2.06

Four in a box.

ELECTRICIANS' CHISELS
STANLEY



No.	Cut. in.	Stock. in.	Lgth. OA. in.	Wt. box. lbs.	Each
210	2¾	½	8	4	$3.36
210L	2¾	½	12	4	3.64

Four in a box.

STANLEY TANG BUTT



No. 60—Plastic Handle

Width, in.	Over all, in.	Wt. box, lbs.	Each
¼	7½	½	$2.27
⅜	7⅝	½	2.37
½	7⅞	½	2.40
⅝	7⅞	½	2.49
¾	8	¾	2.48
1	8¼	¾	2.66
1¼	8½	1	3.01
1½	8⅞	1¼	3.38
2	9⅛	1½	4.05

Two in a box.

STANLEY TANG BUTT SETS
In Plastic Rolls

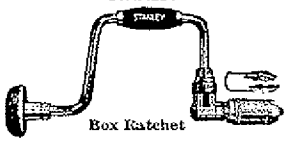
No. 64—4 chisels, 1 each ¼, ½, ¾ and 1 in.; wt. per set 1¾ lbs. $10.03

"HEX-A-MATIC" NUT DRIVERS
STANLEY



Stanley No.	Klein No.	Length, OA. in.	Wt. box, lbs.	Each
66-525C	632	7⅞	2	$4.11

BIT BRACES
STANLEY

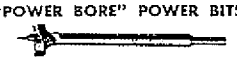


Box Ratchet

Stanley No.	Klein No.	Sweep, in.	Wt. box, lbs.	Each
923	64004	10	6½	$11.78

Two in a box.

"POWER BORE" POWER BITS



No. 105—Round Head Type

¼ in. round shank. 5¼ in. long over all.

Size, in.	Wt. box, oz.	Each	Size, in.	Wt. box, oz.	Each
⅛	11	$1.47	⅝	16	$1.64
½	12	1.51	⅞	18	1.71
⅜	14	1.58	1	21	1.78

One on a card, six in a box.

POWER BITS



No. 215—Spade Type

¼ in. round shank. 6⅝ in. long over all.

Size, in.	Wt. box, lbs.	Each	Size, in.	Wt. box, lbs.	Each
⅞	½	$1.37	¼	⅞	$1.44
½	⅝	1.37	⅞	1	1.44
⅝	¾	1.44	1	1⅛	1.44

One on a card, six in a box.

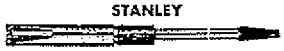
POWER BIT EXTENSIONS



No.	Length, in.	Wt. box, lbs.	Each
212	12	4	$1.58

One on a card, six in a box.

AUGER BIT EXTENSIONS
STANLEY



No. 180—Tapered Bit Stock Tang

Length OA. in.	No. in box	Wt. box. lbs.	Each
18	1	5½	$4.76

CHANNELLOCK TOOLS

CHANNELLOCK TONGUE AND GROOVE PLIERS



Cat. No.	Size In.	Jaw Cap. in.	Adj's.	Each
410	9½	1⅜	4	$3.30
415*	10	2	7	3.22
420†	9½	1½	5	3.15
422	9½	1½	5	3.15
424†	4½	½	4	2.55
426	6½	⅞	5	2.47
430	10	2	7	3.30
440	12	2¼	7	3.45
442	12	2¼	7	3.45
460-G	16	4¼	8	4.80

*Smoothjaw.
†Govt. Specs. GGG-P-471c — Type II, Class 1, Style A. Size 5" (No. 424); Size 10" (No. 420).
No. 460-G furnished only with blue dipped plastic grips. All others shown available with plastic grips at extra cost.

KLEIN EQUIPMENT

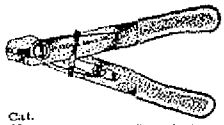
FISH TAPE AND WIRE PULLER



May be used for right or left hand by changing screws. Adjustable jaw depth.

Cat. No.	Length In.	Each
50365	7	$3.60

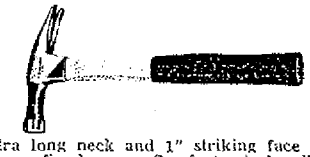
WIRE STRIPPER



Has hole for looping or bending wire. Yellow handles, plastic dipped.

Cat. No.	Description	Length In.	Each
1004	With Spring	5	$1.25
1003	Without Spring	5	.93

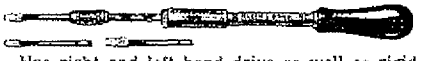
FIBERGLASS HANDLE HAMMER



Extra long neck and 1" striking face permits use in confined areas. Comfort grip handle.

Cat. No.	Head	Length In.	Each
807-18	18 oz.	14	$7.50

SPIRAL RATCHET SCREWDRIVER

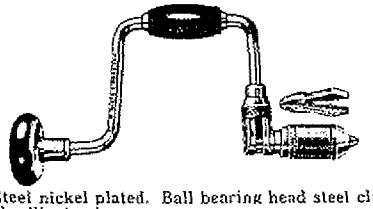


Has right and left hand drive as well as rigid setting. Supplied with ⅜, ¼ and ⅝ inch bits.

Cat. No.	Length Bit Extended	Each
64000	20¾ in.	$7.94

Bits
No. 64001 Set of 3 Bits (⅜, ¼, ⅝) per set.....$1.60

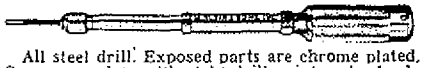
BIT BRACE



Steel nickel plated. Ball bearing head steel clad with alligator jaws.

Cat. No.	Sweep	Handles	Each
64004	10 in.	Hard Wood	$8.44

PUSH DRILL



All steel drill. Exposed parts are chrome plated. Comes complete with eight drill points—⅛, ⅜, ¼, ⅜, ⅛, ⅜, ½, and ⅝ inch. Points are held in magazine in the handle.

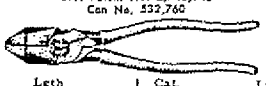
Cat. No.	Length With Drill Point	Each
64002	11½ in.	$6.75

Drill Points
No. 64003 Set of 8 Drill Points (⅛, ⅜, ¼, ⅜, ⅛, ⅜, ½, ⅝) per set $2.13

KLEIN PLIERS

HIGH LEVERAGE PLIER

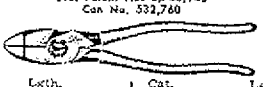
U.S. Patent No. 2,746,145
Can No. 532,760



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D213-9	9¼	$7.60	213-9*	9¼	$7.04

HIGH LEVERAGF PLIER

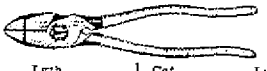
U.S. Patent No. 2,746,145
Can No. 532,760



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D213-8NE	8½	$7.28	D213-9NE	9¼	$7.60
HD213-8NE†	8½	7.64	HD213-9NE†	9¼	8.00
213-8NE*	8½	6.84	213-9NE*	9¼	7.10

THREAD-HOLDING HIGH LEVERAGE PLIER NE TYPE (STREAMLINED)

U.S. Patent No. 2,746,145
Can No. 532,760



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D213-9NE-TH	9¼	$8.80	213-9NE-TH*	9¼	$8.30
HD213-9NE-TH†	9¼	9.20	.....	.....	.....

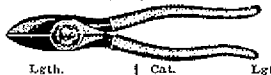
SIDE CUTTING PLIER N.E. TYPE (STREAMLINED)



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D201-6NE	6¼	$5.10	D201-8NE	8½	$6.64
201-6NE*	6¼	4.80	201-8NE*	8½	6.20
D201-7NE	7¼	5.56	D201-9NE	9¼	7.10
201-7NE*	7¼	5.20	201-9NE*	9¼	6.60

OBLIQUE CUTTING PLIER

Heavy Duty Pattern



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D220-7	7¾	$5.34	220-7*	7¾	$5.04

HIGH LEVERAGE OBLIQUE CUTTING PLIER



Cat. No.	Lgth. In.	Each
D228-8	8	$4.84

HIGH LEVERAGE OBLIQUE CUTTING PLIER

Bent Handles—Knives with Top Bevel



Cat. No.	Lgth. In.	Each
D248-8	8	$5.20

OBLIQUE CUTTING PLIER

Short Nose Heavy-Duty Pattern



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D220-7SN	7¼	$5.34	220-7SN*	7¼	$5.04

OBLIQUE CUTTING PLIER



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D245-5	5	$4.40	245-5*	5	$4.20
D245-5C‡	5	4.70	.....	..	.....

OBLIQUE CUTTING PLIER

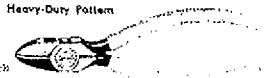
Narrow Nose



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D202-5	5½	$4.40	D202-6	6	$4.60
D202-5C	5½	4.70	D202-6C	6	4.90
202-5*	5½	4.20	202-6*	6	4.40

OBLIQUE CUTTING PLIER

Heavy-Duty Pattern



Cat. No.	Lgth. In.	Each
D252-6	6	$4.90

*Plain Handle. †Hi-Di Handle. ‡Coil Spring.

OBLIQUE CUTTING PLIER

Bell System Type
With "W" Stripping Notches, Sleeve Openings, and .052" Skinning Hole



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D202-5-SW	5½	$5.20	D252-6-SW	6	$5.50
202-5-SW*	5½	5.00	252-6-SW*	6	5.30

OBLIQUE CUTTING PLIER

Bell System Type
"W" Notch to slit insulation, "V" Notch to crush insulation.



Cat. No.	Lgth. In.	Each
D528-V	5	$5.30

HIGH LEVERAGE END CUTTING PLIER



Cat. No.	Lgth. In.	Each
D232-8	7¾	$5.96

LONG NOSE PLIER



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D301-5	5½	$3.76	301-6*	6½	$3.66
D301-5C‡	5½	4.06	D301-7	7	4.16
301-5*	5½	3.56	D301-7C	7	4.46
D301-6	6½	3.86	301-7*	7	3.96
D-301-6C‡	6½	4.16	.....	....	.....

LONG NOSE SIDE CUTTING PLIER



Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D203-5	5½	$4.20	203-6*	6½	$4.20
D203-5C‡	6½	4.50	203-6C*‡	6½	4.50
203-5*	5½	4.00	D203-7	7	5.00
D203-6	6½	4.40	D203-7C‡	7	5.30
D203-6C‡	6½	4.70	203-7*	7	4.80

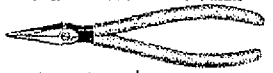
CHAIN NOSE PLIER



D317-6	6	$3.86	.....	....	.....

With side cutting knives.

8 IN. LONG NOSE PLIER



D314-8	8	$4.90	.....	.....	.....

With knurl.

LONG NOSE CUTTING PLIER

Heavy-Duty



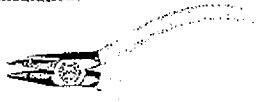
Cat. No.	Lgth. In.	Each	Cat. No.	Lgth. In.	Each
D203-8	8½	$6.36	D203-8N	8½	$7.06
203-8*	8½	5.96	203-8N*	8½	6.66

*Plain Handle. ‡Coil Spring.

N has skinning knife for #12 B & S insulated wire.

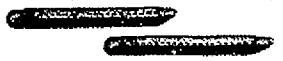
SPECIAL SKINNING PLIER

Designed for cutting and skinning 24 gauge synthetic coated wire. Notch back of cutting blade crushes insulation.



D317-5P	5¼	$5.36	.....	....	.....

"KLEIN-KOAT" TENITE HANDLES

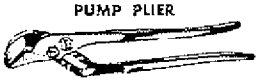


Cat. No.	Description	Per Pair
60	To fit 6" pliers	$0.76
70	To fit 7" pliers	.80
89	To fit 8"-9" pliers	.86

*Plain Handle. †Hi-Di Handle. ‡Coil Spring.

KLEIN EQUIPMENT

PUMP PLIER



Cat. No.	Lgth. In.	Max. Cut Inches	Each
502-6	6½	1	$2.80
502-6	Plastic Handle	1	3.12
502-10	10	1¾	3.90
502-12	11	2⅛	4.40

INSULATED HANDLE PUMP PLIER

Cat. No.	Lgth. In.	Max. Cut Inches	Each
D502-10	10	1¾	$4.20
D502-12	12	2⅛	4.80
D502-16	16	4¼	6.50
HD502-10	10	1¾	4.40
HD502-12	12	2⅛	5.10

HD pliers, hi-dielectric.

HACK SAWS



Cat. No.	Blade Lgth. In.	Each	Cat. No.	Blade Lgth. In.	Each
01-10	10	$5.50	701-TH-12	12	$5.80
01-12	12	5.50	.....	.....	.....

701-TH has retaining pin threaded to prevent dropping out.

COMPASS SAW

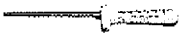


Cat. No.	Handle Lgth. Inches	Each
702	5	$2.00

Supplied without blades.

JAB SAW

Cat. No.	Lgth. In.	Each
703	10½	$4.10



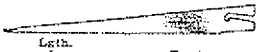
HACK SAW BLADES

Carbon steel



Cat. No.	10" Length Teeth	Each	Cat. No.	12" Length Teeth	Each
		Carbon Steel			
1018C	18T	$0.18	1218C	18T	$0.19
1024C	24T	.18	1224C	24T	.19
1032C	32T	.18	1232C	32T	.19
		High Speed			
1018-HS	18T	.66	1218-HS	18T	.78
1024-HS	24T	.66	1224-HS	24T	.78
1032-HS	32T	.66	1232-HS	32T	.78

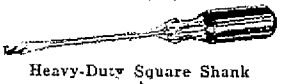
COMPASS SAW BLADES



Cat. No.	Lgth. in.	Teeth	Each
704	12	8T	$1.50
705	12	10T	1.55
706	8	10T	1.40
707	10	10T	1.45

CUSHION GRIP SCREWDRIVER

Patent No. 2,871,899



Heavy-Duty Square Shank

Cat. No.	Blade In.	Each	Cat. No.	Blade In.	Each
600-1*	1¾x¼	$1.22	600-6	6 x 5/16	$2.22
600-4	4 x¼	1.75	600-8	8 x⅜	2.78

*Stubby.

Heavy-Duty Round Shank

Cat. No.	Blade In.	Each	Cat. No.	Blade In.	Each
602-3	3 x 5/16	$1.58	602-6	6 x 5/16	$1.86
602-4	4 x¼	1.86	602-8	8 x⅜	2.38

Electricians' and Telephone Round Shank

Cat. No.	Blade In.	Each	Cat. No.	Blade In.	Each
601-3	3 x 5/16	$1.34	601-8	8 x 5/16	$1.42
601-4	4 x 5/16	1.36	601-10	10 x 5/16	1.66
601-6	6 x 5/16	1.38			

Super-Hard Phillips

Cat. No.	Point	Blade In.	Each	Cat. No.	Point	Blade In.	Each
603-1*	#2	1¾x¼	$1.40	603-4	#2	4 x¼	$1.58
603-3	#1	3 x 5/16	1.34	603-6	#3	6 x 5/16	2.22

*Stubby.

Electricians' Cabinet Point

Cat. No.	Blade In.	Each	Cat. No.	Blade In.	Each
605-4	4x¼	$1.64	605-6	6x¼	$1.74

INSULATED SHANK SCREWDRIVER



Cat. No.	Blade In.	Each	Cat. No.	Blade In.	Each
620-3	3x 3/16	$2.10	620-6	6x 5/16	$2.60
620-4	4x¼	2.10	620-8	8x⅜	3.00

NARROW BLADE

Cat. No.	Blade In.	Each	Cat. No.	Blade In.	Each
621-6	6x 3/16	$1.76	621-8	8x 3/16	$1.90
			621-10	10x 3/16	2.04

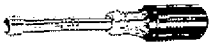
DRIV-A-MATIC NUT DRIVER

Automatically adjusts to 15 different nut and screw sizes.



Cat. No.	Lgth. In.	Each
632	7	$5.60

CUSHION GRIP NUT DRIVER



Cat. No.	Shank In.	Nut Size In.	Each	Cat. No.	Shank In.	Nut Size In.	Each
630 3/16	3⅛	3/16	$1.42	630 5/16	3⅛	5/16	$1.58
630¼	3⅛	¼	1.42	630 3/8	3⅛	3/8	1.76
630 5/16	3⅛	5/16	1.42	630½	3⅛	½	1.76
630 3/8	3⅛	3/8	1.42	631	Set of 7 Drivers		11.40

SCRATCH AWL



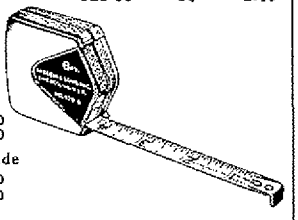
Cat. No.	Lgth. In.	Each
650	7	$1.66

POWER RETURN TAPE RULE



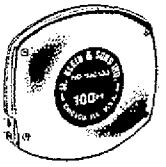
Cat. No.	Lgth. Ft.	Each
922-10	10	$4.00
922-12	12	4.60
922-16	16	5.20
Replacement Blade		
923-10	10	1.90
923-12	12	2.10
923-16	16	2.40

PUSH-PULL TAPE RULE



Cat. No.	Lgth. Ft.	Each
920-6	6	$2.00
920-8	8	2.20
Replacement Blade		
921-6	6	1.20
921-8	8	1.30

STEEL TAPE



Cat. No.	Lgth. Ft.	Each
940-50	50	$7.90
940-100	100	10.80
Replacement Blade		
941-50	50	5.20
941-100	100	7.98

HEAVY-DUTY EXTENSION RULE



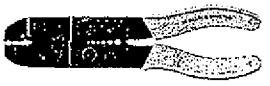
Cat. No.	Lgth. Ft.	Each
905-6	6	$3.70

STANDARD WOOD RULE



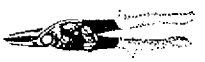
Cat. No.	Lgth. Ft.	Each
900-6	6	$2.66

ALL PURPOSE 6-IN-ONE TOOL



Cat. No.	Lgth. In.	Each
1000	7½	$7.44

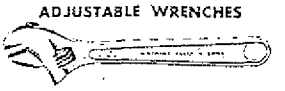
METAL CUTTING AVIATION SNIPS



Cat. No.	Style	Each
1100L	Left	$5.60
1101R	Right	5.60
1102S	Straight	5.60

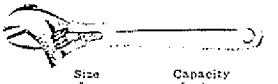
Length of cut: 1⅜".

ADJUSTABLE WRENCHES



Cat. No.	Size In	Capacity Inches	Each
500-4	4	½	$3.66
500-6	6	¾	3.72
500-8	8	1 1/16	4.24
500-10	10	1⅜	5.38
500-12	12	1 5/8	7.80
500-15	15	1⅞	11.80

ADJUSTABLE LOCKING WRENCHES

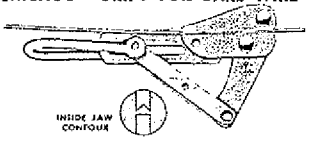


Cat. No.	Size In.	Capacity Inches	Each
D500-8L	8	1 1/16	$5.46
D500-10L	10	1⅜	6.36
*D500-12L	12	1½	9.22

*Extra capacity for line work.

KLEIN GRIPS

"CHICAGO" GRIPS FOR BARE WIRE



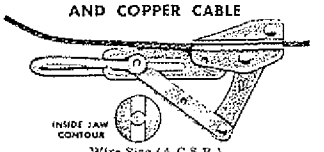
Solid and Strand

Single "V" Groove Jaw

Cat. No.	Min. Cable Size	Max. Cable Size	Safe Load, Lbs.	Each
1613-30	.08	.20	1500	$4.31
1613-30B	.08	.20	1500	6.88

B indicates bronze-lined jaws.

"CHICAGO" GRIPS FOR BARE ALUMINUM AND COPPER CABLE



Cat. No.	Wire Size (A.C.S.R.)	Each
1656-20	No. 1/0 to No. 6	$8.48
1656-20B	No. 1/0 to No. 6	12.00
1656-30	No. 3/0 to No. 2	10.02
1656-30B	No. 3/0 to No. 2	14.05
1656-40	No. 336.4MCM to No. 3/0	16.90
1656-40B	No. 336.4MCM to No. 3/0	24.15
1656-50	No. 447MCM to No. 397.5MCM	16.90
1656-50B	No. 447MCM to No. 397.5MCM	24.15
1656-AB*	No. 500MCM to No. 3/0	28.96

B indicates bronze-lined jaws.

*For use on aluminum cables where minimum conductor damage is essential, we hold stock of parts and jaws are milled to fit exact diameter of cable. Range of conductor size is given for general information and is made for one size cable only. Orders must specify exact outside diameter of cable.

IMPROVED "CHICAGO" GRIPS



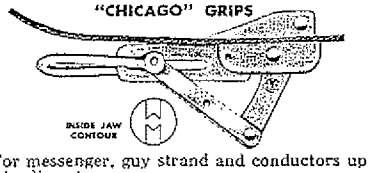
For messenger, guy strand and conductors up to ½" in diameter.

Double "V" Groove Jaw

Cat. No.	Min. Cable Size	Max. Cable Size	Safe Load, Lbs.	Each
1613-40	.10	.37	4500	$8.42
1613-40B	.10	.37	4500	11.85
1628-S	.16	.55	8000	12.44
1628-SB	.16	.55	8000	16.61

B indicates bronze-lined jaws.

"CHICAGO" GRIPS



For messenger, guy strand and conductors up to ½" in diameter.

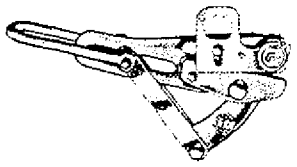
Double "V" Groove Jaw

Cat. No.	Min. Cable Size	Max. Cable Size	Safe Load, Lbs.	Each
1628-16	.31	.62	15000	$30.94
1628-16B	.31	.62	15000	37.46
1628-17	.50	.75	15000	.....
1628-17B	.50	.75	15000	.....

B indicates bronze-lined jaws.

KLEIN GRIPS

IMPROVED "CHICAGO" GRIPS FOR HOT LINE WORK



May be placed on wire with hot line stick. For hot or dead work grips can be furnished with springs. If springs are desired, prefix letter "S" before Cat. No. Lock open feature furnished on special order.

For Bare Conductors

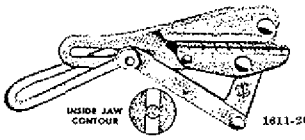
Cat. No.	Wire Size	Each
1613-40H	No. 1/0† Str. to No. 10† Sol.	$11.34
1613-40BH	No. 1/0† Str. to No. 10† Sol.	14.77
1628-5H	No. 4/0† Str. to No. 6 Sol.	15.37
1628-5BH	No. 4/0† Str. to No. 6 Sol.	19.54
1656-20BH	No. 1/0‡ to No. 6‡	14.93
1656-30BH	No. 3/0‡ to No. 2‡	16.97
1656-40BH	No. 336MCM‡ to No. 3/0‡	27.07
1656-50BH	No. 336MCM‡ to No. 397.5‡	27.07
1656-ABH*	No. 500MCM‡ to 3/0‡	31.89

*For use on aluminum cables where minimum conductor damage is essential, we hold stock of parts and jaws are milled to fit exact diameter of cable. Range of conductor size is given for general information and is made for one size cable only. Orders must specify exact outside diameter of cable.
†B&S.
‡A.C.S.R.

For Insulated Conductors

Cat. No.	Conductor Size	Approx. Max. Opening	Each
1611-20H	.420" to .198"	.50"	$11.70
1611-30H	.500" to .313"	.56"	13.39
1611-40H	.700" to .500"	.75"	21.07
1611-50H	.860" to .672"	.94"	21.07
1659-20H	.420" to .200"	.46"	16.46
1659-30H	.500" to .313"	.56"	18.00
1659-40H	.796" to .490"	.83"	27.80
1659-50H	1.014" to .796"	1.04"	27.80

"CHICAGO" GRIPS FOR WEATHERPROOF WIRE

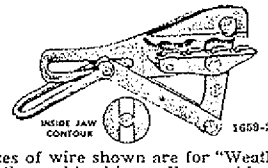


All sizes of wire shown are for "Weatherproof".

Cat. No.	Wire Size	Approx. Max. Opening	Each
1611-20	.420" to .198"	.50"	$8.78
1611-30	.500" to .313"	.56"	10.46
1611-40	.700" to .500"	.75"	18.14
1611-50	.860" to .672"	.94"	18.14

Due to various types of weatherproof coatings available, selection of proper grips is determined by O.D. of cable.

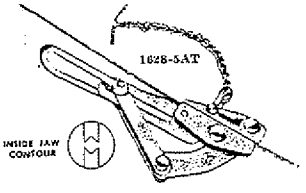
"CHICAGO" GRIPS FOR PVC COVERED CONDUCTORS



All sizes of wire shown are for "Weatherproof". Specially machined jaws allow snaking insulated conductors through jaws, eliminating slippage and preventing conductor damage. No necessity to strip insulation from conductor.

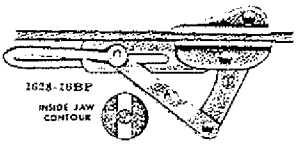
Cat. No.	Conductor Size	Approx. Max. Opening	Each
1659-20	.420" to .200"	.46"	$13.53
1659-30	.500" to .313"	.56"	15.07
1659-40	.796" to .490"	.83"	24.87
1659-50	1.014" to .796"	1.04"	24.87

"CHICAGO" GRIPS BELL SYSTEM TYPE



Cat. No.	Cable Size	Each
1628-5AT	1/8" to 1/4" Gal. Steel Str.	$15.37
1628-16AT	1/2" to 5/8" Gal. Steel Str.	33.87

"CHICAGO" GRIPS FOR LARGE DIAMETER CONDUCTORS



For hollow conductors and other large diameter cables, jaws must be shaped to provide maximum contact with the circumference of the cable. We hold grips in blank and finish as necessary. Allow 30 days for delivery.

Orders must specify exact outside diameter of cable. Made for one size cable only.

Cat. No.	Cable Size (A.C.S.R.)	Each
1628-16BP	No. 605MCM to No. 2	$51.06
1628-30	No. 1033.5MCM to No. 477MCM	82.95
1628-30B	No. 1033.5MCM to No. 477MCM	106.07
1628-40	No. 1590MCM to No. 1033MCM	112.65
1628-40B	No. 1590MCM to No. 1033MCM	150.69
1628-50*	No. 2500MCM to No. 666.6MCM	117.04
1628-50B*	No. 1780MCM to No. 666.6MCM	155.08

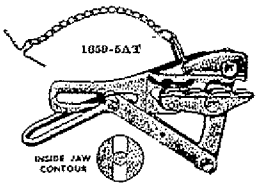
B indicates bronze lined jaws.
*Furnished with removable floating jaw, which allows maximum coverage of cables and eliminates conductor damage, particularly under heavy loads. The removable jaw is held in place by a bolt swaged into the lever arm grip secured by a nut and cotter pin. It is necessary to remove the jaw of the grip to insert the cable.

"CHICAGO" GRIPS FOR FIGURE 8 TELEPHONE CABLES

Cat. No.	Cable Size	Each
1613-80	.107 Support Wire Max. .174" to .149"	$7.68

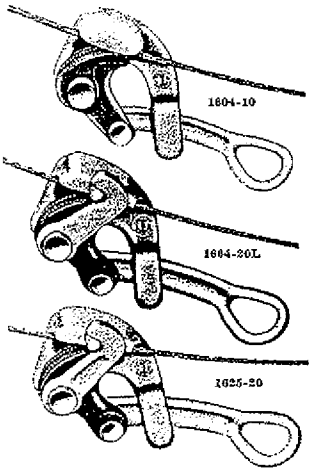
For support wire .134 and larger, refer to 1656 series. Outside diameter of support wire includes thickness of Polyethylene coating. Grips are applied to supporting member of cable.

"CHICAGO" GRIPS



Cat. No.	Cable Size	Safe Load	Each
1659-5AT	1/4"	5000 lb.	$21.58

IMPROVED HAVENS GRIPS



Cat. No.	Cable Size	Each
1604-10	No. 4† to No. 14†	$4.97
1604-20	.500 Steel Str. to No. 7†	6.29
1604-20L	.500 Steel Str. to No. 7†	7.39
1625-20	.750 Wire Rope to No. 2†	11.12
	Can be furnished on special order for 7/8" or 1" cable	12.14

†B&S.

KLEIN CLIMBERS

REPLACEABLE GAFF ADJUSTABLE CLIMBERS



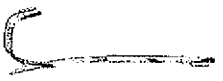
Cat. No.	Description	Per Pair
1958-AR	Riveted ankle loop	$16.5
C1958-AR	With straps and pads	28.5
1958-AR-L	Adjustable 17"-21"	17.3
C1958-AR-L	With straps and pads	28.5
1959-AR	Triangular ankle ring	17.1
C1959-AR	With straps and pads	29.5
1959-AR-L	Adjustable 17"-21"	17.5
C1959-AR-L	With straps and pads	30.3

"POLE MASTER" CLIMBERS—ADJUSTABLE PAIRS MATCHED RIGHT AND LEFT



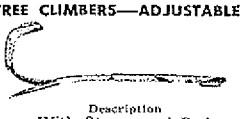
Cat. No.	Description	Each
C1945-A	With Straps and Pads Adjustable 17"-21"	$28.5
C1945-AL	With Straps and Pads	28.9

STANDARD CLIMBERS—ADJUSTABLE



Cat. No.	Description	Each
C1901-M-A	With Straps and Pads Adjustable 17"-21"	$27.1
C1901-M-AL	With Straps and Pads	27.5

TREE CLIMBERS—ADJUSTABLE



Cat. No.	Description	Each
C1907-A	With Straps and Pads Adjustable 17"-21"	$28.7
C1907-AL	With Straps and Pads	29.1



ANKLE CLIMBER PADS

Cat. No.	Size	Per Pair
8210	8" x 8"	$6.1



LONG CLIMBER PADS

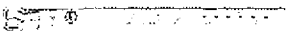
Cat. No.	Description	Per Pair
8209	9" x 3½" Felt lined	$3.0

NYLON CLIMBER STRAPS



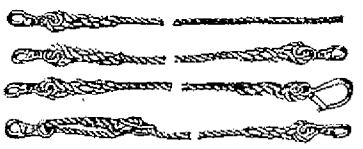
Cat. No.	Description	Per Pair
5301-18	Calf straps, 1" x 22"	$3.3
5301-21	Calf straps, 1¼" x 22"	4.4
5301-19	Calf straps, 1" x 26"	3.7
5301-22	Calf straps, 1¼" x 26"	5.0

LEATHER CLIMBER STRAPS WITHOUT PADS



Cat. No.	Description	Per Pair
5301-4	Calf straps, 1¼" x 22"	$3.1
5301-9	Calf straps, 1" x 22"	2.6
5301-14	Ankle straps, 1¼" x 26"	3.4
5301-10	Ankle straps, 1" x 26"	2.8

NYLON ROPE LANYARDS



Cat. No.	Snap	Diam.	Ea
5486	2027	½"	$9.5
5489	2-2027	½"	3.3
5490		½"	4.1
5492		½"	4.1

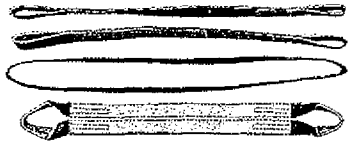
KLEIN EQUIPMENT

NYLON ANKLE STRAPS (TWO PIECES)



Cat. No.	Description	Each
	Nylon	
301-23	One pr. 1¼"x26" w/ring	$5.84
301-20	One pr. 1"x26" w/ring	4.65
	Leather	
301-16	One pr. 1¼"x26" w/ring	4.83
301-26	One pr. 1"x26" w/ring	4.07

NYLON WEBB SLINGS

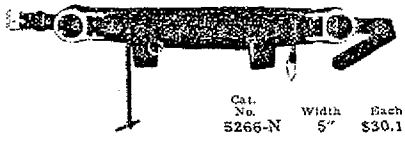


Cat. No.	Length*	Width	Each
600 RE	3'	2"	$4.61
601 E	3'	1¾"	7.63
602 DE	3'	1¾"	9.55
603 DE	3'	1¾"	8.20

*Other lengths available.

NYLON-LEATHER TOOL BELT

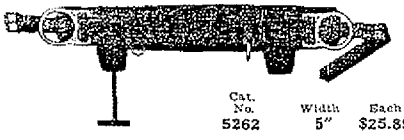
Sizes: 34, 36, 38, 40, 42, 44, 46, 48 in.



Cat. No.	Width	Each
5266-N	5"	$30.11

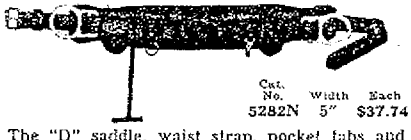
LIGHTWEIGHT CUSHION TOOL BELT

Sizes: 34, 36, 38, 40, 42, 44, 46, 48 in.



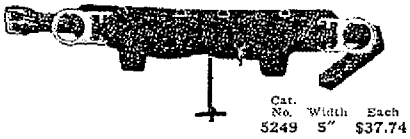
Cat. No.	Width	Each
5262	5"	$25.89

FULL FLOATING TOOL BELT



Cat. No.	Width	Each
5282N	5"	$37.74

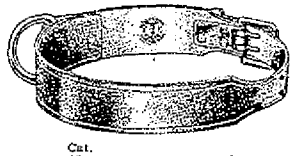
The "D" saddle, waist strap, pocket tabs and ¾" tool loops are nylon. The body pad is leather padded with sponge rubber. Has circle "D" rings. Accessories included are: tape holder, glove bag ring, knife snap, and four suspension "D" rings.



Cat. No.	Width	Each
5249	5"	$37.74

A full floating trace of nylon 1¾" wide attaches to the circle "D" rings, and allows approximately 6" of free movement. The cushion is lined with leather, padded with sponge rubber. Accessories included are: tape holder, glove bag ring, knife snap, four suspension "D" rings and two pocket ribs.

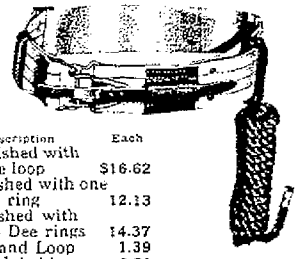
DERRICK BELT ADJUSTABLE 36" TO 44"



Cat. No.		Each
5412	Leather	$13.26

EMERGENCY ESCAPE STEELWORKER'S BELT

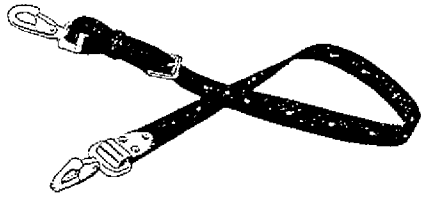
3" webbing with quick release buckle.



Cat. No.	Description	Each
5462 R	Furnished with rope loop	$16.62
5463	Furnished with one Dee ring	12.13
5464	Furnished with two Dee rings	14.37
5458	Snap and Loop	1.39
5459	Wrench holder	2.21

"KLEIN-KORD"* ALL NYLON SAFETY STRAP RED CENTER. MEETS EEI SPECIFICATIONS

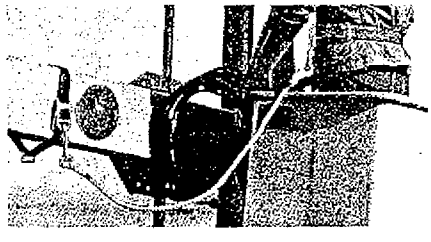
*Trademark registered patent 2152943



Standard length 5'8". Available in 6', 6'6", 7' and 8'.

Cat. No.	Description	Each
5295	1¾" x 5'8", standard snaps	$14.85
KLS295	1¾" x 5'8", "Klein-Lok" snaps	17.63

AERIAL BASKET STRAP ASSEMBLY



Cat. No.	Description	Each
5216	Body Belt	$13.46
5217	Boom Strap 54"	8.13
5489-P-½	Lanyard 5'	7.23
5444-LB	Body Belt	8.65
5220	Set 5217, 5489, 5444-LB	23.57
5221	Set 5217, 5489, 5216	28.81



CANVAS BUCKETS

Cat. No.	Diam. Top	Diam. Bottom	Height	Each
5109	12"	12"	15"	$10.01
5109*P	12"	12"	15"	10.30
5113	12"	9"	13"	7.94

*With inside pocket.

CANVAS TOOL BAG



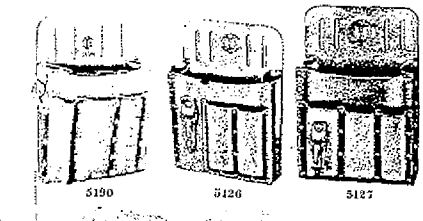
Cat. No.	Size, Lgth.	In. Dpth.	Each
5102-12	12	10	$12.13
5102-14	14	14	12.83
5102-16	16	14	13.26
5102-18	18	14	13.68
5102-20	20	15	14.09
5102-22	22	15	14.49
5102-24	24	15	14.89

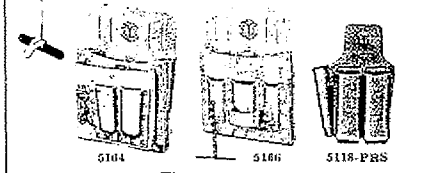
ELECTRICIAN'S LEATHER TOOL BELT

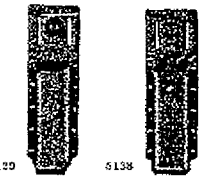


Cat. No.	Each
5207 M	$4.00
5207 L	4.13
5207-XL	4.30

ELECTRICIANS' POCKETS

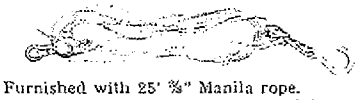






Cat. No.	Size In.	Each	Cat. No.	Size In.	Each
5190	8¾ x 6	$4.95	5166	7 x 10	$6.84
5126	6½ x 8½	4.33	5118-PRS	6½ x 8¾	4.40
5127	7 x 10	5.31	5129	3 x 8	2.23
5164	7 x 10	7.18	5138	3 x 8	2.79

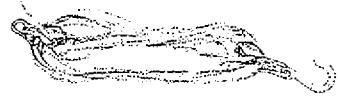
SELF-LOCKING BLOCK TACKLE



Furnished with 25' ⅜" Manila rope.

Cat. No.		Safe Load, Lbs.	Each
1802-30	Detachable hook #258	1200	$7.90
1802-30S	Detachable swivel hook #259	1200	8.34

SELF-LOCKING BLOCK TACKLE



With guarded snaps. Furnished with 25' ⅜" Manila rope.

Cat. No.		Safe Load, Lbs.	Each
H1802-30	Detachable hook #258	1200	$8.42
H1802-30S	Detachable anchor hook #259	1200	8.86

HAND LINE



75' Manila rope spliced to eye of snap hook. Hook opens to ¾".

Cat. No.		Each
1803-60	⅜" rope and #443-A snap hook	$7.10
1804-60	⅜" rope and #470 swivel snap hook	7.17
1803-75	½" rope and #443-A snap hook	11.19
1804-75	½" rope and #470 swivel snap hook	11.41

KLEIN EQUIPMENT

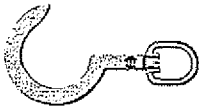
ANCHOR HOOK FOR TACKLES



5¼" x 3¼". Eye inside diam. ⅝" to engage snap on Klein Tackle 1802-30 and H1802-30.

Cat. No.	Safe Load, Lbs.	Each
258	1500	$1.39

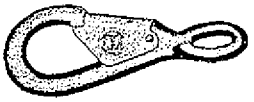
SWIVEL ANCHOR HOOK FOR TACKLES



6½" x 3¼". Eye inside diam. ⅝" swivel clevis will engage snap on Klein Tackles 1802-30 and H1802-30.

Cat. No.	Safe Load, Lbs.	Each
259	1500	$1.85

HANDLINE SNAP HOOKS



Length 5½". Eye 1" I.D. Snap opens to ¾".

Cat. No.	Safe Load, Lbs.	Each
443-A	2000	$1.76

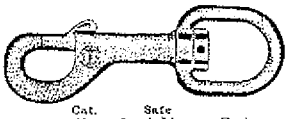


Length 5¼" Eye 1⅛".

Cat. No.	Safe Load, Lbs.	Each
468-5	5000	$1.61

SWIVEL HAND LINE SNAP

Designed for ½" or lighter hand lines.

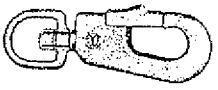


Cat. No.	Safe Load, Lbs.	Each
470	750	$1.90

ANCHOR HOOK FOR TACKLES



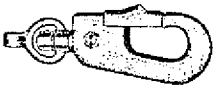
Cat. No.	Description	Each
455	Solid Eye	$3.15



455-S Swivel eye ¾" long $4.91

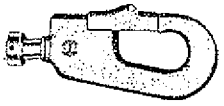


455-SCE Long eye 1½" long $5.53



455-SH Swivel eye for ¾ ton hoist $5.23

455-SH-3 Swivel eye for 1½ ton hoist $5.23



455-SP With male fixture for 1½ ton hoist $4.61

455-SP-6 With male fixture for 3 ton hoist $4.61

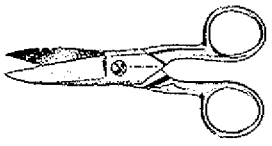
"XELA" ELECTRICIANS' SCISSORS



5" size.

Cat. No.	Each
2100-5	$4.00

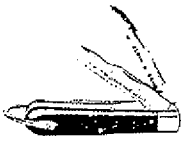
"XELA" ELECTRICIANS' SCISSORS



5" size with stripping notch and serrated blade.

Cat. No.	Each
2100-7	$4.10

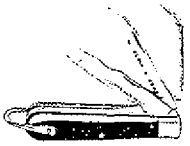
"XELA" ELECTRICIAN'S KNIFE



Two blades and screwdriver. 3¾" closed length.

Cat. No.	Each
1550-2	$2.90

"XELA" THREE BLADE KNIFE



Three blades and screwdriver. 3¾" closed length.

Cat. No.	Each
1550-6	$3.60

"XELA" LINEMEN'S KNIFE



4" closed length.

Cat. No.	Each
1550-4	$3.10

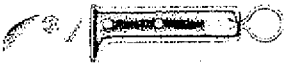
"XELA" SKINNING KNIFE



3½" closed length.

Cat. No.	Each
1550-5	$2.50

PLASTIC HANDLE SKINNING KNIFE



With Ring Cat. No.	Blade Size	Each	Less Ring Cat. No.	Blade Size	Each
1570-3	3"	$3.60	1570-3LR	3"	$3.50

ELECTRICIANS' HAMMER



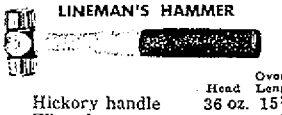
Cat. No.		Head	Overall Length	Each
807-18	Fiberglass handle	18 oz.	14"	$7.50
806-18	Tubular steel handle	18 oz.	14"	7.50

CUSHION GRIP HANDLE



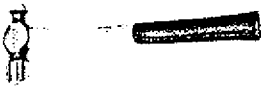
Cat. No.		Head	Overall Length	Each
802-16	Steel handle	16 oz.	13¼"	$7.30
802-20	Steel handle	20 oz.	14"	7.94
808-16	Fiberglass handle	16 oz.	13¾"	7.30
808-20	Fiberglass handle	20 oz.	14"	7.94

LINEMAN'S HAMMER



Cat. No.		Head	Overall Length	Each
804-36	Hickory handle	36 oz.	15½"	$7.34
809-36	Fiberglass handle	36 oz.	15½"	8.66

BALL PEIN HAMMER



Cat. No.		Head	Overall Length	Each
803-12	Hickory handle	12 oz.	12¾"	$4.20

KLEIN EQUIPMENT

LINEMEN'S WRENCH



Cat. No.	Size, Inches Large End	Small End	Each
3146	1⅛ and ⅝	⅛ and ⅝	$5.60

LINEMEN'S WRENCH



Cat. No.	Size, Inches Large End	Small End	Each
3146-A	1⅛ and 1⅛	⅝ and ⅞	$5.80

LINEMEN'S WRENCH



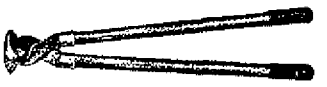
Cat. No.	Size, Inches Large End	Small End	Each
3146-B	1⅛ and 1⅛	1⅛ and ⅞	$5.80

"Bell System" Type — NEMA Hardware Specifications.

SOMERSET MECHANICAL TOOLS

CABLE SLICERS

Fiberglass Handles



UT364F	20½	350MCM	3	1	$51.00
UT366F	31¼	1000MCM	3	1	79.00

SHURE SQUEEZER



Cat. No.	Description	Each
UT2	For ½" O.D. Shure Splicers	$30.00

SHURE SQUEEZER



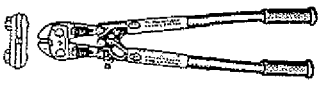
Cat. No.	Description	Each
UT3	For ½" and ⅝" O.D. Shure Splicers	$45.00

BASIC UT5E TOOL



Cat. No.	Description	Each
UT5W	Wood Handles	$48.00
UT5F	Fiberglass Handles	65.00

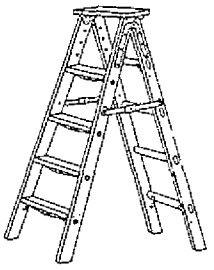
PORTER BOLT AND WIRE CUTTERS



Cat. No.	Approx. Length	Capacities Med. Hard. Bolts in Thread	Med. Hard Metals	Wt. Lbs.	Each
290MC	30"	7/32"	½"	8½	$18.30
390MC	36"	5/16"	5/8"	12⅞	23.78

BABCOCK LADDERS

SAFETY STEP



Heavy Industrial
Underwriters' Inspected

4' to 16'—Front rails 1⅞" x 3¼". Back legs 1⅞" x 2⅛".

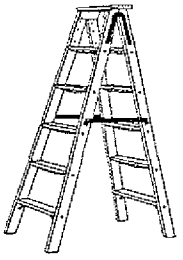
18' and 20' — Front rails 1⅝" x 3". Back legs 1⅜" x 2¾".

Steps 1" x 3¾", truss rodded. Oak back bars ⅞" x 1¾". No pail shelf unless specified. Bottom step and back section steel knee braced. ⅛" steel top brackets. ⅛" steel "U" hinge. Heavy duty side spreaders. Top ends of back legs tie-riveted.

Size Ft.	Each	Size Ft.	Each	Size Ft.	Each
3	$19.44	7	$40.56	14	$102.40
4	25.92	8	46.40	16	121.60
5	32.40	10	58.00	18	170.40
6	34.80	12	72.00	20	147.00

TWIN-FRONT SAFETY STEP

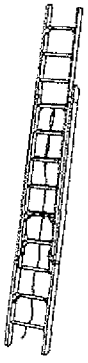
Heavy Duty Industrial
Underwriters' Inspected



Steps both sides. Rails 1⅞" x 3¼". Steps 1" x 3¾". All steps truss rodded. Bottom step steel knee braced. ⅛" steel "U" hinge. Heavy duty side spreaders.

Size Ft.	Each	Size Ft.	Each
4	$31.36	10	$ 73.20
5	39.20	12	91.20
6	43.92	14	124.32
7	51.28	16	147.20
8	58.56	....	.....

EASTERN EXTENSION



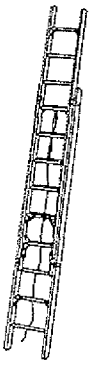
Medium Duty — Straight Bottom
Underwriters' Inspected

Rungs 1⅛" Hickory; ends dipped in 5% Penta. Steel guide irons riveted steel to steel. "B" spring locks; rope and pulley. 2 pr. steel rung braces per section. Zinc plated hardware. Also available in 3 sections.

16' to 32' — Rails 1⅜" x 2¾".
34' to 40' — Rails 1⅜" x 3".
42' to 44' — Rails 1⅜" x 3½".

Size Ft.	Each	Size Ft.	Each	Size Ft.	Each
16	$37.76	26	$61.63	36	$92.16
18	42.48	28	66.08	38	97.28
20	47.20	30	70.80	40	107.20
22	51.92	32	75.52	42	136.08
24	56.64	34	87.04	44	142.56

CHAMPION EXTENSION



Heavy Industrial
Underwriters' Inspected

Straight bottom; spread bottom on request. Rungs 1¼" Hickory, ends dipped in 5% Penta. Steel guide irons riveted steel to steel. "A" steel spring locks; rope and pulley. 2 pr. steel rung braces per section. Zinc plated hardware. Also available in 3 sections.

16' to 40' — Rails 1⅜" x 3".
42' to 44' — Rails 1⅜" x 3½".

Size Ft.	Each	Size Ft.	Each	Size Ft.	Each
16	$45.57	26	$71.76	36	$109.44
18	49.68	28	77.28	38	115.52
20	55.20	30	82.80	40	128.00
22	60.72	32	88.32	42	156.24
24	66.24	34	103.36	44	163.68

BABCOCK LADDERS

GENERAL PURPOSE EXTENSION



Medium Duty — Spread Bottom
Underwriters' Inspected

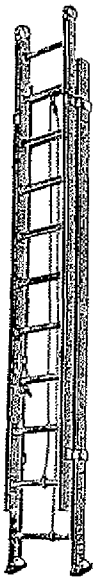
Rungs 1⅛" Hickory, ends dipped in 5% Penta. Steel guide irons riveted to steel, "B" spring locks; rope and pulley. 2 pr. steel rung braces per section. Zinc plated hardware. Also available in 3 sections.

16' to 32' — Rails 1⅜" x 2¾".
34' to 40' — Rails 1⅜" x 3".
42' to 44' — Rails 1⅜" x 3½".

Size Ft.	Each	Size Ft.	Each	Size Ft.	Each
16	$37.76	26	$61.36	36	$ 92.16
18	42.48	28	66.08	38	97.28
20	47.20	30	70.80	40	107.20
22	51.92	32	75.52	42	136.08
24	56.64	34	87.04	44	142.56

WERNER

FIBERGLASS-NON-CONDUCTIVE REINFORCED SINGLE AND EXTENSION LADDERS



High strength non-conductive, glass reinforced polyester resin side rails, 3½" wide, 1⅛" flange. Slip-resistant, serrated 1¼" O.D. extruded aluminum rungs, spaced on 12" centers.

Gravity type, automatic, spring-loaded die-cast aluminum safety locks grip two rungs. Internal nylon coated guides are employed for free sliding action of base and fly section. Extra heavy vinyl bonded orange end caps. Free swinging, self-aligning, safety shoes with corded rubber, slip-resistant treads and ice pick feet.

Rungs are hydraulically swaged into rung plates by the ALFLO® (patented) HYDRO-LOK™ process which insures a TWIST-PROOF™ assembly. After the rungs and plates have been assembled the plates are securely riveted at the four corners into the fiberglass side rails with solid high strength aluminum rivets.

Electrical Characteristics

A — Dielectric strength of web is 46KV or 350 volts/mil.

B — Dielectric strength of flange is 48KV or 240 volts/mil.

C — Between the rungs 12" apart, flash over occurs at 90KV.

D — Between the rungs 24" apart, flash over occurs at 182KV.

Single Ladders

Nominal widths: outside rails 16¼".

Cat. No.	Lgth. Ft.	Wt. Each Lbs.	Each
7508	8	21-1/2	$39.00
7510	10	25-1/2	48.50
7512	12	29-1/2	58.25
7514	14	33-1/2	69.00
7516	16	37-1/2	80.00

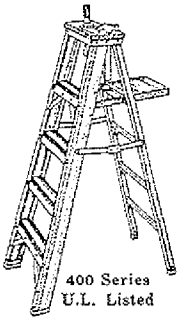
Two Section Extension Ladders

Nominal widths: fly section outside rails 16¼", base section outside rails 19".

Cat. No.	Lgth. Ft.	Working Lgth. Ft.	Overlap	Wt. each Lbs.	Each
7516-2	16	13	3	42	$ 84.00
7520-2	20	17	3	50	105.00
7524-2	24	21	3	57-1/2	125.00
7528-2	28	25	3	65	147.00
7532-2	32	28	4	74	169.00

WERNER

HEAVY MECHANICS STEPLADDER



400 Series
U.L. Listed

Strength, rigidity and safety are built-in features of these heat-tempered aluminum alloy stepladders. Designed with the tradesman in mind. "Job rated" by professional painters and mechanics.

The exclusive Tool-Tra-Top® gives added working convenience and extra rigidity. The sturdy pail holder with cross ribs easily exceeds load requirements. Pinch proof spreader bars prevent hand injuries when closing the ladder. Double solid riveted steps with slip resistant design are deep channel extrusions for extra safety.

Cat. No.	Size Ft.	Approx. Shpg. Wt. Lbs.	Each
404	4	13-1/2	$19.25
405	5	16-1/2	23.00
406	6	20-1/2	26.75
408	8	29	37.50
410	10	37-1/2	50.00
412	12	47	62.00

SINGLE AND FRONT LOADING MECHANICS LADDERS



D1500 SERIES

Modified 3" "I" beam rails of maximum strength and minimum weight along with exclusive new front loading feature highlight the many outstanding construction features of the extension ladder. Quality built for painter and mechanic to handle all general purpose applications. Designed for everyday use. Exclusive patented Alflo Hydro-locked rung joints make the rungs spin-proof and the ladder twist-proof. A patented continuous rope makes separation of the two-section ladder as quick as a twist of the wrist. Heavy duty gravity type safety locks are automatic positive-acting spring-loaded die-cast aluminum designed to fully engage two rungs.

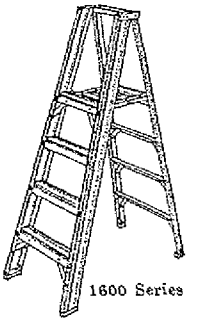
Single Ladders

Cat. No.	Nom. Lgth. Ft.	Approx. Shpg. Wt. Lbs.	Each
D1508	8	12-1/2	$14.75
D1510	10	15	18.50
D1512	12	18	22.25
D1514	14	21	26.50
D1516	16	25	31.25
D1518	18	30	36.50
D1520	20	35	41.50

FRONT LOADING EXTENSION LADDERS

Cat. No.	Nom. Lgth. Ft.	Overlap Ft.	Work. Lgth. Ft.	Approx. Shpg. Wt. Lbs.	Each
D1516-2	16	3	13	27	$30.00
D1520-2	20	3	17	33	37.50
D1524-2	24	3	21	39	45.00
D1528-2	28	3	25	46	53.25
D1532-2	32	3	29	55	63.00
D1536-2	36	3	33	65	72.00
D1540-2	40	4	36	74	83.50

HEAVY MECHANICS PLATFORM LADDER



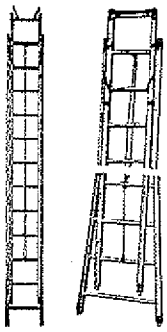
1600 Series

A real work horse — built for use and abuse. Ideal for craftsmen and everyday general purpose duty. The convenient hand rail and safety guard has a nominal outside width of 14¼". The solid aluminum work platform provides over 200 sq. in. of working area—for standing, turning, reaching, without fear of tipping. Rugged rails of extruded tempered aluminum are jointed by heavy horizontal cross braces to accommodate work planks.

Cat. No.	Overall Ht. Ft.	Size* Ft.	Approx. Shpg. Wt. Lbs.	Each
1604	6	4	20	$30.50
1606	8	6	26½	40.50
1608	10	8	37	56.00
1610	12	10	48	68.50

*Size is length of front rail to platform.

OSHKOSH
SAFETY EXTENSION LADDERS



Designed and built especially for public utilities.

When extending the ladder, the locking device lifts up automatically to allow the rungs to pass; but, the instant operator lets go of rope, the locking device drops in place and the top section is firmly locked. To lower, the operator gives a slight pull on rope, then lets top section descend slowly—it cannot drop accidentally.

Side rails are straight-grained, properly seasoned airplane spruce. Rungs are tough Mountain Hickory, absolutely straight-grained. Each rung has a shouldered tenon joint which is pressed tightly into side rails, assuring a safe, tight fit. The side rails of each section are connected at top, middle and bottom with steel tie rods.

Each section is equipped with safety-tips and pikes and either section can be used as an individual ladder.

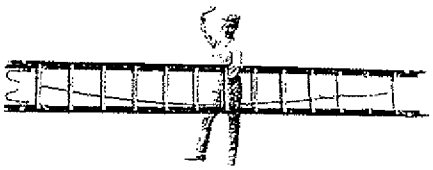
Other exclusive safety features: rubber faced tips; transparent safety finish; safety pole grippers; rubber guarded safety pikes. All metal parts are parkerized.

For Straight Side Rails add letter "S" to number; for Flared Side Rails add letter "F".

Cat. No.	Total Length Ft. of Sections	Maximum Working Length Ft.	Each	Cat. No.	Total Length Ft. of Sections	Maximum Working Length Ft.	Each
EX-16	16	13	$55.55	EX-32	32	29	$101.00
EX-18	18	15	62.30	EX-34	34	31	107.70
EX-20	20	17	68.85	EX-36	36	33	114.20
EX-22	22	19	73.70	EX-38	38	34	121.50
EX-24	24	21	80.20	EX-40	40	36	127.65
EX-26	26	23	86.85	EX-42	42	38	134.20
EX-28	28	25	87.80	EX-44	44	40	140.80
EX-30	30	27	94.50	EX-46	46	42	148.00

Average Weight per Foot approx. 2½ lbs.

GAMBLE BROS. ELECTRICALLY SAFE TYPE D LADDERS



Wood laminated I-beam construction. Non-conductive, lightweight, straight-grained Sitka Spruce side rails. Tough, high-strength hickory, laminated to rail faces with 100% waterproof adhesive. High-strength, lightweight aluminum alloy rungs.

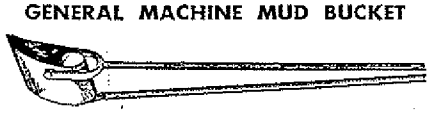
Factory-finished with green pigmented water-repellent, wood preservative.

Description	Wt. Lbs.	Each
24' Ladder, Extension, Type D	45	$103.33
28' Ladder, Extension, Type D	52	114.67
Bottom or Top Section, 24' Ladder	23	$59.04
Bottom or Top Section, 28' Ladder	26	65.44
12 Ladder, Single Section	22	$54.28
14' Ladder, Single Section	25	60.16

Additional charges for optional equipment to be added to above prices when specified:

Equipped with Strand Hooks	$12.67
Equipped with Spurs	3.67
Equipped with Safety Shoes	6.40

GENERAL MACHINE MUD BUCKET



The answer to the utility man's problem when the going is tough. Eliminates the makeshift lard cans, buckets or other receptacles which have to be used whenever water, mud or slush are encountered. Made of sturdy aluminum with mechanical steel bushings on all pivot points. Tested under the most severe conditons and proven to be durable and long-lived. 8-foot handles. Bucket capacity, 5 qts. liquid measure. Overall length 9 ft., 1 in. Weight 9 lbs.

No. G100 Mud Bucket ..... each $35.00

IGLOO WATER COOLERS & ICE CHESTS

HEAVY INDUSTRIAL METAL
Foamed-In-Place Polyurethane Insulation



The tough 300 Series features heavy galvanized, fully corrugated outside construction with double-locked seams and a solid reinforced bottom. Smooth (Perm-A-Lined) inner liner permanently bonded to galvanized steel. Foamed-in-place polyurethane insulation keeps contents cold longer.

A no-drip, no-rust nylon spigot is recessed for added safety. Handles have rolled edge for easier use. Cup dispenser brackets are attached.

The 500 Series is essentially the same with the addition of high-quality stainless steel interior lining. Both series fit standard truck racks.

All sizes (except 2 and 3 gallon) come with lid keeper cord.

No. 500 Series — Stainless Steel Lined

Model No.	Cap. Gals.	O.D. In.	OA. Ht., In.	Shpg. Wt. Lbs.	Each
521	2	10⅞	14	7	$16.03
531	3	10⅞	18¾	9	17.01
551	5	12¾	21⅜	12½	21.00
5101	10	15¾	24½	19½	30.10
		Tall Utility Model			
*5351	5	10⅝	29	12	30.10

No. 300 Series — Perm-A-Lined

Perm-A-Lined inner liner permanently bonded to steel.

Model No.	Cap. Gals.	O.D. In.	O.H. In.	Shpg. Wt. Lbs.	Each
321	2	10⅞	14	7	$11.13
331	3	10⅞	18¾	9	12.18
351	5	12⅞	21⅛	12½	14.77
3101	10	15⅞	24½	19½	19.95
3151	15	15⅞	31	24	28.56
		Short Compact Style			
3051	5	15⅞	15¼	13	15.40
		Tall Utility Style			
*3351	5	28⅞	18	10¾	19.95

*Have side drop handles.

LIFETIME ALL-PLASTIC
Foamed-In-Place Polyurethane Insulation



Plastic coverall lid fit snug, keeps water, dus and dirt out; built-in han dle accommodates heav work gloves.

Made inside and out o heavy high-impact plastic stronger than a footbal helmet. Molded-in color i guaranteed for five year in exposure to all weathe conditions.

Foamed-in-place polyure thane insulation keeps liq uids cold, clean, sanitary all-plastic lining; light weight and rugged.

No. 400 Series — All Plastic

Model No.	Act. Cap., Gals.	O.D. In.	Wt. Height OA. In.	Wt. Ea. Lbs.	Each
421*	2	11	11¾	4½	$5.9
431*	3	12¾	14¼	5	9.7
451*	5	12¾	20½	7	12.5
4101**	10	15 15/16	23¼	11	20.9

All available in safety colored red and yellow.
*Will fit 5 gallon truck rack.
**Will fit 10 gallon truck rack.

48 QUART ICE CHEST



Durable construction, with solid one-piece inn and outer liner . . . holds ice up to three day Constructed with high-impact plastic, this chest wi take a beating. Won't chip, dent, or rust. Guarantee by Good Housekeeping.

Model No.	Color	Cap. Qts.	Dimensions In.	Each
60	Aqua	48	24x14x13½	$18.8
70	Red	48	24x14x13½	18.8
80	Blue/White	48	24x14x13½	18.8

ALLEN UNDERGROUND UTILITY MARKING TAPE



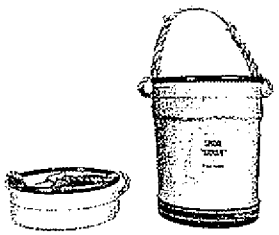
Long life, colorful polyethylene tape, impervious to the elements, is shallow-buried by trenching or plowing a few inches below grade directly over the electric or telephone line.

Thus, future excavators will encounter the brightly colored tape almost immediately, complete with printed warning and instructions.

Standard tapes are permanently printed with the words "CAUTION CAUTION CAUTION BURIED ELECTRIC LINE BELOW" or "CAUTION CAUTION CAUTION BURIED TELEPHONE LINE BELOW". The message is repeated continuously the length of the tape.

Width	Feet Per Roll	Per Roll
6"	1200	$36.00

"STRINGER" STOWKIT® TOOL BUCKETS



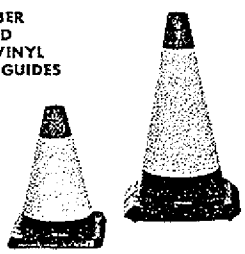
Handle is polypropylene rope. The top is a 4 fiber ring with rolled edge for greater strength Bottom is made of ⅜" wax-impregnated oak leathe which extends 2" up the side of the bucket. an is nylon sewn. Stowkit includes a 6"x6" inside pocket with two 1" tucks (open 6"x8") as stand ard. Body is made of No. 6 heavy-duty canva duck. Bag completely telescopically collapses fo convenient storage (illustration).

No. LS-12-150P 12" top and bottom; 15" deep ..... Each $9.9

No. LS-10-120P 10" top and bottom; 12" deep ..... Each 9.2

RADIATOR SPECIALTY SAFE-T-CONES

RUBBER AND POLY-VINYL TRAFFIC GUIDES

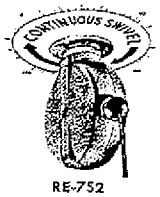


Authorities throughout the country have approve and accepted SAFE-T-CONES as the ideal answe to traffic problems. Their special construction allows them to be "stacked" or "nested" in a smal place. Lightweight — easy to handle — ready fo immediate use.

12RB	12" Rubber, Black & Yellow	each	$1.5
12PY	12" Polyvinyl, Yellow	each	1.6
12PO	12" Polyvinyl Fluorescent	each	1.7
18RT	18" Rubber Tricolor	each	2.7
18PY	18" Polyvinyl, Yellow	each	2.4
18PO	18" Polyvinyl Fluorescent	each	2.7
28RT	28" Rubber Tricolor	each	4.8
28PY	28" Polyvinyl, Yellow	each	5.7
28PO	28" Polyvinyl Fluorescent	each	5.9

APPLETON PORTABLE REELITES

RE-7S2 PORTABLE REELITE



RE-752

Re-designed throughout, the RE-7S2 Portable Reelite is the finest 7-inch reel ever sold. Outstanding among its many features is its continuous swiveling action. Double silver alloy collector brushes permit free rotation of the entire reel in either direction without power interruption or tangling of cord. Designed for vertical pendant mounting. Fits neatly over 4-inch octagonal outlet box; installation is quick and easy. Bracket RE-WB1 permits wall mounting.

1500 SERIES PORTABLE REELITES


RE-1519

This series of portable type Reelites offers most of the features of the 7S series, except continuous swivel action. No. RE-1532 is a 5½" Reelite with 12 feet of cord, for use where space is limited. The 1500 Series also includes several models 10 inches in diameter, housing up to 50 feet of cord and servicing a 100-ft. circle. Finish in durable baked gray enamel.

APPLETON PORTABLE REELITE CAT. NOS. 250 VOLT RATING

Cat. No.	Cord Length Feet	Amp.	Cord Type*	Dia. of Reelite Inches	Each
RE-1532	12	10	16-2SJO	5½	$15.35
RE-7S2	25	6	16-2SJO	7	17.70
RE-1521‡▲	25	5	18-2	7¾	18.25
RE-1511‡▲	50	4	18-2	10	27.15
RE-1519	40	6	16-2SJO	10	25.75
RE-1520▲	50	4	18-2SJO	10	29.15

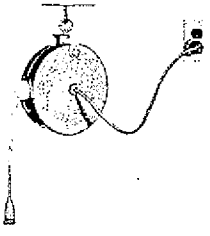
*Reelites listed with 16-2 and 18-2 SJO cord will be supplied at extra cost with 18-3 SJO cord, one conductor being grounded to reel frame. To obtain this grounding safety feature, add "G" to catalog number when ordering as "RE-1532G," etc.

‡Designated for cloth cutting machine use. ▲Will not support weight of handlamp.

BENJAMIN ROTA-REEL

ELECTRIC EXTENSION CORD REELS

For Use with Power Tools



MODEL 800-4

Cord set 25 feet long SJO 16/3, equipped with female connector, rated 10 amps, weight 10 lbs.

Also available for junction box and wall mounting.

Model 800-4 ..... each $27.75

MODEL 995

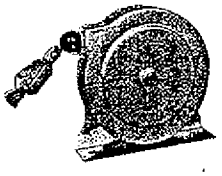
Cord set 20 feet long, SVO 18/2, equipped with handle and guard and tool tap, rated 7 amps, Wt. 4½ lbs.

Also available for junction box and wall mounting.

Model 995 .....each $13.50



GROUNDING REELS FOR STATIC DISCHARGE SERIES 700-H

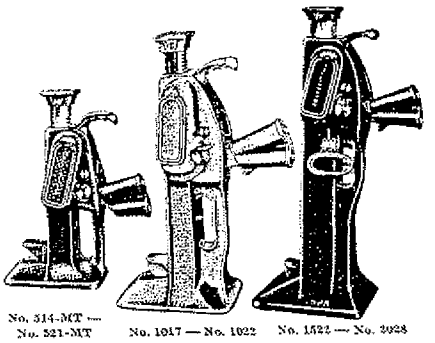


Accommodates ⅛" diameter aircord steel galvanized cable having a tensile strength of 1000 pounds. Standard 100 ampere clip furnished, not balled unless otherwise specified. 200 amp clip also available. 2⅛" wide x 8" x 8".

Model No.	Cable Lgth. Ft.	Ratchet Latching	Wt. Lbs.	Each
700H-40-GO	40	No	6½	$28.50
700H-40-GOR	40	Yes	6½	29.50
700H-50-GO	50	No	7	29.50
700H-50-GOR	50	Yes	7	30.50

DUFF-NORTON JACKS

RATCHET LOWERING JACKS


No. 514-MT — No. 521-MT | No. 1017 — No. 1022 | No. 1522 — No. 2028

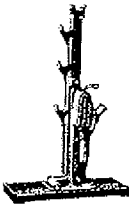
Capacities from 5 to 20 tons. All 5-ton models furnished with double round sockets and steel operating lever 1" x 30" long; 10-ton and 15-ton models have lever 2⅞" x 66" long; 20-ton jack has single round socket and steel operating lever 1¼" x 60" long.

Cat. No.	Ht. In.	Raise In.	Base In.	Head In.	Foot Lift Ht. In.	Each
Capacity Tons — 5						
514-MT	14	7½	5¼ x 7¾	2½ x 2¾	1½	$48.80
516-MT	16	9½	5¼ x 7¾	2½ x 2¾	1½	53.80
521-MT	21	14½	5¼ x 7¾	2½ x 2¾	1½	57.95
Capacity Tons — 10						
1017	17¼	9	7 x 10¼	3 x 3	2¼	70.85
1020	20	10½	7 x 10¼	3 x 3	2¼	83.20
1022	22	12½	7 x 10¼	3 x 3	2¼	83.20
Capacity Tons — 15						
1522	22	11½	8 x 11	3 x 3½	2½	121.45
1528	28	17½	8 x 11	3 x 3½	2½	122.55
Capacity Tons — 20						
2028	28	18	8 x 11	3 x 3½	2½	133.60

CABLE REEL JACKS


No. 524-MCR


No. 529-CR — No. 530-CR


No. 1022-CR

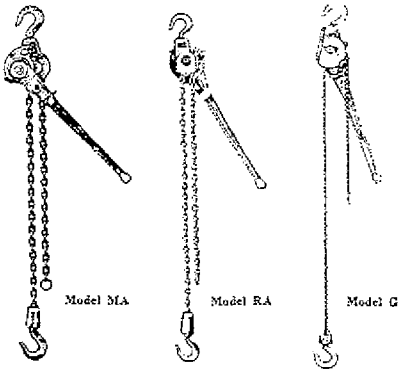

No. 1030-CR

520-CR — Screw jack for reels 42" to 60" dia.
530-CR — Screw jack for reels 60" to 90" dia.
524-MCR — Ratchet jack for reels 20" to 60" dia. Furnished with double round sockets and steel operating lever 1" x 30".
1030-CR — Ratchet jack for reels 20" to 84" dia. Furnished in left and right hand pairs, single round socket with operating lever 1¼" x 60". Solid oak "T" frame base.
1022-CR — Ratchet jack for reels 25" to 90" dia. Furnished with single round socket and steel operating lever 1¼" to 60".

Cat. No.	Cap. Tons	Ht. In.	Raise In.	Base In.	Wt. Lbs.	Each
520-CR	5	20	11½	12⅜ x 26⅝	87	$65.35
530-CR	5	30	16½	15¾ x 39½	110	84.00
524-MCR	5	23¼	-14	8¾ x 18	74	84.75
1030-CR	10	30	14	.....	134	158.30
1022-CR	10	38	12	9⅜ x 24	126	148.50

COFFING HOISTS

MODELS MA, RA AND G LEVER HOISTS


Model MA | Model RA | Model G

Model MA Disc Brake Type — Capacities ¾ to 6 tons. A safety pull sealed aluminum lever hoist with efficient disc brake and link-type chain. Five special seals protect brake mechanism against moisture, chemicals, oil and dirt so that brake performance remains constant under exposure conditions. Aluminum frame for additional corrosion resistance and light weight.

Model RA Ratchet and Pawl Type — Capacities ¾ to 6 tons. A safety pull aluminum lever hoist of ratchet and pawl design with link-type chain. Ratchet and pawl system provides safe, easy operation and freedom from maintenance. Body and handle of high-strength aluminum alloy for light weight and corrosion resistance.

Model G Ratchet and Pawl Type — Capacities ¾ to 15 tons. A safety pull lever hoist of ratchet and pawl design with roller-type chain. Ratchet and pawl construction assures safe, sure operation and freedom from maintenance. Body and handle of certified malleable iron.

Cat. No.	Rated Cap. Tons	Std. Lift In.	Av. Lever Pull Req. for Full Load, Lbs.	Min. Dist. Betw. Hooks In.	Each
Model MA — Aluminum Alloy					
MA-15	¾	60	57	12½	$74.00
MA-15-2*	1½	60	58	16⅛	94.00
MA-30	1½	60	82	14¾	103.00
MA-30-2*	3	60	87	17¼	129.00
MA-30-3	4½	60	90	22	236.00
MA-30-4	6	60	93	22	254.00
Model RA — Aluminum Alloy					
RA-15	¾	60	59	12¾	$74.00
RA-15-2*	1½	60	60	17¾	94.00
RA-30	1½	60	82	14¾	103.00
RA-30-2*	3	60	93	17¾	129.00
RA-30-3	4½	60	96	22	236.00
RA-30-4	6	60	97	22	254.00
Model G — Malleable Iron					
AG	¾	56½	56	13	$74.00
AGI†	¾	56½	56	13	84.00
ATG	1½	57	60	15	94.00
ATGI†	1½	57	60	15	99.00
FG	1½	56½	116	16	103.00
FGI†	1½	56½	116	16	113.00
FTG	3	57	120	17	129.00
FTGI†	3	57	120	17	138.00
ZG-4½	4½	51	124	25	236.00
ZG-6	6	53	124	25	254.00
WG-9	9	60	124	30	502.00
WG-11	11	60	124	30	540.00
WG-13	13	60	124	30	590.00
WG-15	15	60	124	30	639.50

*Special malleable swivel hook available at no extra charge if desired. Order with "W" suffix to catalog number. Reduces minimum distance by approx. 1".

†Double pawls — can be operated with half strokes of lever for use in close quarters.

Note: All Model G multiple chain hoists through 6 tons can easily be converted to the next smaller capacity for longer lift and faster operation.



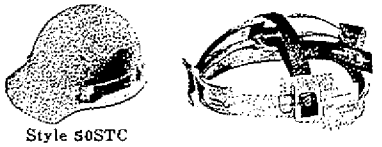
MIDGET PULLER

Capacities ¼ and ½ tons. Provides great pulling power in a small, light weight unit. Handle can be used as a lever or high-speed crank. MP-5 has safety snap hooks. MP-100 has open throat hooks. Easily portable — can be carried in tool box measuring 3½" x 5" x 13".

Cat. No.	Rated Cap Tons	Std. Takeup In.	Approx. Net Wt. Lbs.	Each
MP-5	¼	57	6½	$43.00
MP-10	½	56½	9½	55.00

WILLSON® HEAD PROTECTION

POLYCARBONATE "ALL PURPOSE" CAP
With Geotec® Suspension System

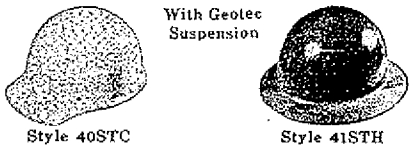


Style 50STC

This rugged, all-purpose cap meets requirements of the American National Standards Institute, Federal Specifications and the Edison Electric Institute.

FIBER GLASS HEADGEAR

With Geotec Suspension

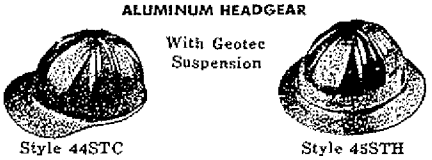


Style 40STC — Style 41STH

Light and cool, with a smooth, nonsnagging surface. Very high tensile strength-weight ratio, impervious to moisture and most chemicals.

ALUMINUM HEADGEAR

With Geotec Suspension



Style 44STC — Style 45STH

Most comfortable safety cap for workers wanting the coolest head protection in hot weather. This cap meets USDA Forest Service Specification 177a.

JET CAP® WITH RAIN TROUGH



Style 66JC — Style 67JH

Keeps rain from dripping down wearer's neck and back. Peaked crown increases strength and provides additional safety. Design enables wearing of sound barrier ear protection. Made of tough, durable plastic. Total weight less than 13 ounces. Meets requirements of the ANSI, Federal Specifications and the Edison Electric Institute.

NEW FEATHER-KAP® HEAD PROTECTION

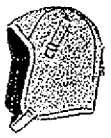


Style 65FC

Featherlight bump cap is made of durable plastic with replaceable vinyl suspension. Nape style suspension holds cap firmly in position on windy days.

Suspensions: White, w/white, yellow w/yellow, all other colors have gray suspensions.

WINTER LINER



Style WL18

For wear with dielectric hats and caps. Popular fleece-lined chino khaki garbardine. Plastic buckles. Adjustable chin strap. Large or small size.

Style WL11 LINER, economy, gold-color, fleece-lined twill. Specially treated to be flame retardant. Single universal size.

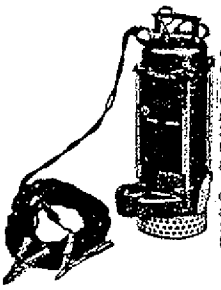
Style WL20 QUILTED LINER for wear with dielectric hats and caps in extremely cold weather. Universal size. Plastic buckles.

ORDERING INFORMATION

Style/Part	Description		Each
50STC	Polycarbonate Cap. HC424 suspension. Colors: yellow, white red, green, gray, and orange, blue.	1-95 96-497 498-995 996 plus	$4.75 4.55 4.35 4.15
40STC	Fiber Glass Cap. HC425 suspension. Standard colors: white, red, yellow, green, and gray.	1-95 96-497 498-995 996 plus	4.50 4.15 3.80 3.45
41STH	Fiber Glass Hat, Suspension and colors same as above.		
44STC	Aluminum Cap. HC425 suspension. Standard colors: natural, red, blue, green, and yellow.	1-95 96-497 498-995 996 plus	4.60 4.35 4.10 3.95
45STH	Aluminum Hat. Suspension and colors same as above.		
65FC	FEATHER-KAP bump cap. Colors: white, yellow, blue, green, orange, red and gray.	1-95 96 plus	2.40 2.20
66JC	Jet Cap HC424 Geotec Suspension. Colors: white, orange, yellow, green, blue, red, gray, tan and gold.	1-95 96-251 252-497 498 plus	4.00 3.50 3.40 3.30
67JH	Jet Hat, Suspension and colors same as above.	1-95 96-251 252-497 498 plus	4.00 3.50 3.40 3.30
HC417	Suspension complete, including sweat-band for 65 FC. (Specify gray, white or yellow.)		1.40
HC424	Replacement GEOTEC suspension with integral nape strap and vinyl sweatband for polycarbonate and Jet Caps and Hats		1.70
HC425	Replacement GEOTEC suspension with integral nape strap and vinyl sweatband for fiberglass and aluminum caps and hats.		1.70
WL11	Economy Twill Winter Liner, flame retardant.	1-71 72 plus	1.00 .90
WL18	Gabardine Winter Liner, dielectric, small or large.	1-71 72 plus	2.10 1.90
WL20	Quilted Winter Liner, dielectric, universal size.	1-71 72 plus	2.65 2.40

D&O EQUIPMENT

MANHOLE PORTA PUMP



Pump is submersibl explosion proof, whisp quiet, electrically sa and is 12 volt batte operated. Set-up in minutes; pumps water 3 seconds. No primi time, suction hose, oil grease.

Includes 30' powe cable with battery cli and 1½" discharge wi female tapered pi threads.

Cat. No.	Description	Lbs.	Shpg. Wt.	Each
SPA1½-ET	Manhole Porta Pump	36.5		$215.0
	30' Extension, 2-conductor #8, for pumps w/clips	6		24.5

HOSE AND ACCESSORIES

1½" PVS plastic discharge hose, part "E", aluminum Ever-Tite quick male adapter one end, typ "C" female coupled other end, and type "F" loos male adapter with male thread for connection a pump.

Cat. No.	Description	Shpg. Wt. Lbs.	Each
Q-10	10' Length	6	$31.0
Q-15	15' Length	8	37.5
Q-20	20' Length	10	44.0
Q-25	25' Length	12	51.0

Note: Accessories with 1½" PVS plastic discharge hos coupled male KC nipple one end and female pin lug swive coupling other end, and loose close coupled nipple for pump also available.

HEYMAN SAFETY BLANKET CLAMPS

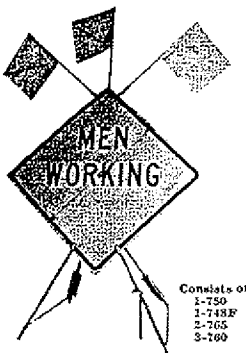


Used for clamping rubber blankets, holding rubber hose in place, and all phases of safety protection for the individual.

Features serrated teeth for better gripping, large perforation for fuse pulling and, in extreme emergencies, can be utilized to hold hot wires, non corrosive waterproof-nylon with 6" mouth opening.

Clamp is 100% non-conductive of electricity having an encased spring. There is no danger o pinching wires, blankets or hose. Color Phasing Red, Black, Green, etc. meet the National Utilit and Phasing Specifications. Each $1.5

HOMACO SLIMLINE
STEEL SIGN HOLDER-ALUMINUM SIGNS



The No. 750 Sign Holder is made of structural steel angles and accommodates a range of sign sizes from 30" x 30" to 48" x 48". A base area of 45" x 45" covered by the four legs when opened, providing excellent stability with high speed traffic and high winds. 15 lbs. leg weights and staples to be driven into the ground are available for severe conditions. When folded the No. 750 requires a minimum of truck or storage space.

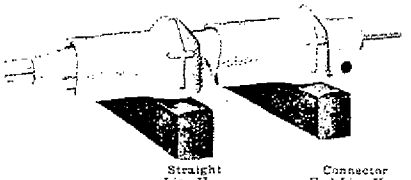
Finish: Caution Orange enamel. Special Colors or galvanizing quoted on request. All signs are sturdy aluminum with a Scotchlite reflective surface.

All items conform to the recommendations of the United States Dept. of Commerce, Bureau of Roads.

Cat. No.	Description	Shpg. Wt. Lbs.	Each
750	Sign Holder — sign low point; 18"	23.5	$16.96
750W	Sign Holder — sign low point; 30"	26.5	18.00
760	Flag — 18" x 18" with 36" staff	1	1.70
730F	Folding Sign — 30" x 30" AL. Reflect.	9	27.55
736F	Folding Sign — 36" x 36" AL. Reflect.	12.5	38.85
748F	Folding Sign — 48" x 48" AL. Reflect.	21.5	60.00
730	Sign — 30" x 30" AL. Reflect.	8.5	23.30
736	Sign — 36" x 36" AL. Reflect.	12	32.35
748	Sign — 48" x 48" AL. Reflect.	21	53.45
765	Leg Weight	16.5	7.1
770	Staple	.5	.5

All Standard Sign Legends available.

RIB GRIP LINE HOSE



I.D. In.	Lgth. Ft.	Straight Line Hose Cat. No.	Each	Connector End Line Hose Cat. No.	Each
1	3	R100-3	$4.75	R100-3C	$8.45
1	4½	R100-45	6.70	R100-45C	11.05
1	6	R100-6	9.00	R100-6C	13.80
1¼	3	R125-3	5.70	R125-3C	11.75
1¼	4½	R125-45	8.45	R125-45C	15.25
1¼	6	R125-6	11.00	R125-6C	18.45
1½	3	R150-3	8.20	R150-3C	15.90
1½	4½	R150-45	11.30	R150-45C	18.95
1½	6	R150-6	14.50	R150-6C	22.70

Rib Grip Insulator Hoods

Cat. No.	Hose Size, In.	Insulator Class	Wt. Lbs.	Each
FRG	1	1, 2, 3	5	$10.95
JRG	1	4	6½	12.60
KRG	1¼, 1½	5	7½	13.15

Also available in Corona Resistant Orange Salcor. Prefix Cat. No. with letter "O" Price on application.

UBANGI LINE HOSE

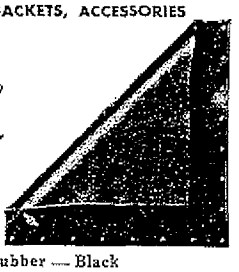


For Hot Stick or Glove Application

Cat. No.	Description	Wt. Lbs.	Each
U150-3	1½" I.D. x 3'	5½	$12.10
U150-45	1½" I.D. x 4½'	7¾	18.20
U150-6	1½" I.D. x 6'	10½	24.20
UH	Ubangi Hood	5	16.45
UC	Ubangi Connector	2¼	7.95
USC	Ubangi Stirrup Cover	4	24.95
UA-2	Ubangi Applicator 24"	3¾	23.75
UA-3	Ubangi Applicator 36"	4	24.15
	Line Hose Bags		
48	Line Hose Bag 48" x 7" dia.	2¾	10.00
60	Line Hose Bag 60" x 7" dia.	3	11.55
66	Line Hose Bag 66" x 7" dia.	3½	12.65
72	Line Hose Bag 72" x 7" dia.	3½	13.25

BLANKETS, JACKETS, ACCESSORIES





All Rubber — Black

Cat. No.	Description	Wt. Lbs.	Each
300	Plain 36" x 36"	7¼	$16.60
300E	With Eyelets, 36" x 36"	7¼	16.60
400	Plain 27" x 36"	5	14.70
400E	With Eyelets 27" x 36"	5¾	14.70
	Pure Gum Center		
500	Plain 36" x 36", Maroon	7	19.80
500E	With Eyelets, 36" x 36", Maroon	7½	19.80
900E	Salcor Corona Resistant 36" x 36", Orange	8½	22.35
1100	Slotted 36" x 36", Black	7¼	18.25
1500	Snap Button 36" x 36", Black	8	16.60
12	Snap Button Jacket 22" x 22", Black	2½	8.30
14	Slotted Snap Button Jacket 22" x 22", Black	2¾	8.45
B-1	Hard Rubber Blanket Buttons		.10
20	Curved Jaw Blanket Pins, 3½"	¼	1.00
25	Large Jaw Blanket Pins, 6½"	⅛	.70
36	Canvas Blanket Roll-Up, 36" x 36"	3	9.15
	Blanket Canisters		
1	For 1 Blanket, 4" x 37"	3¾	$8.20
2	For 2 Blankets, 5" x 37"	4¾	8.80
3	For 3 Blankets, 6" x 37"	5¾	9.65
4	For 4 Blankets, 7" x 37"	6¾	10.50
5	For 5 Blankets, 8" x 37"	7¾	13.65
6	For 6 Blankets, 9" x 37"	9	14.05





LEATHER PROTECTORS

RUBBER GLOVES

CURVED HAND LINEMEN'S RUBBER GLOVES

(Specify size 9, 9½, 10, 10½, 11, 11½ or 12)

Cat. No.	Class	Volt KV	Lgth. In.	Wt. Lbs.	Per Pair
10-14"	1	10	14	1¾	$11.75
10-16"	1	10	16	2	12.65
10-18"	1	10	18	2⅛	14.40
15-14"	2	15	14	1¾	13.10
15-16"	2	15	16	2	14.05
15-18"	2	15	18	2⅛	15.65
20-14"	3	20	14	1⅞	14.40
20-16"	3	20	16	2	16.40
20-18"	3	20	18	2⅛	18.05

Furnished in standard maroon unless specified black.

METERMEN'S LOW VOLTAGE RUBBER GLOVES

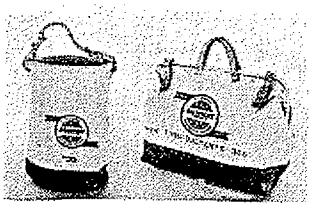
(Specify size 9, 9½, 10, 10½, 11, 11½, or 12)

Cat. No.	Description	Per Pair
5–11"	Yellow, Class 0, Proof Test Voltage 5 KV, Working Voltage 750 Volts	$6.40
200S	Low Voltage Sheepskin Protector	4.40

LINEMEN'S BUFFED LEATHER GLOVE PROTECTORS AND COTTON LINERS

120C-4"	Full 4" Gauntlet (Specify Size)	$6.60
120C-6"	Full 6" Gauntlet (Specify Size)	7.00
132	Rubber Cuff 6" (Specify Size)	7.90
156-4	Full 4" Cuff Clute Pattern (Specify Size)	6.30
65-K	White Military, Knit Wrist Glove Liners	.70
95-K	Tan Fleece Lined, Knit Wrist Liners	.90

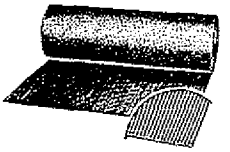
GLOVE AND TOOL BAGS





Cat. No.	Description	Wt. Lbs.	Each
35-12	For 11" Low Volt Gloves	⅝	$4.05
35-14	For 14" Gloves	¾	5.00
35-16	For 16" Gloves	⅞	5.60
35-18	For 18" Gloves	1	6.15
30	Tool Bag — 16" High	2¾	11.25
618	Troublemen's Bag — 18" Long	4¼	8.35
620	Troublemen's Bag — 20" Long	4½	12.90
622	Troublemen's Bag — 22" Long	4¾	13.45
624	Troublemen's Bag — 24" Long	5	13.95
40	Tool Bag — 14" High	1¾	14.65

SWITCHBOARD MATTING

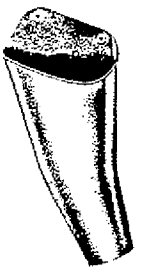


Meets A.S.T.M. Specifications

Nominal roll length—25 yards.

Cat. No.	Size	Wt. Lbs. Lin. Yard	Per Lin. Yard
M24	¼" x 24" Wide	9	$9.35
M30	¼" x 30" Wide	12	11.00
M36	¼" x 36" Wide	15	12.20

SLEEVES AND ACCESSORIES



No. 86



No. 90

Standard Weight Sleeves

Cat. No.	Proof Test Voltage	Color	Size	Wt. Lbs.	Per Pair
75-10B	10 K.V.	Black	Regular	3⅛	$19.50
80-15M	15 K.V.	Maroon	Regular	3¾	22.95
90-15M	15 K.V.	or	X-Large	4½	24.05
95-20M	20 K.V.	Black	Regular	4	25.95

Prices include 2 straps and 4 buttons per pair. If H-1 sleeve harness is required, add $0.35 per pair.

Cat. No.	Description	Wt. Lbs.	Each
T31	Tube Shape Sleeve Bag 31"	¾	$5.50
R31	Sleeve Roll-Up 31"	1	5.15

SAWYER-TOWER SAFETY AND PROTECTIVE CLOTHING

INDUSTRIAL SUITS



TUFFLON™

Medium Weight Neoprene Coated Nylon

Best quality nylon fabric Super Bond coated, then multi-coated on outside only with duPont neoprene—ideal for abrasion, tear and snag hazards and in warm climates and areas.

Particularly Recommended For: normal industrial contamination — where abrasion is a problem—where extra light weight is needed.—where snagging, tearing are hazards.

No. 80-326 — Jacket — Raglan sleeves, buttons on collar for attaching hood. Yellow and Hunters Green ..... each $8.45

No. 81-325 — Overall — bib-style, safety-fly front, elastic suspenders. Yellow and Hunters Green. ..... each $8.45

No. 83-333 — Sou'wester — soft sweat band, no lining, tie strings. Yellow only ..... each $2.35

No. 88-001—Hood—button-on style, draw string, buttonholes. Yellow and Hunters Green ..... each $2.60

Weight of suit with hood, under 2 lbs.

LINEMEN'S SUITS TUFFPRENE™

Medium Weight Neoprene Coated Cotton — Yellow Only



For moderate weight, good protection against oil and grease, abrasion, tearing and snagging. Finest medium weight cotton, multiple coats of neoprene on outside of fabric (saturation coat inside.) All seams double-locked, stitched, spray-sealed and cured. Tension points reinforced.

Particularly recommended for: All utilities — general industrial use — petroleum products — warm climates.

No. 50-334 — Jacket and Hood — gusset front, pullover hooded jacket, drawstrings in hood and at bottom, slit sleeve with take-up buttons, no metal trimmings, set in sleeves, left chest pocket with flap ..... each $11.95

No. 51-307 — Overall — bib style, patch pocket with flap on right leg front, cuff straps, side openings, safety fly, web suspenders, no metal trimmings ..... each $9.75

Weight of suit approx. 4 1/2 lbs.

GENERAL ELECTRIC CABLE ACCESSORY PRODUCTS

TERMI-KIT® CABLE TERMINATION SYSTEM



The GE Termi-Kit Cable Termination System contains all the materials, including pre-shaped pennants, for quick, uniform, low cost terminations on all solid dielectric shielded or URD power cables 5 KV through 35 KV. Materials are designed to function properly regardless of application tension or direction.

FOR ALL SHIELDED SOLID DIELECTRIC POWER CABLE (GROUNDED OR UNGROUNDED)

Kit No.	Cable Conductor Size	Service Condition	Price Per Kit
5-8KV 3 Terminations Per Kit (Silicone Sealed)			
3T-8-A/O	8 Awg-4/0 Awg	Indoor or Outdoor	$20.35
3T-8-B/O	350 MCM-1000 MCM		24.15
9-15KV 2 Terminations Per Kit (Silicone Sealed)			
2T-15TR	6 Awg-2/0 Awg	Indoor or Pad-mounted Transformer Enclosure†	$16.15
9-15KV 3 Terminations Per Kit			
3T-15-A	4 Awg-2 Awg	Indoor‡	$22.45
3T-15-B	1 Awg-250 MCM	Indoor§	29.30
3T-15-C	300 MCM-1000 MCM	Indoor¶	33.95
16-25KV 2 Terminations Per Kit (Silicone Sealed)			
2T-25-A	4 Awg-250 MCM	Indoor	$22.50
2T-25-A/O	4 Awg-250 MCM	Outdoor	48.30
2T-25-B	300 MCM-1000 MCM	Indoor	51.65
2T-25-B/O	300 MCM-1000 MCM	Outdoor	69.65
26-35KV 2 Terminations Per Kit (Silicone Sealed)			
2T-35-A	4 Awg-250 MCM	Indoor	$49.45
2T-35-A/O	4 Awg-250 MCM	Outdoor	72.70
2T-35-B	300 MCM-1000 MCM	Indoor	76.20
2T-35-B/O	300 MCM-1000 MCM	Outdoor	101.05

† Convertible to outdoor service with 1 roll Irrasil silicone rubber tape.
‡ Convertible to outdoor service with 3 rolls Irrasil silicone rubber tape.
§ Convertible to outdoor service with 4 rolls Irrasil silicone rubber tape.
¶ Convertible to outdoor service with 6 rolls Irrasil silicone rubber tape.

UNI-KIT® CABLE SPLICING SYSTEM



With GE's Uni-Kit Cable Splicing System anyone can complete both shielded and non-shielded splices in less than an hour. Uni-Kit components are pre-engineered for simple, sure and economical application on all makes and constructions of 0-15 KV solid dielectric cables. Each kit is complete to the proper non-conducting cleaning materials.

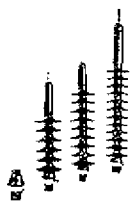
FOR ALL NONSHIELDED SOLID DIELECTRIC POWER CABLE

Kit No.	Cable Conductor Size	Price Per Kit
5KV 1 Straight Through Splice Kit		
SS-5-A	4 Awg-350 MCM	$16.40
SS-5-B	400 MCM-1500 MCM	22.45

FOR ALL SHIELDED SOLID DIELECTRIC POWER CABLE (GROUNDED OR UNGROUNDED)

Kit No.	Cable Conductor Size	Price Per Kit
5-8KV 1 Straight Through Splice Per Kit		
SS-8-A	4 Awg-1/0 Awg	$22.60
SS-8-B	250 MCM-1000 MCM	25.25
9-15KV 1 Straight Through Splice Per Kit		
SS-15-A	4 Awg-1/0 Awg	$26.70
SS-15-B	1 Awg-250 MCM	32.15
SS-15-C	300 MCM-1000 MCM	41.75

TERMI-MATIC® CABLE TERMINATION SYSTEMS



GE Termi-Matic is a molded-rubber cable termination system for terminating solid dielectric URD or tape-wire shielded/jacketed cables. The Termi-Matic System is modular and molded of EPDM rubber to give excellent electrical performance, durability, and assembly ease at low cost. The Termi-Matic stress cone itself is the inner system, and with the addition of trackproof skirts, compression connector, and weatherproof cap it becomes the most advanced outdoor termination system available today.

Termi-Matic outperforms even expensive porcelain systems, and at one-half the cost of porcelain. The foolproof assembly technique saves time and dollars on the job.

Every GE Termi-Matic stress cone is factory tested for corona extinction at 150% rated voltage to provide faultless field performance. All connectors are Class "A" rated.

Diameter Over Cable Insulation (In.)	Cable Conductor Size	Price Per Kit* URD	Price Per Kit* Tape or Wire Shielded
5-35 KV Indoor—Type 41			
0.525 in.-1.025 in.		$ 6.05	$ 9.05
0.975 in.-1.510 in.		8.55	12.55
1.540 in.-1.950 in.		11.65	15.65
5-15 KV Outdoor—Type 42 (Black) or Type 47 (Gray)			
0.525 in.-1.025 in.	#4-2/0	$22.00	$26.00
0.525 in.-1.025 in.	3/0- 500 MCM	33.00	37.00
0.975 in.-1.570 in.	3/0- 500 MCM	45.50	49.50
0.975 in.-1.570 in.	600-1000 MCM	61.40	65.40
1.540 in.-1.900 in.	600-1000 MCM	64.00	68.00
25 KV Outdoor—Type 42 (Black) or Type 47 (Gray)			
0.755 in.-1.025 in.	#2-2/0	$32.00	$36.00
0.975 in.-1.570 in.	#1-2/0	43.25	47.25
0.975 in.-1.570 in.	3/0- 500 MCM	51.50	55.50
0.975 in.-1.570 in.	600-1000 MCM	68.00	72.00
1.540 in.-1.900 in.	600-1000 MCM	72.00	76.00
35 KV Outdoor—Type 42 (Black) or Type 47 (Gray)			
0.825 in.-1.025 in.	#2-2/0	$48.50	$52.50
0.975 in.-1.570 in.	#2-2/0	53.50	57.50
0.975 in.-1.570 in.	3/0- 600 MCM	66.00	70.00
1.540 in.-1.900 in.	600-1000 MCM	73.50	77.00
1.540 in.-1.900 in.	600-1000 MCM	88.00	92.00

*Without aerial lugs or mounting brackets. Aerial lugs, mounting brackets, terminator grips, and crossarm brackets are available as accessories.

GENERAL ELECTRIC INSULATING MATERIALS



GENERAL-PURPOSE INSULATING AND TRACK RESISTANT PAINT

The resistance of time-tested Glyptal® 1201 Red Enamel to oil, acid, moisture, chemicals and corrosion makes it an outstanding primer, protective finish, adhesive, sealer and electrical insulation. GE 1201 is available in standard sizes, and, as 1201A, in a handy 15¾-ounce aerosol spray can.

Product No.	Price Per Container: Pint	Quart	Gallon	10 oz.
1201	$1.35	$2.40	$8.00	.....
1201A Aerosol Can	.....	.....	.....	$3.10
1500 Thinner	.65	1.00	2.65	.....

OSHKOSH TOOLS

POLE HOLE SHOVELS



Straight Patterns

These shovels are absolutely straight from end to end. This makes them stiff and much handier in lining up the sides of hole.

Handles are selected second growth Northern white ash, or tough strong Highland Hickory as below. They are 1⅛-in. diameter. (All have footage marks to indicate depth hole.)

Blades and straps are natural black finish. Straps 22-in. long, riveted.

Note: For hickory handles, add "H" to catalog number.

Length Handle Ft.	Ship. Wt. Lbs.	With Carbon Steel Blades: Cat. No.	Each	Master With Alloy Steel Blades: Cat. No.	Each
7	8	1032	$12.50	2032	$13.55
8	9	1033	13.55	2033	14.65
9	10	1034	14.85	2034	16.00
10	11	1035	15.85	2035	17.50
12	14	1036	17.50	2036	19.40

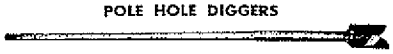
POLE HOLE SHOVEL AND SPOON HANDLES

Selected second growth Northern White ash, or, tough, strong Highland Hickory, 1⅛" diameter.

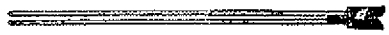
Length Ft.	Ship Wt. Lbs.	All-Seasoned: Cat. No.	Each	Best Grade: Cat. No.	Each
7	6	1005	$6.05	2005	$ 6.05
8	6	1006	7.15	2006	7.15
9	7	1007	8.40	2007	8.40
10	7	1008	10.30	2008	10.30
12	8	1009	12.15	2009	12.15

Note: For hickory handles, add "H" to catalog number.

POLE HOLE DIGGERS



No. 2050



No. 2051

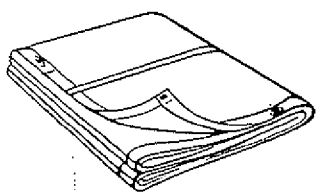
Will dig a hole 6 in. in diameter. Handles are conveniently marked to enable workman to determine depth of hole.

Special alloy steel blades securely welded to fulcrum members which are heavy channel-shaped steel forgings. One pivot point on each side of blade give greater leverage and durability. Handles are straight-grained hardwood 8 ft. long.

Made in two models — with split handles or with two solid handles.

No.	Type Handle	Ship. Wt. Lbs.	Each
2050	Split	13	$18.40
2051	Two, Solid	14½	18.40
	Extra Handles		
2050A	Split	6	Per Pr. 8.85
2051A	Two, Solid	6½	Per Pr. 8.85

REVERE NYLON TARPS



Made of Sun Chemical Co. "Faciton", a vinyl-nylon laminate specially developed for protective covering use.

Lightweight . . . half the weight of canvas.
Strong . . . twice as strong as canvas.
Waterproof . . . not merely water resistant.
Non-absorbent . . . keeps clean, dries fast.
Fire Retardant . . . self-extinguishing.
Unaffected by mildew, salt water, grease, many chemicals.
Serviceable in temp. range —30 to 120F.

Made with electronically welded leakproof seams, grommets for tiedown, every 3 feet approximately. Available from stock in following styles:

General Purpose (10 oz.) Size Ft.	Cat. No.	Each	Extra Heavy Duty (18 oz.) Size Ft.	Cat. No.	Each
6x 8	GP68	$ 9.12	6x 8	HD68	$ 13.92
10x12	GP1012	22.80	10x12	HD1210	34.80
12x18	GP1218	41.04	12x18	HD1218	62.64
20x20	GP2020	76.00	20x20	HD2020	116.00

Standard Color: Yellow
Other sizes and colors to order.

Uses: Outside storage covers, equipment covers, splicers' sunshades, salvage tarps, ground and lawn covers, manhole surrounds, welding curtains, etc.

Custom fitted covers to special order.

TAMPING BARS



With Light Steel Shoe

Tamping head 1¾ x 4 in., faced with light steel shoe ¼ in. thick.

Complete Tool: Cat. No.	Length Feet	Shpg. Wt. Lbs.	Each	Extra Handles: Cat. No.	Shpg. Wt. Lbs.	Each
854	7	13	$11.55	1002	7	$8.40
855	8	14	13.20	1003	8	10.05
856	9	16	14.85	1003A	9	11.20



With Heavy Steel Shoe

Handle 1⅜ in. diameter; tamping head 1¼ x 3½ in., faced with heavy steel shoe ½ in. thick.

Complete Tool: Cat. No.	Length Feet	Shpg. Wt. Lbs.	Each	Extra Handles: Cat. No.	Shpg. Wt. Lbs.	Each
1054	7	13	$13.40	2002	5	$7.85
1055	8	15	14.65	2003	5	8.40
1056	9	17	15.35	2003A	6	10.65

OSHKOSH TOOLS

POLE HOLE SPOONS



Western Pattern



Eastern Pattern

Handles are selected second growth Northern white ash, or tough, strong Highland hickory as below. They are 1⅛ in. diameter. (All have footage marks to indicate depth of hole.)

Blades and straps are natural black finish. Straps 22 in. long, riveted.

Western Pattern Cat. No.	Length Ship. Handle Ft.	Wt. Lbs.	Each	Eastern Pattern Cat. No.	Length Ship. Handle Ft.	Wt. Lbs.	Each
*Ash or Hickory Handles							
1023	7	10	$12.50	1023E	7	10	$12.50
1024	8	10	13.55	1024E	8	10	13.55
1025	9	11	14.85	1025E	9	11	14.85
1026	10	12	15.85	1026E	10	12	15.85
1027	12	14	17.50	1027E	12	14	17.50
Master Heat-treated Alloy Steel Blades *Ash or Hickory Handles							
2023	7	10	$13.55	2023E	7	10	$13.55
2024	8	10	14.65	2024E	8	10	14.65
2025	9	11	16.00	2025E	9	11	16.00
2026	10	12	17.50	2026E	10	12	17.50
2027	12	14	19.40	2027E	12	14	19.40

*If hickory handles are wanted add "H" to catalog number.

FOLDING TAKE-UP-REELS



A handy tool to have on a truck. When taking down good wire it will coil it neatly in standard sized coils entirely undamaged. Even when taking down or picking up wire to be sold as scrap it is easier to handle and takes up less space when in coils, and takes no longer to coil with the reel as to throw it loosely on the truck.

The reel is made of malleable iron and steel. The stand is hardwood, mortised and framed, and reinforced with steel. Both the reel and the stand collapse, so that when not in use takes up very little space.

Dimensions: Stand is 36 in. high, 19 in. wide; collapses to 4½ x 19 x 39 in.

For 21 inch coil.

No. 897—Shipping Weight 42 Lbs. .....each $49.70

B & L SAFETY LOCKING SNATCH BLOCKS

STEEL PLATE SHELLS — FOR WIRE ROPE



No. 5042H

For use with pole derrick for pulling aerial cable, erecting a pole for replacement (using the old pole in place of the derrick.)

Sheave has graphite bronze self-lubricating bushing. Impressions on each side of shell prevent rope from jamming between shell and sheave. Safety locking attachment prevents block from becoming disengaged while in use. Flatted swivel hook. All connections are drop forged.

All Galvanized

Cat. Nos.	Diam. Sheave, In.	For Rope, In.	Each
5042H	6	⅜–½	$28.60
5042H	8	½–⅝	41.40
5042H	10	⅝	58.80

B & L EASTERN PATTERN SNATCH BLOCKS

FOR MANILA ROPE

ROLLER OR GRAPHITE BRONZE BUSHED

DROP FORGED

Galvanized

WITH SAFETY LOCKING SWIVEL HOOK



No. 3075H

Cat. Nos.	Shell Size	Sheave Size O.D.	Rope Dia.	Each
3075	6"	3"	⅞"	$27.75
3075	8"	4½"	1"	36.45
3075	10"	5¾"	1¼"	57.75
3075	12"	6¾"	1½"	78.65

B & L REGULAR MORTISE WOOD BLOCKS

FOR MANILA ROPE

ROLLER OR GRAPHITE BRONZE BUSHED — JAPANNED FINISH



3001A

Cat. No.	Size	Type	Rope Dia.	Each
WITH ROUND LOOSE HOOKS				
3001A	3"	Single	⅜"	$5.45
3001A	4"	Single	½"	5.60
3001A	5"	Single	⅝"	6.45
3001A	6"	Single	¾"	7.65
3002A	3"	Double	⅜"	9.15
3002A	4"	Double	½"	9.60
3002A	5"	Double	⅝"	10.85
3002A	6"	Double	¾"	13.50
WITH FLATTED LOOSE SWIVEL HOOKS				
3001E	3"	Single	⅜"	$7.90
3001E	4"	Single	½"	8.05
3001E	5"	Single	⅝"	9.40
3001E	6"	Single	¾"	11.25
3002E	3"	Double	⅜"	11.90
3002E	4"	Double	½"	12.45
3002E	5"	Double	⅝"	14.35
3002E	6"	Double	¾"	18.00

B & L STAR METAL BLOCKS

FOR MANILA ROPE

ROLLER OR GRAPHITE BRONZE BUSHED — JAPANNED FINISH



3041A

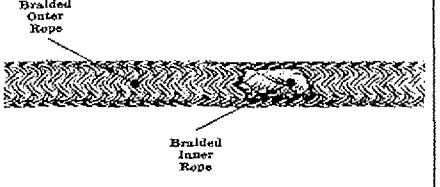


3042G

Cat. No.	Size	Type	Rope Dia.	Each
WITH ROUND LOOSE HOOKS				
3041A	3"	Single	⅜"	$6.60
3041A	4"	Single	½"	7.10
3041A	5"	Single	⅝"	8.45
3041A	6"	Single	¾"	9.90
3042A	3"	Double	⅜"	10.80
3042A	4"	Double	½"	11.55
3042A	5"	Double	⅝"	13.70
3042A	6"	Double	¾"	16.50
WITH FLATTED LOOSE SWIVEL HOOKS				
3041E	3"	Single	⅜"	$9.70
3041E	4"	Single	½"	10.25
3041E	5"	Single	⅝"	12.40
3041E	6"	Single	¾"	13.20
3042E	3"	Double	⅜"	14.35
3042E	4"	Double	½"	15.00
3042E	5"	Double	⅝"	18.15
3042E	6"	Double	¾"	21.40
WITH FLATTED LOOSE SWIVEL SAFETY SNAP HOOKS				
3041G	3"	Single	⅜"	$10.55
3041G	4"	Single	½"	11.05
3041G	5"	Single	⅝"	13.45
3041G	6"	Single	¾"	14.60
3042G	3"	Double	⅜"	15.15
3042G	4"	Double	½"	16.00
3042G	5"	Double	⅝"	19.55
3042G	6"	Double	¾"	23.05

SAMSON 2-IN-1 POWER BRAID ROPE

Braided Polypropylene Center
Braided Nylon Cover
Easily Spliced



For power company transmission and distribution stringing, hand lines, bull and tag lines. For industrial slings and other general use.

Dia. In.	Circ. In.	Approx. Break Strg. Lbs.	Approx. Wt. Lbs. Per 100 ft.	Approx. Wt. Lbs. Per 600 ft.	Per 100 ft.
⅜	1⅛	3400	3.3	19.8	$ 8.75
½	1½	7400	6.6	39.6	16.50
⅝	2	11500	10.8	64.8	25.92
¾	2¼	16000	15	90	36.00
⅞	2¾	20800	20	120	48.00
1	3	25000	25	150	60.00
1⅛	3½	35000	35	210	82.25
1¼	3¾	40000	40	240	94.00
1⅜	4	45000	45	270	105.75

Other sizes available.

SAMSON 2-IN-1 STABLE BRAID ROPE

Braided Polypropylene Center
Braided Polyester Cover
Easily Spliced

For power company use to replace wire rope as winch lines, underground pulling, stringing, heavy duty slings, etc. Used in industry wherever low stretch, high strength is required.

Dia. In.	Circ. In.	Approx Break. Strg. Lbs.	Approx. Wt. Lbs. Per 100 ft.	Approx. Wt. Lbs. Per 600 ft.	Per 100 ft.
¼	1	6800	6.8	40.8	$ 24.82
⅝	2	11000	11	66	39.60
¾	2¼	15000	15	90	51.00
⅞	2¾	20000	20	120	68.00
1	3	28000	28	168	95.20
1⅜	3½	35000	35	210	112.00

Other sizes available.

SAMSON SINGLE BRAID BLUE STREAK ROPE

Braided Polyester and Polypropylene Cover
Good Grip — Easy-to-Splice
For Hand Lines and Stringing Lines

Dia. In.	Circ. In.	Approx. Break. Strg. Lbs.	Approx. Wt. Lbs. Per 100 ft.	Approx. Wt. Lbs. Per 600 ft.	Per 100 ft.
7/16	1 1/4	4170	4.3	25.8	$9.68
1/2	1 1/2	5800	6.0	36.0	13.50
5/8	2	10000	10.3	62.0	22.15

Other sizes available.

AMERICAN® SYNTHETIC ROPES



THREE STRAND UTILITY ROPES

Dia. In.	Polypropylene Monofilament — Standard — Lbs. Per 100 Feet	Breaking Strength Lbs.	Heavy Duty for Pulling Lines Lbs. Per 100 Feet	Breaking Strength Lbs.	PNX Lbs. Per 100 Feet	Breaking Strength Lbs.
⅛	.3	330	.....	.....	.....	.....
7/32	.7	800	.....	.....	.....	.....
¼	1.2	1250	.....	.....	.....	.....
9/32	1.8	1900	.....	.....	2.3	1900
⅜	2.8	2700	.....	.....	3.3	2700
11/32	3.8	3500	4.0	3700	4.4	3500
½	4.7	4200	5.0	4500	5.5	4200
9/16	6.1	5100	6.4	5300	7.0	5100
⅝	7.5	6200	8.0	6800	9.3	6200
¾	10.7	8500	11.6	9600	12.6	8500
⅞	15.0	11500	15.9	13000	17.7	11500
1	18.0	14000	20.2	17000	20.9	14000

Safe Working Load is 17% of Breaking Strength.

FLOTEROPE®

	Per Lb.
Polypropylene Monofilament (all sizes)	$1.65
Specify "standard" or heavy-duty"	
PNX — 1/32" dia. and larger	1.70
¾", 13/16" and 1" dia.	1.80
⅞" dia.	1.85
9/32", ⅜", 11/32", ½" and 9/16"	1.90

Standard put-ups for ⅛" and 7/32" are spools of 3000 feet. All other sizes are normally furnished on spools of 600 and 1200 feet. Upon special request, longer lengths are available for ½" and larger.

Unless otherwise specified, standard or heavy duty utility FLOTEROPE is furnished in black; PNX in black and white.

"AMERICAN BRAND" AND "AMCO" (TREATED) 3 STRAND MANILA ROPES

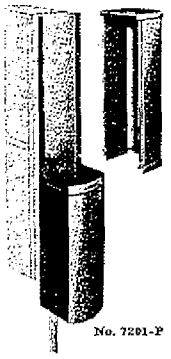


Dia. In.	Circ. In.	Approx. Weight Coil Lbs.	Approx. Length Coil Feet	Feet Per Lb.	Breaking Strength Lbs.	Per Lb. Amer. Brand	Per Lb. Amco
7/32	⅝	50	3300	66.6	450	$0.94	$0.96
¼	¾	50	2500	50.0	600	.93	.95
9/32	1	65	2250	34.5	1000	.93	.95
⅜	1⅛	65	1600	24.5	1350	.90	.92
11/32	1¼	68	1200	19.0	1750	.87	.89
½	1½	90	1200	13.3	2650	.87	.89
9/16	1¾	125	1200	9.60	3450	.87	.89
⅝	2	160	1200	7.50	4400	.84	.86
¾	2¼	200	1200	6.00	5400	.81	.83
⅞	2¾	270	1200	4.44	7700	.78	.80
1	3	324	1200	3.70	9000	.78	.80

Half Coils of sizes ½" and larger contain 600 feet. 4-Strand rope weighs approximately 7% more than 3-strand. Safe working load is 20% of breaking strength.

UTILITY PRODUCTS CABLE CLOSURES

COMBINATION TERMINAL — POWER COMPARTMENT



No. 7201-P

The power terminal may be used individually or jointly with common post for back to back installation with telephone companies. 14 gauge steel construction. All fastenings stainless steel.

Cat. No.	Lgth. In.	Wdth. In.	Dpth. In.	Secondary	Service	Each
P8H†	46	6	7	250CM	4-2/0	$12.50
P8H†	46	8	8	250CM	6-2/0	13.60
P10HL*†	26	10	10	250CM	8-2/0	12.30

*Low Profile
†Also available with Tamperproof Bolt add $0.70.

COMBINATION TERMINAL — TELEPHONE COMPARTMENT

The telephone terminal may be used individually for wall mounting or jointly with common post for back to back installation with power compartment. Terminal is three piece unit consisting of back and two piece cover to facilitate wiring in the field. Constructed of 14 gauge steel. All fastening stainless steel. Utility standard "A" finish.

Cat. No.	Description	Term.	Prot.	Each
7201-T/TX*	Stake and Wall Mounting . .	12 pr.	6 pr.	$14.95

*Order PT Post desired.

POST

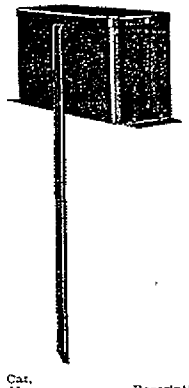
Mounting post is 13 gauge steel. No. indicates depth of penetration. All posts project 30" above ground.

Joint and Single Mounting

Cat. No.	Lgth. In.	Wt. Lbs.	Std. Pkg.	Each
Green Finish				
PT-42G	72	13.5	5	$5.25
PT-48G	78	14.2	5	5.55
PT-54G	84	15.4	5	5.85
PT-49G*	78	7.0	5	2.60
Hot Dipped Galvanized				
PT-42HD	72	13.5	5	6.35
PT-48HD	78	14.2	5	6.75
PT-54HD	84	15.4	5	7.15
PT-49HD*	78	7.0	5	3.00

*Single Mounting Only.

U.R.D. GRADE LEVEL CLOSURE



14 gauge, mill galvanized steel formed closure with standard "A" finish. Proven by over 10 years of on-the-job tests by leading telephone and power utilities across the country.

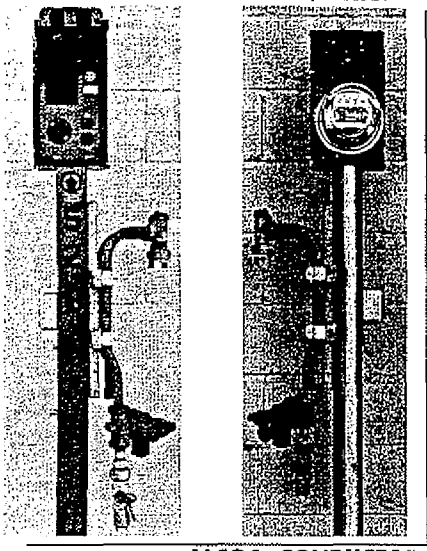
Closure is furnished with Cat. No. GS-48 galvanized stake and a special stainless steel cup washer that is used in grounding the unit.

Cat. No.	Description	Each
7600M	10" x 24" Flush Type w/ Galvanized Post	$17.80
S.F.	Stabilizing Flanges	1.40 pkg.
MKY	Key for Tamperproof Lock "M"	.45

ADNIC PRODUCTS CO.

POWER PACK PEDESTALS

One Central Service For All Utilities



Pedestals provide all utilities at one location for mobile home parks, residences, marinas, temporary power, recreational vehicles, etc.

A Pedestal that houses four or five utilities on one, Electric, Gas or Oil, Central T.V. System, Telephone, and Registering Water Cyclometer.

Epoxy finish electrostatically applied on Electro Paintlok Metal Pedestal. The post is 16 gauge, 8 feet long, 3 x 3 1/2 inches. The pedestal plate is 10 gauge, 14-3/4 inches high, 8 inches wide. It is L-shaped with a 3-inch ledge. Plate is welded to post. The post and pedestal plate is pre-drilled and tapped, with detachable front panel cover for convenient accessibility.

Material Furnished: Pedestal, 1-50 amp., or 100 amp., or 200 amp. weatherproof combination panel, snap ring, bushings, nipple, lock nuts, insulated bushings, machine screws, tapping screws, fender washers.

Power Pack Pedestals have the full endorsement of utility companies, mobile home associations and governmental agencies. Requires no concrete for proper installation.

Cat. No.	Description	Each
3-P-50	50 Amp. Power Box	$51.01
3-P-100	100 Amp. Power Box	59.90
3-P-200	200 Amp. Power Box	91.74

ALCOA CONDUCTOR PRODUCTS COMPANY
UNDERGROUND ACCESSORIES

END TERMINALS
ET Series



Cat. No.	Aluminum Con. Size AWG or MCM Str.	Comp.	Solid	Each
ET08.291	#4	#4	#2	$0.77
ET08.348	#2-#1	#2-#1	#1-1/0	.77
ET08.386	1/0	1/0	2/0	.77
ET11.435	2/0	2/0	.....	.88
ET11.480	3/0	3/0-4/0	.....	.88
ET11.537	4/0	250	.....	.88
ET11.590	250	.....	.....	.88
ET13.700	350	.....	.....	.99
ET13.837	500	.....	.....	.99

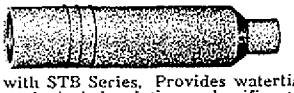
SUBMERSIBLE TERMINAL BARS
STB Series



A watertight design for use in totally underground installations. Accepts all ET series end terminals through 500 MCM size.

Cat. No.	No. of Cond. Positions	Length In.	Each
STB-2	2	3⅛	$4.50
STB-4	4	7⅞	5.50
STB-6	6	10⅝	7.15

INSULATING BOOTS
B Series



Used with STB Series. Provides watertight seal around conductor's insulation and orifice of terminal bar.

Cat. No.	No. of Circ. Rings	Cond. O.D. Over Insul. In.	Length In.	Each
B-SA	0	.19- .29	3	$0.61
B-1	1	.33- .49	5⅝	.66
B-2	2	.49- .74	5⅝	.66
B-3	3	.74-1.05	6⅛	.66

INSULATING CAPS
K Series



Cap has a labyrinth seal that mates with an orifice of the Submersible Terminal Bar. These caps are used to seal the bolt head orifices after the End Terminals have been installed.

Cat. No.	Description	Each
K-1	Insulating Cap	$0.28

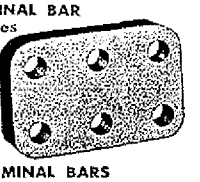
STREETLIGHTING ADAPTOR
SA Series



Bolts into an end terminal, replacing the breakaway bolt. Serves as both a breakaway bolt and a connector for a streetlighting wire.

Cat. No.	Description	Each
SA-1	Adaptor	$1.54

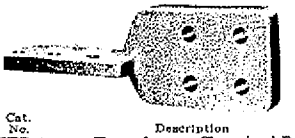
PEDESTAL TERMINAL BAR
PTB Series



Designed for above-ground applications. Contains 6 holes to which the aluminum End Terminals are attached.

Cat. No.	Each
PTB-6	$1.87

TRANSFORMER TERMINAL BARS
TTB Series



Similar to pedestal terminal bar, but with provision for bolting to transformer spade.

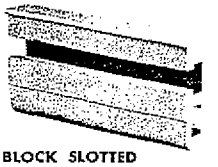
Cat. No.	Description	Each
TTB-6	Transformer Terminal Bar	$2.75
TTB-8	Transformer Terminal Bar	3.05

TERMINAL LUGS
TL Series



Cat. No.	Aluminum Con. Size AWG or MCM Str.	Comp.	Solid	Each
TL08.291	#4	#4	#2	$0.64
TL08.348	#2-#1	#2-#1	#1-1/0	.64
TL08.386	1/0	1/0	2/0	.64
TL11.435	2/0	2/0	.....	.86
TL11.480	3/0	3/0-4/0	.....	.86
TL11.537	4/0	250	.....	.86
TL11.590	250	.....	.....	.86
TL13.700	350	.....	.....	1.10
TL13.837	500	.....	.....	1.10

PEDESTAL BLOCK SLOTTED
PBS Series



Unit is an aluminum extrusion formed with a T-slot each side. The slots capture square head bolts and attach the terminal lugs . . . three in each slot.

Cat. No.	Each
PBS-6	$2.75

TRANSFORMER BLOCK SLOTTED
TBS Series



Equipped with two slots for ½" bolts on one side, and opposite side will accept ⅝" bolts and the TL series terminal lugs.

Cat. No.	Each
TBS-6	$5.00

PEDESTAL PROTECTIVE COVER
PPC Series



Keeps completed Pedestal Terminal Bar Assembly or Pedestal Block-Slotted Assembly from contacting other assemblies or the pedestal.

Cat. No.	Description	Each
PPC-1	Pedestal Cover	$1.32

DIAMOND

TANGENT SUPPORT FOR MULTI-PAIR DISTRIBUTION WIRE

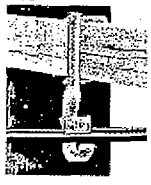


Pole Mounted

For 0.109" and 0.134" messenger wire sizes and up to 18 pair-19 gauge equivalent size. Total angle of tangent, 0° to 35°.

½" thru-bolt (not furnished).

No. 09600 Tangent Support .....per 100 $59.19



Cross-Arm Mounted

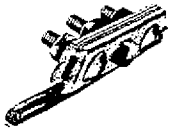
For 0.109" and 0.134" messenger wire sizes and up to 18 pair-19 gauge equivalent size. Total angle of tangent, 0° to 35°.

All bolting furnished.

No. 09650 Tangent Support .....per 100 $222.17

SUPPORT CLAMPS FOR FIGURE-8 DISTRIBUTION WIRE

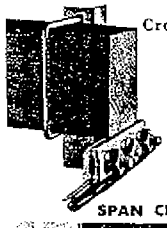
Pole Mounted



Dual-purpose clamp for both .109" and .134" messenger wire. For use with ½" or ⅝" thru bolts (not furnished).

Wt. per 100, 80 lbs.

Cat. No.	No. Per Carton	Per 100
09610	25	$163.57



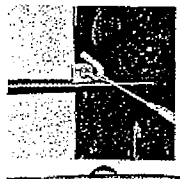
Cross-Arm Mounted

Dual-purpose clamp for both .109" and .134" messenger wire. Shipped assembled.

Wt. per 100, 225 lbs.

Cat. No.	No. Per Carton	Per 100
09660	10	$333.56

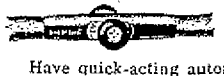
SPAN CLAMP FOR AERIAL CABLE



For ¼" and .148" strand messenger.

Weight per 100, 40 lbs.

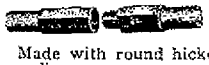
Cat. No.	No. Per Carton	Per 100
09850	10	$76.44



CONDUIT RODS

Have quick-acting automatic couplings.

Cat. No.	Length Feet	Dia., In. Rod	Dia., In. Wheel	Wt. Lbs. Each	Each
00850	3	1	1½	1½	$4.28
00851	4	1	1½	1¾	4.54
00852	3	1	None	1¼	3.11
00853	4	1	None	1½	3.18

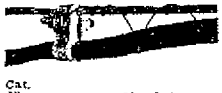


SCREW DUCT RODS

Made with round hickory sticks with aluminum couplings.

Cat. No.	Length Feet	Rod Dia. Inches	Wt. Lbs. Each	Each
00855	3	⅞	1¼	4.28
00856	4	⅞	1½	4.71

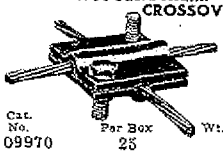
COAXIAL CABLE STRAIN RELIEF CLAMP



For ¼" bare stranded messenger. Eliminates need for expansion loops. Have built-in lashing wire clamp.

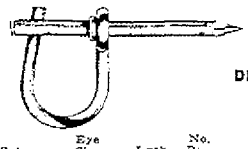
Cat. No.	Size & Type	Per Box	Per 100
09910	.412 Bare Alum.	100	$62.21
09920	.412 Jack. Alum.	100	62.21
09930	.375 Disc—.500 Jack. Alum.	100	62.21
09940	.500 Bare Alum.	100	62.21
09950	.750 Bare Alum.	100	62.21
09951	.750 Jack. Alum.	100	62.21

CROSSOVER CLAMP



For ¼" bare stranded messenger. Partially assembled. Two tapped holes eliminate need for nuts.

Cat. No.	Per Box	Wt. Per 100	Per 100
09970	25	66 lbs.	$97.74



DRIVE RINGS

Cat. No.	Eye Size In.	Lgth. In.	No. Per Box	No. Per Ctn.	Wt. Lbs. Per 100	Per 100
00801	½	2⅛	50	2500	1⅞	$2.22
00804	⅝	2¼	25	1000	3¼	3.37
00805	⅞	2⅜	25	500	6⅛	5.59
00807	1¼	2⅛	25	500	10	7.99
01801*	½L	2⅛	50	2500	2	2.39
01804*	⅝L	2¾	25	1000	3⅛	3.90
01805*	¾L	3⅛	25	500	6¾	5.86
01807*	1¼L	3⅛	25	500	10	8.45

*These sizes have longer nails for greater line carrying capacity.

BRIDLE RINGS



Style A, C, E, F



Style K, M, Q, R

If wood screw type used in masonry, use multi-size screw anchors.

Wood Screw Type

Cat. No.	Style	Eye Size, In.	No. Per Box	Wt. Lbs. Per 100	Per 100
00810	A	1⅜	100	10¾	$14.21
00812	C	1½	100	8¾	12.87
00814	E	⅝	100	3½	6.03
00816	F	3	100	31	53.33

Machine Screw Type

Cat. No.	Style	Eye Size, In.	No. Per Box	Wt. Lbs. Per 100	Per 100
00821	K	¾	100	4	6.15
00823	M	1¼	100	5¾	6.58
00825	Q	1¾	100	8	13.68
00827	R	1⅝	100	9½	14.52

Nos. 821 and 823 — 10-24 thread. Nos. 825 — 827 ¼"-20 thread.

INSULATED SCREW EYES



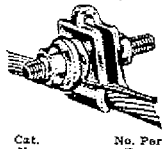
The porcelain ring has a diagonal opening which allows the easy insertion of wires and when pulled taut they cannot become released from the ring. The porcelain is glazed on the interior surface of the ring and on the surfaces of the slot. Screw eye is hot galvanized.

Cat. No.	Eye Size, In.	Lgth. In.	No. Per Box	Wt. Lbs. Per 100	Per 100
00830	⅝S	2⅞	100	7½	$14.72
00831	⅝L	3¾	100	8½	18.44
00832	1S	3⅞	100	16	25.88



ANGLE SCREW FIXTURES

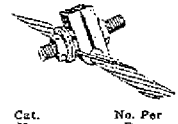
Cat. No.	Screw Dia., In.	No. Per Box	Wt. Lbs. Per 100	Per 100
00840	¼	100	10	$22.47
00841	⅜	100	20	37.16



"E" CABLE LASHING CLAMPS

These clamps are the same as the "D" type except the plates are of one-piece construction.

Cat. No.	No. Per Box	No. Per Carton	Wt. Lbs. Per 100	Per 100
09020	100	300	11	$20.89



"D" CABLE LASHING CLAMPS

Furnished with double ended stud bolt and washers and free running nuts, all galvanized.

Cat. No.	No. Per Box	No. Per Carton	Wt. Lbs. Per 100	Per 100
09010	100	300	16	$23.91
	With Aluminum Plates			
09030	100	300	9	23.91

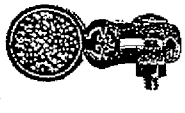
"E" DROP WIRE CLAMP



To secure drop wire runs in either wood or masonry surfaces.

Cat. No.	No. Per Box	No. Per Carton	Wt. Lbs. Per Ctn.	Per 100
00360	50	2000	25	$13.14

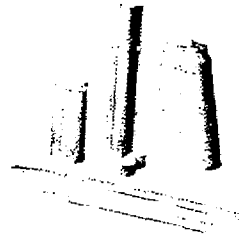
GROUND CLAMP



For ¼" Fig. 8 messenger. Tin plated aluminum alloy to eliminate electrolytic corrosion.

Cat. No.	Per Box	Wt. Per 100	Per 100
09980	100	9½ lbs.	$60.51

HASKON POWER MOLD® POLE RISER SYSTEM



Designed and engineered for primary, secondary and service risers. Ten foot sections are available in 2", 3", 4" and 5" sizes with matching safety back-up plates and adapter ventilation boots. All components are manufactured from high-impact PVC (polyvinyl chloride) plastic.

Cat. No.	Size In.	Description	Per 10' Section
		Standard High Impact Pole Riser Sections	
PM-2-40	2	Schedule 40 Power Mold	$6.90
PM-3-40	3	Schedule 40 Power Mold	14.50
PM-4-40	4	Schedule 40 Power Mold	19.90
PM-5-40	5	Schedule 40 Power Mold	25.90
		Extra High Impact Pole Riser Sections	
PM-2-80	2	Schedule 80 Power Mold	10.90
PM-3-80	3	Schedule 80 Power Mold	17.80

Note: Packaged 3 sections to a bundle except PM-5-40 which is 2 sections to a bundle. Available in 10 foot sections only.

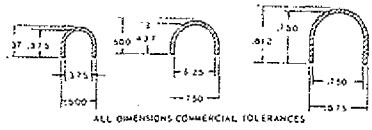
ACCESSORIES

Size In.	Per 10" Tamper-proof Safety Back-up Plate	Each PVC Coated Steel Straps	Each Adapter Ventilation Boot
2	$3.20	$1.20	$24.50
3	3.90	1.55	
4	5.60	1.90	25.50
5	6.90	2.30	

*10 sections to a bundle. Available in 10 ft. sections only.

MACOID GROUND WIRE MOLDING

Rigid Plastic (Polyvinyl Chloride)

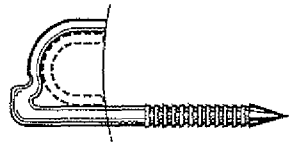


This molding is corrosion-resistant, has high impact strength, excellent outdoor weather resistance and will not support combustion. It is sufficiently flexible to follow pole contours and is very light in weight. Furnished in 8-foot lengths.

Cat. No.	Size In.	Feet Per Box	Gross Wt. Lbs./M ft.	Less M'	Less 2M'
GWM38	⅜	1000	32	$38.25	$34.42
GWM12	½	1000	52	49.50	44.55
GWM58	⅝	1000	57	60.23	54.75
GWM34	¾	600	68	74.80	68.00

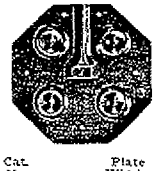
STRONGHOLD STAPLES

FOR PLASTIC GROUND WIRE MOULDING



Length Inches	Moulding Size, Inches	Bronze Cat. No.	Bronze Per 100	Galvanized Cat. No.	Galvanized Per 100
2	⅜	238	$ 8.95	338	$7.05
2	½	212	9.45	312	7.20
2	⅝	258	9.75	358	7.30
2¼	¾	234	11.60	334	9.05

SOMERSET POLE GROUND PLATE



Has four moisture-retaining cups embossed on a large area solid copper plate .025" thick. These cups, along with weight and natural vibration of the pole, tend to hold ground moisture around the plate — maintaining a better ground.

Cat. No.	Plate Width	Std. Pkg.	Wt. Per 100	Std. Pkg. Per 100
5575	7½"	50	40	$139.00
55100	10"	50	60	399.00
55125	12½"	50	95	679.00

BROOKS DOUGLAS FIR CROSSARMS



POWER TYPE

Treated 6 lb. Pentachlorophenol

Cat. No.	Length	Pins	Per Each Zone 1	Zone 2	Zone 3	Zone 4
			3½" x 4½"			
BR72	5'7"	4	$5.36	$ 5.65	$ 6.07	$ 6.21
BR73	8'	6	7.15	7.53	8.09	8.28
			3¾" x 4¾"			
BR88	10'	8	9.76	10.31	11.13	11.41

REA DISTRIBUTION ARMS

Treated 6 lb. Pentachlorophenol — REA Inspection Included

			3½" x 4½"			
BR80	4'	2	3.58	3.76	4.04	4.14
BR82	5'7"	4	5.36	5.65	6.07	6.21
BR84	8'	4	7.15	7.53	8.09	8.28
BR86	8'	6	7.15	7.53	8.09	8.28
			3¾" x 4¾"			
BR89	8'	4	7.81	8.25	8.90	9.13
BR90	10'	6	9.76	10.31	11.13	11.41

REA Approved.

REA TELEPHONE ARMS

Treated 6 lb. Pentachlorophenol — REA Inspection Included

Cat. No.	Lgth.	No. Pins	Ctr.	Side Ends	Per Each Zones 1	2	3	4
					3¼" x 4¼"			
2A	1'6"	..	Special		$0.92	$0.97	$1.04	$1.06
2B	2'6"	..	Special		1.54	1.61	1.73	1.76
6A	6'	6	16	12 4	5.05	5.29	5.67	5.80
6B	6'8"	6	32	10 4	5.89	6.17	6.62	6.76
10A	10'	10	16	12 4	8.41	8.82	9.45	9.66
10B	10'	10	32	10 4	8.41	8.82	9.45	9.66
6DET	6'	10	18	6 3	5.05	5.29	5.67	5.80
					3¾" x 5"			
6DE*	6'	10	18	6 3	7.13	7.55	8.18	8.40

REA Approved.

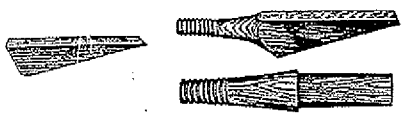
Zone Designations: Zone 1 — Oregon and Washington. Zone 2 — California, Idaho and Montana. Zone 3 — East of Zones 1 & 2, and West of Lake Michigan, Indiana-Illinois State Line, Mississippi River. Zone 4 — East of Zone 3.

BROOKS WOOD CROSSARM BRACES

6-lb. Pentachlorophenol Treated

Cat. No.	Span In.	Drop In.	Per Pair Zones 1	2	3	4
			Wood — 1⅛" x 2⅛"			
34676	42	12	$3.77	$3.87	$4.03	$4.08
34678	48	18	3.89	4.02	4.21	4.26
34679	48	24	4.11	4.23	4.44	4.51
34680	60	18	4.13	4.27	4.48	4.56
34681	60	30	4.61	4.78	5.02	5.11
34683	72	22	4.61	4.78	5.02	5.11
34684	72	36	4.80	4.99	5.26	5.35
34686	86	33⅝	4.95	5.14	5.43	5.53
			Wood — 1⅝" x 2⅝"			
24468	42	12	$3.16	$3.24	$3.36	$3.40
24470	48	18	3.39	3.48	3.62	3.67
24471	48	24	3.48	3.59	3.74	3.79
24472	60	18	3.61	3.72	3.87	3.93
24473	60	30	3.81	3.94	4.12	4.18
24474	72	36	4.09	4.23	4.43	4.51
			Wood — ⅞" x 1⅞" REA Approved			
58128	38	18	1.49	1.53	1.60	1.62

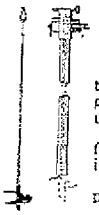
WOOD PINS — BRACKETS — POLE STEPS — BUSHINGS



Description	Size In.	Wt. Lbs. Per 100	Std. Pkg.	Per 100 Less Pkg.	Std. Pkg.
Locust Pins	1¼ x 8	32	250	$20.00	$13.50
Locust Pins	1½ x 9	48	250	29.00	19.50
Brackets	2x2⅝x12	100	20	29.50	20.50
Brackets	2x2¾x12	115	20	33.50	23.50
Pole Steps	1¾x2¾x7	70	20	16.75	11.75
Locust	⅝" or		100–		
Bushings	¾" bore*	15	500	12.75	8.50

*Specify ⅝" or ¾" bore.

CHANCE



POWER INSTALLED SCREW ANCHORS

Anchors fit into installing wrench that transmits torque from power digger direct to anchor helix permitting use of smaller diameter rod.

A completely engineered system for fast installation and dependable holding power.

Contact Gravbar for wrench and application information.

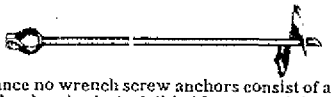
Cat. No.	Helix Dia.	Rod Size	Eye Type	Each Eastern Zone	Each Western Zone
		Galvanized Helix			
8C1G	8"	¾"x7'	Thimbleye	$10.65	$11.70
10B2G	10"	⅞"x7'	Twineye	10.60	11.65
10C2G	10"	¾"x7'	Twineye	11.65	12.80
10D3G	10"	1" x7'	Tripleye	13.60	15.00
11B1G	11"	⅝"x7'	Thimbleye	11.00	12.15
11C1G	11"	¾"x7'	Thimbleye	12.75	14.05
11C2G	11"	¾"x7'	Twineye	12.75	14.05
11D3G	11"	1" x7'	Tripleye	14.75	16.20
		Asphalt Painted Helix			
8C1	8"	¾"x7'	Thimbleye	9.80	10.75
10B2	10"	⅞"x7'	Twineye	9.75	10.70
10C2	10"	¾"x7'	Twineye	10.80	11.85
10D3	10"	1" x7'	Tripleye	12.75	14.05
11B1	11"	⅝"x7'	Thimbleye	10.10	11.15
11C1	11"	¾"x7'	Thimbleye	11.80	13.00
11C2	11"	¾"x7'	Twineye	11.80	13.00
11D3	11"	1" x7'	Tripleye	13.80	15.15

Typical Soil-Anchor Holding Strengths—Pounds

Helix Dia.	Class 2	Class 3	Class 4	Class 5	Class 6
8"	25,000	22,000	19,000	16,000	13,000
10"	28,000	25,000	21,000	18,000	14,000
11"	32,000	28,000	24,000	21,000	18,000

R.E.A. Item z.

GALVANIZED NO WRENCH SCREW ANCHOR



Chance no wrench screw anchors consist of a drop forged galvanized steel thimbleye or tripleye rod double arc welded to a high strength structural steel blade. Blade in each size anchor is correctly pitched for best installation and holding power. Small hub minimizes earth disturbance. A bar is used as a wrench for installing the anchor.

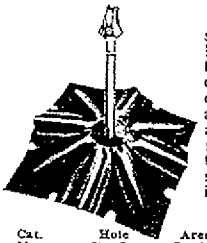
Tripleye Cat. No.	Size	Area Sq. In.	Rod Size In.	Ov'll Lgth. In.	Each Eastern Zone	Each Western Zone
4345*†	4	12½	¾	54	$3.45	$3.75
6346*	6	28	¾	66	4.30	4.70
816*	8	50	1	66	6.60	7.25
10146	10	78	1¼	66	10.10	11.15
10148	10	78	1¼	96	11.85	13.05
15148	15	177	1¼	96	20.60	22.70

Ultimate Soil-Anchor Holding Strength—Pounds

Cat. No.	Class 5	Class 6	Class 7
4345	4500	3000	1500
6346	6500	5000	2500
816	11000	9000	6000
10146	13000	10000	7000
10148	13000	10000	7000
15148	20000	17000	14000

*For Thimbleye rod, add suffix-1.
†R.E.A. Item z.

THE 8-WAY EXPANDING ANCHOR



The Chance 8-way steel expanding anchor has eight steel blades that expand to form a cone shaped square. They distribute the load evenly all the way around the anchor. There are no non-holding areas between blades. The construction of the anchor is sturdy but simple.

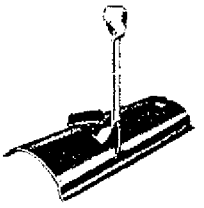
Cat. No.	Hole Size In.	Area Sq. In.	Each Eastern Zone	Each Western Zone
		Asphalt Painted		
6860	6	60	$2.00	$2.20
6870	6	70	2.10	2.35
88115	8	115	2.90	3.20
88135	8	135	2.95	3.30
		Galvanized		
6860G	6	60	2.50	2.75
6870G	6	70	2.60	2.85
88115G	8	115	3.50	3.85
88135G	8	135	3.55	3.90

Typical Holding Power — Pounds

Cat. No.	Class 3	Class 4	Class 5	Class 6	Class 7
6860	10000	8500	7000	5500	4000
6870	16000	14000	11000	8500	5000
88100	22000	18500	15000	13000	8000
88115	24500	20500	17000	14000	9000
88135	26500	22000	18500	15000	10000

R.E.A. Item z.

NEVER CREEP ANCHORS



Chance Never Creep anchors hold against solid undisturbed earth. Installation method consists of boring a hole at a 45° to 60° angle with the ground line boring toward the pole to be guyed, driving the rod at right angles to the pole and hanging the blade on the ball point of the rod. Order rods separately.

Cat. No.	Size of Anchor In.	Area Sq. In.	Each Eastern Zone	Each Western Zone
		Asphalt Painted		
617	6 x 17	102	$3.35	$3.65
622	6 x 22	132	4.10	4.50
822	8 x 22	176	5.55	6.10
827	8 x 27	216	6.10	6.65
835S	8 x 35	280	13.65	15.05
1040S	10 x 40	400	17.35	19.10
		Galvanized		
617G	6 x 17	102	4.40	4.80
622G	6 x 22	132	5.75	6.35
822G	8 x 22	176	7.35	8.10
827G	8 x 27	216	8.05	8.85
835SG	8 x 35	280	16.30	17.95
1040SG	10 x 40	400	21.25	23.35

R.E.A. Item z.

Ultimate Soil-Anchor Holding Strength - Pounds No Safety Factors Included

Cat. No.	Class 3	Class 4	Class 5	Class 6	Class 7
617	21500	18500	14500	11600	7500
622	25000	21500	17500	13500	9600
822	30000	26000	20500	16000	11500
827	34000	29000	23500	18500	13500
835S	41000	34500	27500	22000	16500
1040S	50000	43000	34000	27500	21000

EXPANDING ROCK ANCHORS



Provides secure anchorage in rock without use of concrete or lead grouting. Anchor expands against the side of a 2-inch drill hole. After anchor is expanded, the pull on the rod tends to wedge the anchor tighter against the edge of the hole.

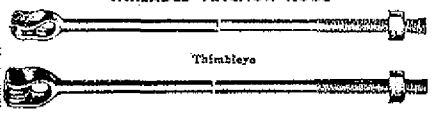
1⅜" anchor is malleable iron, dipped in corrosion-resistant asphalt paint. Drop forged ⅝" steel rods have large Tripleye to accommodate bar for expanding anchor.

Cat. No.	Rod Lgth. In.	Approx. Wt. Per 100 Lbs.	Each Eastern Zone	Each Western Zone
R-315	15	500	$4.90	$5.40
R-330	30	671	5.60	6.20
R-353	53	972	6.30	6.95
R-360	60	1050	6.55	7.20
R-372	72	1200	7.05	7.75
R-384	84	1360	7.30	8.05
R-396	96	1500	7.70	8.40

Set in holes drilled 12-in. deep in class 1 hard rock, these anchors will develop the full strength of the anchor rod. ⅝" rod ultimate strength of 23,000 pounds.

R.E.A. Item z.

THREADED ANCHOR RODS



Twineye

Cat. No.	Size	Wt. Lbs. Per 100	Per 100 Eastern Zone	Per 100 Western Zone
		Thimbleye		
5307	½" x 7'	470	$169.55	$208.80
5317*	⅝" x 7'	750	221.30	269.20
5318*	⅝" x 8'	850	246.05	296.30
5328*	¾" x 8'	1240	365.80	431.50
5330	¾" x 10'	1540	449.60	499.30
5338	1" x 8'	2250	694.30	768.80
5340*	1" x 10'	2810	839.05	957.00
		Twineye		
5347*	⅝" x 7'	765	223.45	260.30
5348	⅝" x 8'	840	248.40	305.20
5360	¾" x 10'	1560	460.15	560.00
5358*	¾" x 8'	1260	367.00	435.20
5370	1" x 10'	2820	854.50	931.30
		Tripleye		
7558	¾"x 8'	1260	404.15	475.90
7570	1" x 10'	2820	816.50	924.00
7574	1¼" x 10'	4290	1166.45	1419.10

*R.E.A. Item z.

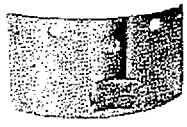
EPOXIGLAS HANDLE EXPANDING AND TAMPING BARS



Designed with an offset Epoxiglas handle to reduce vibration. Head hooks around anchor rod to prevent tamper from slipping off anchor top plate. Also used for tamping soil.

Cat. No.	Length Feet	Weight Lbs.	Each
C203-0003	10	24	$24.60
C203-0004	12	25	27.80

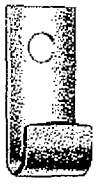
STRAIN PLATES



Strain Plates are used to prevent pole from being damaged by guy wire. Nail holes at corners are ¼" diameter. The guy hook of No. 6577 has an ⅝" mounting hole.

Cat. No.	Type	Dimens. Inches	Per 100 Eastern Zone	Per 100 Western Zone
6575	Standard	4x8x14 Ga.	$26.00	$30.70
6577	Guy Hook	4x8x14 Ga.	93.30	153.00

GUY HOOKS

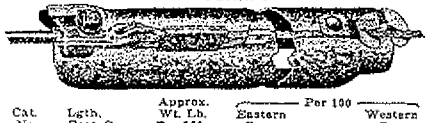


Used to keep guy wires from creeping down the pole. Made of half-oval steel, bent with the flat side to the pole to protect guy wire.

Cat. No.	Material Size In.	Hole Dia. In.	Per 100 Eastern Zone	Per 100 Western Zone
	1-Bolt Storm			
5004*	½x1½x4⅛	⅝	$34.40	$41.10
	1-Bolt Standard			
6584†	⅜x1¾x4	⅝	25.10	31.30

*R.E.A. Item v.
†R.T.A. Item bj.

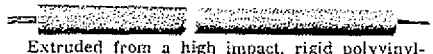
GUY GUARDS



Cat. No	Lgth. Feet	Gauge	Approx. Wt. Lb. Per 100	Per 100 Eastern Zone	Per 100 Western Zone
			Half-Round		
714MB	7	16	1060	$369.55	$415.10
814MB	8	16	1140	415.90	454.50
807	7	18	885	289.50	311.95
808	8	18	1000	304.10	354.30
			Full-Round		
7180MB	7	18	1200	460.80	483.80
8180MB*	8	18	1330	491.50	540.60

*R.E.A. Item at-1.

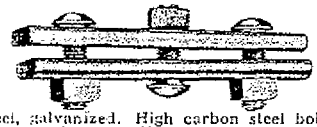
VISI-GARDS PLASTIC GUY GUARDS



Extruded from a high impact, rigid polyvinylchloride. The tube shaped guard slips over the guy strand and is locked in place with three plastic clips. The continuous flexi-lock closure seam is then snapped together, completing a full-round guard.

Cat. No.	Color	Length Feet	Per 100 Eastern Zone	Per 100 Western Zone
C204-0002	Yellow	7	$242.80	$267.10
C204-0003	Yellow	8	249.00	303.15
C204-0017	Gray	7	242.80	267.10
C204-0018	Gray	8	249.00	303.15

GUY CLAMPS

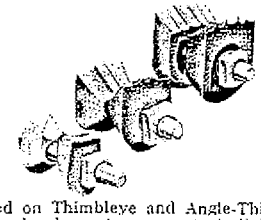


Steel, galvanized. High carbon steel bolts prevent elongation and eliminate stripping. All sizes with 3 or more bolts shipped with bolts reversed.

Cat. No.	No. of Bolts	Lgth., In.	Width, In.	Per 100 Eastern Zone	Per 100 Western Zone
			Heavy Type — ¾" Clamp Bolts		
			5/16" to ½" Strand Size		
6461*†	3	6	1⅝	$101.65	$125.20
			Medium Type — ½" Clamp Bolts		
			¾" to 7/16" Strand Size		
6447	1	1⅓	1⅝	30.55	35.60
6450*†	3	6	1⅝	84.60	101.40

*R.T.A. Item pw. †R.E.A. Item u.

BONDING CLAMPS

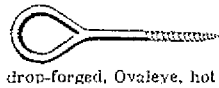


Used on Thimbleye and Angle-Thimbleye bolts to keep hardware-to-guy contacts tight.

Cat. No.	Type Rod	Rod Size In.	Per 100 Eastern Zone	Per 100 Western Zone
G5060*	Thimbleye	½ to 1	$23.15	$25.40
G5061*	Twineye	⅝ to 1	36.45	44.90
G5063*	Tripleye	¾, 1	54.85	64.60
		For PISA Anchors		
G5067	Thimbleye	½ to ⅝	70.70	79.25
G5068	Thimbleye	¾ to 1	81.35	88.65
G5069	Twineye	⅝ to 1	73.60	82.55

*R.E.A. Item ck.

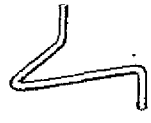
SCREW EYE BOLTS



Gimlet-point lag-screw thread, ½" diameter, drop-forged, Ovaleye, hot dip galvanized.

Cat. No.	Size of Eye, In.	Length Under Eye In.	Per 100 Eastern Zone	Per 100 Western Zone
29930	1¼ x 1⅝	6	$71.65	$77.40

PULLING-IN IRONS



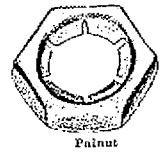
Provides a strong and easy-to-get-at attachment for the pulling-in blocks when installing or removing cables. Pulling-in irons are set into the brick or concrete walls of street vaults opposite all duct entrances. Hot galvanized.

Cat. No.	Steel Size In.	Per 100 Eastern Zone	Per 100 Western Zone
8119	⅝ Rd.	$249.30	$198.30
8120	⅞ Rd.	254.90	227.90

LOCKNUTS AND PALNUTS



M.F. Locknuts

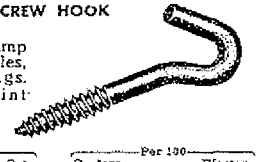


Palnut

Cat. No.	Bolt Size In.	Type	Std. Pkg.	Per 100 Eastern Zone	Per 100 Western Zone
3510†	⅝	Locknut	9000	$2.30	$3.30
3511†	½	Locknut	4000	2.60	3.35
3512†	⅝	Locknut	2500	3.60	5.10
3530	⅝	Palnut	9000	1.15	1.40
3531*	½	Palnut	4000	2.25	2.80
3532*	⅝	Palnut	2500	2.30	4.10

*R.T.A. Items Pek. †R.E.A. Items ck.

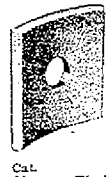
SCREW HOOK



Used for wire clamp attachments on poles, arms, or buildings. Have gimlet point rolled threads.

Cat. No.	Dim., In. Thread Dia.	Thread Lgth.	O.A. Lgth.	Per 100 Eastern Zone	Per 100 Western Zone
0317	⅜	2	4	$10.35	$11.30
500316	⅛	2½	5½	19.25	20.80

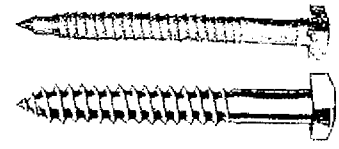
STUBBING WASHERS



When reinforcing a rotted pole with a new stub, stubbing washers are used on both ends of the bolt which draws in the wires wrapped around the pole and stub, also on both ends of the through-bolt which is sometimes run through pole and stub.

Cat. No.	Washer Size	Hole Dia.	Bolt Dia.	Per 100 East Zone	Per 100 West Zone
6809½	4 x4 x¼	⅛	⅝	$32.60	$39.30
6822	2½x2½x⅛	⅛	⅝	10.05	12.50
6823	3 x3 x¼	⅛	¾	18.20	20.30
6823½	3 x3 x¼	⅛	⅞	19.50	22.60

LAG SCREWS

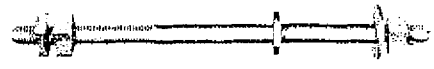


Made in two types — fetter drive and gimlet point. Fetter drive thread is furnished unless otherwise specified. Any size lag screw can be furnished.

Cat. No.	Dia. In.	Lgth. In.	Per 100 Eastern Zone	Per 100 Western Zone
		Gimlet Point Type		
8722½GP	¼	2½	$5.30	$5.40
8724GP	¼	4	7.05	7.50
8732½GP	⅜	2½	6.15	6.60
8732GP	⅜	2	5.25	5.90
8733GP	⅜	3	6.80	7.40
		Pilot-Point Fetter Drive		
508743	⅜	3	6.60	7.10
508744	⅜	4	7.35	8.10
508754	½	4	10.40	12.00
508755	½	5	12.25	14.20
508765	⅝	5	23.35	26.50

*R.E.A. Item j.

SINGLE UPSET BOLT

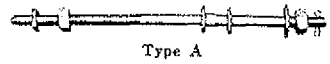


This type of insulator bolt is used for supporting neutral grounded wires for rural work. A rack type insulator is used on the collar end of the bolt and is installed in a horizontal position. 6" of thread at one end, 1⅛" the other, 1⅜" diameter collar. Collar to short end is 4⅛". ⅝" diameter. Used with insulator 255 (not included).

Cat. No.	Dim., In. Thread	Length	Wt., Lb. per 100	Per 100 Eastern Zone	Per 100 Western Zone
7741*	6	12¾	152	$82.50	$95.90
7741½*	6	13¾	160	84.50	98.70
7742*	6	14¾	170	86.90	101.80
7743	6	16¾	186	90.60	107.00

R.E.A. Item bs.

DOUBLE UPSET BOLTS



Type A

Collar to short end is 4½". Collar to collar is 1½", ⅝" diameter and 1¼" thread on short end. Hex section between collars permits the bolt to be held while tightening the nut. Used with insulator No. 255 (not included). Wires extend about 3" from pole.

Cat. No.	Length Inches	Wt. Lbs. Per 100	Per 100 Eastern Zone	Per 100 Western Zone
7830*	15¾	177	$101.70	$118.60
7832	18¾	195	105.90	124.30
7826*	14½	156	96.35	112.00
7828*	15½	166	99.05	115.20

*R.E.A. Item q.

DOUBLE ARMING BOLTS WITH FULL LENGTH THREAD

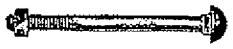


Cat. No.	Lgth. Inches	Wt. Lbs. per 100	Per 100 Eastern Zone	Per 100 Western Zone
		⅝-Inch Diameter		
*8862	12	150	$58.25	$70.10
*8864	14	176	62.10	75.10
*8866	16	182	68.30	86.10
*8868	18	198	72.35	91.90
*8870	20	214	75.90	93.50
*8872	22	230	80.20	98.80
*8874	24	246	84.05	102.80
		¾-Inch Diameter		
*8888	18	318	107.10	128.90
*8890	20	338	114.50	137.40
*8892	22	348	120.55	144.20
*8894	24	388	125.60	152.90

*R.E.A. Item n.

CHANCE POLE LINE HARDWARE

CARRIAGE BOLTS

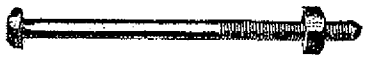


All bolts have square nuts, finished points and rolled threads — assuring good nut fit. Any size of manufacturer's standard Carriage Bolts can be furnished. Open hearth steel, hot galvanized. Furnished with standard heads, shoulders, nuts and rolled heads.

Cat. No.	Size, Inches: Bolt Lgth.	Thread Lgth.	Per 100: Eastern Zone	Western Zone
		⅜-Inch Diameter		
8634	4	1¾	$8.90	$10.20
8634½	4½	1¾	9.35	10.90
8635	5	1¾	9.90	11.20
8635½	5½	1¾	10.25	11.70
8636	6	3	10.65	12.00
		½-Inch Diameter		
8644½	4½	3	14.20	16.50
8645	5	3	14.70	17.20
8646	6	3	15.80	18.70
		⅝-Inch Diameter		
8676	6	3	25.30	31.50

R.E.A. Item i.

MACHINE BOLTS



All bolts have square nuts and rolled threads. Perfect rolled threads insure good nut fit. Cone-type point for easy starting and driving out without damage to threads. Any size of manufacturer's standard Machine Bolts can be furnished.

Cat. No.	Length, In.: Bolt	Thread	Per 100: Eastern Zone	Western Zone
		⅜-Inch Bolt		
8604½	4½	3	$9.90	$10.90
		½-Inch Bolt		
8704½	4½	3	15.30	18.60
8706	6	3	16.90	20.20
8707	7	3	24.05	28.40
8708	8	4	25.25	30.00
8710	10	6	26.85	32.30
8712	12	6	29.95	37.10
8714	14	6	32.85	40.00
8716	16	6	36.05	43.60
8718	18	6	45.00	49.20
		⅝-Inch Bolt		
8806	6	3	26.45	31.20
8808	8	4	30.55	37.30
8810	10	4	35.25	43.70
8812	12	6	40.15	49.50
8814	14	6	43.50	59.80
8816	16	6	49.75	61.30
8818	18	6	54.00	66.70
8820	20	6	58.00	74.20
8822	22	6	65.95	76.80
8824	24	6	71.00	79.60
		¾-Inch Bolt		
8910	10	4	59.10	69.10
8912	12	6	64.80	75.50
8914	14	6	69.55	79.60
8916	16	6	77.60	90.70
8918	18	6	82.55	94.00
8920	20	6	92.15	103.10
8922	22	6	94.70	108.80
8924	24	6	101.90	118.30

R.E.A. Item c.

CLAMP PINS

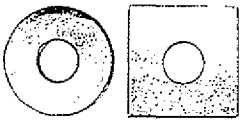


Carriage-bolt standard crossarm type. 3¾"x4¾", ⅝"x7" carriage bolt, ⅛"x 1½" washer plate.

Cat. No.	Thread Size	Per 100: Eastern Zone	Western Zone
14322†	1"	$384.10	$399.20
14322-1	1⅜"	441.20	508.50
3721	Corner Type	264.95	296.70

†R.E.A. Item f-1.

ROUND AND SQUARE WASHERS

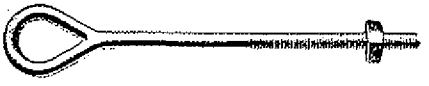


Round for carriage and machine bolts, square for crossarm bolts.

Cat. No.	Dim. In.: O.D. Washer Size	Hole Dia.	Bolt Dia.	Per 100: Eastern Zone	Western Zone
		Round Washers			
6801	1 x14 Ga.	⅞	⅜	$0.80	$1.00
6802	1¼x14 Ga.	⅞	⅜	1.30	1.60
6803*	1⅜x12 Ga.	1⅛	½	1.70	1.95
6805*	1¾x10 Ga.	1⅛	⅝	3.35	3.70
6808	2 x 9 Ga.	1⅛	¾	10.90	11.00
		Square Washers			
6811	2 x2 x⅛	⅞	⅜	4.25	5.20
6812	2 x2 x⅛	1⅛	⅝	4.25	5.20
6813	2¼x2¼x⅛	1⅛	⅝	6.65	8.10
6814*	2¼x2¼x⅛	1⅛	¾	6.65	8.10
6817*	3 x3 x¼	1⅛	¾	19.50	20.80
6818*	4 x4 x⅛	1⅛	¾	24.95	28.90
6819	4 x4 x¼	1⅛	⅞	33.65	38.70
6819½*	4 x4 x½	1⅛	¾	67.90	80.30
6820	4 x4 x½	1⅛	1	69.65	80.00

*R.E.A. Item d.

OVAL EYE BOLTS



Drop-forged steel, hot galvanized. Measured from under eye to end. 8-inch bolts have 4 inches of rolled thread; 10-inch bolts or longer, 6 inches of rolled thread. Bolts with ⅝" and ¾" shanks have 1½"x2" eyes.

Cat. No.	Length Under Eye, Inches	Wt. Lbs. Per 100	Per 100: Eastern Zone	Western Zone
	⅝-Inch Shank Diameter — 9/16-Inch Eye Stock Diameter			
29958	8	126	$68.25	$82.10
29959	9	134	70.05	84.20
29960	10	148	71.85	86.20
29962	12	158	74.10	90.30
29964	14	172	79.35	95.60
29966	16	192	87.15	106.80
	¾-Inch Shank Diameter — ⅝-Inch Eye Stock Diameter			
29978	8	200	111.85	127.30
29980	10	222	113.65	131.30
29982	12	248	120.05	139.10
29984	14	268	125.45	146.90
29986	16	314	133.70	157.10

R.E.A. Item o.

GROUND WIRE STAPLES

Galvanized



Cat. No.	Length	Distance Between Legs	Per 100: Eastern Zone	Western Zone
7511	1"	⅞"	$1.50	$1.90
7511¾*	1½"	¼"	25.60*	27.15*
7512	2"	½"	3.15	4.10
7513	2"	1⅛"	3.85	5.00
7522	3"	1⅛"	6.60	8.60

*Cwt.

R.E.A. Item el.

POLE STEPS



Made from the best grade hot-rolled open-hearth steel, which insures maximum strength. Standard Hook Head type has fetter drive thread which permits easy installation.

Cat. No.	Size Inches	Wt. Lbs. Per 100	Per 100: Eastern Zone	Western Zone
506124	⅝x 9	94	$31.75	$38.50
506125	⅝x10	95	33.90	41.40

SERVING SLEEVES

Hot Galvanized



For serving the ends of guy strand which project beyond the guy clamp. Installation is quick and easy. The slot is placed over the guy strand then turned toward the guy clamp, a few light taps of a wrench or pliers completing the job.

Cat. No.	Strand Size Inches	O.A. Lgth. Inches	Wt. Lb. per 100	Per 100: Eastern Zone	Western Zone
6451	⅜	1¼	2.	$11.10	$14.65
6452	¼	1⅝	2.8	11.10	13.90
6453	⅜	1½	5.9	11.10	9.90
6454	⅜	1⅝	7.3	11.10	10.25
6455	⅜	2	12.	15.80	17.35
6456	½	2¼	22.	15.80	18.05

ANGLE THIMBLEYES

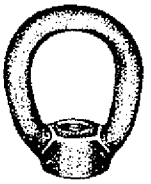


Cat. No.	Per 100: Eastern Zone	Western Zone
	⅝-Inch	
0100†	$77.85	$90.90
	¾-Inch	
0101	77.85	92.30

Std. Pkg. 50.

†R.E.A. Item

ROUND EYE NUTS



Most commonly used for dead-ending, back guying, and attaching pole head guy on the threaded end of cross arm bolt. Eye nuts are tapped for ½, ⅝ and ¾-inch bolts.

Cat. No	Dia. Bolt In.	Eye Lgth. In.	Wt. Lb. per 100	Per 100: Eastern Zone	Western Zone
6500	½	1⅜	51	$53.30	$55.80
6502	⅝	1¾	66	52.80	55.80
6503	¾	1¾	64	53.15	55.80

*R.E.A. Item aa-ab.

TWINEYE NUTS



Cat. No.	Per 100: Eastern Zone	Western Zone
	⅝-Inch	
6560	$137.90	$148.90
	¾-Inch	
6561	139.90	161.90

Std. Pkg. 50.

FORGED THIMBLEYE NUTS



Cat. No.	Size In.	Eye In.	Std. Pkg.	Per 100: Eastern Zone	Western Zone
6510*†	⅝	1½	50	$63.00	$70.10
6511	¾	1½	50	68.55	72.80

†R.E.A. Item aa-ab.

STRAIGHT THIMBLEYE BOLT



Straight thimbleye bolts have full rounded, deep grooved head to protect guy strand from kinking, bending or spreading. Drop forged steel, galvanized. ⅝" and ¾" have cone-type points and 6" of rolled thread. 1" bolts have cut threads and rounded points.

Cat. No.	Size Inches	Wt. Lb. per 100	Per 100: Eastern Zone	Western Zone
5508	⅝x 8	128	$70.40	$88.90
5510	⅝x10	156	74.00	94.30
5512	⅝x12	172	77.75	99.00
5610	¾x10	202	121.55	134.20
5612	¾x12	232	124.35	137.20
5692	1 x12	458	304.15	304.65

R.E.A. Item ao.

ANCHOR SHACKLES

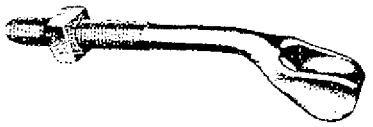


Galvanized. Uses ⅝" bolt.

Cat. No.	Per 100: Eastern Zone	Western Zone
	2½" x ¾"	
5801	$101.65	$109.75
	3" x ¾"	
5818	238.55	267.20

CHANCE POLE LINE HARDWARE

ANGLE THIMBLEYE BOLT



The 45° angle thimbleye bolt has full rounded, deep grooved head to protect guy strand from kinking, bending or spreading. Drop forged steel, galvanized. ¾" bolts and under have 6" of rolled thread and cone-type points.

Cat. No.	Size Inches	Wt. Lb. per 100	Per 100 Eastern Zone	Per 100 Western Zone
5006	⅜ x 6	112	$82.50	$97.75
5008	⅜x 8	128	71.10	87.90
5010	⅜x10	156	77.40	95.90
5012	⅜x12	172	78.45	97.40
5108T	¾x 8	171	114.65	136.95
5110T	¾x10	202	125.75	145.40
5112T	¾x12	232	133.30	144.50

R.E.A. Item ba.

GUY THIMBLES



Primarily used with Oval-eye Anchor Rods and Bolts.

Cat. No.	Strand Size	Guy Rod Clearance	Per 100 Eastern Zone	Per 100 Western Zone
6643	¼"	½"	$13.60	$16.60
6593	⅜"	½" & ⅝"	10.75	11.20
6594	½"	⅝" & ¾"	14.30	15.30
6595*†	⅝"	1"	43.75	37.70

*R.T.A. Item Pbm. †R.E.A. Item bm.

LAG SCREW PINS



Lag Screw Pins have sharp gimlet-point threads and are used primarily for pole and transformer wiring. Forged steel, hot dip galvanized with 1" cast lead thread.

Cat. No.	Shank Dia.	Ht. Above Arm	Per 100 Eastern Zone	Per 100 Western Zone
873	½	5	$85.80	$90.80
875	½	6	90.90	100.55
888	⅝	5	85.45	95.20

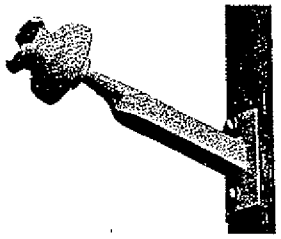
THIMBLE ADAPTER PINS



Designed with sufficient extension for insulator clearance when used on bolt ends. They seat firmly against the crossarm. A heavy American standard ⅝" nut is crimped to the bottom of the thimble. Lead thread takes 1" standard pin insulators.

Cat. No.	For Max. Stud Length	Overall Length	Per 100 Eastern Zone	Per 100 Western Zone
4258	3	5¼	$105.20	$116.70

METAL STANDOFF PINS



These galvanized steel standoffs are mounted to the pole with two through bolts. A 1" lead thread fits standard pin-type insulators. The back plate is curved to fit 3½" radius. 5" bolt spacing.

Cat. No.	Pole to Pin. Dimens. In.	Vertical Cantilever Rating Lts.	Per 100 Eastern Zone	Per 100 Western Zone
C206-0028	12	1300	$409.00	$449.90
C206-0029	15	1400	426.65	469.30
C206-0030	18	1200	446.20	490.80

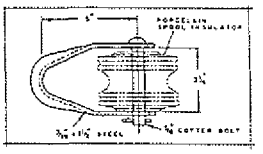
SAGGER BRACKET



The Sagger Bracket serves double duty: it supports the conductor during stringing operations and then may be rotated to an upright position to become a permanent clevis. Has same overall dimensions as C207-0024 clevis.

Cat. No.	Sagger Bracket:	Per 100 Eastern Zone	Per 100 Western Zone
C207-0072	Less Insulator	$71.00	$77.35
C207-0073	Assembled with 5101 (Brown) Insulator	96.70	105.55
C207-0074	Assembled with 5101S (Sky-Glaze) Insulator	105.55	105.55

SWINGING CLEVISES

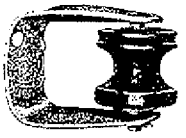


For use with Insulator Nos. 255, C909-1032/1034.

Clevis Cat. No.	Use Insul. No.	Std. Pkg.	Per 100 (Less Insulators) Eastern Zone	Per 100 (Less Insulators) Western Zone
0352	355DP	50	$71.10	$83.70

R.E.A. Item g.

CURVED BACK CLEVIS

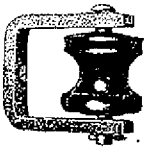


Made of No. 9 ga. steel. Wide back, with 2⅜" radius. Resists line pull. ⅝" center hole. ⅞" side holes.

Cat. No.	Extension to Center of Ins. in.	Clevis Opening in.	Per 100 Eastern Zone	Per 100 Western Zone
*0327	4	3¼	$115.80	$146.90

*Less Insulator.

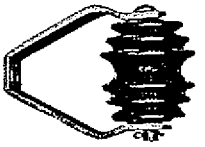
RIGID AND SERVICE CLEVISES



Cat. No.	Use Spool Nos.	Per 100 (Less Insulators) Eastern Zone	Per 100 (Less Insulators) Western Zone
468*	255, C909-1032/1034	$65.25	$77.10
0340*	255, C909-1032/1034	68.50	72.70
0341†	0606, C909-1931	54.10	63.40
0322	255, C909-1032/1034	88.90	95.15

*R.E.A. Item a. †R.E.A. Item bb.

HEAVY DUTY SECONDARY DEAD END CLEVIS



Cat. No.	Use Spool No.	Per 100 (Less Insulators) Eastern Zone	Per 100 (Less Insulators) Western Zone
0344	C909-1035	$96.90	$115.70

THIMBLE CLEVIS



2" diameter wire groove for ¾" strand or under.

Cat. No.	Per 100 Eastern Zone	Per 100 Western Zone
573	$77.35	$85.70

SECONDARY RACKS

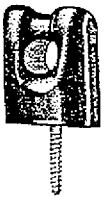


The back is heavy pressed steel, points are riveted to the back. Insulator bolt is made of ⅝" high carbon steel. Mounting slots are ½" x 1¼", mounting holes are ⅞" x ¾". Extension to center of bolt hole, 4"; to center of outer wire groove, 4⅝". Insulator No. 255 not included.

Cat. No.	No. of Wires	Dimens. In. End Mtg. Hole Spacing	C.A. Back Lgth.	Per 100 Eastern Zone	Per 100 Western Zone
C207-0045	3	16	21	$314.00	$390.70
C207-0046	4	24	29	414.75	464.90
C207-0047	3	24	26	321.25	386.80
C207-0048	4	32	34	417.20	496.10

WIREHOLDERS

Dry Insulator Process — Brown



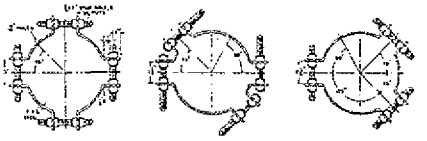
This single point wireholder offers all the advantages of strength and compactness. The wire hole is 1 inch diameter and will accommodate normal sized service wires. Screws are smooth, sharp pointed for easy starting and full threaded.

Hot galvanized steel and brown glazed porcelain insulator, dry process. Base is 1⅛" in diameter and ⅞" high; height of insulator only is 3⅛"; wire hole size is ⅞" x 1"; center of wire hole to base is 1⅜".

Cat. No.	Per 100 Eastern Zone	Per 100 Western Zone
With No. 22"x2¼" Galv. Wood Screws		
3-11-44*	$75.70	$86.55
With No. 22"x3" Galv. Wood Screws		
3-11-45	80.80	91.70
With Pipe Clamp for 2" Pipe		
3-11-66	123.85	132.95
With Pipe Clamp for 2½" Pipe		
3-11-67	123.85	132.95

*R.E.A. Item ar.

ADJUSTABLE POLE BANDS



Four-way by using Connecting Links. Three-way has take-offs at 90° and 135° away.

Cat. No.	Type	Pole Dia. In.	Per 100 Eastern Zone	Per 100 Western Zone
		4-Way		
C203-0194	90°	6-11 1/2	.....	$525.60
0195	135°	6-11 1/2	.....	587.25
0197	90°	9-1/2-14	.....	565.00
0198	90°	9-1/2-14	.....	587.25
		3-Way		
0196	90°	6-11 1/2	.....	530.60

CONNECTING LINKS

For Pole Bands



No. 9026 is ¼"x3". Others are ¼" x 2". Length shown is center hole to center hole.

Cat. No.	Length In.	Per 100 Eastern Zone	Per 100 Western Zone
C203-0183	7 1/2	.....	$197.95
C203-0184	13 1/2	.....	175.90
C203-0182	7 1/2	.....	116.05

CHANCE

FORGED STEEL PINS



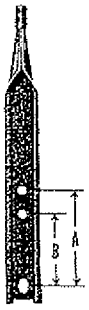
Made with 1" plastic or lead thread for pin-type insulators. All the ½" and ⅝" long-shank pins are furnished with 2"x2"x⅛" square washers, and the ¾" pins with 2¼"x2¼"x ⅛" square washers.

Also these pins are equipped with square nut and M-F lock nut. Short shank pins are furnished with spring lockwasher and square nut only. Saddle-base type includes washer for roofed crossarms.

Cat. No.	Shank Dia.	Height Over-Above all Arm Length	Per 100 Eastern Zone	Per 100 Western Zone
LEAD THREAD				
For Wood Crossarms—Flat-Base—Long-Shank Type				
881*	⅝	5 10¾	$90.55	$105.30
883*	⅝	6 12½	104.70	120.60
884*	⅝	6 11¾	100.90	110.20
890*	¾	6 12½	141.10	164.00
For Steel Crossarms—Flat-Base—Short-Shank Type				
893*	¾	6 7¾	121.05	135.90
PLASTIC THREAD				
For Wood Crossarms—Flat-Base—Long-Shank Type				
917	⅝	5 10¾	$102.05	$116.65
920	⅝	6 12½	115.55	131.75
921	⅝	6 11¾	112.40	127.00
924	¾	6 12½	152.60	174.65
For Steel Crossarms—Flat-Base—Short-Shank Type				
978	¾	6 7¾	132.55	147.00

*EEI Standard.

POLE TOP PINS
Pressed Steel Type

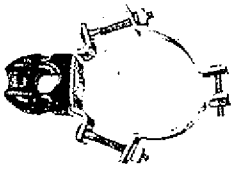


Made with either straight or flared base, hot galvanized pressed steel, 1" lead or plastic thread.

When no "A" dimension is given, the pin has two mounting holes.

Cat. No.	Dimens. In. Length A	B	Per 100 Eastern Zone	Per 100 Western Zone
Plastic Thread — Straight Base				
2145	15	 5	$118.00	$151.15
2146	18	3 5	132.20	170.00
2147	20	 8	216.70	269.25
Plastic Thread — Flared Base				
2159	18	2 6	163.00	184.70
Lead Thread — Straight Base				
2162	15	 5	118.00	140.10
C206-0106	18	3 5	132.20	148.90
2199	20	 8	216.70	258.10
Lead Thread — Flared Base				
2190	18	2 6	155.25	169.60
Lead Thread — Straight Base — 1⅜" Threads				
2195	20	 8	208.30	252.60

INSULATED WIREHOLDERS



Wrap around pipe for service entrance—Dry process porcelain insulator.

Cat. No.	Pipe Range	Wire Hole Size	Per 100 Eastern Zone	Per 100 Western Zone
P-1225	1¼" to 2½"	1"	$166.25	$174.25
P-1226	3" to 4"	1"	231.05	240.15

POLE BUTT GROUND PLATES



Plates are nailed to bottom of wood poles and ground wires attached to the pigtail. All plates have 4 holes and are hot dipped galvanized.

Cat. No.	Size	Pigtail Length	Per 100 Eastern Zone	Per 100 Western Zone
C203-0118	7" Dia.	15"	$238.80	$237.60
C203-0119	10" Dia.	15"	266.80	289.60
C203-0120	14" Dia.	15"	321.10	368.30
C203-0123	7½" Sq.	12"	158.25	161.75
C203-0124	7½" Sq.	12"	375.95	412.85

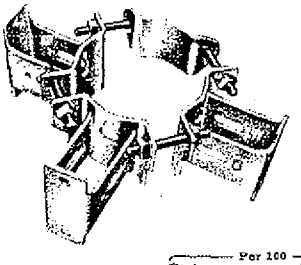
NEUTRAL OFFSET BRACKET



Used to keep neutral well away from the pole to provide clearance or climbing space. Takes 5101 or comparable spool insulator. Braces have holes for ½" diameter bolts or lags. Arm length from face of an 8" diameter pole to center of insulator is 15".

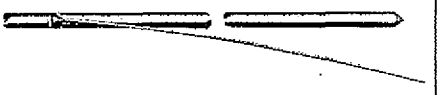
Cat. No.	Rod Dia.	Per 100 Eastern Zone	Per 100 Western Zone
C206-0004	⅝"	$369.10	$435.50

TRANSFORMER MOUNTING BRACKETS



Cat. No.		Per 100 Eastern Zone	Per 100 Western Zone
Adapter Plates for Mtg. Transformer on 1-Segment			
8B		$1.70	$1.85
Adapter Plates for Mtg. 4-Lug Transformers			
R2B		2.10	2.30
Complete Assemblies			
Cat. No.	No. of Transformers	Wt. Lbs.	
3 Kva to 25 Kva			
115	1	26	12.20 13.30
215	2	39	17.30 18.85
315	3	52	23.15 25.25
3 Kva to 100 Kva			
150	1	43	19.65 21.40
250	2	55	29.40 32.05
350	3	69	37.80 41.20
3 Kva to 167 Kva			
1100	1	55½	23.10 25.20
2100	2	85½	37.75 41.15
3100	3	117½	50.35 54.90

GROUND RODS

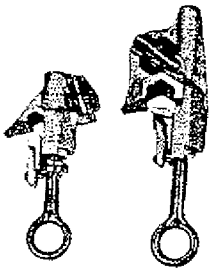


Made from high carbon open-hearth steel with a sharp point for driving.

Cat. No.	Dia. In.	Length Feet	Per 100 Eastern Zone	Per 100 Western Zone
Galvanized With Electro Brazed Pigtails				
C203-0101	⅜	5	$120.25	$138.90
C203-0102	½	5	142.20	150.20
C203-0104	½	8	200.10	209.20
C203-0107*	⅝	8	285.85	285.60
C203-0108	⅝	10	276.00	321.80
C203-0109*	¾	8	351.40	362.00
Standard—No Pigtails				
8555	⅜	5	81.35	89.50
8565	½	5	93.15	117.10
8568	½	8	147.60	182.80
8578	⅝	8	204.85	265.50
8580	⅝	10	250.60	322.60
8618	¾	8	291.20	381.50

*R.E.A. Approved.

HOT-LINE CLAMPS



S1520 series for main line conductor sizes. Maximum: 1/0 ACSR. Minimum: No. 8 Sol. AWG.

S1530 series for main line conductor sizes. Maximum: 336.4 MCM ACSR. Minimum: No. 6 Sol. AWG

S1535 series for aluminum main line conductor sizes. Maximum: 397.5 MCM ACSR. Minimum: No 4 ACSR.

S1540 and S1545 series for armored main line conductor sizes. S1540 Maximum: 266.8 MCM ACSR*. Minimum: No. 4 ACSR*. S1545 Maximum 556.5 MCM ACSR*. Minimum: 4/0 ACSR*.

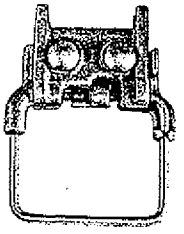
*Includes Straight or Preformed Armor.

Cat. No.**	Type Connection Main	Tap	Each
S1520AA	Aluminum	Aluminum	$1.69
S1520AGP	General Purpose #		1.85
S1530AA	Aluminum	Aluminum	2.25
S1530AC	Aluminum	Copper	3.40
S1535AA	Aluminum	Aluminum	4.13
S1535AGP	General Purpose #		4.35
S1540AA	Aluminum	Aluminum	4.76
S1540AC	Aluminum	Copper	3.84
S1545AA	Aluminum	Aluminum	6.47
S1545AGP	General Purpose #		7.35

**For Packaged Clamps, add Prefix "P" in place of "S".

#AGP Clamps have aluminum bodies and a fortified plating to inhibit galvanic action at bi-metallic contacts.

ALUMINUM BAIL CLAMPS



Securely grips the conductor and adds to the resilience of the gripping action and protects against possible conductor cold flow due to line tension, ice loading or surge effects.

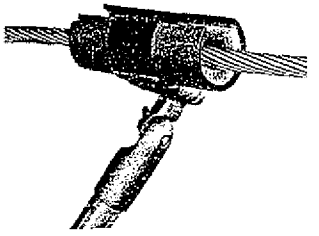
There are two sizes of bail clamps — 820 series for No. 6 to 1/0 ACSR; and the 850 series for 1/0 to 397.5 MCM ACSR.

Cat. No.*#	Conductor Range	Each
	Plated Steel with Hex Nuts	
BC-820	No. 6 to 10 ACSR	$2.25
	Plated Steel with Eye Nuts	
BC-823	No. 6 to 1/0 ACSR	3.09
	Aluminum with Hex Nuts	
BC-852	1/0 to 397.5 ACSR	4.60
	Aluminum with Eye Nuts	
BC-854	1/0 to 397.5 ACSR	5.13

*For ordering clamps protected with pullstring seal, add prefix "P" to catalog number.

#For ordering clamp with plated aluminum bodies, add suffix "—AGP" to catalog number.

CONDUCTOR CLEANING BRUSHES



Enables linemen to clean the entire circumference of the conductor with no more than two hand or tool positions. The same brush with a universal adapter can be used with a universal tool on higher voltages.

Cat. No.	Description	Each
M4455-92	Universal Safety	$7.00
M4455-93	Safety Hand	4.00

CHANCE TOOLS

EXTRUDED PARALLEL GROOVE CLAMPS



A high performance line of extruded aluminum parallel groove clamps with excellent electrical and mechanical properties for use on both distribution and heavy service connections.

Chance SPG Clamps consist of two high strength, corrosion-resistant, aluminum alloy extrusions, a flat washer and a bolt.

Resilient bolt-retaining feature eliminates lock washer and enables clamps to be removed and reinstalled at other locations. (Suffix –2 or –3 means 2 or 3 bolt clamps)

Cat. No.	Main Line Range	Tap Range	Per 100
SPG100	2 to 8	2 to 8	$23.80
SPG105	1/0 to 6	1/0 to 6	31.20
SPG105-2	1/0 to 6	1/0 to 6	62.75
SPG110	2/0 to 6	2/0 to 6	32.50
SPG110-2	2/0 to 6	2/0 to 6	77.82
SPG120	4/0 to 2	1/0 to 6	47.30
SPG120-2	4/0 to 2	1/0 to 6	94.40
SPG125	4/0 to 4	4/0 to 4	48.75
SPG125-2	4/0 to 4	4/0 to 4	110.40
SPG130	397.5 to 1/0	2/0 to 6	66.65
SPG130-2	397.5 to 1/0	2/0 to 6	147.40
SPG135-2	397.5 to 2/0	397.5 to 2/0	256.80
SPG135-3	397.5 to 2/0	397.5 to 2/0	269.17

SEAL-A-CONN MASTIC CONNECTOR COVERS



A Mylar-covered mastic compound designed to seal out moisture and protect the connection from erosion, dirt, etc. Box contains 20 pads. Rolls of 30' furnished in dispenser.

Cat. No.	Description	Each
M1930-1	3"x4"x⅛" Pads	$1.50
M1930-2	4"x4"x⅛" Pads	2.10
M1930-3	6"x4"x⅛" Pads	3.50
M1931-1	4"x4"x⅛" Pads—Super	2.60
M1930-10	10'x4"x⅛" Rolls	3.50
M1930-30	30'x4"x⅛" Rolls	7.00
M1932-30	30'x7"x⅛" Rolls	13.75
M1931-30	30'x4"x⅛" Rolls—Super	9.60



Z.I.N. 100 ELECTRICAL CONTACT AID

Improves and stabilizes aluminum, copper, and bi-metal connections.

Squeeze-type bottle permits a controlled flow. Each bottle is refillable and equipped with a cap to seal off the compound when not in use. Also available in one quart and one gallon cans.

Cat. No.	Description	Each
M1920-3	3-Ounce Bottle	$0.93
M1920-4	4-Ounce Bottle	.75

TRIP AUGER

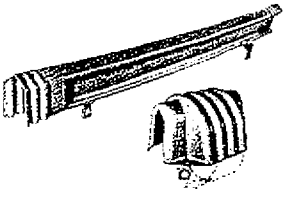


Dump trip auger with telescoping handle and reamer blade.

Cat. No.	Hole Dia. In.	Hole Depth, Ft.	Each
812-A	8¼ to 14⅝	8	$41.00
813-A	8¼ to 19¾	10	44.50

CONDUCTOR AND INSULATOR COVERS

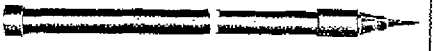
For 15 KV



Light-weight and extremely durable, this flexible plastic safety cover-up system will fit conductors up to 1", slide endwise over armor rod 1-3/8", join together over insulators and may be installed with rubber gloves or Grip-All on 15KV systems.

Cat. No.	Description	Each
M4946	60" Line Guard	$22.00
M4947	Insulator Cover, Pin or Post	10.50
M4933	24" Crossarm Cover	22.50
C406-0009	Cutout Cover	28.00

PIKE POLE



Available in both Safety Point and Standard Point models, the only difference being the use of a rivet in the ferrule to permanently affix the Standard Point type. Chance pike poles are made with Epoxiglas handles.

Size	Standard Point Cat. No.	Standard Point Each	Safety Point Cat. No.	Safety Point Each
2" x 10'	210CH	$35.70	210PH	$36.75
2" x 12'	212CH	40.95	212PH	42.00
2" x 14'	214CH	46.20	214PH	47.25
2" x 16'	216CH	51.45	216PH	52.50
2" x 18'	218CH	58.30	218PH	58.80
2" x 20'	220CH	64.30	220PH	65.10

CHAIN HOISTS



Made in one-ton and two-ton models. Both models give 5½ feet of lift. One-ton hoist, proof-tested to 3,000 pounds; the two-ton hoist, proof-tested to 6,000 pounds. The hooks can be pulled in to a minimum distance of 11 inches for working in cramped quarters. Operated by short strokes of the handle.

Cat. No.	Rating	Type Hook	Each
3010	1-Ton	Standard	$64.00
3010S	1-Ton	Safety	65.00
4010	2-Ton	Standard	111.00
4012	2-Ton	Safety	115.00

NYLON HOISTS

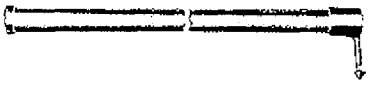


All the features of the Chance Chain Hoist with a nylon strap for extra safety.

Chance Epoxiglas is used for the handle. Down wound strap take-up. Safety hooks on both ends.

Cat. No.	Rating	Each
C309-0029	1-Ton	$96.00

DISCONNECT STICKS



Disconnect sticks provide insulation safety for linemen in opening and closing disconnect switches and outlets. They are also used for installing and removing openlink fuse links.

Poles are made of Epoxiglas®. NEMA-standard heads of cast bronze are of two types—switch head or disconnect head.

For convenience in transporting and/or where greater length is required, Splice Disconnect Sticks are available. The splice is strong and rigid . . . easy to put together and easy to take apart.

1¼" Switch Cat. No.	Lgth.	Each	1½" Disconnect Cat. No.	Lgth.	Each
H3046	*	$2.00	H3046-2	*	$3.25
H3046-11	4'	10.25	H3046-21	4'	16.00
H3046-12	6'	14.25	H3046-22	6'	20.50
H3046-13	8'	18.25	H3046-23	8'	25.00
H3046-14	10'	22.25	H3046-24	10'	29.50
H3046-17	12'	26.25	H3046-15	12'	34.00
			H3046-16	16'	43.00
			H3046-18	18'	47.50
			H3046-20	20'	52.00

*Head only.

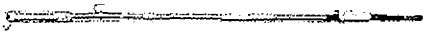
Spliced Disconnect

Cat. No.	Length	Wt. Lb.	Each
H3146-12	1¼" x 6' & 6'1" x 1½"	6	$48.30
H3146-14	1¼" x 6' & 8'1" x 1½"	6¾	52.60
H3146-16	1¼" x 8' & 8'1" x 1½"	7½	56.70
H3146-18	1¼" x 8' & 10'1" x 1½"	8¼	62.00
H3146-20	1¼" x 10' & 10'1" x 1½"	9	66.15
H3146-22	1¼" x 10' & 12'1" x 1½"	9¾	70.35
H3146-24	1¼" x 12' & 12'1" x 1½"	10½	74.50

Fiberglas Head Disconnect

Cat. No.	Length	Wt. Lb.	Each
H3046-5	1¼" x 4'	1⅝	$13.25
H3046-6	1¼" x 6'	1⅞	17.00
H3046-7	1¼" x 8'	2⅛	21.00
H3046-8	1¼" x 10'	2⅜	25.25
H3046-9	1½" x 12'	4	32.50
H3046-10	1½" x 16'	5¼	44.85

GRIP-ALL CLAMPSTICKS

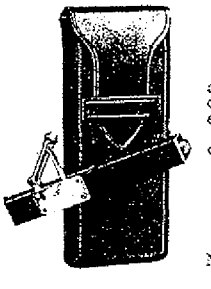


Epoxiglas

In addition to its use for applying tap and grounding clamps, it serves as a useful tool for opening fuse cutouts, for removing fuse tubes from cutout boxes, and for handling energized conductors. An all-plastic head is available for underground and congested areas.

Cat. No.	Overall Length	Head	Each
H1964-4	4' 5½"	Aluminum	$37.50
H1964-6	6' 5½"	Aluminum	43.00
H1964-8	8' 5½"	Aluminum	46.50
C403-0291	4' 5"	Plastic	39.00
C403-0292	6' 5½"	Plastic	44.00
C403-0293	8' 5½"	Plastic	49.00

TELEHEIGHT



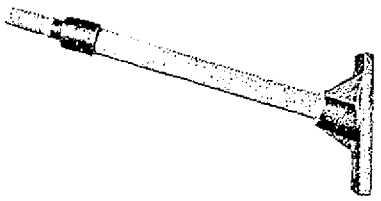
Used to figure quickly and accurately the height of poles, trees, buildings, etc.

Complete with leather case.

No. CW Teleheight.. .....each $16.25

CHANCE EPOXIROD CONSTRUCTION ASSEMBLIES

STANDOFF ASSEMBLY



Slim silhouette gray shapes are used with pintype insulators to give clean "armless" construction. Epoxirod is 1¼" or 1½" diameter.

Cat. No.	Pole to Cond. Clearance	Mtg. Hole Spacing	Each
C653-0030	15"	6"	$8.25
C653-0031	18"	6"	10.35
C653-0241	18"	8"	12.00
C653-0032	20"	6"	10.80
C653-0242	20"	8"	12.35
C653-0276	24"	8"	13.25

POLETOP ASSEMBLY



These 1¾" and 1½" diameter rods can be used with Standoff and Bi-Unit assemblies, using standard pintype insulators. Mounting base is slotted for 6" to 8" hole spacing.

Cat. No.	Height Above Pole	Epoxirod Diameter	Each
C653-0114	12"	1¼"	$8.55
C653-0115	15"	1½"	9.90
C653-0116	18"	1½"	10.90
C653-0117	21"	1½"	11.60

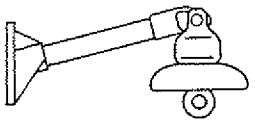
BI-UNIT ASSEMBLY



Two 1½" diameter Epoxirod units mounted to same base casting to provide ease in installation. Available with or without standard pintype insulators.

Cat. No.	No. of Insulators Furnished	Cond. to Cond. Clearance	Hole Spacing	Each
C653-0160	2	30"	6"	$18.75
C653-0162	0	30"	6"	16.00
C653-0306	2	30"	8"	19.40
C653-0307	0	30"	8"	17.00
C653-0161	2	36"	6"	19.85
C653-0163	0	36"	6"	17.45
C653-0308	2	36"	8"	22.95
C653-0309	0	36"	8"	18.40

SUSPENSION ASSEMBLY



A compact method of using suspension insulators on distribution. Six inch insulators attaches to 1½" diameter Epoxirod assembly.

Cat. No.	No. of Insulators Furnished	Pole to Cond. Clearance	Hole Spacing	Each
C653-0279	0	13"	6"	$ 7.40
C653-0280	1	13"	6"	10.60
C653-0282	0	16"	8"	9.25
C653-0283	1	16"	8"	12.45
C653-0288	0	16"	8"	11.40
C653-0289	1	16"	8"	14.60
C653-0291	0	18"	8"	10.80
C653-0292	1	18"	8"	13.75
C653-0293	2	18"	8"	16.70

CHANCE FUSE LINKS



Single unit containers (10 links) packaged in a carton for convenience of shipping, storing and handling. Link type, amperage rating, voltage rating, catalog numbers and quantity appear on the carton for quick reference. Standard carton 10 links.

Slo-Fast Type

Solid Head Cat. No.	Amps	Carton	Solid Head Cat. No.	Amps.	Carton
M0.2SF	0.2	$10.30	M3.5SF	3.5	$10.30
M0.3SF	0.3	10.30	M4.2SF	4.2	10.30
M0.4SF	0.4	10.30	M5.2SF	5.2	10.30
M0.6SF	0.6	10.30	M6.3SF	6.3	10.30
M0.7SF	0.7	10.30	M7.0SF	7.0	10.30
M1.0SF	1.0	10.30	M7.8SF	7.8	10.30
M1.3SF	1.3	10.30	M10.4SF	10.4	10.30
M1.4SF	1.4	10.30	M14SF	14	10.30
M1.6SF	1.6	10.30	M21SF	21	10.30
M2.1SF	2.1	10.30	M32SF	32	10.30
M3.1SF	3.1	10.30	M46SF	46	10.30

Code Nos. for open-link use suffix SFPL.

Universal Fuse Links, Type T 26" Long



Solid Head Cat. No.	Amps.	Carton	Solid Head Cat. No.	Amps.	Carton
M1T26	1	$5.90	M10T26	10	$5.90
M2T26	2	5.90	M12T26	12	5.90
M3T26	3	5.90	M15T26	15	5.90
M6T26	6	5.90	M20T26	20	5.90
M8T26	8	5.90	M25T26	25	5.90

CHANCE CUTOUT ARRESTER COMBINATIONS



Combinations are available in two basic arrangements — "In-Line", and "Side-by-Side". All porcelain in blue-grey "Sky-Glaze" only.

Numbers Combination With External Gap Arrester	Numbers Combination With Direct Connected Arrester	Voltage Rating KV	Each
"IN-LINE"			
F2DCG9	F2DCSG9	15	$43.80
F2DCG10	F2DCSG10	15	43.80
F2DCG11	F2DCSG11	15	49.50
F2DCG12	F2DCSG12	15	49.50
"SIDE-BY-SIDE"			
F2DAG9	F2DASG9	15	$45.10
F2DAG11	F2DASG11	15	53.35
F2DAG12	F2DASG12	15	53.35

CHANCE

SPOOL INSULATORS



Cat. No.	Bolt Dia.	Height	Per 100 Eastern Zone	Per 100 Western Zone
		Dry Process		
255	11/16"	3"	$43.85	$48.00
0606*	9/16"	2-1/8"	21.45	23.70
		Wet Process		
C909-1031	9/16"	2-1/8"	17.00	19.00
C909-1032	11/16"	3"	27.00	29.00
C909-1033	11/16"	3-3/16"	30.00	33.00
C909-1035	11/16"	4-1/8"	76.00	83.00
C909-1034	11/16"	3"	48.00	56.00

*R.E.A. Item.

GUY-STRAIN INSULATORS

Wet Process



Cat. No.	ANSI Class	Tensile Strength, Lbs.	Cable Dia.	Per 100 Eastern Zone	Per 100 Western Zone
C909-1041	54-1	10,000	3/8"	$57.00	$60.00
C909-1042	54-2	12,000	1/2"	65.00	72.00
C909-1043	54-3	20,000	5/8"	85.00	94.00
C909-1044	54-4	20,000	5/8"	134.00	147.00

Radio Free — Sky Glaze.

LOW VOLTAGE PIN-TYPE INSULATORS



Cat. No.	ANSI Class	—Flashover Voltage KV— -Low Freq.- Dry	Wet	-Impulse- Pos.	Neg.	Per 100 East. Zone	West. Zone
C905-							
1001†	55-1	35	20	60	70	$56.	$62.
1002††	55-2	50	25	75	95	56.	62.
1303††	55-3	65	35	100	130	68.	76.
1304†	55-4	70	40	110	140	104.	115.
1305†	55-5	85	45	140	170	174.	195.

Cantilever Strength: †3000 lbs. ††2500 lbs.

HIGH VOLTAGE PIN-TYPE INSULATORS



Cat. No.	ANSI Class	—Flashover Voltage KV— -Low Freq.- Dry	Wet	-Impulse- Pos.	Neg.	Per 100 East. Zone	West. Zone
C906-							
1301††	56-1	95	60	150	190	$401.	$493.
1302†	56-2	110	70	175	225	490.	539.
1303†	56-3	125	80	200	265	615.	674.

Cantilever Strength: †3000 lbs. ††2500 lbs.

TIE-TOP POST INSULATORS



Cat. No.	ANSI Class	—Flashover Voltage KV— Low Freq. Dry	Low Freq. Wet	Impulse Pos.	Impulse Neg.	Per 100 Eastern Zone	Per 100 Western Zone
C903-							
1001†	57-1	80	60	130	155	$610.00	$643.50
1002†	57-2	100	85	180	205	858.45	907.20
1003†	57-3	125	100	210	260	1029.50	1086.80
1900†	15KV	70	40	110	130	370.00	391.90
1901††	22KV	80	50	130	155	395.80	417.65
1902††	27KV	95	70	155	200	485.45	512.30
1800†	15KV	70	40	110	130	401.20	418.20
1801†	22KV	80	50	130	155	440.50	456.40
1802††	27KV	95	70	155	200	518.00	534.90

Cantilever Strength: †2800 lbs. ††2000 lbs.
ANSI Standard Tie-Top — Type "F" Neck.

VERTICAL CLAMP-TOP POST INSULATORS



Cat. No.	ANSI Class	—Flashover Voltage KV— Low Freq. Dry	Low Freq. Wet	Impulse Pos.	Impulse Neg.	Per 100 East. Zone	Per 100 West. Zone
C903-							
I400	15KV	75	40	100	120	$717.10	$751.45
1401	25KV	80	60	130	155	757.95	797.45
1402	35KV	110	85	180	205	979.05	1030.00

Insulators without clamp — Sky Glaze.
Cantilever Strength: 2800 lbs.

HORIZONTAL CLAMP-TOP POST INSULATORS



Cat. No.	ANSI Class	—Flashover Voltage KV— Low Freq. Dry	Low Freq. Wet	Impulse Pos.	Impulse Neg.	Per 100 East. Zone	Per 100 West. Zone
C903-							
1500	15KV	75	50	100	120	$778.80	$821.45
1501	25KV	80	70	130	155	818.70	863.40
1502	35KV	110	100	180	205	1031.00	1088.20

Insulators without clamp — Sky Glaze.
Cantilever Strength: 2800 lbs.

GAIN BASE INSULATORS

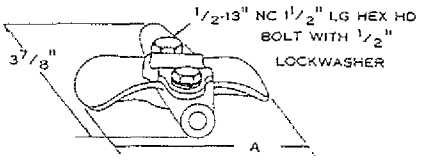


Cat. No.	ANSI Class	—Flashover Voltage KV— Low Freq. Dry	Low Freq. Wet	Impulse Pos.	Impulse Neg.	Per 100 East. Zone	Per 100 West. Zone
C903-							
1600	15KV	75	50	100	120	$1170.00	$1226.00
1601	25KV	80	70	130	155	1444.90	1520.80
1602	35KV	110	100	180	205	1468.20	1547.20

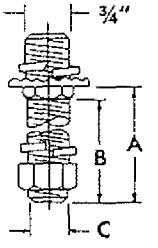
Detachable Gain Base — Without Clamp — Sky Glaze.
Cantilever Strength: 2800 lbs.

POST INSULATOR HARDWARE

Aluminum Clamps



Cat. No. W/Galv. Stl. Fasteners	Conductor Size, Inches Max.	Min.	Dim. "A" In.	Per 100 Eastern Zone	Per 100 Western Zone
C903-9509	.56	.25	5-1/4	$183.75	$192.25
C903-9510	1.06	.50	5-1/4	211.95	221.75
C903-9511	1.50	1.00	5-1/4	247.20	258.75
C903-9520	2.00	1.50	—	444.95	465.75



Short Studs - Galvanized Steel

Cat. No.	Dimensions, Inches "A"	"B"	"C"	Per 100 Eastern Zone	Per 100 Western Zone
C903-9507	1-3/4	1-7/16	5/8	$46.50	$48.75
C903-9508	1-3/4	1-7/16	3/4	52.30	54.70

Long Studs

Cat. No.	Dimensions, Inches "A"	"B"	"C"	Per 100 Eastern Zone	Per 100 Western Zone
C903-9514	7-9/16	6	5/8	$70.45	$73.85
C903-9515	10-1/16	6	5/8	84.95	89.30
C903-9516	12-1/16	6	5/8	87.85	92.45
C903-9517	7-9/16	6	3/4	76.20	79.45
C903-9518	10-1/16	6	3/4	101.55	106.95
C903-9519	12-1/16	6	3/4	104.35	109.90

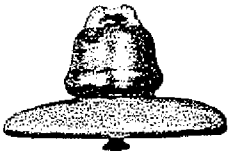
ALUMINUM-FITTED SUSPENSION INSULATORS



Cat. No.	ANSI Class	—Flashover Voltage KV— Low Freq. Dry	Low Freq. Wet	Impulse Pos.	Impulse Neg.	Per 100 East. Zone	Per 100 West. Zone
C907-							
1209	52-9	60	30	100	90	$290.	$300.
1704	6" dia.	80	50	125	130	354.	369.

Cantilever Strength: 10,000 lbs.

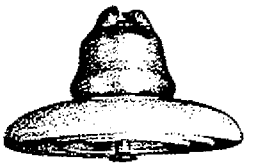
9-INCH SUSPENSION INSULATORS



Cat. No.	—Flashover Voltage KV— Low Freq. Dry	Low Freq. Wet	Impulse Pos.	Impulse Neg.	Per 100 East. Zone	Per 100 West. Zone
C907-						
1903*	80	50	125	130	$353.	$384.
1904†	80	50	125	130	363.	394.

Sky Glaze. *Ball Socket Type. †Clevis Tongue Type. M & E Strength: 15,000 lbs.

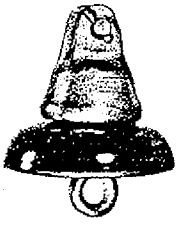
10-INCH SUSPENSION INSULATORS



Cat. No.	ANSI Class	—Flashover Voltage KV— Low Freq. Dry	Low Freq. Wet	Impulse Pos.	Impulse Neg.	Per 100 East. Zone	Per 100 West. Zone
C907-							
1004†	52-4	80	50	125	130	$402.	$434.
1003*	52-3	80	50	125	130	424.	424.

M & E Rating: 15,000 lbs.
*Ball-Socket, †Clevis-Tongue.

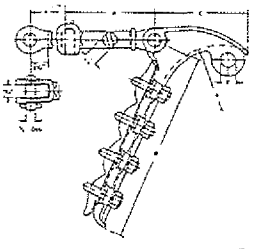
6" DEADEND SUSPENSION INSULATORS



Cat. No.	ANSI Class	—Flashover Voltage KV— Low Freq. Dry	Low Freq. Wet	Impulse Pos.	Impulse Neg.	Per 100 East. Zone	Per 100 West. Zone
C907-							
1001	52-1	25	10	45	40	$290.	$300.

M & E Rating: 10,000 lbs.

FERROUS STRAIN CLAMPS



Cat. No.	Connector	Cable Min.	Dia. Max.	Per 100 Eastern Zone	Per 100 Western Zone
C501-0654	Socket	.187	.55	$599.00	$622.00
C501-0670	Clevis	.187	.55	500.00	518.00

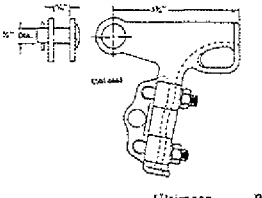
Ultimate Strength: 25,000 lbs.

ALUMINUM STRAIN CLAMPS

Cat. No.	Connector	Cable Min.	Dia. Max.	Per 100 East. Zone	Per 100 West. Zone
C501-0695	Socket*	.187	.57	$594.	$616.
C501-0707	Clevis*	.187	.57	498.	516.

Ultimate Strength: 10,000 lbs.

DISTRIBUTION STRAIN CLAMPS

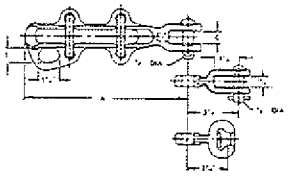


Cat. No. Clevis Connector*	Cable Min.	Dia. Max.	Ultimate Strength, Lbs.	Per 100 East. Zone	Per 100 West. Zone
C501-0666	.20	.50	9000	$287.	$289.
C501-0667	.20	.55	10000	328.	341.
C501-0668	.20	.68	12000	352.	366.
C501-0669	.30	.85	15000	466.	484.

Heat treated.
*Use of body and keeper liners reduces the minimum and maximum cable diameter by 0.06 inches.

CHANCE

FERROUS STRAIGHT LINE CLAMPS



Cat. No.	Connector	Cable Min.	Cable Max.	Per 100 East. Zone	Per 100 West. Zone
C501-0686	None	.30	.60	$260.	$270.
C501-0689	Socket	.30	.60	360.	374.
C501-0692	Clevis	.30	.60	360.	374.
C501-0687	None	.46	.86	273.	284.
C501-0690	Socket	.46	.86	373.	388.
C501-0693	Clevis	.46	.86	373.	388.
Add for liners				64.	67.

Specify suffix AL (Aluminum) or CL (Copper) for liners.

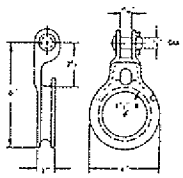
Ultimate Strength: 15,000 lbs.

ALUMINUM STRAIGHT LINE CLAMPS

Cat. No.	Connector	Cable Min.	Cable Max.	Per 100 East. Zone	Per 100 West. Zone
C501-0719	None	.30	.60	$263.	$273.
C501-0722	Socket	.30	.60	360.	373.
C501-0725	Clevis	.30	.60	360.	373.
C501-0720	None	.46	.86	277.	288.
C501-0723	Socket	.46	.86	374.	388.
C501-0726	Clevis	.46	.86	374.	388.

Ultimate Strength: 12,000 lbs.

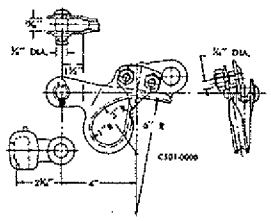
CLEVIS THIMBLE



Cat. No.	Connector	Cable Min.	Cable Max.	Per 100 East. Zone	Per 100 West. Zone
C501-0011	None	.20	.50	$162.	$169.

Ultimate Strength: 9,000 lbs.

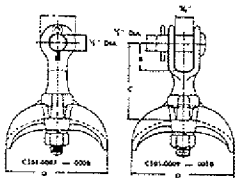
SNAIL SHELL STRAIN CLAMPS



Cat. No.	Connector	Cable Min.	Cable Max.	Ultimate Strength Lbs.	Per 100 East. Zone	Per 100 West. Zone
C501-						
0000	None	.160	.366	7000	$170.	$177.
1004	Socket	.160	.366	7000	251.	261.
0003	None	.187	.437	9000	216.	225.
1007	Socket	.187	.437	9000	297.	309.
0001*	None	.127	.377	9000	248.	258.
1005*	Socket	.127	.377	9000	329.	342.
0004†	None	.160	.550	10000	265.	276.
1008†	Socket	.160	.550	10000	346.	360.
0002	None	.156	.375	8000	175.	182.
1006	Socket	.156	.375	8000	256.	266.
DROP-FORGED STEEL SERIES						
C501-						
0005	None	.128	.375	8000	225.	234.
1009	Socket	.128	.375	8000	306.	318.
0006	None	.160	.500	11000	302.	314.
1010	Socket	.160	.500	11000	383.	398.
0779*	None	.160	.550	11000	341.	354.
1011*	Socket	.160	.550	10000	422.	438.

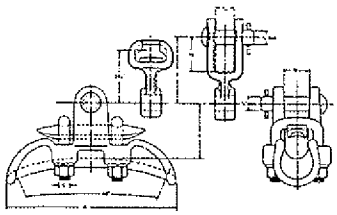
*This clamp supplied with aluminum liners.

SIDE-OPENING ANGLE SUSPENSION CLAMPS



Cat. No.	Cable Min.	Cable Max.	Ultimate Strength Lbs.	Per 100 Eastern Zone	Per 100 Western Zone
C501-0007	.12	.60	7000	$185.00	$192.00
C501-0008	.50	.90	14000	274.00	285.00
C501-0009	.12	.60	7000	179.00	186.00
C501-0010	.50	.90	14000	274.00	285.00

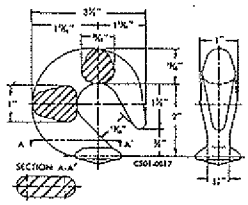
ALUMINUM SUSPENSION CLAMPS



Cat. No.	Connector	Cable Min.	Cable Max.	Ultimate Strength Lbs.	Per 100 East. Zone	Per 100 West. Zone
C501-						
0929	Socket	.40	.95	18000	$392.	$407.
0927	Clevis	.40	.95	18000	392.	407.
0928	None	.40	.95	18000	295.	306.
0932	Socket	.50	1.10	25000	448.	465.
0930	Clevis	.50	1.10	25000	448.	465.
0931	None	.50	1.10	25000	350.	356.
0935	Socket	.65	1.25	25000	504.	523.
0933	Clevis	.65	1.25	25000	504.	523.
0934	None	.65	1.25	25000	384.	398.
0938	Socket	.80	1.40	25000	543.	564.
0936	Clevis	.80	1.40	25000	543.	564.
0937	None	.80	1.40	25000	423.	439.

SUSPENSION FITTINGS

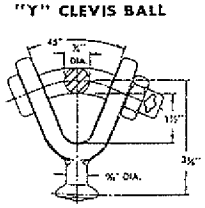
BALL HOOKS



Cat. No.	Ultimate Strength Lbs., Heat Treated	Per 100 Eastern Zone	Per 100 Western Zone
C501-0017	30000	$93.90	$97.40

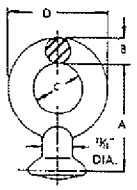
Locking type.

"Y" CLEVIS BALL



Cat. No.	Ultimate Strength Lbs., Heat Treated	Per 100 Eastern Zone	Per 100 Western Zone

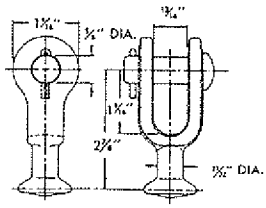
BALL EYE



Cat. No. C501-	Dimensions, Inches "A"	"B"	"C"	"D"	Per 100 East. Zone	Per 100 West. Zone
0022	2-9/32	9/16	1-1/16	2-3/16	$74.50	$77.30
0023	2-11/32	13/16	13/16	2-7/16	111.80	116.00

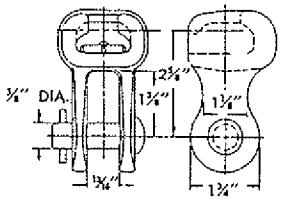
Ultimate Strength (Heat Treated): 30,000 lbs.

BALL CLEVIS



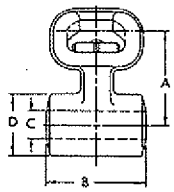
Cat. No.	Ultimate Strength Lbs., Heat Treated	Per 100 Eastern Zone	Per 100 Western Zone
C501-0066	30000	$124.20	$128.90

SOCKET CLEVIS



Cat. No.	Ultimate Strength Lbs., Heat Treated	Per 100 Eastern Zone	Per 100 Western Zone
C501-0060	30000	$181.60	$188.40

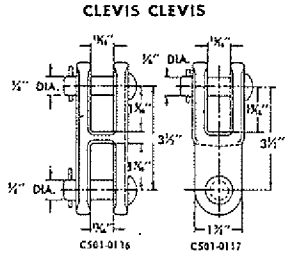
SOCKET EYE



Cat. No.	Dimensions, Inches "A"	"B"	"C"	"D"	Per 100 Eastern Zone	Per 100 Western Zone
C501-0061	2-5/8	3/4	13/16	1-5/8	$144.00	$149.00

Ultimate Strength (Heat Treated): 35000 lbs.

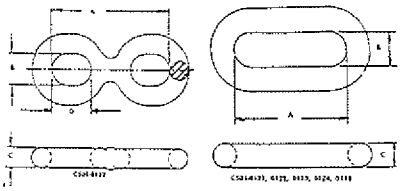
CLEVIS CLEVIS

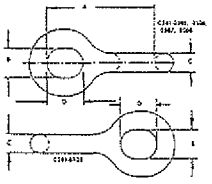


Cat. No.	Features	Per 100 Eastern Zone	Per 100 Western Zone
C501-0116	....	$322.70	$334.80

CHANCE

LINKS

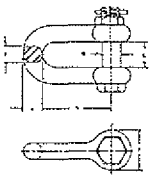




Cat. No.	Dimensions, Inches "A"	"B"	"C"	"D"	Per 100 East. Zone	West. Zone
C501-						
0131†	3-3/8	7/8	9/16	1-1/8	$80.80	$83.90
0132†	3-3/8	7/8	9/16	1-1/8	62.00	64.40
0121†	2-1/4	1	1/2	....	74.50	77.30
0122†	2-3/8	11/16	1/2	....	74.50	77.30
0123*	3-1/4	1	3/4	....	149.00	154.60

Ultimate Strength (Heat Treated): †30000. *40000.

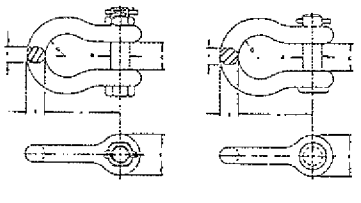
CHAIN SHACKLES



Cat. No.	Ultimate Strength, Lbs.	Per 100 Eastern Zone	Western Zone
C501-0028	25000	$86.90	$90.20
C501-0029	30000	117.90	122.40

Cat. No.	Dimensions, Inches "A"	"B"	"C"	"D"	"E"	"F"
C501-0028	1-31/32	1/2	3/4	5/8	1-3/8	1/2
C501-0029	1-31/32	1/2	3/4	5/8	1-3/8	1/2

ANCHOR SHACKLES



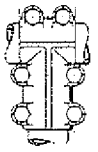
Dimensions, Inches

"A"	"B"	"C"	"D"	"E"	"F"	"G"
2-3/16	1/2	7/8	5/8	1-3/8	1/2	11/16

Cat. No.	Ultimate Strength, Lbs.	Per 100 Eastern Zone	Western Zone
C501-0030	25000	$88.70	$92.00
C501-0031	30000	119.70	124.20

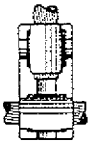
ROYAL
BRONZE POWER CONNECTORS

Over 32,000 connectors are available in designs and types to suit all conductor-connector-tap applications. Bolt heads are nested to permit one-wrench installation. 1/2" bolts are used on all conductors from 1/2" IPS and 500 MCM cable and larger.



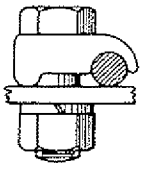
Type RP Tee Connector IPS

Tap	Run	Each
½"	½"	$15.00



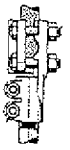
Type LCD Term. Lug Cable to Flat.

Cable Size	Each
#8—4/0	$8.60
#2—350MCM	10.50



Type DZ Ground Conn. Cable to Flat.

Cable Size	Each
#4—2/0	$2.70
#3/0—250MCM	4.20

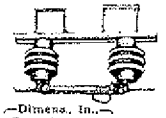


Type GER Stud Conn.

Pipe ½", Stud 1¼" Cable #4—300MCM Each $40.90

DELTA-STAR HOOK-OPERATED DISCONNECT OUTDOOR SWITCHES

TYPE EV SINGLE-POLE



Cat. No.	K.V.	Amps.	Dimens. In. Base to Term. pad	Mt.	Each
446152	14.4	600	9⅛	7	$46.80
446152-H	14.4	600	10⅛	8	48.80
446152-LI	14.4	600	9⅛	7	48.80
446152-H-LI	14.4	600	10⅛	8	50.80

Note: Catalog numbers include all mounting material for Single or double cross arm mounting. Terminal lugs or lug bolts are not included. Suffix H indicates the use of 110 KV BIL insulators. Suffix LI indicates that interrupter attachment hooks are to be furnished. Switches are not furnished less base, mounting hardware, or insulators. Momentary current rating 40,000 amps.

Prices shown are for connectors when supplied on switch orders only. For prices as supply items, refer to Graybar.

MOUNTING BOLTS

Two ½"—13x1½" stainless steel, hexagon head machine screws, nuts and lock washers for mounting a bar or terminal lug .....Each $0.80

Four ½"—13x1½" stainless steel, hexagon head machine screws, nuts and lock washers for mounting a bar or terminal lug on each switch terminal Each $1.50

NEMA STANDARD TERMINAL LUGS

Type FU for Stranded Conductors

Group Symbol	Cond. Range Str. Copper AWG or MCM	Group Symbol	Cond. Range Str. Alum. AWG or MCM	Each
1D & 2D	#6 to 2/0	1J & 2J	#6 to 2/0	$4.55
1E & 2E	#1 to 4/0	.....	.....	5.25
1F & 2F	#1/0 to 300	1K & 2K	#1/0 to 266.8	6.65
1G & 2G	300 to 500	1L & 2L	336.4 to 477	8.85
1H & 2H	500 to 800	1M & 2M	556.5 to 795	11.00

Type FL for Tubular Conductors

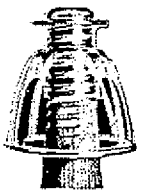
S.P.S. In.	Copper Symbol	Each	S.P.S. In.	Alum. Symbol	Each
⅜	1N & 2N	$4.25	.....	.....	.....
½	1P & 2P	5.65	¾	1U & 2U	$5.65
¾	1R & 2R	6.85	¾	1V & 2V	6.85
1	1S & 2S	8.15	1¼	1W & 2W	8.15
1¼	1T & 2T	10.90	1¼	1X & 2X	10.90

Note: Lugs for aluminum conductors are made of aluminum and supplied with stainless steel mounting bolts.

HIGH IMPACT L.V. PIN INSULATOR

For railroad, telephone, telegraph, and communication lines. Non-breakable, light weight.

Packed 36 insulators per carton.

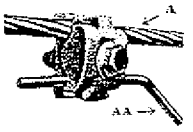


No. 106932 Pin Insulator . . . per ctn. $10.14

BURNDY ELECTRICAL CONNECTORS

YAPIT TYPE UCG-RS

For All Combinations of Copper, Aluminum, ACSR, AAAC and 5005 Within Diameter Range



These parallel groove clamps for overhead line and service connections are factory-filled with Penetrox A and Stripsealed.

High strength, high conductivity, non-copper bearing aluminum alloy of which Yapits are made eliminates stress corrosion.

Conductor Groove A Copper or Aluminum Min.	Max.	ACSR Min.	Max.	Groove AA Copper or Aluminum Min.	Max.	ACSR Min.	Max.
No. UCG25R2RS							
8 Sol.	1/0 str	8	1/0	8 Sol.	2 str	8	2
No. UCG25RS							
8 Sol.	1/0 str	6	1/0	8 Sol.	1/0 str	6	1/0

Price Per 100 (100 — 499)

UCG25R2RS $41.46 UCG25RS $47.91

CABELOK CRIMPIT® TYPES YP-U AND YPC-U



For copper, aluminum and ACSR—Range-taking design reduces number of sizes necessary for all conductor combinations. Movable spacer locks connector on conductor. Side entrance facilities hot-line installations. No tabs to bend. Penetrox filled.

Conductor Groove 'A' Copper or Alum.	ACSR	Color Code	Groove 'AA' Copper or Alum.	ACSR	Color Code	Cat. No.
2 sol. 2 str.	4-2	Brown	2 str. 2 sol.	4-2	Br'n	YP2U3
1/0-2/0 str.	2-1/0	Grey	4 str. 2 sol. 2 str.	4-2	Br'n	YP2GAU2†
1/0 str.	2-1/0	Black	1/0 str.	1/0	Blk.	YP25U26
1/0-3/0 str.	1/0-2/0	Maroon	4 sol. 4 str.	6-4	Wh.	YP27AU4
1/0-3/0 str.	1/0-2/0	Maroon	2 sol. 2 str.	4-2	Grey	YP27AU2
2/0-3/0 Str.	2/0	Maroon	1/0-2/0	1/0-2/0	Pink	YP27AU26
3/0-4/0 str.	3/0-4/0	Red	6 sol. 6 str. 4 sol. 4 str.	6-4	Wh.	YPG28U4*
4/0 str.	3/0-4/0	Red	4 str. 2 sol. 2 str.	4-2	Grey	YP28U2
4/0 str.	3/0-4/0	Red	1/0-2/0	1/0-2/0	Pink	YP28U26
3/0-4/0 str.	3/0-4/0	Red	2/0-4/0	2/0-4/0	Red	YPC28U28*

†Does not accommodate 2/0 Str. Cu. *Not reversible.

Per 100 (Less Carton)
YP26AU2 $38.90 All Others $62.49

COPPER CRIMPIT TYPE YC-C

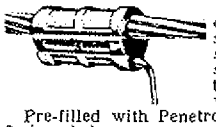


Range-taking compression tap connector made of pure copper. Designed to be gripped in the jaws or dies of installation tool, then slipped directly over line for easy installation.

Cat. No.	Run	Tap	Per 100
YC10C10	12 Sol.-10 Str.	12 Sol.-10 Str.	$5.35
YC8C8	8 Sol.- 8 Str.	10 Sol.- 8 Str.	22.14
YC4C8	6 Sol.- 4 Str.	8 Sol.- 8 Str.	37.43
YC4C6		6 Sol.- 6 Str.	37.43
YC4C4		4 Sol.- 4 Str.	37.43
YC2C4	2 Sol.- 2 Str.	8 Sol.- 4 Str.	56.07
YC2C2		2 Sol.- 2 Str.	56.07
YC26C2	1/0 Str.-2/0 Str.	2 Sol.- 2 Str.	123.13
YC26C26		1/0 Str.-2/0 Str.	123.13
YC28C2		4 Sol.- 2 Str.	163.99
YC28C26	3/0 Str.-4/0 Str.	1/0 Str.-2/0 Str.	163.99
YC28C28		3/0 Str.-4/0 Str.	163.99

BURNDY ELECTRICAL CONNECTORS

STREET LIGHTING TAP
CRIMPIT TYPE YPC-A



Compact compression connector designed to tap small lighting wires from secondaries. Figure "6"-shape separates run and tap, and minimizes galvanic corrosion.

Pre-filled with Penetrox joint compound and Stripsealed.

Cat. No.	Run: Compressed ACSR	Run: Alum. & Copper	Tap: Compressed Alum.	Tap: Alum. & Copper
YPC2A8U	6-4	6-2 Str.	4-2	14 Sol.-8 Str.
YPC26R8U	2-2/0	1-2/0 Str.	1/0-3/0	14 Sol.-8 Str.

Per 100 (Less Carton)
YPC2A8U $30.33 YPC26R8U $35.06

CRIMPIT COVER TYPE CC

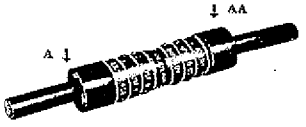


High density polyethylene cover accommodates most industry connectors in the O, D and N die range. Four sizes cover the full #6-600 mcm conductor range. One piece design, no extra hardware needed, simply slip over connector and snap shut.

Cat. No.	Maximum Connector Length	Connector Series Accommodated	Per 100
CCO	2½	O Die	$22.76
CCD	2¾	D Die	30.39
CCN	2⅛	Short N Die	45.65

INSULINK® TYPE ES

For Copper, Aluminum, ACSR, AAAC and 5005 In Any Combination Within Diameter Range #10 Str.—1/0 Str. Copper or Aluminum #6—#2 ACSR



Insulated aluminum sleeve eliminates all taping. End caps seal out moisture, hold cables for easy installation. Color coded and filled with Penetrox.

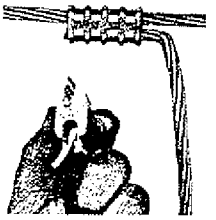
Conductor 'A' †ACSR	'A' ‡Alum.	'A' Copper	'A' Color Code	Conductor 'AA' †ACSR	'AA' ‡Alum.	'AA' Copper	'AA' Color Code	Cat. No.
								ES-
	10 str. 8 sol.	10 str. 8 sol.	Br		10 str. 8 sol.	10 str. 8 sol.	Br	8W8W
	8 str. 6 sol.	8 str. 6 sol.	Gr		10 str. 8 sol.	10 str. 8 sol.	Br	6W8W
					8 str. 6 sol.	8 str. 6 sol.	Gr	6W6W
					10 str. 8 sol.	10 str. 8 sol.	Br	4W8W
6(6-1)	5,6 str. 4 sol.	5,6 str. 4 sol.	Bl		8 str. 6 sol.	8 str. 6 sol.	Gr	4W6W
				6(6-2)	5,6 str. 4 sol.	6,6 str. 4 sol.	Bl	4W4W
					10 str. 8 sol.	10 str. 8 sol.	Br	2W8W
4(6-1)	3,4 str. 2 sol.	3,4 str. 2 sol.	Or		8 str. 6 sol.	8 str. 6 sol.	Gr	2W6W
6(7-1)				6(6-1)	5,6 str. 4 sol.	5,6 str. 4 sol.	Bl	2W4W
				4(6-1)	3,4 str. 2 sol.	3,4 str. 2 sol.	Or	2W2W
				4(7-1)				
					10 str. 8 sol.	10 str. 8 sol.	Br	2R8W
					8 str. 6 sol.	8 str. 6 sol.	Gr	2R6W
2(6-1)	1 str.	1 str.	Red	6(6-1)	5,6 str. 4 sol.	5,6 str. 4 sol.	Bl	2R4W
2(7-1)	2 str.	2 str.		4(6-1)	3,4 str. 2 sol.	3,4 str. 2 sol.	Or	2R2W
				4(7-1)	2 sol.	2 sol.		
				2(6-1)	1 str.	1 str.	Red	2R2R
				2(7-1)	2 str.	2 str.		
					8 str. 6 sol.	8 str. 6 sol.	Gr	25A-6W
				6(6-1)	5,6 str. 4 sol.	5,6 str. 4 sol.	Bl	25A-4W
	1/0 str.	1/0 str.	Yel	4(6-1)	3,4 str. 2 sol.	3,4 str. 2 sol.	Or	25A-2W
				4(7-1)	2 sol.	2 sol.		
				2(6-1)	2 str.	1 str.	Red	25A2R
				2(7-1)	1 str.	2 str.		
					1/0 str.	.....	Yel	25A-25A

Per 100 (Less Carton) $31.29

†Will accommodate compresto ACSR.
‡Will accommodate compresto aluminum.

SOMERSET UTILITY PRODUCTS

H TYPE COMPRESSION TAPS
With Fillerlok™



"H" type taps are used for service drop, secondary or primary tap and grounding installations on all combinations of aluminum to aluminum or aluminum to copper conductors. (Cat. No. UB214 is designed for making multiple street lighting connections.) They are also used as dead end clamps on aluminum, ACSR or aluminum alloy conductors.

Because of the extra deep groove and fillerlok design, each tap accepts a wide range of conductor sizes so that fewer taps are needed to cover a specific range. For example, the OB102 accommodates 75% of the wire combinations in today's service drop connections. The Fillerlok device, which is an integral part of the connection, acts as a metal filler and permanently locks itself in place upon compression. Properly installed these connectors exceed Class A requirements of EEI-NEMA Standard TDJ-162.

Cat. No.	A Groove: ACSR 5005 AAAC	A Groove: AA or CU Str.	A Groove: AA or CU Sol.	B Groove: ACSR 5005 AAAC	B Groove: AA or CU Str.	B Groove: AA or CU Sol.	Std. Pkg.	Per 100
UB214	3-6	2-6	1-5		8-14	8-14	2500	$25.40
OB44	4-6	3-6	2-6	4-6	3-6	2-6	2500	28.50
OB102	1/0-6	1/0-6	1/0-6	2-6	1-6	2-6	2500	28.50
OB101	1/0-3	2/0-2	3/0-1	2-6	1-6	1/0-6	2500	35.00
OB1010	1/0-4	2/0-4	1/0-2	1/0-4	2/0-4	1/0-2	2500	35.00
OB201	1/0-2	2/0-2	2/0-1/0	1/0-2	2/0-2	2/0-1/0	2500	35.00
DB202	2/0-1	3/0-1/0	2/0-1/0	2-6	1-6	1/0-4	2500	55.00
DB2020	2/0-1	3/0-1/0	2/0	2/0-1	3/0-1/0	2/0-1/0	2500	55.00
DB404	4/0-3/0	4/0-3/0	4/0	2-6	2-6	2-6	2500	55.00
DB4020	4/0-3/0	4/0-3/0	4/0	2/0-2	3/0-2	3/0-1/0	2500	55.00
DB4040	4/0-3/0	4/0-3/0	4/0	4/0-2/0	4/0-3/0	4/0-3/0	2500	55.00
NB39740	477*-4/0	500-4/0	500-4/0	4/0-6	4/0-6	300-6	2500	142.00
NB397	477*-4/0	500-4/0	300-4/0	477*-4/0	500-4/0	300-4/0	2500	170.00
NB60020	556-336	600-397	600-350	1/0-3	2/0-2	3/0-2	2500	140.00

*18 x 1 strand.

SHURE SPLICER

Shure Splicer Connectors meet or exceed Class A-2 requirements of EEI-NEMA Standard TDJ-162, when properly installed on aluminum to aluminum, or aluminum to copper connectors. A solid center barrier provides for quick and easy wire positioning, proper distribution of inhibitor around the wire, and current equalization on stranded conductors. Self-insulated Shure Splicer Connectors have an extruded nylon cover with a dielectric strength exceeding service drop cable insulation.



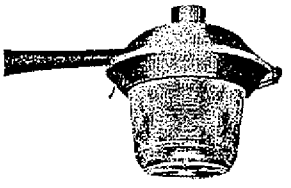
For Service Entrance Splicing

Self-Insulated Cat. No. ½" Size	Self-Insulated ⅝" Size	Conductor A AL or CU Color	Conductor A Sol.	Conductor A Str.	Conductor A ACSR	Conductor B AL or CU Color	Conductor B Sol.	Conductor B Str.	Conductor B ACSR	Uninsulated Cat. No. ½" Size	Uninsulated Cat. No. ⅝" Size
Q1N51		Brown	8	10		Brown	8	10		Q1U51	U1B11
Q1N52	U1N88	Green	6	8		Green	6	8		Q1U52	U1B88
Q1N53	U1N81	Green	6	8		Brown	8	10		Q1U53	U1B81
Q1N54	U1N66	Blue	4	5&6	6-6/1	Blue	4	5&6	6-6/1	Q1U54	U1B66
Q1N55	U1N68	Blue	4	5&6	6-6/1	Green	6	8		Q1U55	U1B68
Q1N56	U1N61	Blue	4	5&6	6-6/1	Brown	8	10		Q1U56	U1B61
Q1N80		Blue	4	5&6	6-6/1	Pink	12	12		Q1U80	
Q1N57	U1N44	Orange	2	3&4	4-6/1,7/1	Orange	2	3&4	4-6/1,7/1	Q1U57	U1B44
Q1N58	U1N46	Orange	2	3&4	4-6/1,7/1	Blue	4	5&6	6-6/1	Q1U58	U1B46
Q1N59	U1N48	Orange	2	3&4	4-6/1,7/1	Green	6	8		Q1U59	U1B48
Q1N60	U1N41	Orange	2	3&4		Brown	8	10		Q1U60	U1B41
Q1N61		Red	1	2		Red	1	2		Q1U61	
Q1N62		Red	1	2		Orange	2	3&4	4-6/1,7/1	Q1U62	
Q1N63		Red	1	2		Blue	4	5&6	6-6/1	Q1U63	
Q1N64		Red	1	2		Green	6	8		Q1U64	
Q1N65	U1N22	Red	1	1&2	2-6/1,7/1	Red	1	1&2	2-6/1,7/1	Q1U65	U1B22
Q1N67	U1N24	Red	1	1&2	2-6/1,7/1	Orange	2	3&4	4-6/1,7/1	Q1U67	U1B24
Q1N68	U1N26	Red	1	1&2	2-6/1,7/1	Blue	4	5&6	6-6/1	Q1U68	U1B26
Q1N69	U1N28	Red	1	1&2	2-6/1,7/1	Green	6	8		Q1U69	U1B28
Q1N70	U1N21	Red	1	1&2	2-6/1,7/1	Brown	8	10		Q1U70	U1B21
	U1N1010	Yellow		1/0	1/0-6/1	Yellow		1/0	1/0-6/1		U1B1010
		Yellow		1/0	1/0-6/1	Yellow		1/0	1/0-6/1		U1B1010L
	U1N102	Yellow		1/0	1/0-6/1	Red	1	1&2	2-6/1,7/1		U1B102
	U1N104	Yellow		1/0	1/0-6/1	Orange	2	3&4	4-6/1,7/1		U1B104
	U1N106	Yellow		1/0	1/0-6/1	Blue	4	5&6	6-6/1		U1B106
	U1N108	Yellow		1/0	1/0-6/1	Green	6	8			U1B108

	Ctn.	Std. Pkg.	Wt. Per 100	Per 100
All Q1N Series (Self-Insulated)	100	1000	4	$25.40
All U1N Series (Self-Insulated)	100	1000	7	26.90
All Q1U Series (Uninsulated)	100	1000	3	17.20
All U1B Series (Uninsulated)	100	1000	6	18.70

HOLOPHANE OUTDOOR LIGHTING UNITS

NO. 200 SERIES LUMINAIRES



Totally enclosed outdoor luminaire featuring balanced light for roadway, sidewalk and lawns. Rugged, top or side mounting, vertical lamp position, six light distributions from same refractor.

Cat. No.	M.V. Watts	Mtg.†	Distribution††	Each
201**	100-175-250	T	LN	$46.70
201-A-CWA-120*	250	T	LN	77.60
201-B-CWA-120*	175	T	LN	69.15
204**	100-175-250	T	AS	46.70
204-A-CWA-120*	250	T	AS	77.60
204-B-CWA-120*	175	T	AS	69.15
211**	100-175-250	S	LN	46.70
211-A-CWA-120*	250	S	LN	77.60
211-B-CWA-120*	175	S	LN	69.15
214**	100-175-250	S	AS	46.70
214-A-CWA-120*	250	S	AS	77.60
214-B-CWA-120*	175	S	AS	69.15

*Available for 120, 208, 240, 277 and 480 volts.
**Without ballast.
†Mounting: T-top; S-side.
††Distribution: LN-long, narrow; AS-asymmetric.

UNDERGROUND DISTRIBUTION FOR RESIDENTIAL AND COMMERCIAL-INDUSTRIAL TYPE URD MOLE AND URD TAP KITS

For Aluminum or Copper



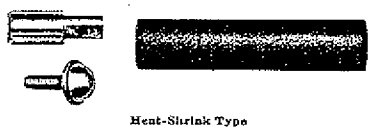
An economical, insulated, submersible service junction suitable for direct burial or for use in enclosures. Disconnectable joints allow additions of new services without disturbing previous installations. Taping is eliminated, heat-shrink or force-fit rubber sleeves insulate each joint.

RDM-28T Mole is available with 5 or 7 outlets. The single hole outlets accommodate the tap kits as RDM-28. The larger two-hole outlet accommodates the 500 or 350MCM copper cable secondary supplied with many sub-surface transformers.

Cat. No.	No. Outlets	Carton	Shpg. Wt. 100 Lbs.	Per 100
	Residential			
RDM4-28	4	3	100	$5.92
RDM6-28	6	3	150	6.84
RDM5-28T	5	3	155	7.88
RDM7-28T	7	3	175	8.68
RDM8-28	8	3	200	8.68
	Commercial—Industrial			
RDM6-34	6	9	500	20.01
RDM8-34	8	9	650	24.38

URD MOLE TAP KITS

For Aluminum or Copper
Use with Type RDM-28 URD MOLE



Heat-Shrink Type



Force-Fit Type

Contains HYLUG, mounting hardware and heat-shrink sleeve. The HYLUG is pre-filled with PENETROX joint compound and sealed. Sizes range from 4 str. to 350 mcm. Installed with HST-1 torch, standard propane torch, or 500°F electric heat gun. Acetylene heat is too intense and is not recommended. Heat-shrink sleeve is lined with a mastic material, providing a positive seal.

Force fit sleeve type kit includes the same features as the heat-shrink type except that it has pre-lubricated force-fit EPT rubber sleeve. The rubber sleeve has internal sealing rings that provide a positive moisture seal by exerting circumferential force on cable and MOLE insulation.

Cat. No. Heat Shrink	Cat. No. Force Fit	Conductor Copper Sol.	Copper Str.	Aluminum Sol.	Aluminum Str.	Per 100
RYA4UC	RYA4UCR	2	4	2	4 4 str.†	$1.50
RYA2UC	RYA2UCR	1/0	2	1/0	2 2-1 str.†	1.50
RYA2WAC	RYA2WACR	.....			2 EC-0	1.50
RYA75AC	RYA75ACR	.....			1/0 EC-0	1.50
RYA25UC	RYA25UCR	.....	1/0	2/0	1/0 1/0 str.†	1.50
RYA26UC	RYA26UCR	.....	2/0	.....	2/0 2/0 str.†	1.96
RYA27UC	RYA27UCR	.....	3/0	.....	3/0 3/0 str.† 4/0 sol. EC-0*	1.96
RYA28UC	RYA28UCR	.....	4/0	.....	4/0 4/0 str. 250†	1.96
RYA29UC	RYA29UCR	250			250 250†	2.07
RYA31AC	RYA31ACR	.....			300-350 300-350†	2.07
RYA31C-2	RYA31CR-2	350			.....	4.60
RYA34C-2	RYA34CR-2	500			.....	3.28

*Do not use EEI die to install 4/0 sol.
†Comp.

URD MOLE TAP KITS

For Aluminum or Copper
Use with Type RDM-34 URD MOLE

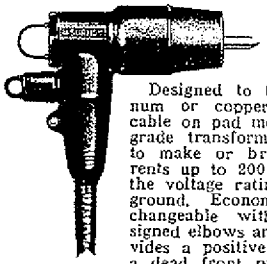


Contains universal HYLUG, two bolts with integral washers and heat-shrink sleeve. HYLUG is pre-filled with PENETROX joint compound and sealed. The heat-shrink sleeve is lined with a mastic material, providing a positive seal. Install with a HST-2 flameless propane torch, standard propane torch, or 500°F electric heat gun. Acetylene heat is too intense and is not recommended.

Cat. No.	Conductor Copper Sol.	Copper Str.	Aluminum Sol.	Aluminum Str.	Per 100
RYA29UC-2	.....	4/0-250	.....	4/0-250 Comp.	$5.69
RYA31UC-2	300-500mcm		300-350mcm	350 Comp.	5.69
RYA34UC-2	500mcm		500mcm	500 Comp.	6.27
RYA39AC-2	.....		700-750	750 Comp.	6.27

SAFETY PLUG TERMINATOR

For Aluminum or Copper



Designed to terminate aluminum or copper URD primary cable on pad mounted or below grade transformers. It is used to make or break load currents up to 200 amperes within the voltage rating of 813 kv to ground. Economical and interchangeable with similarly designed elbows and bushings. Provides a positive water seal and a dead front primary compartment. Available with optional voltage test point for use with existing indicating devices. The terminator is operated with a standard shotgun stick. An accessory Parking Bushing is available to hold the disconnected energized terminator.

Cat. No.	Conductor Copper Sol.	Copper Str.	Aluminum Sol.	Aluminum Str.	Each
	Without Test Points				
LBT4K	2	4	2	4	$27.10
LBT2K	....	1-2	....	1-2	27.10
LBT25K	....	1/0	....	1/0	27.10
LBT26AK	....	.....	....	2/0	27.10
	With Test Points				
LBT4TPK	2	4	2	4	28.42
LBT2TPK	....	1-2	....	1-2	28.42
LBT25TPK	....	1/0	....	1/0	28.42
LBT26ATPK	....	.....	....	2/0	28.42

ACCESSORIES

Cat. No.	Description	Each
LBTS2P3	Elbow Probe Contact	$8.06
LBC82-4C	Elbow Connector	2.86
LBC82-2C	Elbow Connector	2.86
LBC82-25	Elbow Connector	2.86
LBPC82-1	Insulating Cap	13.19
LBM-82	Mounting Bracket	.80

SAFETY PLUG BUSHINGS

For Oil Filled Equipment



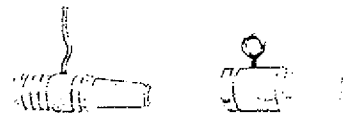
For cover mounting on oil filled submersible type transformers. External glaze on porcelain is conductive for complete shielding.

Side wall mounting type are available for external or internal clamping and interchangeable with similarly designed bushings used with Safety Plug Terminators.

Weld types have a stainless steel flange for welding to tank covers.

Cat. No.	Description	Each
LBB82S	Side Wall Mounted Bushing	$27.40
LBB82C	Long Cover Mounted Bushing	31.57
LBB82CW	Long Welded Cover Mounted Bushing	43.22
LBB82CS	Short Cover Mounted Bushing	29.30
LBB82CSW	Short Welded Cover Mounted Bushing	40.21
LBB821H	Internal Mounting Hardware	1.47
LBB82EH	External Mounting Hardware	1.47

ACCESSORIES



The Parking Bushing is used to hold an energized cable after it has been disconnected.

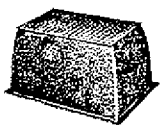
Test and Grounding Bushing provides a means to test disconnected cable and to attach a visible ground.

Bushing contact is a replacement for the cover and side wall mounted bushings as well as the test and grounding bushing. Wear of this element is generally indicated by heavy scoring on the arc follower of the male contact.

Arc snuffer is replaced when the female contact is replaced.

Cat. No.	Description	Each
LBPB82	Parking Bushing	$13.19
LBTB82	Test and Grounding Bushing	19.05
LBB82P6	Bushing Contact	9.67
LBB82P9	Arc Snuffer	2.64
LBB82P11	Bushing Tool	3.50

BELOW GRADE SERVICE ENCLOSURES TYPE URD-20



Rectangular shaped, rigid, lightweight enclosure molded of high density polyethylene and supplied with a diamond plate steel cover. Can withstand abuse of backfill operations, and after installation, can withstand a 3,000 lb. vertically applied load. Flange around base prevents overturning or uplifting from frost.

Cat. No.	Description	Each
URD20	Enclosure	$29.21
URD20G1	URD20 with Bending Bar	30.36
URD20G2	URD20 with Lock	30.48
URD20G3	URD20 with Lock & Bar	31.68

BELOW GRADE SERVICE ENCLOSURES TYPE URD-4

Consists of an enclosure, bell jar and a cast iron cover. Corrosion and water resistant, it can be installed at or below grade level. Withstands a 7,500 lb. weight on the cover and an axial crushing force of 30,000 lbs.

The polyethylene bell jar creates an air pocket in the event of flooding.

Cat. No.	Description	Each
URD-4	Cast Cap, Enclosure, Poly. Dome	$28.75
URD-4G1	Cast Cap and Enclosure	23.92
J1592	Y-Lock for URD-4	.65

POWER DOME AND RING ASSEMBLY TYPES DDP-B AND DDP-K

For Service Junction in Underground Residential and Commercial Distribution



Consists of a rugged, corrosion-resistant aluminum-alloy dome and a cast-in or bolt-on type mounting ring.

Cat. No.	Type	Inside Dia. In.	Height In.	Each
DDP11B	Bolt-On	11	15½	$28.92
DDP11K	Cast-In	11	15¼	28.92

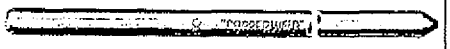
PRIMARY FUSED ELBOWS

Cat. No.	Conductor Copper Sol.	Copper Str.	Aluminum Sol.	Aluminum Str.	Each
	With Test Points				
SPF-4TPK	2	4	2	4	$51.28
SPF-2TPK	....	1-2	....	1-2	51.28
SPF-25TPK	....	1/0	....	1/0	51.28
SPF-26ATPK	....	.....	....	2/0	51.28

REPLACEMENT FUSES

Cat. No.	Amps.	Each
PF8-5	5	$25.64
PF8-8	8	29.30
PF8-12	12	33.70
PF8-20	20	38.09

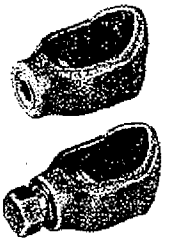
COPPERWELD® GROUND RODS



The only ground rods with a thick copper covering inseparably Molten-Welded to a strong steel core, they provide stiffness for easy driving and rust resistance for long life. Copper-to-copper contacts throughout assure low resistance.

Cat. No.	Diam. In.	Length Feet	Per 100
9415	⅜	5	$ 113.30
9416	⅜	6	137.40
9388	⅜	8	186.00
9425	½	5	240.20
9426	½	6	283.00
9428	½	8	368.30
9430	½	10	454.10
9435	⅝	5	336.30
9436	⅝	6	397.60
9438	⅝	8	521.10
9440	⅝	10	644.70
9442	⅝	12	805.20
9444	⅝	15	996.70
9446	¾	6	635.80
9448	¾	8	837.30
9450	¾	10	1034.30
9452	¾	12	1302.80
9455	¾	15	1630.90
9470	1	10	1926.50
9479	1	20	3445.50

COPPERWELD® GROUND ROD CLAMPS



Copperweld Type AB Ground Rod Clamps are strong, non-rusting, low-cost clamps that provide a high-pressure contact between the rod and the grounding wire. The rugged, one-piece cast bronze clamp body will withstand unusual abuse. They can be easily disconnected to measure the resistance of the ground.

The non-ferrous set screws are cupped so that when tightened, the clamp cannot slip on the rod.

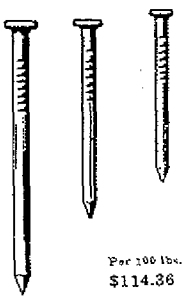
Clamps are supplied with either hexagonal-head or tamper-proof safety set screws. Special wrenches are supplied free of charge with each shipment of safety set screw clamps.

Catalog No. Safety Set Screw	Catalog No. Hex-Head Set Screw	Rod Diam. In.	Wire Size	Per 100
*6528	6538	⅜	6 to 14 A.W.G. Solid	$ 41.50
*6529	6539	½	2 to 10 A.W.G. Solid	59.30
*6530	6540	¾	1/0 to 8 A.W.G. Solid	69.30
*6531	6541	¾	1/0 to 8 A.W.G. Solid	84.60
*6532	6542	1	1/0 to 8 A.W.G. Solid	125.00
*6533	6543	Special ¾	4/0 Strand to 4 A.W.G. Solid	91.00
*6534	6544	Special 1	4/0 Strand	125.00

*Five wrenches furnished with each lot of 100 clamps. One wrench each lot 30 clamps or less.

COPPERWELD® NAILS

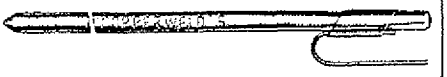
Used for attaching strain plates, or for locking pins and detachable pole steps, mounting conduit or cable guard straps and many other attachments where permanent safety from corrosion is necessary.



Per 100 lbs. $114.36

No.	Size	Length Inches	Shipping Wt., Lbs. Per 100
8252	2d	1	.1
8254	4d	1½	.3
8270	20d	4	3.3
8280	30d	4½	4.8
8290	40d	5	6.3
8300	50d	5½	7.5

COPPERWELD® PIGTAIL GROUND RODS



The Copperweld Ground Rod with an annealed Copperweld pigtail was developed for use where pigtail connections are preferred for subscriber station grounds. These rods are regularly furnished in 5- and 6-foot lengths with 18-inch pigtails. Also available with 36" pigtails.

Copperweld Pigtail-Type Ground Rods With Annealed Copperweld Pigtails

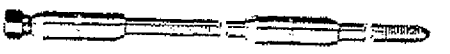
Cat. No. With 18" Pigtails	Nominal Rod Size	Pigtail Wire Size	No. of Rods Per Std. Pkg.	Per 100
7775	⅜" x 5'	.104"	60	$159.30
7776	⅜" x 6'	.104"	50	183.20
7795	½" x 5'	.128"	10	292.70
7796	½" x 6'	.128"	10	335.30
7798	½" x 8'	.128"	10	420.90

COPPERWELD® POLE GROUNDER



Consists of a 3' Copperweld rod to which is attached a 10' pigtail of No. 6 AWG annealed Copperweld wire.
Cat. No. 32500 Per 100 $201.40

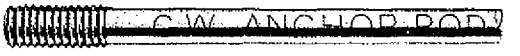
COPPERWELD® SECTIONAL GROUND RODS



Designed to meet the requirements for deep, dependable, low-resistance grounds. May be driven to satisfactory depths by hand, air hammer, or gasoline hammer. Rod sections are joined by heavy, tapped, bronze couplings. Steel driving studs protect the threading.

Cat. No.	Size	Description	Per 100
9533	½"	Bronze Coupling	$ 63.50
9534	⅝"	Bronze Coupling	92.10
9535	¾"	Bronze Coupling	166.00
9536	1"	Bronze Coupling	337.10
29533	½"	Driving Stud	53.45
29534	⅝"	Driving Stud	54.30
29535	¾"	Driving Stud	57.45
29536	1"	Driving Stud	90.15
29428	½" x 8'	Sectional Rod	368.30
29430	½" x 10'	Sectional Rod	454.10
29436	⅝" x 6'	Sectional Rod	397.60
29438	⅝" x 8'	Sectional Rod	521.10
29440	⅝" x 10'	Sectional Rod	644.70
29446	¾" x 6'	Sectional Rod	.....
29448	¾" x 8'	Sectional Rod	837.30
29450	¾" x 10'	Sectional Rod	1034.30
29470	1" x 10'	Sectional Rod	1926.50

COPPERWELD® ANCHOR RODS



The strong holding power of these non-rusting anchor rods is always the same . . . protecting your overhead lines year in and year out. The threaded ends are heavily coated with pure tin to permit the use of ferrous or non-ferrous fittings. Copperweld Anchor Rods are available in the three sizes shown below:

Nominal Diameter Inch	Rated Breaking Strength Lbs.	ASA Thread Size
⅝	18,500	⅝—11
¾	26,500	¾—10
1	45,000	1— 8

Ordering Information

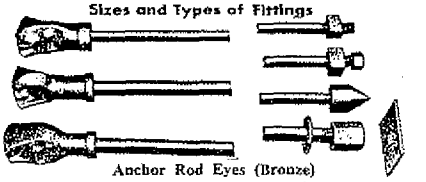
When ordering Copperweld Anchor Rods, specify the catalog number listed below for the desired diameter and length. The ⅝-inch and ¾-inch rods are packed in bundles of five each; 1-inch rods, three to a bundle. Plastic caps are used to cover the threaded ends of the rods and protect them from damage in shipment.

Fittings are packed and shipped separately, and should be ordered to suit the requirements of the particular type of anchor used. Catalog numbers are listed below for the non-ferrous fittings that are available.

Copperweld Anchor Rods

Cat. No.	Size	Per 100	Cat. No.	Size	Per 100
25516	⅝" x 6 ft.	$ 497.00	25529	¾" x 9 ft.	$1174.70
25517	⅝" x 7 ft.	574.90	25532	¾" x 12 ft.	1628.70
25518	⅝" x 8 ft.	651.40			
25522	⅝" x 12 ft.	1006.60			
25526	¾" x 6 ft.	794.40			
25527	¾" x 7 ft.	922.40			
25528	¾" x 8 ft.	1046.00			

Sizes and Types of Fittings



Anchor Rod Eyes (Bronze)

Cat. No.	Size
27510	⅝" single eye
27560	⅝" double eye
27511	¾" single eye
27561	¾" double eye
—	¾" triple eye
27512	1" single eye
27562	1" double eye
27590	1" triple eye

Square Nuts (Bronze)

Cat. No.	Per 100	Size
25571	$ 72.30	⅝"
25572	86.00	¾"

Cap Nuts (Bronze)

Cat. No.	Per 100	Size
25561	$ 77.80	⅝"
25562	88.90	¾"

Drive Points (Bronze)

25596	*	⅝"
25597	407.10	¾"

Closed End Nuts (Bronze)

25551	162.80	⅝"
25552	203.30	¾"

Round Washers (Bronze)

25580	19.90	⅝"
25581	53.70	¾"

Square Washers (Bronze)

25590	129.60	⅝"
25591	240.50	¾"

COPPERWELD® AND ALUMOWELD® STAPLES



Larger sizes of Copperweld and Alumoweld Staples are used for attaching ground wire moulding to the pole and the smaller sizes for insulated or bare ground wires.

Use Nos. 7521 and 7522 for standard 1-inch moulding attachments.

Copperweld Rolled Point Staples

No.	Length In.	Width Inside In.	Thickness In.	Per 100 pcs.
7493	1¼	¼	.114	$ 4.40
7494	1½	5/16	.144	5.60
7495	1¾	⅜	.144	6.00
7496	2	½	.162	7.80
7497	3	¼	¼	22.40
7498	3	1½	¼	21.80
7499	3¾	1¾	5/16	39.20
7521	2	1 1/16	5/16	9.00
7522	3	1	¼	20.40
7522½	3	1 1/16	¼	20.40
7523	3½	1½	¼	27.40

No.	Length In.	Width Inside In.	Thickness In.	Per 100 Lbs.
Copperweld Cut Point Staples				
7650	2	½	.162	$222.80
7651	1⅜	½	.162	222.80
7652	1½	⅜	.162	222.80
7653	2	¼	.162	222.80
7654	1½	5/16	.114	222.80
Alumoweld Cut Point Staples				
CPA 1436	1½	⅜	.162	.....
CPA 2026	2	¼	.162	.....
CPA 2046	2	½	.162	.....

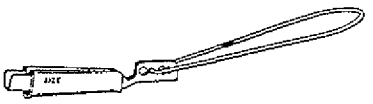
Price on Application

RELIABLE

SERVICE WEDGE CLAMPS

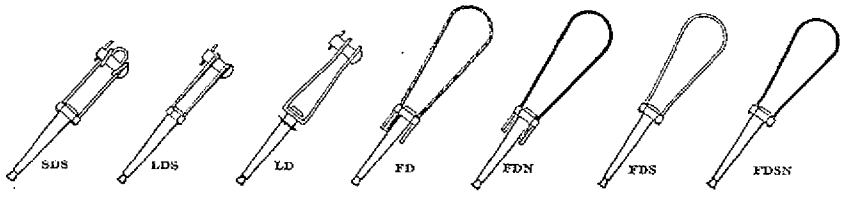
Support and hold the bare neutral of Triplex type service drops. Each size will test to the values listed under "Typical strength column" in the charts. These clamps are available in several sizes to handle the most widely used sizes of service conductors.

For Bare Neutral Service Drops Stainless Bail



ACSR	Neutral Aluminum Str.	Neutral Aluminum Sol.	Range	Cat. No. Bail Length Centerline 6½"	Cat. No. Bail Length Centerline 11"	Shell Material	Typical Strength of Clamp Lbs.	Per 100
4—6	3—6	2—6	.260-.160	7080		Aluminum	1750	$49.40
4—6	3—6	2—6	.260-.160		7081	Aluminum	1750	54.55
2—6	2—4	1—4	.326-.200	7090		Aluminum	1750	54.55
2—6	2—4	1—4	.326-.200		7091	Aluminum	1750	58.45
2—6	1—6	1/0—6	.160-.330	7195		Aluminum	1500	43.40
2—6	1—6	1/0—6	.160-.330		7196	Aluminum	1500	48.60
2—6	1—6	1/0—6	.160-.330	7195-I		Aluminum	1500	47.30
2—6	1—4	1/0—3	.160-.330		7196-I	Aluminum	1500	52.45
1/0—2	1/0—2	2/0—1	.330-.398	7187		Aluminum	1800	57.15
1/0—2	1/0—2	2/0—1	.330-.398		7188	Aluminum	1800	62.35
1/0—2	1/0—2	2/0—1	.330-.398	7187-I		Aluminum	1800	61.05
1/0	2/0—1	.....	.330-.398		7188-I	Aluminum	1800	66.30
1/0—4	1/0—3	2	.400-.250	7082		Aluminum	2500	77.95
1/0—4	1/0—3	2	.400-.250		7083	Aluminum	2500	84.45
2/0—4/0	4/0	.....	.447-.563	7197		Aluminum	1800	89.70
2/0—4/0	4/0	.....	.447-.563		7198	Aluminum	1800	94.90
2/0—4/0	4/0	.....	.447-.563	7197-I		Aluminum	1800	93.60
2/0—4/0	4/0	.....	.447-.563		7198-I	Aluminum	1800	98.75
2/0—4/0	4/0—2/0	.....	.570-.400	7093		Aluminum	2500	103.95
2/0—4/0	4/0—2/0	.....	.570-.400		7094	Aluminum	2500	110.45

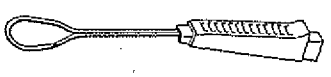
RELIABLE "7650" FEED-THRU DEADENDS



Cat. No.	Wire Size ACSR	Wire Size All Alum.	Per 100
7651SDS	4-6/1	4-7 Str.	$207.30
7651LDS	4-7/1		296.70
7651LD			266.55
7651FD			264.70
7651FDN			306.55
7651FDS			196.70
7651FDSN			252.15
7652SDS	2-6/1	2-7 Str.	285.40
7652LDS	2-7/1	1-7 Str.	338.55
7652LD			307.80
7652FD			343.45
7652FDN			379.20
7652FDS			265.70
7652FDSN			332.40
7653SDS			369.35
7653LDS	1/0-6/1	1/0-7 Str.	474.00
7653LD	2/0-6/1		412.45
7653FD			488.65
7653FDN			524.45
7653FDS			350.90
7653FDSN			418.60
7654SDS			421.25
7654LDS	2/0-6/1	2/0-7 Str.	532.40
7654FD	3/0-6/1		544.55
7654FDN			581.40
7654FDS			413.15
7654FDSN			456.65

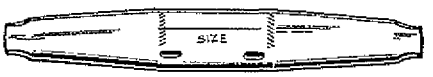
Cat. No.	Wire Size ACSR	Wire Size All Alum.	Per 100
7655SDS			$479.55
7655LDS	3/0-6/1	3/0-7 Str.	559.50
7655FD	4/0-6/1		571.50
7655FDN			608.55
7655FDS			479.65
7655FDSN			522.90
7656SDS			518.35
7656LDS	4/0-6/1	4/0-7 Str.	579.05
7656FD			609.25
7656FDN			658.50
7656FDS			498.95
7656FDSN			548.20
7657SDS	266.8-18/1	266.8- 7 Str.	609.40
7657LDS		266.8-19 Str.	646.50
7657FD		266.8-37 Str.	690.25
7657FDN			726.70
7657FDS			592.00
7657FDSN			658.95
7658SDS	336.4-18/1	336.4-37 Str.	714.05
7658LDS		336.4-19 Str.	727.20
7658FD		397.5-19 Str.	795.10
7658FDN		397.5-37 Str.	837.55
7658FDS			689.95
7658FDSN			733.20

DROP WIRE CLAMPS



Cat. No.	Description	Per 100
PRS-6	Stainless wedge, bail and shell, polyethylene shim	$16.17
PR-6	Stainless wedge, bail and shell, no shim	15.02

STANDARD SERIES TENSION SPLICES



For Copper Conductors

Cat. No.	Wire Size (AWG) Solid	Wire Size (AWG) 7 or 19 Strand	Per 100
81	8		$ 89.15
61	6	8	89.15
41	4	6	120.15
47	3	4	135.20
21	2 or 3	3	149.60
27	1	2	182.35
101	1/0	1	219.15
107	2/0	1/0	245.10
207	3/0	2/0	283.60
307	4/0	3/0	383.40
407		4/0	431.30
250		250MCM(19) (4/0-12 Str.)	477.45

RELIABLE STRANDVISE FEED-THRU DEADENDS



All-Grades Strandvise is for the grades, name brands and coatings listed below including 7-wire and solid but not including 3-wire strand and not including Alumoweld (see Universal Strandvise). All grades including Extra High Strength.

Bethalume — Stainless Steel — Aluminized — Corrosion Resistant (CR) — Galvanized

Solid Stainless Steel Bails

Short Bail Cat. No.	Long Bail Insulator Types 502, 504 Cat. No.	Strand Size Inches	Wt. Lbs. Per 100	Per 100
5099T	.....	1/8	24	$ 91.95
.....	5149T	3/16	30	102.90
5100T	.....	1/4	45	133.15
.....	5150	1/4	58	151.00
5101T	.....	5/16	74	156.55
.....	5151T	5/16	100	171.60
5102T	.....	3/8	106	192.20
.....	5152T	3/8	116	208.65
Extra Long Bail	-6 Bail Insulator Type 506			
5100-L	.....	1/4	65	154.45
5101-L	.....	5/16	115	177.75
.....	5151-6	5/16	100	171.60
5102-L	.....	3/8	142	226.50
.....	5152-6	3/8	131	208.65

All-Purpose Flexible Bails

Cat. No. 3"	Cat. No. 13"	Cat. No. 24"	Strand Size Inches	Wt. Lbs. Per 100	Per 100
5170	.....	.....	1/4	62	$185.35
.....	5174	.....	1/4	66	205.95
5171	.....	.....	5/16	87	219.65
.....	5175	.....	5/16	104	240.20
.....	.....	5179	5/16	128	267.75
5172	.....	.....	3/8	127	256.75
.....	5176	.....	3/8	168	291.00
.....	.....	5180	3/8	188	329.00

RELIABLE

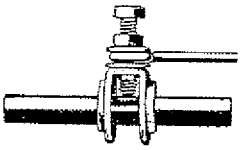
GALVANIZED STEEL CLAMPS

For Steel Rods

Consists of two galvanized malleable iron castings, bolted together in a cantilever arrangement.

Cat. No.	Rod Size Max.	Rod Size Min.	Wire Size Max.	Wire Size Min.	Per 100
3458R	¾"	⅝"	4	6	$245.89

GALVANIZED STEEL KLING KLAMPS



For Steel Rods and Pipes

Cat. No.	Pipe Size Max.	Pipe Size Min.	Wire AWG Max.	Wire AWG Min.	Per 100
K48	½"	⅜"	2	14	$38.10
K58	⅝"	½"	2	14	45.23

All-Grades Strandlink is for the grades, name brands and coatings listed below including 7-wire and solid but not including 3-wire strand and not including Alumoweld (see Universal Strandlink).

Galvanized — Bethalume — Aluminized — Corrosion Resistant (CR)—Stainless Steel

Cat. No.	Size In.	Wt. Lbs. Per 100	Per 100
4999T	7/32	17	$ 94.45
5000	¼	33	127.45
5000NT	¼	38	206.20
5001T	9/32	62	143.15
5002T	5/16	88	186.15
5043	3/8	160	279.20
5004	½	144	322.15

All Grades Reducer Type Strandlink

Cat. No.	End A	End B	Wt. Lbs. Per 100	Per 100
5021	7/32	¼	52	$164.65
5022	5/16	7/32	82	190.45
5023	7/32	5/16	113	239.15

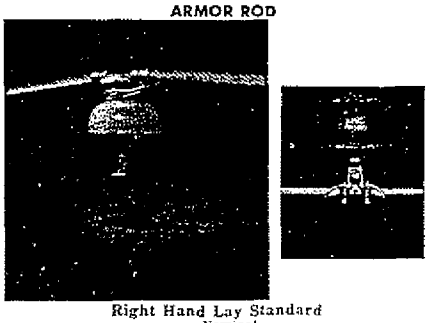
Utilities Grade Strandlink

Cat. No.	Size In.	Wt. Lbs. Per 100	Per 100
5003T	7/32	108	$234.85

N Suffix — Neoprene Covered. May be used with Figure 8 Cable. T REA (Telephone) Approved.

PREFORMED

ARMOR ROD



Right Hand Lay Standard

Cat. No.	Dia. Range Min.	Dia. Range Max.	Nominal Cond. Size AWG or MCM	Color Code	Lgth. In.	Each
For Aluminum Based Conductors						
AR-0110	.244	.269	#4,6/1,7/1	Or.	40(S)	$0.73
AR-0310	.244	.259	#4,7W AA	Or.	52(D)	.87
AR-0114	.309	.326	#2,6/1,7/1	Red	44(S)	.90
AR-0314	.309	.326	#2,7W AA	Red	56(D)	1.08
AR-0118	.390	.413	1/0,6/1	Yel.	52(S)	1.65
AR-0318	.390	.413	1/0,7W AA	Yel.	64(D)	1.94
AR-0120	.437	.463	2/0,6/1	Blue	54(S)	1.98
AR-0320	.437	.463	2/0,7W AA	Blue	68(D)	2.24
AR-0122	.491	.521	3/0,6/1	Or.	56(S)	2.22
AR-0322	.491	.521	3/0,7W Comp.	Or.	68(D)	2.57
AR-0124	.552	.585	4/0,6/1	Red	60(S)	2.75
AR-0324	.552	.585	4/0,6/1	Red	72(D)	3.13
For Galvanized Steel Strand						
AR-1128*	.309	.326	3W, 3/8-7W	Blk.	44	.96

*Left Hand Lay-Standard

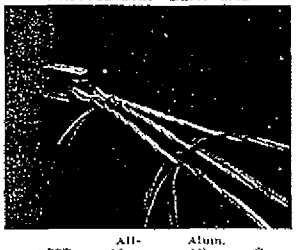
WRAPLOCK TIE



Cat. No.	Diameter Range Min.	Diameter Range Max.	Nominal Cond. Size AWG or MCM	Each
WTC-0100	.248"	.259"	#4,6/1-7/1	
			#4,7W*	$1.19
WTC-0105	.304"	.314"	#4,AWAC,3/4	
			#2,AWAC,6/1	1.31
WTC-0106	.315"	.327"	#2,6/1-7/1	
			#2,7W*	1.31
WTC-0112	.395"	.411"	1/0,6/1	
			1/0,7W*	1.39
WTC-0113	.412"	.437"	2/0,7W-19W†	
			3/0,7W-19W‡	1.40
WTC-0114	.438"	.463"	2/0,6/1-7/1	
			2/0,7W*	1.45
WTC-0116	.493"	.522"	3/0,6/1	
			3/0,7W*	
			4/0,7W†	1.63
WTC-0117	.523"	.554"	3/0,AWAC,5/2	
			4/0,18/1	
			4/0,19W†	
			266.8M,7W-19W‡	1.63
WTC-0118	.555"	.594"	4/0,6/1	
			4/0,7W*	
			266.8M,7W-19W†	2.00
WTC-0121	.665"	.705"	336.4M,18/1-36/1	
			336.4M,19W†	
			350M,19W-37W†	2.63
WTC-0122	.706"	.747"	336.4M,26/7-30/7	
			397.5M,19W†	2.89

*Alum. Alloy. †All-Alum. ‡Comp.

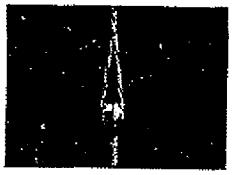
SERVICE-GRIP DEAD-END



Cat. No.	ACSR	All-Alum.	Alum. Alloy	Comp.	Each
SG-4500	#6,6/1	#6,7W	#6,7W	#6,6/1	
				#6,7W	$0.23
SG-4502	#4,6/1	#4,7W	#4,7W	#4,6/1	
	#4,7/1			#4,7/1	.26
SG-4504	#2,6/1	#2,7W	#2,7W	#2,6/1	
	#2,7/1			#1,7W	.30
SG-4506	1/0,6/1	1/0,7W	1/0,7W	1/0,6/1	
				2/0,7W	.43

GUY-GRIP® DEAD-END



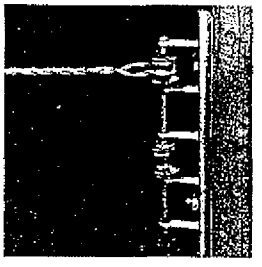




Galvanized Steel

Cat. No.	Size In.	Construction	Mean Dia. In.	Color Code	Lgth. In.	Each
GDE-1104	¼	7W	.240	Yel.	25	$0.73
GDE-1106	5/16	7W	.312	Blk.	31	.94
GDE-1107	3/8	7W	.360	Or.	35	1.06
GDE-1108	7/16	7W	.435	Gn.	38	1.80

DISTRIBUTION GRIP—Dead-End



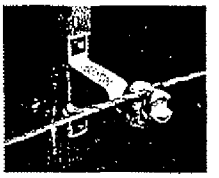
Cat. No.	Nominal ACSR	Nominal All-Alum.	Conductor Size Alum. Alloy	Conductor Size Comp. ACSR	Conductor Size AWAC 6/1	Each
DG-4541	#4,6/1				#4	
	#4,7/1	#4,7W	#4,7W	#4,6/1	#3	$0.36
DG-4542	#2,6/1					
	#2,7/1	#2,7W	#2,7W	#2,6/1	#2	.48
DG-4544	1/0,6/1	1/0,7W	1/0,7W	1/0,6/1	1/0	.66
DG-4545	2/0,6/1	2/0,7W	2/0,7W	2/0,6/1	2/0	.92
DG-4546	3/0,6/1	3/0,7W	3/0,7W	3/0,6/1	3/0	1.02
DG-4547	4/0,6/1	4/0,7W	4/0,7W	4/0,6/1	4/0	1.36
DG-4548	266.8, 18/1	266.8, 19W	266.8, 19W	336.4, 18/1	...	1.98
DG-4549	336.4, 18/1	336.4, 19W	336.4, 19W	397.5, 18/1	...	2.45

GUY GUARD



For Use On 1/4"—7/16" Strand

Cat. No.	Length	Color	Each
PG-5506	6 Ft.	Grey	$2.34
PG-5516	6 Ft.	Yellow	2.59
PG-5526	6 Ft.	Green	2.62
PG-5507	7 Ft.	Grey	2.40
PG-5517	7 Ft.	Yellow	2.65
PG-5527	7 Ft.	Green	2.68
PG-5508	8 Ft.	Grey	2.46
PG-5518	8 Ft.	Yellow	2.71
PG-5528	8 Ft.	Green	2.74



Cat. No.	Dia. Range Min.	Dia. Range Max.	Nominal Cond. Size AWG or MCM	Each
STC-1206-P	.248	.259	#4, 6/1, 7/1	
			#4, 7W AA	$0.71
SPC-1211-P	.304	.314	#4, AWAC 3/4	
			#2, AWAC 6/1	.80
STC-1212-P	.315	.327	#2, 6/1, 7/1	
			#2, 7W AA	.81
STC-1218-P	.395	.411	1/0, 6/1	
			1/0, 7W AA	.93
STC-1219-P	.412	.437	2/0, 7W, 19W AA	
			3/0, 7W, 19W Comp.	.96
STC-1220-P	.438	.463	2/0, 6/1, 7/1	
			2/0, 7W AA	.97
STC-1222-P	.493	.522	3/0, 6/1	
			3/0, 7W AA	
			4/0, 7W AA	1.05
STC-1223-P	.523	.554	3/0, AWAC 5/2	
			4/0, 18/1	
			4/0, 19W AA	
			266.8M, 7W, 19W AA	1.11
STC-1224-P	.555	.594	4/0, 6/1	
			4/0, 7W AA	
			266.8M, 7W, 19W Comp.	1.13
STC-1225-P	.595	.630	266.8M, 18/1	
			300M, 19W, 37W AA	1.34
STC-1226-P	.631	.666	266.8M, 26/7	
			266.8M, 19W AA	
			336.4M, 19W AA	1.36
STC-1227-P	.667	.705	336.4M, 18/1, 36/1	
			350M, 19W, 37W AA	1.49
STC-1228-P	.706	.747	336.4M, 26/7, 30/7	
			397.5M, 19W, 37W AA	1.51

SPOOL TIE



Cat. No.	Dia. Range Min.	Dia. Range Max.	Nominal Cond. Size AWG or MCM	Each
SPL-1306-P	.248	.259	#4, 6/1, 7/1	
			#4, 7W AA	$0.56
SPL-1311-P	.304	.314	#4, AWAC 3/4	
			#2, AWAC 6/1	.60
SPL-1312-P	.315	.327	#2, 6/1, 7/1	
			#2, 7W AA	.61
SPL-1318-P	.395	.411	1/0, 6/1	
			1/0, 7W AA	.70
SPL-1319-P	.412	.437	2/0, 7W, 19W A11 A.	
			3/0, 7W, 19W Comp.	.75
SPL-1320-P	.438	.463	2/0, 6/1, 7/1	
			2/0, 7W AA	.82
SPL-1322-P	.493	.522	3/0, 6/1	
			3/0, 7W AA	
			4/0, 7W A11 A.	.83
SPL-1323-P	.523	.554	3/0, AWAC 5/2	
			4/0, 18/1	
			4/0, 19W A11 A.	
			266.8M, 7W, 19W Comp.	.88
SPL-1324-P	.555	.594	4/0, 6/1	
			4/0, 7W AA	
			266.8M, 7W, 19W A11 A	.98
SPL-1326-P	.631	.666	266.8M, 26/7	
			266.8M, 19W AA	
			336.4M, 19W AA	1.29
SPL-1327-P	.667	.705	336.4M, 18/1, 36/1	
			350M, 19W, 37W A11 A	1.32
SPL-1328-P	.706	.747	336.4, 26/7, 30/7	
			397.5, 19W A11 A	1.35

SPLICE STRAND

For Use On Extra High Strength Strand



Cat. No.	Size In.	Construction	Each
GLS-2104	¼"	3W, 7W	$1.17
GLS-2106	5/16"	3W, 7W	1.47
GLS-2107	3/8"	3W, 7W	1.94
GLS-2108	7/16"	3W, 7W	2.24

GENERAL ELECTRIC ROADWAY AND PRIVATE LIGHTING LUMINAIRES

POWR/BRACKET® LUMINAIRES



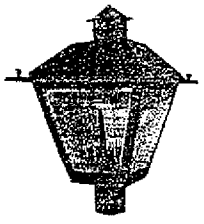
Powr/Bracket luminaires are streamlined private lighting units for commercial, industrial, home and farm applications. The units are all assembled and prewired, and include built-in ballast, Astrodome® photoelectric control, mercury lamp, hardware, and wire.

In 175- and 400-watt designs, these Powr/Bracket luminaires are easily and quickly mounted on wood or metal poles or on walls. To install on wall, just attach the adapter, put in two more bolts, and attach two leads. Pole mounting is even easier. All major electrical components are mounted on the drop-down door for easy access.

Ballast Volts	Ballast Type	Mercury Lamp	Unit Pack—For Wood-pole Mounting Only: Type H Dist.† Cat. No.	Type H Dist.† Each	Type V Dist. Cat. No.	Type V Dist. Each
175 Watts						
120	Lag (NPF)	Clear	C746G029	$51.45	C746G025	$51.45
		Deluxe white	C746G521	52.05	C746G454	52.05
120 x 240*	(HPF) Regulator	Clear	C746G032	59.70	C746G028	59.70
		Deluxe white	C746G503	60.30	C746G470	60.30
240	(NPF) Reactor	Clear	C746G030	48.30	C746G026	48.30
		Deluxe white	C746G582	48.90	C746G512	48.90
240	(HPF) Reactor	Clear	C746G031	53.25	C746G027	53.25
		Deluxe white	C746G583	53.85	C746G584	53.85
400 Watts						
120	Lag (NPF)	Clear	.....	.....	C746G283	$73.65
		Deluxe white	.....	.....	C746G465	74.40
120 x 240*	(HPF) Regulator	Clear	.....	.....	C746G278	86.25
		Deluxe white	.....	.....	C746G471	87.00
240	(NPF) Reactor	Clear	.....	.....	C746G281	68.40
		Deluxe white	.....	.....	C746G524	69.15
240	(HPF) Reactor	Clear	.....	.....	C746G279	76.50
		Deluxe white	.....	.....	C746G585	77.25

Note: Astrodome PE control voltage is 120 V.
*Factory wired for 120V operation of ballast, changed easily for 240V. However, Astrodome control must be changed to 240 V also.
†With clear lamp. Type III with phosphor-coated lamp.

TC-100 "TOWN AND COUNTRY"® LUMINAIRES



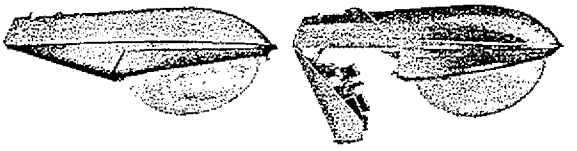
The Type TC-100 luminaire is ideally suited for the residential subdivisions having underground electrical service. In flat black finish, its traditional appearance combined with rugged construction and time proven electrical components fulfill the requirements of the electrical utility, the architects, consultants and contractors.

Use of phosphor-coated mercury lamp is recommended. IES distribution Types IV or V is provided.

Built-in Ballast Watts	Volts	Type	With 120-Volt PE Receptacle: Cat. No. (Less Lamp)	With 120-Volt PE Receptacle: Each	With 240-Volt PE Receptacle: Cat. No. (Less Lamp)	With 240-Volt PE Receptacle: Each	Without PE Receptacle: Cat. No. (Less Lamp)	Without PE Receptacle: Each
Lexan® Panels								
100	120	Reg	C721G006	$105.75	.....	.....	C721G083	$99.60
	120	Lag	C721G002	93.00	.....	.....	C721G031	87.00
	240	Reac. NPF	C721G001¶	74.70	C721G004ϕ	$74.70	C721G015	68.85
100	120	Reg	C721G023	106.00	.....	.....	C721G105	99.75
	120	Lag	C721G019	93.00	.....	.....	C721G147	87.00
	240	Reac. NPF	C721G020¶	74.70	C721G148ϕ	74.70	C721G149	68.85
175	120	Reg	C721G007	108.50	.....	.....	C721G014	101.10
	120	Lag	C721G003	94.50	.....	.....	C721G042	88.50
	240	Reac. NPF	C721G008¶	76.35	C721G005ϕ	76.35	C721G047	70.35
175	120	Reg	C721G026	108.50	.....	.....	C721G084	100.50
	120	Lag	C721G025	94.50	.....	.....	C721G153	88.50
	240	Reac. NPF	C721G038¶	76.35	C721G022ϕ	76.35	C721G129	70.35
Acrylic Panels								
100	120	Reg	C721G156	$101.25	.....	.....	C721G164	$95.25
	120	Lag	C721G152	89.25	.....	.....	C721G161	83.25
	240	Reac. NPF	C721G151¶	70.95	C721G154ϕ	$70.95	C721G160	65.10
100	120	Reg	C721G166	101.25	.....	.....	C721G167	95.25
	120	Lag	C721G168	89.25	.....	.....	C721G169	83.25
	240	Reac. NPF	C721G170¶	70.95	C721G171ϕ	70.95	C721G172	65.10
175	120	Reg	C721G157	102.75	.....	.....	C721G159	96.75
	120	Lag	C721G153	90.75	.....	.....	C721G162	84.75
	240	Reac. NPF	C721G158¶	72.60	C721G155ϕ	72.60	C721G163	66.60
175	120	Reg	C721G174	102.75	.....	.....	C721G175	96.75
	120	Lag	C721G176	90.75	.....	.....	C721G177	84.75
	240	Reac. NPF	C721G178¶	72.60	C721G179ϕ	72.60	C721G180	66.60

¶ For 3-wire systems, 240V to ballast and 120V to PE receptacle.
ϕ For 2-wire systems, 240V to ballast and 240V to PE receptacle.

POWR/DOOR® M-LINE LUMINAIRES



Closed and open position of M-250A/M-400 Powr/Door assembly.

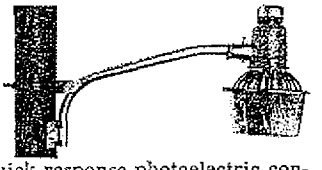
Type M luminaires offer a complete family of bracket-mounted fixtures for all types of roadway and area lighting. M-250A and M-400A accommodate today's mercury lamps or the new light sources such as Lucalox® and metal halide lamps. The unique design of the Powr/Door assembly protects your luminaire investment from obsolescence. Upgrading to more advanced lighting is accomplished with minimum trouble and expense by merely adjusting the socket and changing the replaceable Powr/Door assembly, which contains ballast and control. Useful luminaire life is thus greatly lengthened.

Astrodome photoelectric control is located inside the housing where it's safe from such dangers as rocks, tree limbs, and hail. Conventional top-mounted PE controls are available upon request. Also available are luminaires without PE control function.

Ballast Watts	Volts	Type	Lamp Type	With 120V Astrodome Control: Cat. No. (Less Lamp)	With 120V Astrodome Control: Each	With 240V Astrodome Control: Cat. No. (Less Lamp)	With 240V Astrodome Control: Each
M-250A POWR/DOOR Luminaire							
100	120 x 240	Regulator‡	H38	C727G001‡	$91.50	.....	.....
	240	Reactor, NPF		C727G010§	72.45	C727G013△	$72.00
	240	Reactor, HPF		C727G004§	81.75	C727G007△	81.75
	120	Lag		C727G016	80.25	.....	.....
175	120 x 240	Regulator‡	H39	C727G002	93.00	.....	.....
	240	Reactor, NPF		C727G011§	74.10	C727G014△	74.10
	240	Reactor, HPF		C727G005§	83.25	C727G008△	83.25
	120	Lag		C727G017	81.75	.....	.....
250	120 x 240	Regulator‡	H37	C727G003	102.75	.....	.....
	240	Reactor, NPF		C727G012§	83.25	C727G015△	83.25
	240	Reactor, HPF		C727G006§	93.00	C727G009△	93.00
	120	Lag		C727G018	91.50	.....	.....
M-400A POWR/DOOR Luminaire							
400	120 x 240	Regulator‡	H33	C723G001	$113.25	.....	.....
	240	Reactor, NPF	H33	C723G003§	94.50	C723G005△	$94.50
	240	Reactor, HPF	H33	C723G009§	104.25	C723G004△	104.25
	120	Lag	H33	C723G006	102.75	.....	.....
400	120	Lucalox Reac	LU-400/BD	C723G524	157.50	.....	.....
	240	Lucalox Reac	LU-400/BD	C723G525§	157.50	C723G526△	157.50
	120	Lucalox Reg	LU-400/BD	C723G563	168.00	.....	.....
	240	Lucalox Reg	LU-400/BD	.....	.....	C723G564△	168.00
	120	Metal Halide	MV-400/BD	C723G014	124.50	.....	.....
	240	Metal Halide	MV-400/BD	C723G021	124.50	C723G019△	124.50

‡ Factory wired for 120-volt operation of ballast and PE control.
§ For use on 3-wire 120x240-volt supply; 240 volts to ballast, 120 volts to PE control.
△ For use on 2-wire 240-volt supply; 240 volts to ballast, 240 volts to PE control.

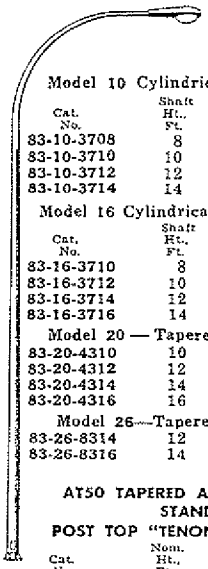
ACRYLIC SUBURBAN LUMINAIRES



The Acrylic Suburban Luminaire is a private lighting package for homes, farms, churches, plants, drive ins, motels and trailer parks. Each Unit Pack provides everything needed, including hood, optical assembly, quick-response photoelectric control, mercury lamp, cable, hardware and 30-inch bracket.

IES Distribution Type	Lamp	175-Watt, 120-Volt, Lag-type Ballast: Unit Pack Cat. No.	175-Watt, 120-Volt, Lag-type Ballast: Each	175-Watt, 240-Volt, NPF Reactor-type Ballast: Unit Pack Cat. No.	175-Watt, 240-Volt, NPF Reactor-type Ballast: Each
II	Clear	C648G828	$51.45	C648G953	$48.30
II	Deluxe white	C649G505	52.05	C649G675	48.90
V	Clear	C648G381	51.45	C648G295	48.30
V	Deluxe white	C649G471	52.05	C649G544	48.90

KAISER ALUMINUM ELECTRICAL PRODUCTS



POST TOP LIGHTING STANDARDS

Model 10 Cylindrical Shaft—Anchor Base

Cat. No.	Shaft Ht., Ft.	Shaft O.D. In.	Projected Area Sq. Ft.	Shpg. Wt. Lbs.
83-10-3708	8	2⅞	8.2	21
83-10-3710	10	2⅞	6.2	25
83-10-3712	12	2⅞	4.9	29
83-10-3714	14	2⅞	3.7	33

Model 16 Cylindrical Shaft — Imbedded Base

Cat. No.	Shaft Ht., Ft.	Shaft Lgth., In.	Projected Area Sq. Ft.	Shpg. Wt. Lbs.
83-16-3710	8	10	8.2	20
83-16-3712	10	12	6.2	24
83-16-3714	12	14	4.9	28
83-16-3716	14	16	3.7	32

Model 20 — Tapered Shaft — Anchor Base

83-20-4310	10	.....	7.4	20
83-20-4312	12	.....	5.8	24
83-20-4314	14	.....	4.5	28
83-20-4316	16	.....	3.4	31

Model 26—Tapered Shaft—Imbedded Base

83-26-8314	12	14	5.8	26
83-26-8316	14	16	4.6	29

AT50 TAPERED ALUMINUM LIGHTING STANDARDS

POST TOP "TENON" TYPE MODEL 90

Cat. No.	Nom. Ht., Ft.	Shaft Size In.	Projected Area Sq. Ft.	Wt. Lbs.
83-90-8423-XX	25	8—4.35	7.8	150
83-90-9423-XX	25	9—5.19	9.8	165
83-90-9428-XX	30	9—4.35	6.3	170
83-90-9628-XX	30	9—4.46	10.9	170
*83-90-9633-XX	35	9—4.375	9.4	220

*The extended shaft model No. 440 expansion section is of 4" N.P.S. alloy 6061-T6.

NOTE: Tenon size must be specified on order. Substitute tenon code no. from table below for "XX" in Cat. No.

Tenon Code	Tenon Size	Tenon Code	Tenon Size
00	Flat Plate†	30	3" N.P.S.
20	2" N.P.S.	35	3½" N.P.S.
25	2½" N.P.S.	....	.....

†With 4"x½" bolts on 5¾" bolt circle.

UPSWEEP ARMS MODEL 15

Standard—Anchor Base

Contact Graybar for complete specifications.

TAPERED DAVIT ARM MODEL 70‡

Single Arm — Anchor Base**

Contact Graybar for complete specifications.

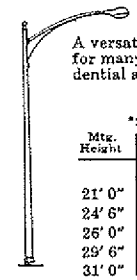
AT50 TAPERED ALUMINUM LIGHTING STANDARDS

Single Arm — Anchor Base**

Cat. No.	Mtg. Ht., Ft.	Arm Reach Ft.	Projected Area Square Ft.	Wt. Lbs.
PIPE TYPE ARM MODEL 40				
83-40-8423-0421	25	4	3.2	154
83-40-8423-0621	25	6	3.2	159
83-40-8423-0821	25	8	2.5	156
83-40-9428-0421	30	4	3.2	174
83-40-9428-0621	30	6	3.2	176
83-40-9428-0821	30	8	2.5	175
83-40-9433-0421*	35	4	3.2	198
83-40-9433-0621*	35	6	3.2	200
83-40-9433-0821*	35	8	2.5	199
TAPERED ELLIPTICAL ARM MODEL 50‡				
83-50-8421-0421	23½	4	3.2	143
83-50-8421-0621	23½	6	3.2	148
83-50-8421-0821	23½	8	3.2	151
83-50-8423-0421	25	4	3.2	146
83-50-8423-0621	25	6	3.2	151
83-50-8423-0821	25	8	3.2	154
83-50-9426-0421	28½	4	3.2	167
83-50-9426-0621	28½	6	3.2	172
83-50-9426-0821	28½	8	3.2	176
83-50-9428-0421	30	4	3.2	170
83-50-9428-0621	30	6	3.2	175
83-50-9428-0821	30	8	3.2	178
83-50-9433-0421*	35	4	3.2	194
83-50-9433-0621*	35	6	3.2	199
83-50-9433-0821*	35	8	3.2	202
TRUSS-TYPE ARM MODEL 60‡				
83-60-8420-0821	23½	8	3.2	159
83-60-8420-1021	23½	10	3.2	160
83-60-8421-0821	25	8	3.2	162
83-60-8421-1021	25	10	3.2	164
83-60-8420-1231	25	12	3.2	180
83-60-8420-1531	25	15	3.2	183
83-60-9420-1831	25	18	3.2	210
83-60-9425-0821	28½	8	3.2	183
83-60-9425-1021	28½	10	3.2	185
83-60-9423-1231	28½	12	3.2	201
83-60-9423-1531	28½	15	3.2	213
83-60-9423-1831	28½	18	3.2	218
83-60-9426-0821	30	8	3.2	187
83-60-9426-1021	30	10	3.2	189
83-60-9425-1231	30	12	3.2	205
83-60-9425-1531	30	15	3.2	207
83-60-9625-1831	30	18	3.2	258
83-60-9628-1231	33½	12	3.2	251
83-60-9628-1531	33½	15	3.2	263
83-60-9628-1831	33½	18	3.2	268
83-60-9431-0821*	35	8	3.2	209
83-60-9431-1021*	35	10	3.2	211
83-60-9630-1221*	35	12	3.2	268

*The extended shaft Model 440 extension section is of 4" NPS alloy 6061-T6.
**Twin Arm Standards are also available, contact Graybar for complete specifications.
‡All arms with 2" N.P.S. (2.38 O.D.) slipfitter.

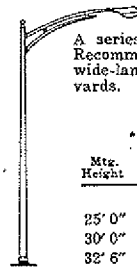
UNION METAL MONOTUBE POLES



A versatile steel pole traditionally successful for many applications such as roadway, residential and offstreet installations.

***STEEL DESIGN 400A**

Mtg. Height	Number and Bracket Spread		
	4' 0"	6' 0"	8' 0"
21' 0"	E-200-A2	E-200-B2	E-200-C2
24' 6"	F-236-A2	F-236-B2	F-236-C2
26' 0"	F-250-A2	F-250-B2	F-250-C2
29' 6"	H-286-A2	H-286-B2	H-286-C2
31' 0"	H-300-A2	H-300-B2	H-300-C2



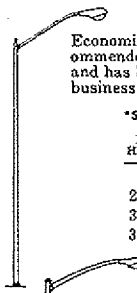
A series of poles with longer mast arms. Recommended for safer driving visibility on wide-lane highways, expressways and boulevards.

***STEEL DESIGN 440A**

Mtg. Height	Number and Bracket Spread		
	10' 0"	12' 0"	15' 0"
25' 0"	F-220-D2	G-220-E2	H-220-F2
30' 0"	H-270-D2	H-270-E2	J-270-F2
32' 6"	H-296-D2	H-296-E2	K-296-F2

*For limitation of luminaire weight and size for each design pole consult Graybar salesman or Union Metal Mfg. Co. Catalog

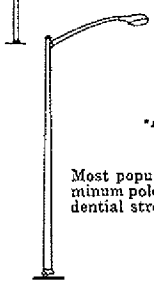
"Consult your nearby Graybar office for prices."



Economically designed pole especially recommended for shopping centers, parking lots and has been successfully used on downtown business streets.

***STEEL DESIGN T400A**

Mtg. Height	Number and Bracket Spread	
	6' 0"	8' 0"
25' 0"	F-220-B2	F-220-C2
30' 0"	G-269-B2	G-269-C2
32' 6"	H-296-B2	H-296-C2

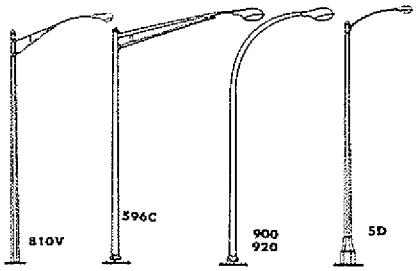


***ALUMINUM DESIGN 592C**

Most popular type of maintenance-free aluminum pole used on cities main arteries, residential streets and shopping centers.

Mtg. Height	Number and Bracket Spread		
	4' 0"	6' 0"	8' 0"
20' 0"	B-704D-176-A2	B-704D-176-B2	B-704D-176-C2
25' 0"	B-704D-226-A2	B-704D-226-B2	B-704D-226-C2
30' 0"	B-804D-276-A2	B-804D-276-B2	B-804D-276-C2
32' 6"	B-804D-300-A2	B-804D-300-B2	— —

UNION METAL MONOTUBE POLES



***CONCRETE DESIGN 810V**

Mtg. Height	Number and Bracket Spread			
	Base Type	10' 0"	12' 0"	15' 0"
30' 9"	Butt	B27-V10	B27-V12	B27-V15
30' 9"	Bolt	P27-V10	P27-V12	P27-V15
34' 9"	Butt	B31-V10	B31-V12	B31-V15
34' 9"	Bolt	P31-V10	P31-V12	P31-V15

***ALUMINUM DESIGN 596C**

Mtg. Height	Number and Bracket Spread		
	10' 0"	12' 0"	15' 0"
25' 0"	B-704D-226-D2	B-704D-226-E2	B-704D-226-F2
30' 0"	B-804D-276-D2	B-804D-276-E2	B-804D-276-F2

***STEEL DESIGN 900**
***ALUMINUM DESIGN 920**

Mtg. Height	Number and Davit Span	
	6' 0"	6' 0"
25' 0"	900-Y74	920-Y58
30' 0"	900-Y76	920-Y60

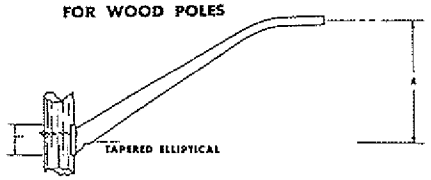
***CONCRETE DESIGN 5D**

Mtg. Height	Number and Bracket Spread		
	4' 0"	6' 0"	8' 0"
22' 9"	52-D4	52-D6	52-D8
24' 3"	53-D4	53-D6	53-D8
25' 9"	54-D4	54-D6	54-D8
28' 3"	55-D4	55-D6	55-D8
30' 9"	56-D4	56-D6	56-D8

*For limitation of luminaire weight and size for each design pole consult Graybar salesman or Union Metal Mfg. Co. Catalog #100.

HAPCO ALUMINUM BRACKETS

FOR WOOD POLES



Cat. No.	Length	Member Size	Rise "A"	Wt. Lbs.	Each
84-001	4'	3"	30"	8	$10.90
84-003	6'	3"	30"	11	13.75
84-004	6'	3½"	30"	12	14.80
84-006	8'	3½"	30"	14	17.00
84-007	8'	4"	30"	15	20.25
84-009	10'	4"	30"	19	23.75
84-010	10'	4½"	30"	22	39.05

HAPCO LIGHTING POLES

SERIES 20 POLES — TAPERED ELLIPTICAL ARMS

Cat. No.	Mtg. Hgt. Feet	Shaft Size — Taper Inches	Shaft Size — Height Ft.	Shaft Size — Height In.	Brkt. Lgth. Feet	Bolt Circle Diam. In.
Series 23 Transformer Base (Single Arm)						
23-012	20	7 to 4½	16	4	4	15
23-015	20	7 to 4½	16	4	6	15
23-017	20	7 to 4½	16	4	8	15
23-292	25	7 to 4½	21	4	4	15
23-295	25	7 to 4½	21	4	6	15
23-297	25	7 to 4½	21	4	8	15
23-582	30	8 to 4½	26	4	4	15
23-585	30	8 to 4½	26	4	6	15
23-587	30	8 to 4½	26	4	8	15
23-722	32½	8 to 4½	28	10	4	15
23-725	32½	8 to 4½	28	10	6	15
23-727	32½	8 to 4½	28	10	8	15
Series 24 Transformer Base (Twin Arm)						
24-012	20	7 to 4½	16	4	4	15
24-015	20	7 to 4½	16	4	6	15
24-017	20	7 to 4½	16	4	8	15
24-292	25	7 to 4½	21	4	4	15
24-295	25	7 to 4½	21	4	6	15
24-297	25	7 to 4½	21	4	8	15
24-582	30	8 to 4½	26	4	4	15
24-585	30	8 to 4½	26	4	6	15
24-587	30	8 to 4½	26	4	8	15
24-722	32½	8 to 4½	28	10	4	15
24-725	32½	8 to 4½	28	10	6	15
24-727	32½	8 to 4½	28	10	8	15

Wall Thickness: .188 inch in every shaft except where otherwise stated.

Cat. No.	Mtg. Hgt. Feet	Shaft Size — Taper Inches	Shaft Size — Height Ft.	Shaft Size — Height In.	Brkt. Lgth. Feet	Bolt Circle Diam. In.
Series 21 Plain Base (Single Arm)						
21-002	20	6 to 4½	18	0	4	9 to 10
21-005	20	6 to 4½	18	0	6	9 to 10
21-007	20	6 to 4½	18	0	8	9 to 10
21-292	25	7 to 4½	23	0	4	10 to 11
21-295	25	7 to 4½	23	0	6	10 to 11
21-297	25	7 to 4½	23	0	8	10 to 11
21-582	30	8 to 4½	28	0	4	11 to 12
21-585	30	8 to 4½	28	0	6	11 to 12
21-587	30	8 to 4½	28	0	8	11 to 12
21-722	32½	8 to 4½	30	6	4	11 to 12
21-725	32½	8 to 4½	30	6	6	11 to 12
21-727	32½	8 to 4½	30	6	8	11 to 12
Series 22 Plain Base (Twin Arm)						
22-002	20	6 to 4½	18	0	4	9 to 10
22-005	20	6 to 4½	18	0	6	9 to 10
22-007	20	6 to 4½	18	0	8	9 to 10
22-292	25	7 to 4½	23	0	4	10 to 11
22-295	25	7 to 4½	23	0	6	10 to 11
22-297	25	7 to 4½	23	0	8	10 to 11
22-582	30	8 to 4½	28	0	4	11 to 12
22-585	30	8 to 4½	28	0	6	11 to 12
22-587	30	8 to 4½	28	0	8	11 to 12
22-722	32½	8 to 4½	30	6	4	11 to 12
22-725	32½	8 to 4½	30	6	6	11 to 12
22-727	32½	8 to 4½	30	6	8	11 to 12

Hand hole included in above catalog numbers. Center of hand hole 18" from ground.

All brackets have 2" N.P.S. Slipfitters unless otherwise specified.

IDEA-SERIES

(Instant delivery every application)

Fast deliveries on street, highway and area lighting poles—complete units or individual components. Provide a choice of 20 different street, highway or area lighting possibilities.

STREET AND HIGHWAY LIGHTING POLES—PLAIN BASE—TAPERED ELLIPTICAL ARMS

Cat. No.	Mtg. Hgt. Feet	Shaft Size — Taper Inches	Shaft Size — Height Feet	Brkt. Lgth. Feet	Bolt Circle Diam. In.
Single Arm					
280-001	25	7 to 4½	23	4	10 to 11
280-003	25	7 to 4½	23	6	10 to 11
280-005	25	7 to 4½	23	8	10 to 11
280-007	30	8 to 4½	28	4	11 to 12
280-009	30	8 to 4½	28	6	11 to 12
280-011	30	8 to 4½	28	8	11 to 12
Twin-Arm					
280-002	25	7 to 4½	23	4	10 to 11
280-004	25	7 to 4½	23	6	10 to 11
280-006	25	7 to 4½	23	8	10 to 11
280-008	30	8 to 4½	28	4	11 to 12
280-010	30	8 to 4½	28	6	11 to 12
280-012	30	8 to 4½	28	8	11 to 12

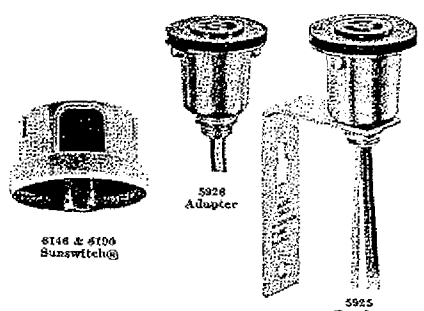
FLOODLIGHT POLES—PLAIN BASE

Cat. No.	Nom.* Mtg. Hgt. Feet	Shaft Size — Taper Inches	Shaft Size — Height Feet	Bolt Circle Diam. In.
One Floodlight Mounting Tenon				
280-025	25	7 to 4½	23	10 to 11
280-029	30	8 to 4½	28	11 to 12
Two Floodlight Mounting Tenons				
280-026	25	7 to 4½	23	10 to 11
280-030	30	8 to 4½	28	11 to 12
Three Floodlight Mounting Tenons				
280-027	25	7 to 4½	23	10 to 11
280-031	30	8 to 4½	28	11 to 12
Four Floodlight Mounting Tenons				
280-028	25	7 to 4½	23	10 to 11
280-032	30	8 to 4½	28	11 to 12

*Exact height of unit without luminaires is 23'4" and 28'4". Wall Thickness: .188 inch in every shaft. Hand hole included in above catalog numbers. Center of hand hole 18" from ground.

Price on Application

RIPLEY SUNSWITCH®



Locking type controls. Fit all fixtures with NEMA standard receptacle. Rated 50/60 cycles to control all type lamp loads to 1000 watts maximum. New low profile cover. Long life photocell actuates time proven relay. Control circuit protected against lightning and voltage surges.

SunSwitch® may be mounted remote from controlled lights. All units conform to applicable EEI-NEMA standards.

Model No.	Description	Supply Volts	Each
6146	Single Voltage	105-135	$5.45
6190	Multiple Voltage	105-285	7.45
5925	Mounting Bracket-Vertical Surface		3.10
5926*	Conduit Adapter—½" Pipe Thread		2.80

*For mounting on conduit or weatherproof enclosure.

SIGMA FISHER-PIERCE INSTRUMENTS

PHOTOELECTRIC OUTDOOR LIGHTING CONTROLS

3000 Watt Rating — 50-60 Cycle
Series 63300



Units will fit standard watt-hour meter sockets or can be bracket mounted; and are field adjustable from 0 to 20 foot candles.

Designed for street, highway, industrial, commercial and obstruction lighting.

Electronic Head

Cat. No.	Line Fuse Amp.	Load Watts Closed	Supply Volts	Shpg. Wt. Lbs.	Per Unit
Single-Pole — Double-Throw — Double Break					
63300DA	5	3000	105-130	4¼	$44.01
63300DB†	5	3000	105-130	4¼	45.57
63300DE‡	5	3000	105-130	4¼	46.09
Single-Pole — Single-Throw — Double Break					
63303DA	5	3000	105-130	4¼	43.81
63303DB†	5	3000	105-130	4¼	45.37
63303DE‡	5	3000	105-130	4¼	45.89
63305DA	5	3000	105-130	4¼	51.16
63305DB†	5	3000	105-130	4¼	53.76
Double-Pole* — Single-Throw					
63364DA	5	3000	210-250	4½	54.80
63364DE‡	5	3000	210-250	4½	61.36

*3060 watt per pole.
†With plug-type 30 amp. load fuse.
‡With cartridge-type load fuse.

Any model in the 63300 series may be supplied with or without meter socket assembly.
Replacement parts are also available.

SIGMA FISHER-PIERCE INSTRUMENTS

PHOTOELECTRIC OUTDOOR LIGHTING CONTROLS

1000 Watt Rating — 50-60 Cycle
Series 6600



Designed with three components; dry-seal photocell, relay and lightning arrester for positive lightning and surge. All units have low profile.

Chemical barrier protects photocell from moisture and other potentially damaging environmental conditions. 13 years rated life on switch.

1000 Watt Maximum — 50-60 Cycle

Cat. No.	Description	Supply Volts	Each
6660	A.C. Relay	105–130	$7.09
6690B	Duo-Volt® A.C. Relay	105/285	10.08

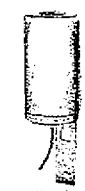
Mounting adapters and replacement parts also available.

MOUNTING ADAPTERS FOR 6600 SERIES CONTROLS

Fisher Pierce offers a large variety of mounting adapters suitable for pole, crossarm, pipe and conduit mounting.

Cat. No.	Description	Each
S476-11	Receptacle & bracket adjustment for control rotation . . .	$6.31
S476-15	Receptacle & bracket for 1-1/4" conduit mounting	5.72
S476-51	One piece receptacle & bracket .	4.29
S476-61	Economy receptacle for 1/2" IPS conduit or wall mounting	8.00

MULTIPLE RELAYS SERIES 250A, 260 AND 270



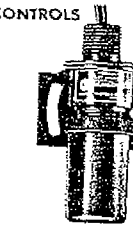
Used to raise the load-switching capacity of a single photoelectric outdoor lighting control or other switching device to 3000 watts. These relays serve wherever centralized switching of many lights from one control is practical and desirable.

Single-Pole — Single-Throw — Double Break
105-130 Volts — 50-60 Hz., AC
Normally Open Relay

Open Cat. No.	Closed Cat. No.	Description	Contacts	Per Unit
251A	252A	Cast-Aluminum	Isolated	$19.76
261	262	Extruded Alum.	Isolated	16.06
271	272	Extruded Alum.	Non-Isolated	23.40

INDUSTRIAL PHOTOCONTROLS





Economical, compact systems . . . integral two-part or remote three-part . . . for light-beam control of moving objects in material handling, processing, production, packaging. High-efficiency optical systems for positive "light" or "dark" operation. No interwiring necessary between integral receiver and light source systems. Principal components . . . photoconductive cells, relays, transformers. Replaceable incandescent lamps operate from low voltage for maximum life. Switch at speeds up to 1200 times a minute, and operates over ranges from one foot or less to twenty-five feet.

Cat. No.	Supply Volts	Switch	Each
Receivers for Integral System — 50/60 Cycle			
8P3	115/230	SPDT	$20.30
8P5	115/230	DPDT	20.30
8P6	115/230	SPDT	19.40
8P8	115/230	SPDT	40.64
8P9	115/230	DPDT	40.64
8P10	115/230	SPDT	23.79
8RC01A*	115	SPDT	16.79
8RC02A*	115	SPDT	16.79
8L3†	115/230	.....	14.76
Receivers for Remote System			
8P4	115/230	.....	14.76
8P7	115/230	.....	13.41
8L4‡	115/230	.....	12.92
8L7‡	115/230	.....	9.72
Amplifiers			
8A	115/230	DPDT	55.40
8A3	115/230	DPDT	73.39
AT373-1	Weatherproof Housing		14.58

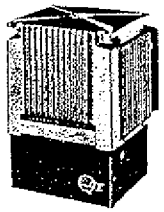
*60 cycle only.
†Light source for Integral System.
‡Light source for Remote System.

GENERAL ELECTRIC — JEFFERSON — HEVI-DUTY — SORGEL TRANSFORMERS

QUIET TYPE GENERAL PURPOSE

For General Light and Power Service

Quiet Type — Single Phase



Ratings — kva — 5 through 25. Frequency — 60 Hertz. Some units designed for 50/60 Hertz operation.

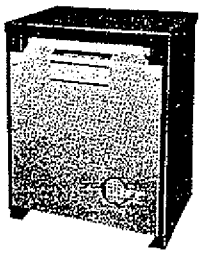
Insulation System — 115C rise insulation system used on all Quiet Type Units.

Installation — All applicable ratings are U.L. listed for indoor or outdoor installation. Keyhole mounting slots for easy mounting on walls or panels. Lifting groove to facilitate handling.

GE Numbers	Jefferson Numbers	Hevi-Duty Numbers	Sorgel Numbers	KVA	Approx. Dimens. Inches Height	Width	Depth	Each
Single Phase — 60 Hertz Primary 240/480 Volts—Secondary 120/240 Volts								
9T21B1004	221-2112	HS1F5	5S1HF	5	14¾	10⅝	9½	$101.50
9T21B1005	221-2132	HS1F7.5	7S1HF	7.5	16⅜	12⅛	10⅞	140.00
9T21B1006	221-2152	HS1F10	10S1HF	10	17⅞	12⅛	11⅞	175.00
9T21B9103	221-2162	S5H15	15S2H	15	18⅛	14¾	12⅝	243.60
9T21B9104	221-2182	S5H25	25S2H	25	19⅛	16⅞	14⅞	375.20
Three Phase — 60 Hertz Primary 480 Volts — Secondary 208 Y/120 Volts								
9T21A4001	223-101	T1F3	3T2HF	3	22⅞	7⅛	6⅞	111.30
9T21A4002	223-121	T1F6	6T2HF	6	25⅞	9⅛	7⅞	155.40
9T21A4003	223-141	T1F9	9T2HF	9	28⅛	9⅛	7⅞	197.40
9T21A9301	223-161	T2H15	15T2HF	15	31¼	11⅝	10⅞	287.70

INDUSTRIAL GENERAL PURPOSE

For General Light and Power Service



Ratings — kva — 37½ through 167, single-phase. 30 through 1000, three-phase. Frequency 60 Hertz.

Insulation System — 150C rise insulation system on all units.

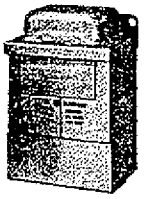
Installation — Transformers are designed for indoor installation. Modified units are available for protection outdoor use. Where outdoor use is expected, care should be exercised that the models used are those listed for protected outdoor service. All units are suitable for floor or platform mounting. Units through 75 kva also have built-in provisions for wall mounting with keyhole slots at the top. External listing eyes and provisions for easy fork handling are also built-in.

GE Numbers	Jefferson Numbers	Hevi-Duty Numbers	Sorgel Numbers	KVA	Approx. Dimens. Inches Height	Width	Depth	Each
Single Phase — 60 Hertz Primary 240/480 Volts — Secondary 120/240 Volts								
9T23A2662	221-2205	S5H37	37S3H	37.4	31	20¼	19¼	$479.50
9T23A2663	221-2225	S5H50	50S3H	50	33	20¼	19¼	577.50
9T23A2674*	221-2235	S5H75	75S3H	75	36⅞	22½	23½	775.60
9T23A2675*	221-2245	S5H100	100S3H	100	42	26½	25	918.40
9T23A2676*	221-2275	S5H167	167S3H	167	43⅞	29	29½	1635.20
Three Phase — 60 Hertz Primary 480 Volts — Secondary 208Y/120 Volts								
9T23A3872†	223-2194	T2H30	30T3H	30	31	24	19¼	536.20
9T23A3873†	223-2214	T2H45	45T3H	45	31	24	19¼	743.40
9T23A3874†	223-2234	T2H75	75T3H	75	33	32	21¾	1146.60
9T23A3875†	223-2254	T2H112	112T3H	112.5	39⅞	36	24½	1462.30
9T23A3876†	223-2264	T2H150	150T3H	150	40⅞	38¾	25½	1763.30
9T23A3877†	.....	T2H225	225T3H	225	48	48	30	2201.50

†Provided with (6) 2½% taps, 2 above and 4 below 480 volts.
*Provided with (5) 2½% taps, 2 above and 4 below 480 volts.

BUCKING AND BOOSTING APPLICATIONS

For General Light and Power Service



Bucking and boosting transformers, for indoor-outdoor service, provide an economical and convenient means of boosting low circuit voltages to ratec voltages. Can be used as autotransformers, and two or more units can be used in various combinations to obtain many other special voltages.

Just determine the load circuit kva or the amperes of the load you want to boost, then select model number that is right for your circuit from the table.

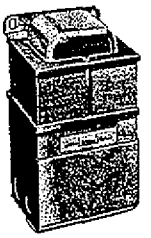
Selection Guide

Load Circuit KVA	Load Circuit Amperes	G-E Buck-Boost Model Number	Transformer KVA
0.714	3.12	9T51Y103	0.075
0.952	4.16	9T51Y104	.100
1.428	6.24	9T51Y105	.150
1.904	8.32	9T51Y106	.200
2.38	10.4	9T51Y107	.250
4.76	20.8	9T51Y108	.500
7.14	31.2	9T51Y109	.750
9.52	41.6	9T51Y110	1.00
14.28	62.4	9T51Y111	1.50
19.04	83.2	9T51Y112	2.00
28.56	124.8	9T51Y113	3.00

GE Numbers	Jefferson Numbers	Hevi-Duty Numbers	Sorgel Numbers	KVA	Approx. Dimens. Inches H	W	D	Each
Primary 120/240 Volts — Secondary 12/24 Volts 50/60 Hertz								
9T51Y101	.....	.....	25SV43B	.025	6⅜	3⅞	3	$8.64
9T51Y102	.....	P19A50	50SV43B	.050	6⅜	3⅞	3	9.88
9T51Y103	.....	.....	75SV43B	.075	7⅛	3⅞	3	11.60
9T51Y104	246-1101	P19A100	100SV43B	.100	6⅜	3⅞	3⅝	12.67
9T51Y105	246-1111	P19A150	150SV43B	.150	7¼	3⅞	3⅝	14.90
9T51Y106	.....	.....	200SV43B	.200	7½	3⅞	3⅝	16.41
9T51Y107	246-1121	P19A250	250SV43B	.250	7½	3⅞	3⅝	18.56
9T51Y108	246-1131	P19F500	500SV43B	.500	8⅛	4¾	4⅛	25.20
9T51Y109	246-1141	P19F750	750SV43B	.750	8⅞	4¾	4⅛	31.66
9T51Y110	246-1151	S19F1	1S43HF	1	9⅝	5½	4⅞	40.60
9T51Y111	246-1161	S19F1.5	1.5S43HF	1.5	11⅛	5½	4⅞	49.59
9T51Y112	246-1171	S19F2	2S43HF	2	12⅝	5½	4⅞	60.32
9T51Y113	246-1181	S19F3	3S43HF	3	13	6⅛	5½	89.72
60 Hertz								
9T21B1037	246-1191	S19F5	5S43HF	5	14¾	10⅝	9½	140.00
Secondary 16/32 Volts — 50/60 Hertz								
9T51Y121	.....	.....	25SV46B	.025	6⅜	3⅞	3	8.64
9T51Y122	.....	P20A50	50SV46B	.050	6⅜	3⅞	3	9.88
9T51Y123	.....	.....	75SV46B	.075	7⅛	3⅞	3	11.60
9T51Y124	246-1201	P20A100	100SV46B	.100	6⅜	3⅞	3⅝	12.67
9T51Y125	246-1211	P20A150	150SV46B	.150	7¼	3⅞	3⅝	14.90
9T51Y126	.....	.....	200SV46B	.200	7½	3⅞	3⅝	16.41
9T51Y127	246-1221	P20A250	250SV46B	.250	7½	3⅞	3⅝	18.56
9T51Y128	246-1231	P20F500	500SV46B	.500	8⅛	4¾	4⅛	25.20
9A51Y129	246-1241	P20F750	750SV46B	.750	8⅞	4¾	4⅛	31.66
9T51Y130	246-1251	S20F1	1S46HF	1	9⅝	5½	4⅞	40.60
9T51Y131	246-1261	S20F1.5	1.5S46HF	1.5	11⅛	5½	4⅞	49.59
9T51Y132	246-1271	S20F2	2S46HF	2	12⅝	5½	4⅞	60.32
9A51Y133	246-1281	S20F3	3S46HF	3	13	6⅛	5½	89.72
Secondary 16/32 Volts — 60 Hertz								
9T21B1040	246-1291	S20F5	5S46HF	5	14¾	10⅝	9½	154.00

DRY TYPE TRANSFORMERS

For General Light and Power Service



Ratings — kva — .025 through 3, single-phase. Frequency — 50/60 Hertz.

Insulation System — 50C rise insulation system on units up through 200 va. 115C rise insulation system on units 250-3000 va.

Application — Transformers rated 2 kva and below are designed to Step Down service only. If transformers are for Step Up service, the order must so specify.

Installation — U.L. listed for indoor installation; also suitable for outdoor installation. Open-end slot on bottom, two slots on top for mounting on walls or panels.

GE Numbers	Jefferson Numbers	Hevi-Duty Numbers	Sorgel Numbers	KVA	Approx. Dimens. Inches Height	Width	Depth	Each
9T51Y1	.....	.....	25SV1B	.025	6⅜	3⅞	3	$8.14
9T51Y2	240-201	*P1A50	50SV1B	.050	6⅝	3⅞	3	9.33
9T51Y3	240-211	*P1A75	75SV1B	.075	7⅛	3⅞	3	10.90
9T51Y4	220-021-001	*P1A100	100SV1B	.100	6⅜	3⅞	3⅝	11.91
9T51Y5	220-031-001	*P1A150	150SV1B	.150	7¼	3⅞	3⅝	14.03
9T51Y6	.....	.....	200SV1B	.200	7½	3⅞	3⅝	15.48
9T51Y7	221-041	*P1A250	250SV1B	.250	7½	3⅞	3⅝	16.82
9T51Y8	221-051	P1F500	500SV1B	.500	8⅛	4¾	4⅛	23.72
9T51Y9	221-061	P1F750	750SV1B	.750	8⅞	4¾	4⅛	29.84
9T51Y10	221-071	HS1F1	1S1F	1	9⅝	5½	4⅞	38.28
9T51Y11	221-081	HS1F1.5	1.5S1HF	1.5	11⅛	5½	4⅞	46.69
9T51Y12	221-091	HS1F2	2S1HF	2	12⅝	5½	4⅞	56.63
9T51Y13	221-2102	HS1F3	3S1HF	3	13	6⅛	5½	79.17

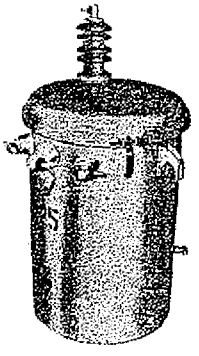
*Rated 50/60 Hertz—240x480 volts—120/240 volts.

GENERAL ELECTRIC CONVENTIONAL DISTRIBUTION TRANSFORMERS

Single-phase, Type HS | 500 Kva and Below | 19.9 Kv and Below | 60 Hertz

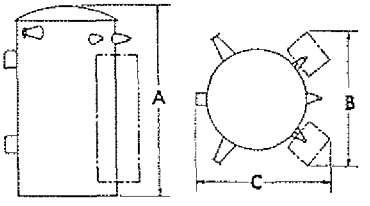
General Electric PERMALEX® II distribution transformers are small, lightweight, efficient, low in total owning cost, and conform to the latest USASI and NEMA standards. They feature a Melalast cover finish, an insulating material which prevents outages caused by birds and squirrels coming in contact with a line terminal and the cover. It is applied to the main and handhole covers and to the clamping band.

The conventional Type HS, single-phase, pole-mounted transformer is offered in ratings of 5 kva to 500 kva with voltages from 2400/4160Y volts to 34,500 GrdY/19,920. One and two high-voltage-bushing designs are available.

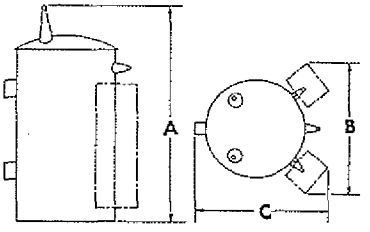


Typical Type HS transformer with high-voltage rating above 5000 volts

DIMENSIONS



Type HS with h-v rating below 5000 volts



Type HS with h-v rating above 5000 volts

Kva (Cont 65 C Rise)	Cat. No.	List Price, Each	Approx Net Wt (Lb)	Approx Dim. Inches A	B	C
2400/4160Y TO 120/240. NO TAPS (2) H-V BUSHINGS						
5	2701AB6505	$108	155	24	22	19
10	2701AB7110	154	215	24	22	20
15	2701AB7115	211	260	26	22	20
25	2701AB7125	265	375	27	26	24
37.5	2701AB7137	370	570	30	27	27
50	2701AB7150	418	645	33	27	27
75	2701AB7175	616	870	41	30	30
100	2701AB7180	729	1010	46	34	30
167	2701AB8083	1091	1330	44	31	30
2400/4160Y TO 120/240. TAPS: (4) 2½ % BELOW (2) H-V BUSHINGS						
10	2701AC6510	$172	215	24	22	20
15	2701AC6515	235	260	26	22	20
25	2701AC6525	295	375	27	26	24
37.5	2701AC6537	412	570	30	27	27
50	2701AC6550	465	645	33	27	27
75	2701AC6575	685	870	41	30	30
100	2701AC6580	810	1010	46	34	30
167	2701AC8083†	1200	1330	44	31	30
250	2701AD8485†	1635	1680	48	37	35
333	2701AD8487†	1951	2140	52	37	36
500	AG22B22CA000	2570	3000	58	50	43
2400/4160Y TO 240/480. TAPS: (2) 2½ % ABOVE AND BELOW (2) H-V BUSHINGS						
10	2708AD6510	$172	215	24	22	20
15	2708AD6515	235	260	26	22	20
25	2708AD6525	295	380	27	26	23
37.5	2708AD6537	412	570	30	27	27
50	2708AD6550	465	645	33	27	27
75	2708AD6575	685	850	41	30	30
100	2708AD6580	810	990	46	34	30
167	2708AD8083	1145	1320	44	31	30
250	2708AD8485	1565	1650	48	37	33
333	2708AD8487	1858	2090	52	35	36
500	AG22B22CG000	2460	2950	58	44	39
7200/12,470Y TO 120/240. NO TAPS (2) H-V BUSHINGS						
5	5501AB2505	$108	165	30	17	19
10	5501AB2510	154	230	31	18	20
15	5501AB2515	211	270	34	18	20
25	5501AB2525	265	395	36	21	24
37.5	5501AB2537	370	575	38	23	27
50	5501AB2550	418	660	44	23	27
75	5501AB2575	616	910	49	30	30
100	5501AB2580	729	1050	54	30	30
167	5501AB3583	1091	1330	52	31	30
7200/12,470Y TO 120/240. TAPS: (4) 2½ % BELOW (2) H-V BUSHINGS						
5	5501AC2505	$120	165	30	17	19
10	5501AC2510	172	230	31	18	20
15	5501AC2515	235	270	34	18	20
25	5501AC2525	295	395	36	21	24
37.5	5501AC2537	412	575	38	23	27
50	5501AC2550	465	660	44	23	27
75	5501AC2575	685	910	49	30	30
100	5501AC2580	810	1050	54	30	30
167	5501AC4083	1200	1330	52	31	30
250	5501AD4885†	1635	1680	54	37	35
333	5501AD4887†	1951	2140	58	38	36
500	AG22F12CA000	2570	3000	64	50	43
7200/12,470Y TO 240/480. TAPS: (2) 2½ % ABOVE AND BELOW (2) H-V BUSHINGS						
10	5508AD2510	$172	230	31	18	20
15	5508AD2515	235	270	34	18	20
25	5508AD2525	295	400	36	21	23
37.5	5508AD2537	412	575	38	23	27
50	5508AD2550	465	660	44	23	27
75	5508AD2575	685	895	49	30	30
100	5508AD2580	810	1030	54	30	30
167	5508AD4083	1145	1320	52	31	30
250	5508AD4885	1565	1850	54	37	33
333	5508AD4887	1868	2080	58	38	36
500	AG22F12CG000	2460	2950	64	44	39
7200/12,470Y TO 2400/4160Y. TAPS: (2) 2½ % ABOVE AND BELOW (2) H-V BUSHINGS						
50	5525AD1550	$465	660	44	24	27
100	5525AD1580	810	1050	54	30	30
167	5525AD1583	1091	1320	52	31	30
250	5525AD1585	1398	1640	54	37	33
333	5525AD1587	1665	2070	58	38	36
500	AG22F12CU000	2197	2950	64	44	39
7620/13,200Y TO 120/240. NO TAPS (2) H-V BUSHINGS						
5	5901AB2505	$108	165	30	17	19
10	5901AB2510	154	230	31	18	20
15	5901AB2515	211	270	34	18	20
25	5901AB2525	265	395	36	21	24
37.5	5901AB2537	370	575	38	23	27
50	5901AB2550	418	660	44	23	27
75	5901AB2575	616	910	49	30	30
100	5901AB2580	729	1050	54	30	30
167	5901AB3583	1091	1330	52	31	30

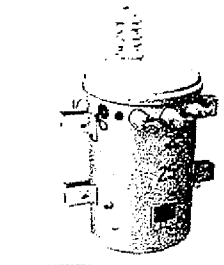
† These transformers have two 2½% taps above and below.

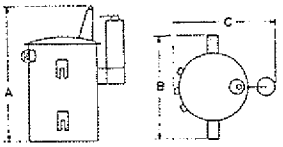
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC REC DISTRIBUTION TRANSFORMERS

Single-phase — 60 Hertz
50 Kva and Below — 15 Kv and Below

Type HSBA, Self-protected
One H-V Bushing, Class "B-3"

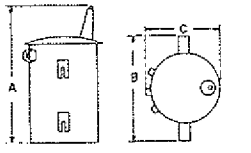




Kva (Cont 65° C Rise)	Cat. No.	List Price, Each	Approx Net Wt (Lb)	Approx Dim. Inches A	B	C
12,470GRDY/7200 TO 120/240, NO TAPS—(1) 9-KV ARRESTER						
5	6801BX0505	$138	180	30	20	21
7.5	6801BX0507	150	180	31	20	21
10	6801BX0510	182	225	31	22	23
	6801BX2410*	184	225	31	22	23
15	6801BX0515	248	275	34	22	23
	6801BX2415*	242	275	34	22	23
25	6801BX0525	302	395	36	25	26
	6801BX2425*	295	395	36	25	26
12,470GRDY/7200 TO 120/240, TAPS: (4) 2½% BELOW—(1) 9-KV ARRESTER						
5	6801BL0505	$138	180	30	20	21
7.5	6801BL0507	195	180	31	20	21
10	6801BL0510	209	225	31	22	23
	6801BL2410*	202	225	31	22	23
15	6801BL0515	272	275	34	22	23
	6801BL2415*	265	275	34	22	23
25	6801BL0525	332	395	36	25	26
	6801BL2425*	325	395	36	25	26
13,200GRDY/7620 TO 120/240, NO TAPS—(1) 10-KV ARRESTER						
5	7401BM0505	$138	180	30	20	21
7.5	7401BM0507	180	180	31	20	21
10	7401BM0510	191	225	31	22	23
15	7401BM0515	248	275	34	22	23
25	7401BM0525	302	395	36	25	26
13,200GRDY/7620 TO 120/240, TAPS: (2) 2½% ABOVE AND BELOW—(1) 10-KV ARRESTER						
5	7401BM0505	$158	180	30	20	21
7.5	7401BM0507	195	180	31	20	21
10	7401BM0510	209	225	31	22	23
15	7401BM0515	272	275	34	22	23
25	7401BM0525	332	395	36	25	26

*Furnished without signal light.

Type HSCA, Self-protected
One H-V Bushing



Kva (Cont 65° C Rise)	Cat. No.	List Price, Each	Approx Net Wt (Lb)	Approx Dim. Inches Af	B	C
12,470GRDY/7200 TO 120/240, NO TAPS—FLIPPER AND FUSE—(1) 9-KV ARRESTER						
5	6801BA0505	$126	150	30	20	21
7.5	6801BA0507	160	165	31	20	21
10	6801BA0510	172	270	31	22	22
15	6801BA0515	229	270	33	22	22
25	6801BA0525	285	350	35	25	26
37.5	6801BA0537	388	570	38	28	29
50	6801BA0550	426	635	47	28	34
13,200GRDY/7620 TO 120/240, NO TAPS—FLIPPER AND FUSE—(1) 10-KV ARRESTER						
5	7401BA0505	$126	150	30	20	21
7.5	7401BA0507	160	165	31	20	21
10	7401BA0510	172	220	31	22	22
15	7401BA0515	229	270	33	22	22
25	7401BA0525	285	350	35	25	26
37.5	7401BA0537	388	570	38	28	29
50	7401BA0550	426	635	47	28	34

†"A" dimension is increased approx. 10 in. when fuse is in place, and approx. 14 in. when flipper is fully extended.

GENERAL ELECTRIC TYPE HR AUTOMATIC CIRCUIT RECLOSERS

2,400-24,900 VOLTS (LINE-TO-LINE).
60 HERTZ—SINGLE- AND THREE-PHASE



These reclosers provide over-current protection for rural and suburban distribution systems. They are designed for dependable year-round co-ordination between reclosers in series; and between reclosers and sectionalizers, sectionalizing fuses, branch fuses, and external or internal transformer fuses.

The rating of the recloser to be used is based primarily on normal load and maximum short-circuit current at the point of application.

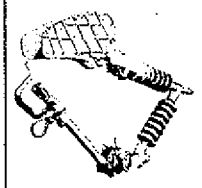
The continuous current rating of the recloser should at least equal the normal load current. It is preferable to select a rating approximately ½ higher than the load current to allow for future load growth. Reclosers have no overload rating and should not be applied beyond their continuous current rating.

Nominal Load Ratings Amp	Interrupting Rating Rms Amp Sym	Tripping Sequence* 2 Fast—2 Retarded (B Curve)	2 Fast—2 Extra Retarded (C Curve)	List Price, Each
		Model Number		
Single-Phase, 50-Ampere Frame—14.4 KV—95 KV BIL				
5	125	9F91BBN104	9F91BBN204	$197
10	250	9F91BCN104	9F91BCN204	
15	375	9F91BDN104	9F91BDN204	
25	625	9F91BEN104	9F91BEN204	
35	875	9F91BFN104	9F91BFN204	
50	1250	9F91BHN104	9F91BHN204	
Single-Phase, 100-Ampere Frame—14.4 KV—110 KV BIL				
5	200	9F91DBN103	9F91DBN203	$246
10	400	9F91DCN103	9F91DCN203	
15	600	9F91DDN103	9F91DDN203	
25	1000	9F91DEN103	9F91DEN203	
35	1500	9F91DFN103	9F91DFN203	
50	2000	9F91DHN103	9F91DHN203	
70	2800†	9F91DKN103	9F91DKN203	
100	2800†	9F91DLN103	9F91DLN203	

Nominal Load Ratings Amp	Interrupting Rating Rms Amp Sym	Tripping Sequence* 2 Fast—2 Retarded (B Curve)	2 Fast—2 Extra Retarded (C Curve)	2 Fast—2 Steep Retarded (D Curve)	List Price, Each
		Model Number			
Single-Phase, 280-Ampere Frame—14.4 KV—110 KV BIL					
25	1500	9F91KEN103	9F91KEN203	9F91KEN303	$386
35	2100	9F91KFN103	9F91KFN203	9F91KFN303	
50	3000	9F91KHN103	9F91KHN203	9F91KHN303	
70	4000	9F91KKN103	9F91KKN203	9F91KKN303	
100	4000‡	9F91KLN103	9F91KLN203	9F91KLN303	
140	4000‡	9F91KMN103	9F91KMN203	9F91KMN303	
200	4000‡	9F91KNN103	9F91KNN203	9F91KNN303	
280	4000‡	9F91KPN103	9F91KPN203	9F91KPN303	
Single-Phase, 100-Ampere Frame—24.9 KV—150 KV BIL					
5	200	9F91MBN104	9F91MBN204		$373
10	400	9F91MCN104	9F91MCN204		
15	600	9F91MDN104	9F91MDN204		
25	1000	9F91MEN104	9F91MEN204		
35	1400	9F91MFN104	9F91MFN204		
50	2000	9F91MHN104	9F91MHN204		
70	2500	9F91MKN104	9F91MKN204		
100	2500	9F91MLN104	9F91MLN204		

*For other tripping sequences, consult your GE Supplier.
‡Maximum interrupting rating at 2400 and 4800 volts is 6800 amperes sym.
†Maximum interrupting rating at 2400 and 4800 volts is 2800 amperes sym for 70-ampere coil and 2900 amperes sym for 100-ampere coil.

GENERAL ELECTRIC DURABUTE® LOADBREAKER



The Durabute Loadbreaker provides the ideal means of breaking load current where and when it is required. It does not break the fuse link, does not require a special switch-stick to make it operate; all that is required is a standard switch-stick inserted in the fuseholder eye ring and the standard opening downward pull. The loadbreaker is rated 15 kv, 200 amp for 200 operations. The arc chute is acetal co-polymer, and the unit is a standard skygray color.

Current Rating, Amp	Current Interrupting Rating	Description	Model No.	List Price, Each
7.8/13.8Y KV MAX VOLTAGE RATING				
100	5,000	Solid cap	9F34ABR178	$31.50
100	10,000	Expend cap (XHD)	9F34ABS178	31.50
100	10,000	Solid cap	9F34ABT179	34.50
100	20,000	Expend cap (XHD)	9F34ABU178	34.50
200	12,000	Solid cap	9F34ABT289	42.50
200	24,000	Expendable cap	9F34ABU288	42.50
300‡	.....	Blade disconnect	9F34ABV388	34.50
15/26Y KV MAX VOLTAGE RATING				
100	4,000	Solid cap	9F34ACR178	$35.50
100	8,000	Expend cap (XHD)	9F34ACS178	35.50
100	8,000	Solid cap	9F34ACT178	40.50
100	16,000	Expend cap (XHD)	9F34ACU178	40.50
200*	12,000	Solid cap	9F34ACT288	46.00
200*	20,000	Expendable cap	9F34ACU288	46.00
300*	.....	Blade disconnect	9F34ACV388	35.50

*16.0 Kv only.
†Maximum momentary—20,000 amperes.

GENERAL ELECTRIC INSTRUMENT TRANSFORMERS


Type JCH-O

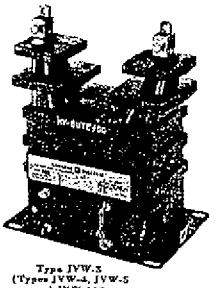

Type JCW-O


Type JAK-O

Type	Current Ratio, Amperes, Primary: Secondary	Volts	Cat. No.	List Price, Each
Indoor Transformer, Window-type				
JCH-O	200:5	600	631X29	$18.00
JAB-O†	400:5	600	755X36G4	75.00
JAD-O	1500:5	600	750X20G18‡	78.50
Indoor Transformer, Bar-primary-type with Base				
JCT-O	200:5	600	750X23G11‡	$25.10
Indoor-Outdoor Transformers, Window-type with Base				
JCW-O	200:5	600	750X32G21‡	$33.00
JAK-O	200:5	600	750X33G31‡	$4.00
Outdoor Transformers				
JKW-3	100:5	5000	693X79	$199.00
JKW-4	100:5	8700	640X19	260.00
JKW-5	100:5	15000	638X79	335.00
JKW-110§	100:5	15000	755X51G10‡	310.00

POTENTIAL TRANSFORMERS

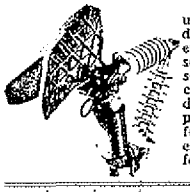

Type JVA-O


Type JVW-3
(Types JVW-4, JVW-5 and JVW-110 are similar in appearance.)

Type	Transformer Rating† Primary Voltage	Ratio	Cat. No.	List Price, Each	Application Circuit Voltage Line-to-Line	Application Permissible Transformer Primary Connection
Indoor-Outdoor Transformer						
JVA-O	480	4:1	700X34G6	$85.50	480	△ or Y
Outdoor Transformers						
JVW-3	2400	20:1	680X1	$209.00	2400	△ or Y
JVW-4	7200	60:1	685X55	341.00	7200	△ or Y
JVW-5	14400	120:1	685X59	395.00	14400	△ or Y
JVW-110	14400	120:1	765X31G4‡	359.00	14400	△ or Y

† For continuous operation, the transformer primary-voltage rating should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary-voltage rating. It is recommended that the system line-to-line voltage not exceed the transformer insulation-class voltage.
‡ For use on pad-mounted distribution transformers.
§ For metering applications only.

GENERAL ELECTRIC DURABUTE® SECTIONALIZER



The Durabute Sectionalizer is a unique product that utilizes the design of the Durabute loadbreaker frame to hold the "oil-free" sectionalizer. It is a self-contained solenoid coil with a device to count recloser operations, and a dropout trip mechanism. The unit performs the basic sectionalizer function of opening a faulted lateral, preventing loss of a complete feeder.

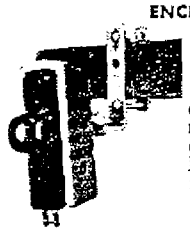
Max Design Voltage†	Cont. Coil Rating Amp	Coil Pick-up Amp	Momentary and Making Current Amp	1-sec Rating Amp	10-sec Rating Amp	Cat. No. (3 Count)	List Price, Each
14.4/8.3 Kv	10	16	1,600	400	125	9F41ACA201	$125.00
	15	24	2,400	600	190	9F41ACB201	125.00
	25	40	4,000	1,000	325	9F41ACC201	125.00
26/15 Kv	35	56	6,000	1,500	600	9F41ACD201	125.00
	50	80	7,000	2,000	1,000	9F41ACE201	125.00
	70	112	8,000	3,000	1,400	9F41ACF201	125.00
	100	160	8,000	4,500	2,000	9F41ACG201	125.00
	140	225	8,000	6,000	2,500	9F41ACH201	125.00
	200	320	10,000	6,500	3,000	9F41ACJ201	125.00

†Non-loadbreak sectionalizers are available with voltage ratings to 27 kv.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC CUTOUTS AND LIGHTNING ARRESTERS

ENCLOSED FUSE CUTOUTS



These enclosed cutouts are for overcurrent protection and switching of primary power systems where porcelain enclosure of live parts is desirable. Doors of same current and voltage rating are interchangeable.

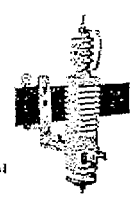
Operating Function	Current Rating Amperes 100% Basis	Current Interrupting Rating Rms Asym Amperes at 60 Hertz	Model No.*	Each
50 AMPERES—5.2-KV MAXIMUM				
Indicating or Dropout—Normal Duty (Field Convertible)	50	2000 @ 5.2 kv 3000 @ 2.6 kv	9F36DAA001	$17.35
Indicating Only—Heavy Duty	50	5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DAF001	17.35
Dropout Only—Heavy Duty	50	5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DAG001	17.35
Disconnect	100	.....	9F36DAM101	17.35
50 AMPERES—7.8-KV MAXIMUM				
Indicating or Dropout—Normal Duty (Field Convertible)	50	2000	9F36DBA001	$18.50
Indicating Only—Heavy Duty	50	4000 @ 7.8 kv 5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DBF001	18.50
Dropout Only—Heavy Duty	50	4000 @ 7.8 kv 5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DBG001	18.50
Disconnect	100	.....	9F36DBM101	18.50
100 AND 200 AMPERES—5.2-KV MAXIMUM				
Indicating or Dropout—Heavy Duty (Field Convertible)	100	5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DAE101	$19.05
Indicating Only—Heavy Duty	100	5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DAF101	19.05
Dropout Only—Heavy Duty	100	5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DAG101	19.05
Disconnect	200	.....	9F36DAM201	19.05
100 AMPERES—7.8-KV MAXIMUM				
Indicating or Dropout—Heavy Duty (Field Convertible)	100	4000 @ 7.8 kv 5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DBE101	$20.65
Indicating Only—Heavy Duty	100	4000 @ 7.8 kv 5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DBF101	20.65
Dropout Only—Heavy Duty	100	4000 @ 7.8 kv 5000 @ 5.2 kv 8000 @ 2.6 kv	9F36DBG101	20.65
Disconnect	200	.....	9F36DBM201	20.65

* Includes EEI-NEMA Standard mounting bracket.

THYRITE® MAGNE-VALVE DISTRIBUTION ARRESTERS



With disconnector



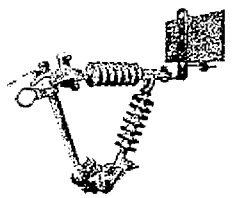
With external gap

For lightning and surge protection of distribution transformers, regulators, capacitors, cables, and other apparatus on distribution circuits. Magne-valve action limits voltage stresses to values far below the apparatus impulse-test levels, and prevents system short circuits or outages as the result of lightning discharges. Both types come with standard EEI-NEMA mounting bracket.

Arrester Rating (Kv)	With Disconnector		With External Gap*	
	Model No.	Each	Model No.	Each
3	9LA23AAA101	$11.00	9LA21BAA101	$11.50
6	9LA22AAB101	13.00	9LA21BAB101	13.50
9	9LA22AAC101	15.25	9LA21BAC101	16.00
10	9LA22AAD101	15.75	9LA21BAD101	16.50
12	9LA22AAE101	20.00	9LA21BAE101	21.00
15	9LA22AAF101	24.00	9LA21BAF101	25.00
18	9LA22AAG101	29.50	9LA21BAG101	31.00
21	9LA22AAH101	33.50	9LA21BAH101	35.00

*Arrester gap setting for 0-6000 feet applications. For higher altitudes, contact your GE Supplier.

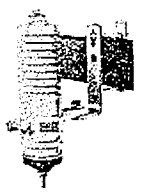
DURABUTE® OPEN DROPOUT FUSE CUTOUTS



Durabute open dropout cutouts represent a major advance, and are notable for their unique triangular design and utilization of two Hy-Bute/60® insulators molded on a glass-fiber epoxy core. They eliminate porcelain breakage, provide 40% lighter weight, 40% improved strike and creep, nontracking insulators, and 95% less leakage current under wet contamination.

Current Rating, Amp	Current Interrupting Rating	Description	Model No.	Each
7.8/13.5Y KV MAX VOLTAGE RATING				
100	5,000	Solid cap	9F34ABA101	$24.50
100	10,000	Expendable cap (HD)	9F34ABM101	24.50
100	10,000	Solid cap	9F34ABB109	27.50
100	20,000	Expendable cap (XHD)	9F34ABC128	27.50
200	12,000	Solid cap	9F34ABB209	35.50
200	24,000	Expendable cap	9F34ABC228	35.50
300*	....	Blade disconnect	9F34ABD361	24.50
15/26.0Y KV MAX VOLTAGE RATING†				
100	4,000	Solid cap	9F34ACA128	$28.50
100	8,000	Expendable cap (HD)	9F34ACM128	28.50
100	8,000	Solid cap	9F34ACB109	33.50
100	16,000	Expendable cap (XHD)	9F34ACC128	33.50
200	10,000	Solid cap	9F34ACB209	39.00
200	20,000	Expendable cap	9F34ACC228	39.00
300	....	Blade disconnect	9F34ACD361	28.50

FORM 28 THYRITE® MAGNE-VALVE DISTRIBUTION-CLASS ARRESTERS



These Form 28 arresters provide the most economical protection for dry-type transformers and small a-c motors and generators. The Form 28 is a directly connected unit, normally furnished with a ground-lead disconnector. When protecting small a-c rotating machinery, protection capacitors of suitable voltage ratings should also be used.

Arrester Rating (Kv)	Model No. (EEI-NEMA Brackets Furnished)	Each
3	9L28AFJ101	$13.50
4.5	9L28AFJ601	20.00
6	9L28AFJ201	20.00
7.5	9L28AFJ701	23.75
9	9L28AFJ301	24.75
10	9L28AFJ801	26.00
12	9L28AFJ401	32.00
15	9L28AFJ501	40.00
18	9L28AHJ101	48.50

HOME LIGHTNING PROTECTOR



The Home Lightning Protector is designed to prevent lightning surges entering through the wiring from damaging electrical equipment and appliances. It is a sturdy, weatherproof, service-proven device that can be installed at either the weatherhead or service-entrance box.

UL Listed

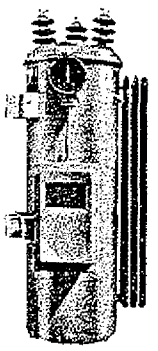
Circuit Rating Volts	Protector Max Permissible Line-to-ground Voltage Rms	Model No.	Each
120/240 Ground Neutral	175	9L15CCB007	$12.00

GENERAL ELECTRIC ML-32 STEP-VOLTAGE REGULATORS

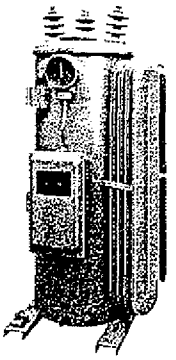
Single-phase 60 Hertz

General Electric ML-32 regulators, the culmination of over 50 years' experience with regulator design, offer accurate, dependable, and economical automatic voltage regulation in ratings particularly suitable for branch and rural circuits.

With the exception of the 13,800-volt ratings, all regulators listed below are insulated for the corresponding Y voltages. When three regulators are operated in a 3-phase, Y-connected bank, the neutral of the regulator bank must be solidly tied to the system neutral.



Pole Type



Station Type

Kva	Cat. No.	Each	Load Amperes at Raise and Lower 10% Regulation	Approx Wt in Lb Including Oil		Gal 10C* Oil† Net at 7.45 Lb per Gal.	Approximate Dimensions Over-all in Inches		Type
				Ship.	Net		Projected Floor Space	Height	
2500 Volts (For 2500, 2400-Volt Circuits) (4330Y Volts) (60 Kv BIL)									
25	29D1800‡	$1723	100	1105	1005	53	23.5 x 2.75	61	Pole
50	29D1802‡	2073	200	1440	1340	66	26.5 x 35	68.5	Pole
75	29D1804‡	2419	300	1675	1575	68	30 x 33	68.5	Pole
100	29D1805	2771	400	2325	2225	100	31.5 x 40	77.5	Station
125	29D1806	3124	500	2615	2515	98	37 x 34.5	79.5	Station
167	29D1807	3711	668	2615	2515	98	37 x 34.5	79.5	Station
250	29D1836	4874	1000	4800	4700	180	39 x 42.5	123	Station
333	29D1838	6037	1332	5500	5340	185	41 x 44.5	132	Station
416.3	29D1839	7203	1665	5500	5340	185	41 x 45.5	132	Station
5000 Volts§ (For 5000, 4800, 4330, 4160, 2500, 2400-Volt Circuits) (8660Y Volts) (75 Kv BIL)									
25	29D1810‡	$1723	50	1105	1005	53	23.5 x 27.5	61	Pole
50	29D1811‡	2073	100	1290	1190	50	23.5 x 31	64	Pole
100	29D1814‡	2771	200	1890	1790	80	33 x 39	71.5	Pole
125	29D1815	3124	250	2025	1925	70	31.5 x 32	74.5	Station
167	29D1816	3711	334	2730	2630	106	31.5 x 40	81.5	Station
250	29D1846	4874	500	3600	3490	112	44 x 42	85	Station
333	29D1848	6037	666	3600	3490	112	44 x 42	85	Station
416.3	29D1849	7203	833	⊕	⊕	⊕	⊕	⊕	Station
7620 Volts¶ (For 13,800Y/7960, 13,200Y/7620, 12,470Y/7200, 11,900Y/6900-Volt Circuits) (95 Kv BIL)									
19.1	29D1820‡	$1739	25	1105	1005	53	23.5 x 27.5	61	Pole
38.1	29D1821‡	1962	50	1290	1100	58	23.5 x 27.5	64	Pole
67.2	29D1822‡	2189	75	1380	1280	66	29.5 x 35	64	Pole
76.2	29D1823‡	2412	100	1490	1390	55	29.5 x 35	67	Pole
114.3	29D1824#	2863	150	1945	1845	98	34 x 35	69	Pole & Station

Note: The control cabinet is designed to permit mounting either on the regulator or separately.

† All Type ML-32 regulators are shipped oil-filled.

‡ These regulators have provisions for direct-to-pole, platform, or crossarm mounting. For crossarm mounting suspension hooks will be required and may be obtained from hardware manufacturer.

§ All standard 5000-volt regulators are furnished with taps in the control circuit to operate at 2500 and 4330 volts at rated current. No reduction in price for the omission of this feature.

*Registered trade-mark of General Electric Company.

¶ All standard 7620-volt regulators can be operated at 7960, 7620, 7200, 6900, 5000, 4330, and 2500 volts at rated amperes. Shipped connected for 7200-volt operation.

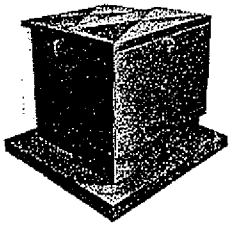
⊕ For weights and dimensions contact your GE Supplier.

For direct-to-pole mounting of this regulator, adapter plate Cat. No. 3901A389P31 is required and will be furnished without additional charge if ordered with the regulator.

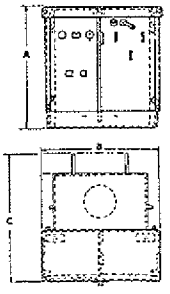
GENERAL ELECTRIC LO-PROFILE™ II PAD-MOUNTED TRANSFORMERS

Single-phase, Type HSB 100 Kva and Below 15 Kv and Below 60 Hertz

(Dead-front design) with internal four-position loop-feed/load-break switch, high-voltage oil-immersed fuse, secondary breaker (less signal light) and two Elastimold† bushings



DIMENSIONS



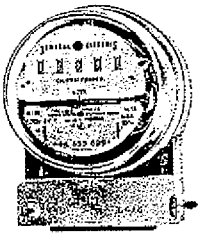
Kva (Cont 65 C Rise)	Cat. No.	Each		Approx Net Wt. (Lb)	Approx Dim. (In.)		
		Enst'n Zone	West'n Zone		A	B	C
4160 Grd Y/2400 TO 240/120. NO TAPS							
15	3507PK8515	$649	$661	820	33.5	33.6	31.4
25	3507PK8525	675	687	850	33.5	33.6	31.4
37½	3507PK8537	770	784	880	33.5	33.6	33.5
50	3507PK8550	826	841	930	33.5	33.6	33.5
75	3507PK8575	1091	1111	1140	33.5	33.6	44.4
100	3507PK8580	1283	1307	1280	33.5	33.6	44.4
12,470 Grd Y/7200 TO 240/120. NO TAPS							
15	6807PK8515	649	661	820	33.5	33.6	31.4
25	6807PK8525	675	687	850	33.5	33.6	31.4
37½	6807PK8537	770	784	880	33.5	33.6	33.5
50	6807PK8550	826	841	930	33.5	33.6	33.5
75	6807PK8575	1091	1111	1140	33.5	33.6	44.4
100	6807PK8580	1283	1307	1280	33.5	33.6	44.4

SINGLE-PHASE, SINGLE-STATOR, 60-HERTZ

Types I-70, I-55 and I-50



Type I-70-S



Type I-55-A

The single-phase Types I-70, I-55 and I-50 watthour meters include models which meet all single-phase metering needs. Each of these meters incorporates magnetic suspension bearings, surge relief, rigid permanent assembly, and long-term sustained accuracy.

Both the I-55 and the new TRIM-PROFILE I-70 meters are sealed against entrance of dust, insects, and other maintenance-causing contaminants, thus offering virtually maintenance-free performance for the life of the meter.

Approximate shipping weights: for "S" type, 5 lb.; for "A" type, 6 lb.

Meter	Class	Test Amp	Dials	With Pointer-type Register	Each	With Cyclometer Register	Each
240-Volt, 3-Wire, Self-Contained Meters							
I-70	200	30	5	720X70G1§	$16.00	720X70G16§	$17.86
I-55	100	15	5	639X60†	19.79	720X6G18†	21.83
Universal 120/240-Volt, 2/3-Wire Meters (Internally Reconnectable)							
I-55	100	15	5	644X70§	$18.48	720X5G24§	$20.47
I-55	100	15	5	644X73†	21.15	720X6G19†	23.19
120-Volt, 2-Wire, Self-Contained Meters							
I-55	100	15	4	720X5G35§	$17.07	720X5G36§	$19.11
I-56	100	15	4	720X6G34†	19.79	720X6G39†	21.83

§Socket-connected ("S" type).
†Bottom-connected ("A" type).

Meters for Use with Instrument Transformers

Volts	Test Amp	Circuit Rating	I-50-S* Cat. No.	Each	I-50-A Cat. No.	Each
120	2.5	2-wire	627X31	$20.06	627X27	$22.78
240	2.5	3-wire‡	627X33	20.06	627X29	22.78
240	2.5	3-wire	629X33	20.06	627X30	22.78

* Requires a socket with circuit-closing device.
‡ 2-wire meter for use with a 3-wire current transformer.

POLYPHASE, TWO-STATOR, 3-WIRE, 60-HERTZ



Type V-62-S

TYPE V-62-S

Type V-62-S 240-volt and 480-volt meters for 3-wire, 3-phase circuits are rated for service installations of 100 or 200 amperes when used with appropriate 5-jaw sockets. The 120-volt meters are for 3-wire, 120/208-volt network service, 100 or 200 amperes.

Approximate shipping weight, 10 lb.

Type V-62-S Meters with 5-Dial x1 Registers¶

Ampere Class	Test Amp	Circuit	Volts	Cat. No.	Each
100	15	3-wire, 3-phase	240	700X1G10	$39.44
			480	700X1G12	50.32
200	30	3-wire, 3-phase	240	700X1G11	53.04
			480	700X1G13	63.92
100	15	3-wire, network	120/208	700X1G8	30.44

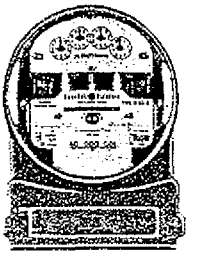
¶4-dial x10 registers are optional. Specify if desired.

POLYPHASE, TWO-STATOR, 3-WIRE, 60-HERTZ

Types V-63-S and V-63-A



Type V-63-S



Type V-63-A

Type V-63 meters in both self-contained and transformer ratings are intended for use on 3-wire, 1-, 2-, or 3-phase circuits. Transformer-rated meters are provided with potential-indicating lamps.

For self-contained, socket-connected applications, the Type V-62-S meter is recommended for greater economy.

Approximate shipping weights: for "S" type, 10 lb.; for "A" type, 13 lb.

Volts	Test Amp	Type V-63-S Cat. No.	Type V-63-S Each	Type V-63-A Cat. No.	Type V-63-A Each	Volts	Type V-63-S Cat. No.	Type V-63-S Each	Type V-63-A Cat. No.	Type V-63-A Each
240	15	.....	.....	700X13G2	$52.36	480	.....	.....	700X13G4	$63.24
	30	.....	.....	700X13G3	65.96		.....	.....	700X13G5	76.84

For Use With Instrument Transformers

120	2.5	700X8G1†	$53.72	700X14G1	$58.80	240	700X8G6†	$53.72	700X14G6	$58.80
480	2.5	700X8G10†	64.60	700X14G12	68.68	600	700X8G15†	67.32	700X14G17	71.40

† Requires an 8-jaw socket with circuit-closing device.

POLYPHASE, TWO-STATOR, 4-WIRE Y, 60-HERTZ

TYPES V-65-S AND V-65-A

This meter has two potential circuits and three current circuits and is intended for use on 4-wire Y, 3-phase circuits. In external appearance, it is like the Type V-63 meter.

Volts	Test Amp	Type V-65-S Cat. No.	Type V-65-S Each	Type V-65-A Cat. No.	Type V-65-A Each
120Y	15	700X22G1	$56.44	700X28G1	$60.52
120Y	30	700X22G9	73.44	700X28G6	77.52

For Use with Instrument Transformers

Volts	Test Amp	Type V-65-S Cat. No.	Type V-65-S Each	Type V-65-A Cat. No.	Type V-65-A Each
120Y	2.5	700X23G1*	$63.24	700X29G1	$67.32

* 13-terminal meter provides separate terminals for all coils (10 terminals) plus contact device (3 terminals) when required. Seven-terminal construction also available. A socket with circuit-closing device is required.

POLYPHASE, TWO-STATOR, 4-WIRE △, 60-HERTZ

TYPES V-66-S AND V-66-A

The Type V-66 meter has two 240-volt potential circuits and three current circuits and is intended for use on 4-wire △, 3-phase circuits. In external appearance it is the same as the Type V-63 meter.

Volts	Test Amp	Type V-66-S Cat. No.	Type V-66-S Each	Type V-66-A Cat. No.	Type V-66-A Each
240	15	700X36G1	$52.36	700X42G1	$56.44
240	30	700X36G8	65.96	700X42G9	70.04

For Use with Instrument Transformers

Volts	Test Amp	Type V-66-S Cat. No.	Type V-66-S Each	Type V-66-A Cat. No.	Type V-66-A Each
240	2.5	700X37G1†	$58.80	700X43G1	$61.88

† 13-terminal meter provides separate terminals for all coils (10 terminals) plus contact device (3 terminals) when required. A socket with circuit-closing device is required.

GENERAL ELECTRIC METER SOCKETS

SOCKETS FOR SINGLE-PHASE AND NETWORK METERS

Ringless Sockets§φ
4-Jaw Steel



Type SI-70
100-ampere socket

Height of Socket (inches)	Threaded Hubs: Size (in.)	Threaded Hubs: No.	Without Circuit-closing Device: Cat. No.	Without Circuit-closing Device: Each
Type SI-70 100-ampere Socket				
8⅜	1¼	1	742X1G12	$4.19
10⅜	1¼	1	742X3G12	4.37

Height of Socket (inches)	Threaded Hubs: Size (in.)	Threaded Hubs: No.	Without Circuit-closing Device: Cat. No.	Without Circuit-closing Device: Each
Type SI-60 200-ampere Socket without Manual By-pass				
12⅜6	2	1	741X7G11	$7.38
14⅜6	2	1	741X8G11	7.91

Height of Socket (inches)	Threaded Hubs: Size (in.)	Threaded Hubs: No.	Without Circuit-closing Device: Cat. No.	Without Circuit-closing Device: Each
Type SI-60 200-ampere Socket with Manual By-pass				
12⅜6	2	1	741X7G26	$10.27
14⅜6	2	1	741X8G26	10.80

† The Type SI-70 ringless sockets shown above can also be used with Type V-62-S network meters by simple insertion of a 5th-jaw assembly Cat. No. 9688A86, $0.80 list, each.

φ UL listed models available upon request.

ANCHOR ELECTRIC METERING PRODUCTS

4 to 5 terminal, mounts outdoor or indoor, surface or flush, galvannealed steel with interchangeable hub or hub plate and SR-2 ring. Standard by-pass arrangements available. U.L. listed.

STANDARD METER SOCKET ACCESSORIES

No. 8855 Fifth terminal $0.75

No.	Size	Each	No.	Size	Each
H1	1" Hub	$0.85	H4	2" Hub	$0.85
H2	1¼" Hub	.85	H5	2½" Hub	1.40
H3	1½" Hub	.85	HP	Hub Plate	.60

100 AMP. METER SOCKETS
For Socket Type Meters

Single Phase Ring Type



SU-9512 $5.45
8" H x 7" W x 3" D

Single Phase Ringless



URS-1004-HO-E $4.95
10" H x 8" W x 3⅛" D

200 AMP. METER SOCKETS
For Socket Type Meters

Single Phase Ring Type



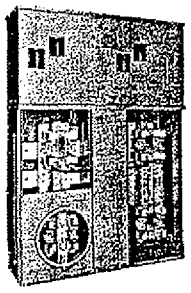
US-1904-HO $10.65
14" H x 8" W x 4⅜" D

Single Phase Underground Ringless



URS-1394 $14.00
14" H x 11" W x 4½" D

MODULAR METER PANELS



100 ampere meter socket rated 600 volt, 4 or 5 terminal, with 2-pole plug-in breaker, vertical meter socket trough, 600 ampere horizontal aluminum main bus, wire bussing from meter socket to breaker, top (specify TBLT) or bottom mounted (specify TBLB), SR-2 ring and tie-bus connection kit.

Matching line of main disconnect switch or breaker, pull boxes and branch breakers, bolt down and fused pullout branch circuits up to 200 ampere are also available.

Dimensions, Inches Depth 6" High	Wide	No. of Loc.	Breaker Box At Top ② Cat. No.	Breaker 15-60 Amp.	70 Amp.	100 Amp.
4 Terminal Meter Socket — 120/240 Volt 1 Phase, 3 Wire						
Single Module						
33	13½	2	TBLTS-264	$57.75	$65.30	$71.30
43	13½	3	TBLTS-364	77.75	91.25	100.45
53	13½	4	TBLTS-464	98.80	116.65	128.50
Double Module						
33	22½	4	TBLT-464	110.70	126.90	138.80
43	22½	5①	TBLT-564	119.20	107.70	173.35
43	22½	6	TBLT-664	147.95	168.50	183.60
53	22½	7①	TBLT-764	187.40	214.90	238.15
53	22½	8	TBLT-864	191.15	223.00	248.40

Dimensions, Inches Depth 6" High	Wide	No. of Loc.	Breaker Box At Top ② Cat. No.	Breaker 15-60 Amp.	70 Amp.	100 Amp.
5 Terminal Meter Socket — 120/208 Volt 3 Phase, 4 Wire						
Single Module						
33	13½	2	TBLTS-265	$64.80	$72.90	$78.85
43	13½	3	TBLTS-365	86.95	101.00	109.10
53	13½	4	TBLTS-465	108.00	125.85	137.70
Double Module						
33	22½	4	TBLT-465	119.90	136.60	148.50
43	22½	5①	TBLT-565	146.35	162.55	175.50
43	22½	6	TBLT-665	159.30	179.80	194.95
43	22½	7①	TBLT-765	200.90	227.90	251.10
53	22½	8	TBLT-865	204.10	236.00	261.35

① Lower right location provided with blank cover.
② Bottom mounted breaker box. Change prefix to "TBLB".

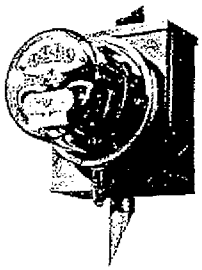
PEDESTAL/METER AND SERVICE PANEL - DIRECT BURIAL (CLASS 1595)

Cat. No.	Description	Each
MP-1S Series		
MP-1S-104-1	(1) 50 amp. 2 pole breaker and 4 wire receptacle	$ 65.00
MP-1S-104-1-20	(1) 50 amp. 2 pole breaker and 4 wire receptacle; (1) 20 amp. plug fuse and duplex receptacle	66.50
MP-1S-104-2	(2) 50 amp. 2 pole breakers and 4 wire receptacle	72.50
MP-1S-104-2-20	(2) 50 amp. 2 pole breakers and 4 wire receptacle; (1) 20 amp. plug fuse and duplex receptacle	74.00

Cat. No.	Description	Each
MP-2S Series		
MP-2S-204-1	(1) 50 amp. 2 pole breaker and 4 wire receptacle, provisions for 150 or 200 amp. main feeder breaker; (2) 4 wire receptacle kits	102.50
MP-2S-204-2	(2) 50 amp. 2 pole breakers and 4 wire receptacle, provision for 150 or 200 amp. main feeder breaker, (1) 4 wire receptacle kit	107.50
MP-2S-204-1-20	(1) 50 amp. 2 pole breaker and 4 wire receptacle; (1) 20 amp. plug fuse and duplex receptacle, provision for 150 or 200 amp. main feeder breaker; (2) 4 wire receptacle kits	106.00

Cat. No.	Description	Each
MP-2S Series		
MP-2S-204-3	(3) 50 amp. 2 pole breakers and 4 wire receptacle, provisions for 150 or 200 amp. main feeder breaker	112.50
MP-2S-204-2-20	(2) 50 amp. 2 pole breakers and 4 wire receptacle; (1) 20 amp. plug fuse and duplex, provisions for 150 or 200 amp. main feeder breaker; (1) 4 wire receptacle kit	111.00
MP-2S-204-3-20	(3) 50 amp. 2 pole breakers and 4 wire receptacle; (1) 20 amp. plug fuse and duplex receptacle, provisions for 150 or 200 amp. main feeder breaker; (1) 4 wire receptacle kit	116.00

BUSADA PLASTIC WATTHOUR METER COVERS



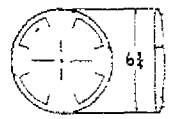
Cuts replacement costs. Constructed of unbreakable clear plastic. Will not shatter.

Withstands rough usage. Has high impact strength. Resists outdoor weathering.

Easier to install — safe to handle.

A seal-tight rim eliminates the use of a gasket. Provision is made for tamper-proof integral locking.

FLAT WATTHOUR METER SOCKET COVERS



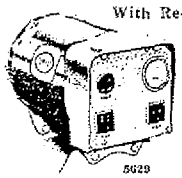
Available in clear butyrate or translucent polyethylene. Fits most standard bases.

Price on Application

GENERAC NIAGARA ALTERNATORS

PULLY DRIVEN ROTATING FIELD ALTERNATORS

With Rectifier Excitation



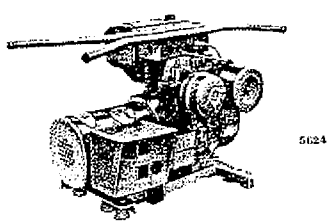
5629

Engines are not attached. All alternators are shipped standard with indicating voltmeter and V belt single groove pulley. Alternators can be driven in either direction.

3600 RPM

Model No.	Watts	Volts	Amps.	Outlets 115V	Outlets 230V	Each
5628	2400	115	20.8	2	..	$129.00
5629	4000	115/230	34.8/17.4	2	1	172.00

MODEL 5624 — 4000 WATT



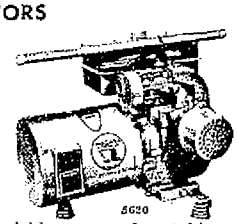
5624

Built to the highest heavy duty standards of design, construction and performance. An extremely rugged unit rated at 4000 watts with a 25% surge capacity and is capable of delivering continuous power at either 115V. or is reconnectable to 230 volts. In modern dripproof design, it offers close voltage control of ±5% and also offers the electric start and battery charging features.

Model No.	Watts	Engine	Volts	Wt. Lbs.	Each
		Manual Start			
5624	4000	Lauson 10 HP	115/230*	160	$405.00
5718	5000	Lauson 12 HP	115/230*	225	485.00
		Electric Start			
5625	4000	Lauson 10 HP	115/230*	168	486.00
5626	5000	Lauson 12 HP	115/230*	225	567.00

*Reconnectable for 230 Volt output.
All electric starts have battery charge feature.

MODEL 5620 — 1500 WATT

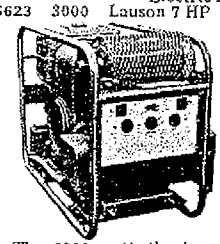


5620

A thrifty, dependable source of portable power. 1500 watts with a 25% reserve surge capacity. Portable at only 60 lbs. it goes anywhere, anytime. Engine is 3.5 HP, 4 cycle with two quart full capacity 2-115V. outlets.

Model No.	Watts	Engine	Volts	Wt. Lbs.	Each
		Recoil Start			
5620	1500	Lauson 3.5 HP	115	60	$172.00
5619	1000	Lauson 3 HP	115	57	150.00
5621	2250	Lauson 5 HP	115	98	221.00
5622	3000	Lauson 7 HP	115	108	277.00
		Electric Start			
5623	3000	Lauson 7 HP	115	108	337.00

MODEL 5627 — 7000 WATT



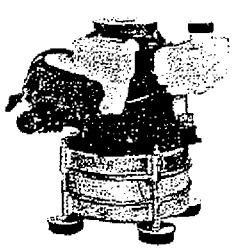
5627

The 7000 watt, the largest unit in the Niagara series, combines many exclusive features, powered by a Wisconsin 14 HP engine, included as a standard feature is automatic oil level control for extended operation with low oil level shut-down. Also included are cradle type mounting, multiple choice receptacle panel with a complete choice of outlets and voltage selector switch for 115/230 volt operation. Alternator is belt driven.

Model No.	Watts	Engine	Volts	Wt. Lbs.	Each
		Manual Start			
5721	7000	Wisconsin 14 HP	115/230	400	$824.00
		Electric Start			
5627	7000	Wisconsin 14 HP	115/230	400	936.00

ZEUS PORTABLE ELECTRIC PLANTS

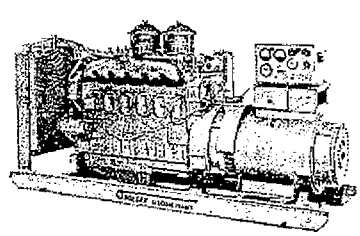
Permanent magnet alternator has only one moving part, guarantees freedom from breakdowns and burnouts ... no brushes, commutators, slip rings. It absorbs extreme surges overloads and starting wattages without damage. Also features float type carburetor, visual fuel gauge (gas only), visual oil indicator, rubber shock absorbing feet, carrying handle, polyurethane air cleaner, forced feed lubrication.



Model No.	Volts	Fuel	Watts	Amps.	AC Cycles	List Each
Z-1250	115	Gasoline	1250	12.0	60	$255.00
Z-1250G	115	LPG	1250	12.0	60	328.00
Z-1276	220	Gasoline	1250	5.7	60	285.00
Z-1276G	220	LPG	1250	5.7	60	355.00
Z-1280	110	Gasoline	1000	9.1	50	285.00
Z-1280G	110	LPG	1000	9.1	50	355.00

Prices shown are List, for appropriate discounts contact your Graybar Office.

HOL-GAR ELECTRIC POWER PLANTS



Diesel Powered — Detroit Diesel Engine

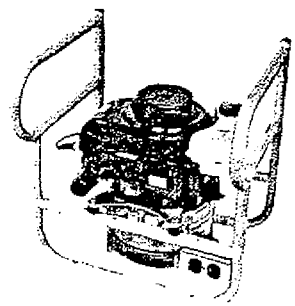
Model No.	Volts	Fuel	Amps.	Phase	List Each
	60 Hz				
H100DWD1R	120/240	Diesel	...	1	$9500.00
H125DWD4R	120/208	Diesel	380	3	9500.00
H125DWD6R	277/480	Diesel	165	3	9500.00

Note: All models rated at 60°F., Sea Level.

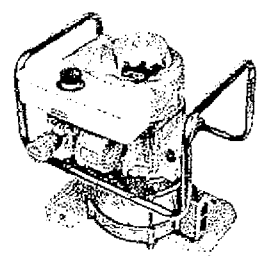
Prices shown are List, for appropriate discounts contact your Graybar Office.

ZEUS PORTABLE ELECTRIC POWER UNITS

Primarily Designed for Public Utility Applications



Model ZA-1250, ZA-1500, ZA2000



Model Z-2000

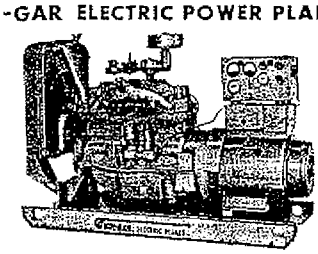
The heart of every Zeus generator is the maintenance-free, heavy-duty Zeus Permanent Magnet Alternator which has only one moving part. Eliminated are brushes, armature windings, slip rings and commutators, major sources of wear and tear that cut the life of old style generators. It also can absorb extreme surge overloads without damage. Because of the alternator, Zeus generators weigh 24% less than comparable old-fashioned electric generators.

All Zeus generators are available with LPG fuel systems.

Standard Equipment includes: Visual Fuel Gauge and Visual Oil Level Indicator, Integral Duplex Receptacle, Carrying Cradle or Frame, Rubber Shock Absorbing Feet, Recoil Starter, Instruction book and a 1 year warranty.

Model No.	Fuel	Watts	List Each
1250 and 2000 Watt AC Continuous Duty Rating			
115 Volts, 60 Cycle, 1 Phase			
ZA-1250	Gasoline	1250	$265.00
ZA-1500	Gasoline	1500	320.00
ZA-2000	Gasoline	2000	450.00
Z-2000	Gasoline	2000	382.00

HOL-GAR ELECTRIC POWER PLANTS



Standard Equipment includes: mounted control panel with ammeter, voltmeter, running time meter, frequency meter, phase selector switch, operation mode switch, start button, oil pressure gauge, water temperature gauge, charging ammeter, voltage adjusting rheostat and convenience duplex receptacle.

Other features include overspeed, high water temp and low oil pressure safety shutdown, remote connection terminals, load terminal board, oil, air and fuel filters, battery cables, battery charging alternator, steel skid, radiator cooled, starter lock out relay and overcrank protection.

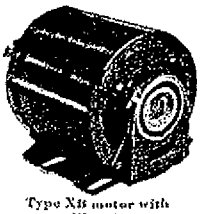
Natural/LPG Gas Powered — Hercules Engine

Model No.	Volts	Fuel	Amps.	Phase	List Each
	60 Hz				
H41.25NWH1R	120/240	LP Gas	...	...	$3750.00
H50NWH4R	120/208	LP Gas	156	3	3750.00
H50NWH6R	277/480	LP Gas	68	3	3750.00

Prices shown are List, for appropriate discounts contact your Graybar Office.

GENERAL ELECTRIC FORM G AND FORM G2 A-C MOTORS

OPEN, SPLIT-PHASE, TYPE XB 60-HERTZ



Type XB motor with resilient base

Features

Shorter, lighter motor with open (dripproof) construction, continuous duty, quiet all-angle sleeve bearings, attractive blue-gray enamel finish, detachable base.

Where to Use

General Purpose Motors—Specially suited for loads which need moderate starting torque (approx 130% of full-load torque). Starting current is normal and meets all electrical codes for automatically controlled devices. Service factors of 1.25 to 1.40 permit motors to handle loads above nameplate rating. This is advantageous if maximum load is doubtful. Typical applications are furnace and air-conditioning fans and blowers, office machines, and similar devices.

Special Service Motors—Can be used on loads requiring moderately high starting torque (approx 200% of full-load torque). They have high starting currents and should be used only on applications where starting is infrequent. Since service factor is 1.0, motors should not be used continuously over rated horsepower. Typical applications are summer cooling fans, evaporative coolers, small drill presses, jig saws, grinders, etc.

Hp	Rpm	Volts §	NEMA Frame	General-purpose, NEMA Service Factors				Special-service, 1.0 Service Factor			
				With Solid Base		With Resilient Base		With Solid Base		With Resilient Base	
				Model No.	List Price, Each	Model No.	List Price, Each	Model No.	List Price, Each	Model No.	List Price, Each
1/8	1725	115	48	5XB1F00D	$23.40	5XB1F00C	$24.40	.....	.....	.....	.....
1/6	1725	115	48	5XB1F00F	23.50	5XB1F00E	24.50	5XB1F00B	$23.40	5XB1F00A	$24.40
1/4	1725	115	48	5XB1G00F	25.50	5XB1G00G	26.50	5XB1G00A	24.40	5XB1G00B	25.40
1/3	1725	115	48	5XB1H02A	30.00	5XB1H00H	31.00	5XB1H00C	27.00	5XB1H00D	28.00
1/2	1725	115	56	.....	.....	5XB1L00B	44.00	.....	.....	5XB1K00D	35.30

§230-volt ratings also available.

GENERAL ELECTRIC TRI-CLAD® 700 LINE POLYPHASE INDUCTION MOTORS

DRIPPROOF AND TOTALLY ENCLOSED FAN-COOLED SUPER-STANDARD MOTORS

Type K, Normal Starting Torque, NEMA Design B—230, 460 Volts*—Class B Insulation, 40 C Ambient

These advanced design motors are manufactured to new NEMA standards, and they offer lighter weight, smaller size, longer bearing life, and a host of other advantages.

Motors in frames 143T through 184T in dripproof and standard enclosed constructions feature precision diecast aluminum frames with integrally cast feet, and cast-iron end shields. They offer excellent corrosion resistance in most industrial atmospheres.

Motors in frames 213T through 447T feature cast-iron frames and end shields and a new Class B insulation system that offers greater moisture resistance and high dielectric strength for long life.





The prices shown apply only to the model numbers given. The only allowable modification is for voltage as explained in the footnote to the table. For any other deviation whatever, and for ratings not included, consult Graybar.

60 Hertz

Hp	Rpm	Dripproof 230,460 Volts* Frame	Model Number Fl Assembly	List Price	Approx FL Amp 460 V	Totally Enclosed Fan-cooled 230,460 Volts* Frame	Model Number Fl Assembly	List Price	Approx FL Amp 460 V
¾	1200	143T¶	5K143AL324	$56.00	1.65	143T¶	5K143BL325	$64.00	1.65
1	1800	143T¶	5K143AL234	49.50	1.7	143T¶	5K143BL250	57.50	1.7
	1200	145T¶	5K145AL314	60.50	1.9	145T¶	5K145BL315	77.50	1.9
1½	3600	143T¶	5K143AL20	52.50	2.2	143T¶	5K143BL30	70.00	2.2
	1800	145T¶	5K145AL248	53.00	2.3	145T¶	5K145BL253	74.50	2.3
	1200	182T¶	5K182AL313	68.00	2.6	182T¶	5K182BL315	88.00	2.6
2	3600	145T¶	5K145AL21	61.50	2.8	145T¶	5K146BL22	82.50	2.8
	1800	145T¶	5K145AL247	57.00	3.1	145T¶	5K146BL254	87.50	3.1
	1200	184T¶	5K184AL313	78.00	3.3	184T¶	5K184BL315	98.00	3.3
3	3600	145T	5K145AL25	70.00	4.1	182T	5K182BL7	94.00	4.8
	1800	182T¶	5K182AL214	66.50	4.8	182T¶	5K182BL218	99.00	4.8
	1200	213T¶	5K213AK306	161.00	5.2	213T¶	5K213BK307	126.00	5.2
5	3600	182T	5K182AL5	83.00	6.7	184T	5K184BL8	117.00	6.9
	1800	184T	5K184AL217	85.00	7.1	184T	5K184BL220	131.00	7.1
	1200	215T¶	5K215AK305	139.00	8.1	215T¶	5K215BK307	194.00	8.1
7½	3600	184T	5K184AL9	98.00	9.8	213T	5K213BK6	146.00	10.4
	1800	213T	5K213AK213	113.00	11.0	213T	5K213BK217	195.00	10.8
	1200	254T	5K254AK305	181.00	11.3	254T	5K254BK305	249.00	11.2
10	3600	213T	5K213AK9	131.00	13.2	215T	5K215BK6	201.00	12.6
	1800	215T	5K216AK214	135.00	13.6	215T	5K215BK216	249.00	13.4
	1200	256T	5K256AK305	229.00	14.8	256T	5K256BK305	308.00	14.8
15	3600	215T	5K215AK9	183.00	19.2	254T	5K254BK106	261.00	18.8
	1800	254T	5K254AK205	180.00	19.3	254T	5K254BK206	318.00	19.0
	1200	284T	5K284AK306	280.00	21.2	284T	5K284BK306	418.00	22.0
	1200	284TS	5K284AK322	280.00	21.2	284TS	5K284BK322	418.00	22.0
20	3600	254T	5K254AK105	238.00	24.5	256T	5K256BK105	358.00	25.6
	1800	256T	5K256AK205	224.00	25.7	256T	5K256BK205	393.00	24.6
	1200	286T	5K286AK305	311.00	28.0	286T	5K286BK305	525.00	29.0
	1200	286TS	5K286AK322	311.00	28.0	286TS	5K286BK322	525.00	29.0
25	3600	256T	5K256AK105	293.00	30.5	284TS	5K284BK105	435.00	30.6
	1800	284T	5K284AK205	267.00	32.0	284T	5K284BK205	482.00	31.2
	1800	284TS	5K284AK222	267.00	32.0	284TS	5K284BK230	482.00	31.2
	1200	324T	5K324AK305	418.00	34.0	324T	5K324BK305	627.00	33.5
	1200	324TS	5K324AK322	418.00	34.0	324TS	5K324BK322	627.00	33.5
30	3600	284TS	5K284AK105	357.00	37.0	286TS	5K286BK106	530.00	36.0
	1800	286T	5K286AK205	306.00	38.3	286T	5K286BK205	571.00	37.4
	1800	286TS	5K286AK222	306.00	38.3	286TS	5K286BK222	571.00	37.4
30	1200	326T	5K326AK305	$478.00	40.7	326T	5K326BK305	$727.00	39.7
	1200	326TS	5K326AK322	478.00	40.7	326TS	5K326BK322	727.00	39.7
40	3600	286TS	5K286AK105	447.00	47.7	324TS	5K324BK105	690.00	51.6
	1800	324T	5K324AK205	397.00	53.0	324T	5K324BK205	753.00	49.0
	1800	324TS	5K324AK230	397.00	53.0	324TS	5K324BK230	753.00	49.0
	1200	364T	5K364AK305	597.00	62.5	364T	5K364BK305	953.00	53.5
	1200	364TS	5K364AK322	597.00	62.5	364TS	5K364BK322	953.00	53.5
50	3600	324TS	5K324AK105	586.00	60.5	326TS	5K326BK105	918.00	61.5
	1800	326T	5K326AK205	463.00	65.0	326T	5K326BK205	894.00	61.0
	1800	326TS	5K326AK222	463.00	65.0	326TS	5K326BK230	894.00	61.0
	1200	365T	5K365AK305	713.00	64.0	365T	5K365BK305	1149.00	66.0
	1200	365TS	5K365AK322	713.00	64.0	365TS	5K365BK322	1149.00	66.0
60	3600	326TS	5K326AK105	711.00	71.0	364TS	5K364BK105	1107.00	72.0
	1800	364T	5K364AK205	543.00	74.5	364T	5K364BK205	1107.00	79.0
	1800	364TS	5K364AK222	543.00	74.5	364TS	5K364BK222	1107.00	79.0
	1200	404T	5K404AK305	826.00	82.0	404T	5K404BK305	1329.00	78.0
	1200	404TS	5K404AK322	826.00	82.0	404TS	5K404BK322	1329.00	78.0
75	3600	364TS	5K364AK105	886.00	86.5	365TS	5K365BK105	1427.00	85.0
	1800	365T	5K365AK205	657.00	92.0	365T	5K365BK205	1405.00	92.5
	1800	365TS	5K365AK222	657.00	92.0	365TS	5K365BK230	1405.00	92.5
	1200	405T	5K405AK305	974.00	96.5	405T	5K405BK305	1608.00	94.0
	1200	405TS	5K405AK322	974.00	96.5	405TS	5K405BK322	1608.00	94.0
100	3600	365TS	5K365AK105	1185.00	113.0	405TS	5K405BK105	1925.00	118.0
	1800	404T	5K404AK205	850.00	119.0	405T	5K405BK205	1765.00	126.0
	1800	404TS	5K404AK233	850.00	119.0	405TS	5K405BK222	1765.00	126.0
	1200	444T	5K444AK305	1503.00	120.0	444T	5K444BK305	2256.00	119.0
	1200	444TS	5K444AK320	1503.00	120.0	444TS	5K444BK344	2256.00	119.0
125	3600	404TS	5K404AK105	1489.00	147.0	444TS	5K444BK105‡	2666.00	143.0
	1800	405T	5K405AK205	1027.00	151.0	444T	5K444BK205	2281.00	149.0
	1800	405TS	5K405AK230	1027.00	151.0	444TS	5K444BK234	2281.00	149.0
	1200	445T	5K445AK305	1829.00	151.0	.....	.....	.....	.....
	1200	445TS	5K445AK340	1829.00	151.0	.....	.....	.....	.....
150	3600	405TS	5K405AK105	1810.00	171.0	445TS	5K445BK105‡	2944.00	168.0
	1800	444T	5K444AK243	1484.00	170.0	445T	5K445BK240	2596.00	178.0
	1800	444TS	5K444AK205	1484.00	170.0	445TS	5K445BK205	2596.00	178.0
200	3600	444TS	5K444AK105	2290.00	230.0	.....	.....	.....	.....
	3600	.....	.....	.....	.....	.....	.....	.....	.....
	1800	445T	5K445AK243	1910.00	229.0	.....	.....	.....	.....
	1800	445TS	5K445AK205	1910.00	229.0	.....	.....	.....	.....
250	3600	445TS	5K445AK106	2822.00	284.0	.....	.....	.....	.....
	3600	.....	.....	.....	.....	.....	.....	.....	.....

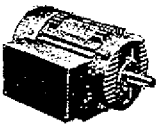
*Models 100 hp and smaller are rated 230/460 volts and those 125 hp and larger are 460 volts only. Similar motors 100 hp and smaller will be furnished rated 200 volts at the same price.

‡NEMA Design A.

¶Class A insulation.

GENERAL ELECTRIC *TRI/CLAD® 700 LINE* SINGLE-PHASE INDUCTION MOTORS

Type KC motors are capacitor-start motors. Starting currents are of NEMA Design L. Type KC motors are suitable for use on fans, blowers, pumps, air compressors, conveyors, masonry saws, and other general-purpose applications.



Type KC dripproof, Tri/Clad 700 Line Motor

SUPER-STANDARD DRIPPROOF MOTORS

115/230 Volts, 60 Hertz — Class B Insulation, 40 C Ambient

General Electric offers selected "off-the-shelf" standard a-c dripproof motors at new economy prices. The prices shown in this box apply only to the model numbers given. For any deviation whatever, and for ratings not included, consult Graybar.

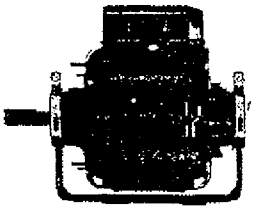
Horsepower	Rpm	Without Thermal Protector: Frame	Model Number	Price	Approx. FL Amp 230 V
TYPE KC—SOLID BASE					
¼	1800	143T*	5KC142AL202	$79.00	7.3
1½	1800	145T	5KC145AL202	95.00	10.4
2	1800	182T	5KC182AL202	113.00	12.0
3	1800	184T	5KC184AL202	182.00	17.0
5	1800	184T	5KC184AL232⊕	231.00	23.0

*Class A insulation. ⊕230 volts only.

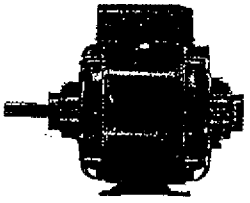
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

EMERSON ELECTRIC MOTORS

50°C SPECIAL PURPOSE MOTORS — CAPACITOR START



Capacitor Start, Resilient Mount

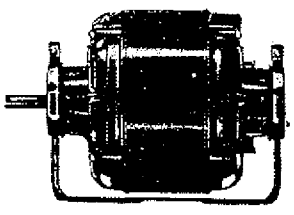


Capacitor Start, Rigid Mount

For hard-to-start applications — compressors, pumps, sanders, jointers, saws.

Cat. No.	H.P.	Speed R.P.M.	Protector	Bearings	Each
		Rigid Mounted			
1154	⅛	1725	—	Sleeve	$23.16
1465	⅛	1725	—	Sleeve	28.57
1638	⅛	1725	—	Sleeve	.....
1663	⅛	1725	Manual	Ball	33.37
1324	¼	1725	—	Sleeve	.....
1665	¼	1725	Manual	Ball	39.07
1723	1	1725	Automatic	Sleeve	47.29
1855	1	1725	Manual	Ball	50.83
		Resilient Mounted			
1144	⅛	1725	—	Sleeve	23.81
1659	⅛	1725	Automatic	Sleeve	25.07
1664	⅛	1725	—	Ball	26.35
1155	⅛	1725	—	Sleeve	29.20
1661	⅛	1725	Automatic	Sleeve	30.48
1728	⅛	1725	Manual	Ball	34.00
1486	¾	1725	—	Sleeve	34.92
1660	¾	1725	Automatic	Sleeve	36.18
1729	¾	1725	Manual	Ball	39.71

50°C SPECIAL PURPOSE MOTORS — SPLIT-PHASE



50°C Split-Phase, Resilient Mount

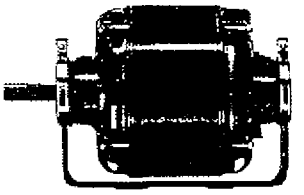
For easy-to-start applications — small lathes, drills, fans, buffers, mixers.

Cat. No.	H.P.	Shaft Diam.	Protector	Bearing	Each
1725 R.P.M. — 115 Volt — Ventilated — NEMA 56 Frame					
			Rigid Mounted		
5S14R	¼	½	—	Sleeve	$15.49
5S13R	⅓	½	—	Sleeve	17.13
3939	⅓	½	—	Ball	19.68
			Resilient Mounted		
5S14	¼	½	—	Sleeve	16.12
5S14P	¼	½	Automatic	Sleeve	17.07
5S13	⅓	½	—	Sleeve	17.78
5S13P	⅓	½	Automatic	Sleeve	18.72
3940	⅓	½	—	Ball	20.31
2878	½	⅝	—	Sleeve	22.41
1725 R.P.M. — 115 Volt — Ventilated — NEMA 48 Frame					
			Rigid Mounted		
999	¼	½	—	Sleeve	$15.49
1034	⅓	½	—	Sleeve	17.13
			Resilient Mounted		
843	¼	½	—	Sleeve	16.12
936	¼	½	Automatic	Sleeve	17.07
844	⅓	½	—	Sleeve	17.78
937	⅓	½	Automatic	Sleeve	18.72

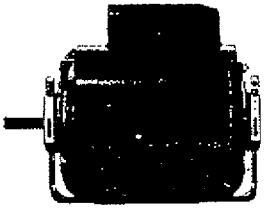
Prices shown are Net Prices.

EMERSON ELECTRIC MOTORS

40°C BELTED FAN AND BLOWER MOTORS



Split-Phase, Resilient Mount



Capacitor Start, Resilient Mount

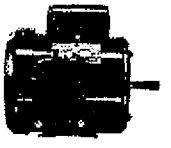
Resilient base, automatic overload protector, sleeve bearing, reversible. Convenient terminal board. Quiet, smooth operation.

Cat. No.	H.P.	Volts	Shaft Dia., In.	NEMA Frame	Each
Split-Phase — 1725 R.P.M.					
2764	⅛	115	⅝	A56	$16.50
839	⅙	115	½	Y48	16.50
2765	¼	115	⅝	A56	17.78
4252	¼	115	½	A56Z	17.78
840	¼	115	½	A48	17.78
1194*	¼	115	½	48/56	17.78
2766	⅓	115	⅝	C56	20.63
2766H	⅓	230	⅝	C56	21.90
841	⅓	115	½	C48	20.63
8412	⅓	230	½	C48	21.90
1193*	½	115	½	48/56	20.63
3957	½	115	⅝	Y56	28.89
4114	½	115/230	⅝	Y56	30.48
3958	¾	115	⅝	E56	37.46
4115	¾	115/230	⅝	E56	39.05
Split-Phase — 1725/1140 R.P.M.					
1784	⅙	115	½	A48	.....
1785	¼	115	½	C48	25.07
1786	⅓	115	½	E48	32.06
4293	½	115	⅝	E56	40.94
Capacitor-Start — 1725 R.P.M.					
179	⅛	115	½	A48	23.48
180	⅓	115/230	½	C48	27.93
1114	½	115/230	⅝	E56	36.18
1893	¾	115/230	⅝	I56	44.76
1769	1	115/230	⅝	G56	50.79

*⅝" shaft adapter packed with motor.

TOTALLY ENCLOSED FAN COOLED MOTORS

Special Purpose 55°C Capacitor-Start, TEFC Motors

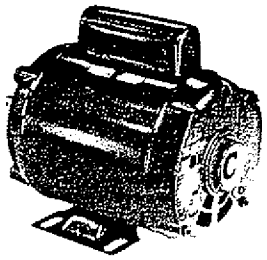


Dust-proof, dirt-proof totally enclosed fan cooled motors with manual reset overload protection. External fan with heavy die-cast louvered cover. Permanently lubricated double-shielded ball bearings. Attached conduit box. Dual voltage. ⅝" diameter shaft. Meets NEMA performance for general purpose motors.

56 Frame — Rigid Mounted — 115/230V — Ball Bearing — 1725 R.P.M. Manual Reset Overload Protector — Reversible

Cat. No.	H.P.	Each	Cat. No.	H.P.	Each
1950	⅓	$37.17	1952	¾	$ 51.46
1951	½	42.89	1953	1	56.22

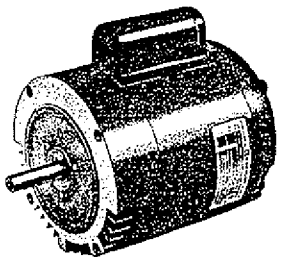
FRACTIONAL HP GENERAL PURPOSE RIGID BASE MOTORS



Type CS—Capacitor Start 115/230 Volt—60 Cycle

HP	RPM (Syn)	Dripproof(1) Frame	Dripproof(1) Price	Enclosed(2) Frame	Enclosed(2) Price
⅛	1800	E48	$34.50	F48	$44.50
	1200	F48	50.15	F48	60.15
	900	J56	83.00	J56	93.00
⅙	1800	F48	34.50	F48	44.50
	1200	(3)F48	50.15	F48	60.15
	900	K56	89.55	K56	99.55
¼	3600	B56	31.00	B56	41.00
	1800	F48	36.50	H48	46.50
	1200	J56	62.00	J56	72.00
	900	(3)L56	107.45	L56	117.45
⅓	3600	H56	31.00	J56	41.00
	1800	G48	41.00	G48	51.00
	1200	K56	71.00	K56	81.00
	900	(4)L56	117.55	L56	127.55
½	3600	J56	35.00	J56	45.00
	1800	J56	54.00	J56	64.00
	1200	(3)L56	90.00	L56	100.00
¾	3600	J56	46.50	J56	56.50
	1800	K56	67.50	K56	77.50
1	3600	K56	54.50	K56	64.50

JET PUMP MOTORS



Dripproof 40°C — Ball Bearing

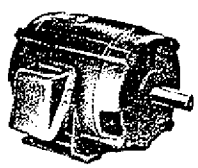
HP	RPM (Syn)	Volts	Shaft With Keyway Frame	Shaft With Keyway Price	Threaded Shaft Frame	Threaded Shaft Price
Type CS — Capacitor Start — 60 Cycle						
⅛	3600	115	B56C	$35.00	B56J	$36.50
		115/230	B56C	36.90	B56J	38.40
½	3600	115/230	H56C	39.40	H56J	40.90
¾	3600	115/230	J56C	45.00	J56J	46.50
1	3600	115/230	K56C	53.00	K56J	54.50
1½	3600	115/230	L56C	73.00	L56J	76.50
2	3600	230 (6)	L56C	93.00 (6)	L56J	96.50
Type SC — Three Phase — 60 Cycle						
½	3600		B56C	$35.00	B56J	$37.50
½	3600	208,	B56C	38.00	B56J	40.50
¾	3600	220/440	J56C	45.00	J56J	47.50
1	3600		J56C	52.00	J56J	54.50
1½	3600		J56C	71.00	J56J	74.50
2	3600		K56C	85.00	K56J	88.50

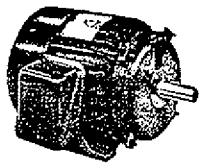
NOTES: (1)—Sleeve Bearing
(2)—Ball Bearing
(3)—Rated 50°C
(4)—Type CPX Motor
(5)—Rated 70°C CL.B
(6)—Type CP Motor

CENTURY MOTORS

RERATED 143T-445T FRAME TYPE SC THREE PHASE INTEGRAL HP MOTORS

60 Cycle — 230/460 Volt — Ball Bearing
NEMA Design B Normal Starting Torque
40°C Ambient — Class B Insulation
General Purpose — Continuous Duty





HP	RPM (Syn.)	Dripproof Frame	Dripproof Price	Totally Enclosed Fan-Cooled Frame	Totally Enclosed Fan-Cooled Price
¾	1200	S143T	$56.00	143T	$64.00
1	1800	S143T	49.50	143T	67.50
	1200	S145T	60.50	145T	77.50
	3600	S143T	52.50	143T	70.00
1½	1800	S145T	53.00	145T	74.50
	1200	S182T	68.00	182T	88.00
	3600	S145T	61.50	145T	82.50
2	1800	S145T	57.00	145T	87.50
	1200	S184T	78.00	184T	98.00
	3600	S145T	70.00	182T	94.00
3	1800	S182T	66.50	182T	99.00
	1200	213T	101.00	213T	126.00
	3600	S182T	83.00	184T	117.00
5	1800	S184T	85.00	184T	131.00
	1200	215T	139.00	215T	194.00
	3600	S184T	98.00	213T	146.00
7½	1800	213T	113.00	213T	195.00
	1200	254T	181.00	254T	249.00
	3600	213T	131.00	215T	201.00
10	1800	215T	135.00	215T	240.00
	1200	256T	220.00	256T	308.00
	3600	215T	183.00	254T	261.00
15	1800	254T	180.00	254T	318.00
	1200	284T	280.00	284T	418.00
	3600	254T	238.00	256T	358.00
20	1800	256T	224.00	256T	393.00
	1200	286T	311.00	286T	525.00
	3600	256T	293.00	284TS	435.00
25	1800	284T	267.00	284T	482.00
	1200	324T	418.00	324T	627.00
	3600	284TS	357.00	286TS	530.00
30	1800	286T	306.00	286T	571.00
	1200	326T	478.00	326T	727.00
	3600	286TS	447.00	324TS	690.00
40	1800	324T	397.00	324T	753.00
	1200	364T	597.00	364T	953.00
	3600	324TS	586.00	326TS	918.00
50	1800	326T	463.00	326T	894.00
	1200	365T	713.00	365T	1149.00
	3600	326TS	711.00	364TS	1107.00
60	1800	364TS	543.00	364T	1107.00
	1200	404T	826.00	404T	1329.00
	3600	364TS	886.00	365TS	1427.00
75	1800	365TS	657.00	365T	1405.00
	1200	405T	974.00	405T	1608.00
	3600	365TS	1185.00	405TS	1925.00
100	1800	404TS	850.00	405T	1765.00
	1200	444T	1503.00	444T	2256.00
	3600	404TS	1489.00	444TS	2666.00
125	1800	405TS	1027.00	444T	2281.00
	1200	445T	1829.00	445T	2744.00
150	3600	405TS	1810.00	445TS	2944.00
	1800	444TS	1484.00	445T	2596.00
200	3600	444TS	2290.00	.....	.....
	1800	445TS	1910.00	.....	.....
250	3600	445TS	2822.00	.....	.....

Service Factor

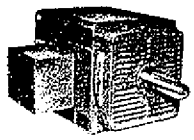
Dripproof 1.15
Enclosed 1.00

Prices Listed Apply To Standard Motors Only

For modified or special motors refer to your local Graybar Office for price and availability.

9500 SERIES FRAME TYPE SC THREE PHASE INTEGRAL HP MOTORS

60 Cycle — 440 or 550 Volt — Ball Bearing
NEMA Design B Normal Starting Torque
40°C Ambient — Class B Insulation
General Purpose — Continuous Duty
Epoxy Protected — Random Wound



HP	RPM (Syn)	Dripproof Frame	Dripproof Price
75	600	9506	$2794.00(2)
100	720	9506	2909.00(2)
	600	9508	3520.00
125	900	9506	2715.00(2)
	720	9506	3511.00
	600	9508	4205.00
150	900	9506	3278.00(2)
	720	9508	4108.00
	600	9510	4929.00
200	1200	9506	3550.00(2)
	900	9508	4413.00
	720	9508	5252.00
250	1800	(1)9506S	2951.00(2)
	1200	9508	4009.00
	900	9508	4971.00
	720	9510	5638.00
300	1800	(1)9506S	3617.00(2)
	1200	9508	4789.00
	900	9510	5854.00
350	1800	(1)9508S	4308.00
	1200	9510	5559.00
400	1800	(1)9508S	4922.00
	1200	(1)9510S	6325.00
450	1800	(1)9508S	5537.00
500	1800	(1)9510S	6037.00

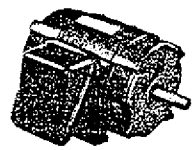
(1) Recommended for direct connection only.
(2) Standard CL B Insulation. Add 6% for Epoxy Protection.

Service Factor

75 — 200 HP 1.15
250 — 500 HP 1.00

RERATED NEMA STANDARD 143T-256T FRAME SINGLE PHASE INTEGRAL HP MOTORS

Type CS Capacitor Start-Induction Run — Type CP Two Value Capacitor
60 Cycle — 115 and 230 Volt — Ball Bearing
40°C Ambient — Class B Insulation
General Purpose — Continuous Duty



Motor Type	HP	RPM (Syn)	Dripproof Frame	Dripproof Price	Totally-Enclosed Fan-Cooled Frame	Totally-Enclosed Fan-Cooled Price
CS	1	1800	143T	$ 79.00	143T	$121.00
CS	1½	1800	145T	95.00	145T	143.00
CS	2	1800	182T	113.00	182T	170.00
CS	3	1800	184T	152.00	184T	215.00
CS	5	1800	213T	231.00	213T	293.00
CP	7½	1800	215T	315.00	215T	395.00

Note: Additional ratings are available, refer to local Graybar Office.

Service Factor

Dripproof 1.15
Enclosed 1.00

Prices Listed Apply To Standard Motors Only

For modified or special motors refer to your local Graybar Office for price and availability.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D MANUAL STARTERS AND SWITCHES

FRACTIONAL HORSEPOWER MANUAL STARTERS — CLASSES 2510 WITH MELTING ALLOY OVERLOAD RELAYS

Fractional horsepower manual starters are used whenever it is desired to have overload protection as well as Off-On control of small ac single phase or dc motors. The motor is started at line voltage. The open starter without pilot light fits in a standard switch or conduit box, and can be used with a standard flush plate.

SINGLE-UNIT TYPES — **CLASS 2510◐** — **115-230 VOLTS**

No. of Poles	Features	Gen. Purpose Enclosure Surface Mounting NEMA Type 1‡		Gen. Purpose Flush Mounting‡		General Purpose Flush Mounting With Stainless Steel Flush Plate				Water-tight & Dust-tight Enclosure NEMA Types 4 & 5		Class I Groups B, C & D & Class II Groups E, F & G NEMA Types 7 & 9		Open Type†	
						Std. Plate		Jumbo Plate							
		Type	Price	Type	Price	Type	Price	Type	Price	Type	Price	Type	Price	Type	Price
1	Toggle	FG-1	$ 7.50	FF-1	$ 7.	FS-1	$ 7.50							FO-1	$ 6.50
	Pilot Light	FG-1P	10.50	FF-1P	10.	FS-1P	10.50	FSJ-1P	$12.					FO-1P	9.50
	Handle guard	FG-5	8.50	*		*				FW-1	$24.	FR-1	$24.		
	Pilot light & handle guard	FG-5P	11.50	*		*		*		FW-1P	59.				
	Two conduit hubs									FW-1H	26.	FR-1H	26.		
	Pilot light & 2 conduit hubs									FW-1PH	61.				
	Key operated	FG-3	9.50	FF-3	9.	FS-3	9.50							FO-3	8.50
	Key operated with pilot light	FG-3P	12.50	FF-3P	12.	FS-3P	12.50	FSJ-3P	$4.					FO-3P	11.50
2	Toggle	FG-2	8.50	FF-2	8.	FS-2	8.50							FO-2	7.50
	Pilot light	FG-2P	11.50	FF-2P	11.	FS-2P	11.50	FSJ-2P	13.					FO-2P	10.50
	Handle guard	FG-6	9.50	*		*				FW-2	25.	FR-2	25.		
	Pilot light & handle guard	FG-6P	12.50	*		*		*		FW-2P	58.				
	Two conduit hubs									FW-2H	27.	FR-2H	27.		
	Pilot light & 2 conduit hubs									FW-2PH	62.				
	Key operated	FG-4	10.50	FF-4	10.	FS-4	10.50							FO-4	9.50
	Key operated with pilot light	FG-4P	13.50	FF-4P	13.	FS-4P	13.50	FSJ-4P	15.					FO-4P	12.50

AC MANUAL MOTOR STARTING SWITCHES — CLASS 2510 WITHOUT OVERLOAD PROTECTION

Manual motor starting switches are used to control small motors not requiring overload protection. The open switch without pilot light fits in a standard switch or conduit box and can be used with a standard flush plate.

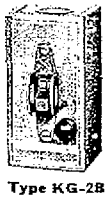
SINGLE-UNIT TYPES — **CLASS 2510** — **600 VOLTS MAX. AC**

No. of Poles	Features*	Gen. Purpose Enclosure Surface Mounting NEMA Type 1‡		Gen. Purpose Flush Mounting‡		General Purpose Flush Mounting With Stainless Steel Flush Plate				Water-tight & Dust-tight Enclosure NEMA Types 4 & 5		Class I Groups B, C & D & Class II Groups E, F & G NEMA Types 7 & 9		Open Type†	
						Std. Plate		Jumbo Plate							
		Type	Price	Type	Price	Type	Price	Type	Price	Type	Price	Type	Price	Type	Price
2	Toggle and handle guard	KG-1	$ 4.80	KF-1	$ 4.10	KS-1	$ 4.60			KW-1	$22.	KR-1	$22.	KO-1	$ 3.80
	Pilot light 115 V. ac	KG-1A	9.60	KF-1A	9.10	KS-1A	9.60	KSJ-1A	$11.10	KW-1A	57.			KO-1A	8.60
	Pilot light 230 V. ac	KG-1B	9.60	KF-1B	9.10	KS-1B	9.60	KSJ-1B	11.10	KW-1B	57.			KO-1B	8.60
	Two conduit hubs									KW-1H	24.	KR-1H	24.		
	Key operated	KG-3	6.60	KF-3	6.10	KS-3	6.60							KO-3	5.80
	Key operated with pilot light 115 V. ac	KG-3A	11.60	KF-3A	11.10	KS-3A	11.60	KSJ-3A	13.10					KO-3A	10.60
	Key operated with pilot light 230 V. ac	KG-3B	11.60	KF-3B	11.10	KS-3B	11.60	KSJ-3B	13.10					KO-3B	10.60
3	Toggle and handle guard	KG-2	10.50	KF-2	10.	KS-2	10.50			KW-2	27.	KR-2	27.	KO-2	9.50
	Pilot light 208/240 V. ac	KG-2B	15.50	KF-2B	15.	KS-2B	15.50	KSJ-2B	17.	KW-2B	62.			KO-2B	14.50
	Pilot light 440/600 V. ac	KG-2C	15.50	KF-2C	15.	KS-2C	15.50	KSJ-2C	17.	KW-2C	62.			KO-2C	14.50
	Two conduit hubs									KW-2H	29.	KR-2H	29.		
	Key operated	KG-4	12.50	KF-4	12.	KS-4	12.50							KO-4	11.50
	Key operated with pilot light 208/240 V. ac	KG-4B	17.50	KF-4B	17.	KS-4B	17.50	KSJ-4B	19.					KO-4B	16.50
	Key operated with pilot light 440/600 V. ac	KG-4C	17.50	KF-4C	17.	KS-4C	17.50	KSJ-4C	19.					KO-4C	16.50

◐Prices of Class 2510 Type F include one overload thermal unit per starter. Deduct $1.50 if thermal unit is omitted.
*Handle guard kits are available for field addition to Types FF, FG, FS and FSJ enclosures. Handle guard is standard on all Type K enclosed switches.
‡Pilot light kits are available for field addition to Types FF, FG, KF and KG.
†Devices without pilot light include nameplate.



Type FG-2



Type KG-2B

ELECTRICAL RATINGS

TYPE F STARTERS

No. of Poles	Volts	Max. HP	
		AC Single Phase	DC
1	115 or 230	1	..
2	115 or 230	1	¾

TYPE K SWITCHES

Volts	HP		Resistance Ratings	
	1φ, 2 P	3φ, 3 P	Volts	Amps
120	1	2	250	30
240	2	3	600	20
480	..	5	....	....
600	..	5	....	....

ORDERING INFORMATION REQUIRED

1. Class and type number.
2. Select thermal units, for starters, from table on page 205.

INTEGRAL HORSEPOWER MANUAL STARTERS — CLASS 2510

Line voltage manual starters are used where it is convenient for the operator to start and stop small single phase or polyphase motors by pressing push buttons mounted in the cover of the starter enclosure. Low voltage protection and low voltage release are not available with the manually operated mechanism.

PUSH BUTTON TYPE OPERATION — MELTING ALLOY TYPE THERMAL OVERLOAD RELAYS

600 VOLTS MAX. AC — **CLASS 2510**

No. of Poles	NEMA Size	Ratings Volts	Ratings Max. HP Poly-Phase	Ratings Max. HP Single Phase	General Purpose Enclosure Surface Mounting NEMA Type 1 ◐ Type	General Purpose Enclosure Surface Mounting NEMA Type 1 * Price	Water-tight Enclosure Corrosion-Resistant Glass Polyester NEMA Type 4X Type	Water-tight Enclosure Corrosion-Resistant Glass Polyester NEMA Type 4X * Price	Water-tight Enclosure (AISI #304 Stainless Steel) NEMA Type 4 Type	Water-tight Enclosure (AISI #304 Stainless Steel) NEMA Type 4 * Price	For Hazardous Locations Class I Groups C, D Class II Groups E, F, G NEMA Types 7 & 9 Type	For Hazardous Locations Class I Groups C, D Class II Groups E, F, G NEMA Types 7 & 9 * Price	Dust-tight Enclosure Industrial Use NEMA Type 12 Type	Dust-tight Enclosure Industrial Use NEMA Type 12 * Price	Open Type With Square Buttons ◐ Type	Open Type With Square Buttons * Price
2 Pole	M-0	115	....	1	MBG-1	$28.	MBW-1	$52.	MBW-11	$52.	MBR-1	$68.	MBA-1	$27.	MBO-1	$18.
		230	....	2												
	M-1	115	....	2	MCG-1	25.	MCW-1	64.	MCW-11	64.	MCR-1	78.	MCA-1	32.	MCO-1	23.
		230	....	3												
	M-1P	115	....	3	MCG-2	36.	MCW-2	78.	MCW-12	78.	MCR-2	90.	MCA-2	43.	MCO-2	34.
		230	....	5												
3 Pole	M-0	115.	2	1	MBG-2	25.	MBW-2	57.	MBW-12	57.	MBR-2	71.	MBA-2	32.	MBO-2	23.
		230	3	2												
		460–575	5	....												
	M-1	115	3	2	MCG-3	30.	MCW-3	69.	MCW-13	69.	MCR-3	83.	MCA-3	37.	MCO-3	28.
		230	7½	3												
		460 575	10	....												

*Prices of 2 pole starters include 1 overload relay thermal unit. Prices of 3 pole starters include 2 thermal units. Deduct $1.50 each if thermal units are omitted.
◐To order toggle operated manual starters, replace prefix letter M by T in device type number; e.g. Class 2510 Type TCG-3 — same list prices apply.

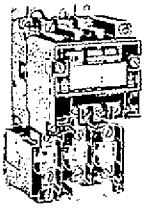


Class 2510 General Purpose Enclosure

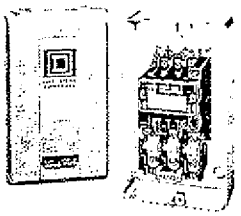
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D AC MAGNETIC STARTERS AND CONTACTORS

STARTERS — LINE VOLTAGE TYPE — CLASS 8536
WITH MELTING ALLOY TYPE THERMAL OVERLOAD RELAYS



Class 8536 Type SCO-3 Open Type Size 1, 3 pole starter with three thermal units.



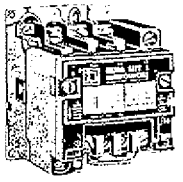
Class 8536 Type SCG-3 Size 1, 3 pole starter with three thermal units in NEMA 1 enclosure.

Line voltage starters are used for starting and stopping ac squirrel cage motors. They are used where full voltage starting torque may be safely applied to the driven machinery and where the current inrush resulting from across-the-line starting is not objectionable.

To protect the motor from overheating, overload relays are provided on all starters. The Type S starter, Sizes 0-3, features smaller size with increased flexibility and outstanding performance. There are provisions for 2 or 3 thermal units on all 3 pole starters. Four single circuit electrical interlocks, N.O. or N.C., can be field installed. Push button, selector switch or pilot light modification kits can be added to the cover of the NEMA 1 enclosure.

CONTACTORS — CLASS 8502
WITHOUT OVERLOAD PROTECTION

Magnetic contactors may be used for electric motor loads within the horsepower rating shown, if overload protection is not required, or if another provision is made for it. A holding circuit interlock for three wire control is provided on all Class 8502 magnetic contactors. Type S contactors should be used where small size and increased flexibility are required.



Class 8502 Type SCO-2 Size 1, 3 pole contactor

600 VOLTS MAX. — 50-60 HERTZ★

No. of Poles	NEMA Size *	Maximum Ratings Volts	Max. HP Poly-phase	Max. HP Single Phase	CLASS 8536 General Purpose Enclosure NEMA Type 1 Type	Price	Water-tight Stainless Steel Enclosure NEMA Type 4 Type	Price	Dust-tight Industrial Use Enclosure NEMA Type 12 (Type 3‡) Type	Price	Open Type Type	Price	Continuous Current Rating Amperes	CLASS 8502 General Purpose Enclosure NEMA Type 1 Type	Price	Open Type Type	Price
2	00	115	.....	½	AG-1	$30.50	Use Size 0		Use Size 0		AO-1	$28.50	9	AG-1	$ 22.	AO-1	$ 20.
		230	.....	1													
	0	115	.....	1	SBG-1	34.	SBW-11	$ 69.	SBA-1	$ 46.	SBO-1	32.	18	SBG-1	28.	SBO-1	26.
		230	.....	2													
	1	115	.....	2	SCG-1	39.	SCW-11	75.	SCA-1	51.	SCO-1	37.	27	SCG-1	33.	SCO-1	31.
		230	.....	3													
	1P	115	.....	3	SCG-2	50.	SCW-12	86.	SCA-2	62.	SCO-2	48.	...	.....	.....	.....	.....
		230	.....	5													
	2	115	.....	3	SDG-6	76.	SDW-16	148.	SDA-6	98.	SDO-6	69.	45	SDG-1	68.	SDO-1	58.
		230	.....	7½													
3	00	110	¾	⅓	AG-2	$ 32.	Use Size 0		Use Size 0		AO-2	$ 30.	9	AG-2	25.	AO-2	23.
		208-220	1½	1													
		440-550	2	....													
	0	110	2	1	SBG-2	39.	SBW-12	74.	SBA-2	51.	SBO-2	37.	18	SBG-2	31.	SBO-2	29.
		208-220	3	2													
		440-550	5	....													
	1	110	3	2	SCG-3	44.	SCW-13	80.	SCA-3	55.	SCO-3	42.	27	SCG-2	36.	SCO-2	34.
		208-220	7½	3													
		440-550	10	....													
	2	110	7½	3	SDG-1	84.	SDW-11	156.	SDA-1	106.	SDO-1	74.	45	SDG-2	72.	SDO-2	62.
		208-220	15	7½													
		440-550	25	....													
	3	110	15	7½	SEG-1	138.	SEW-11	240.	SEA-1	164.	SEO-1	118.	90	SEG-2	120.	SEO-2	100.
		208-220	30	15													
		440-550	50	....													
	4	208-220	50	....	SFG-1	308.	SFW-11	482.	SFA-1	394.	SFO-1	266.	135	SFG-2	282.	SFO-2	240.
		440-550	100	....													
	5	208-220	100	....	GG-1	684.	GW-11	904.	GA-1	904.	GO-1	607.	270	GG-2	608.	GO-2	523.
		440-550	200	.....													
4	0	220	3	....	SBG-3	50.	SBW-13	89.	SBA-3	62.	SBO-3	47.	18	SBG-3	39.	SBO-3	37.
		440-550	5	....													
	1	220	7½	....	SCG-4	58.	SCW-14	94.	SCA-4	68.	SCO-4	53.	27	SCG-3	44.	SCO-3	42.
		440-550	10	....													
	2	220	15	....	SDG-2	103.	SDW-12	207.	SDA-2	125.	SDO-2	93.	45	SDG-3	90.	SDO-3	80.
		440-550	25	....													
	3	220	30	....	SEG-2	168.	SEW-12	298.	SEA-2	194.	SEO-2	150.	90	SEG-3	148.	SEO-3	128.
		440-550	50	....													
	4	220	50	....	SFG-2	404.	SFW-12	650.	SFA-2	520.	SFO-2	364.	135	SFG-3	376.	SFO-3	334.
		440-550	100	....													
	5	220	100	....	GG-2	1200.	GW-12	1442.	GA-2	1348.	GO-2	1046.	270	GG-3	1116.	GO-3	961.
		440-550	200	....													

Prices of Class 8536 starters include overload relay thermal units. Deduct $1.50 each if thermal units are omitted.
Explosion resistant enclosures are also available. Contact Graybar.
‡Suitable for NEMA Type 3 applications except where sleet and freezing rain is encountered.

★Size 5 available with 25-60 hertz coil.
*Sizes 6, 7 and 8 also available.

PRICES FOR ADDITIONS AND SPECIAL FEATURES FOR CLASSES 8502 & 8536	Form Letters	Size 00	Sizes 0, 1 & 1P	Size 2	Size 3	Size 4	Size 5
Additional thermal units or heaters, each	.....	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
"Start-Stop" push button in cover of NEMA Type 1 enclosure	Form A	8.00	8.00	8.00	8.00	8.00	8.00
"Start-Stop" push button in cover of NEMA Type 4, 7, 9 or 12 enclosure	Form A	.....	22.00	22.00	22.00	22.00	22.00
"Hand-Off-Auto" selector switch in cover of NEMA Type 1 enclosure	Form C	8.00	8.00	8.00	8.00	8.00	8.00
"Hand-Off-Auto" selector switch in cover of NEMA Type 4, 7, 9 or 12 enclosure	Form C	.....	22.00	22.00	22.00	22.00	22.00
Pilot light without interlock in cover of NEMA Type 1, 4 and 12 enclosure	Form P●	15.00	15.00	15.00	15.00	15.00	15.00
Separate control circuit (specify voltage and frequency)	Form S	N.C.	N.C.	N.C.	N.C.	N.C.	N.C.
†Additional electrical interlocks, each	Form X—	.....	11.00	11.00	11.00	11.00	11.00
Control circuit transformer (prices apply only to NEMA Types 1, 4, 9 and 12)							
60 cycle, with fuse in low voltage side (No deduction for omission of fuse)	Form FT	.....	27.00	38.00	56.00	88.00	77.00
Additional thermal overload relay with relay unit	Form J◐	1.50	4.00◐	4.00◐	4.00	4.00	40.00
Legend plate on enclosure with marking as specified	.....	1.50	1.50	1.50	1.50	1.50	1.50

†List number of extra normally open and normally closed interlocks required, not including holding circuit interlock.
◐Not applicable to Type A or S starters, which have provisions for 2 or 3 thermal units as standard — Add $1.50 for third thermal unit.
● Indicate pilot light color as Form P (red) and how pilot light is to be wired.

ORDERING INFORMATION REQUIRED

1. Class and type number.
2. Horsepower, voltage, phase, frequency and full load current of motor.
3. Control voltage and frequency if different from line voltage.
4. Select melting alloy thermal units from page 205.
5. Special features or modifications required. (See table above and page 216).

SQUARE D AC CIRCUIT BREAKER TYPE COMBINATION STARTERS—3 POLE, AC SWITCH TYPE COMBINATION STARTERS AND MODIFICATION KITS

DISCONNECT SWITCH TYPE, 3 POLE — CLASS 8538

600 V. MAX. — CLASS 8538 — 50-60 HERTZ

RATINGS			NEMA Size	General Purpose Enclosure NEMA Type 1		Water-tight Stainless Steel Enclosure NEMA Type 4		Dust-tight Industrial Use Enclosure★ NEMA Type 12	
Max. HP Polyphase	Volts	Fuse Clip Size Amps.		Type	Price	Type	Price	Type	Price
3	208-220	None	0	SBG-11	$ 94.	SBW-11	$190.	SBA-21	$118.
		30	0	SBG-12	97.	SBW-12	193.	SBA-22	121.
	440-550	None	0	SBG-11	94.	SBW-11	190.	SBA-21	118.
		30	0	SBG-13	99.	SBW-13	195.	SBA-23	123.
5	208-220	None	1	SCG-11	99.	SCW-11	195.	SCA-21	123.
		‡30	1	SCG-12	102.	SCW-12	198.	SCA-22	126.
		60	1	SCG-13	104.	SCW-13	200.	SCA-23	128.
	440-550	None	0	SBG-11	94.	SBW-11	190.	SBA-21	118.
		30	0	SBG-13	99.	SBW-13	195.	SBA-23	123.
7½	208-220	None	1	SCG-11	99.	SCW-11	195.	SCA-21	123.
		‡30	1	SCG-12	102.	SCW-12	198.	SCA-22	126.
		60	1	SCG-13	104.	SCW-13	200.	SCA-23	128.
	440-550	None	1	SCG-11	99.	SCW-11	195.	SCA-21	123.
		30	1	SCG-14	104.	SCW-14	200.	SCA-24	128.
10	208-220	None	2	SDG-11	155.	SDW-11	303.	SDA-21	189.
		‡60	2	SDG-12	159.	SDW-12	307.	SDA-22	193.
		100	2	SDG-13	171.	SDW-13	319.	SDA-23	205.
	440-550	None	1	SCG-11	99.	SCW-11	195.	SCA-21	123.
		‡30	1	SCG-14	104.	SCW-14	200.	SCA-24	128.
		60	1	SCG-19	108.	SCW-19	292.	SCA-29	130.
15	208-220	None	2	SDG-11	155.	SDW-11	303.	SDA-21	189.
		‡60	2	SDG-12	159.	SDW-12	307.	SDA-22	193.
		*100	2	SDG-13	171.	SDW-13	319.	SDA-23	205.
	440-550	None	2	SDG-11	155.	SDW-11	303.	SDA-21	189.
		‡30	2	SDG-15	160.	SDW-15	308.	SDA-26	194.
		60	2	SDG-14	152.	SDW-14	310.	SDA-24	196.
25	208-220	None	3	SEG-11	256.	SEW-11	514.	SEA-21	308.
		‡100	3	SEG-15	266.	SEW-15	524.	SEA-25	319.
		200	3	SEG-12	288.	SEW-12	546.	SEA-22	332.
	440-550	None	2	SDG-11	155.	SDW-11	303.	SDA-21	289.
		‡60	2	SDG-14	162.	SDW-14	310.	SDA-24	196.
		100	2	SDG-15	173.	SDW-15	321.	SDA-25	207.
30	208-220	None	3	SEG-11	256.	SEW-11	514.	SEA-21	300.
		‡100	3	SEG-15	266.	SEW-15	524.	SEA-25	310.
		*200	3	SEG-12	288.	SEW-12	546.	SEA-22	332.
	440-550	None	3	SEG-11	256.	SEW-11	514.	SEA-21	300.
		*100	3	SEG-13	271.	SEW-13	529.	SEA-23	315.
50	440-550	None	3	SEG-11	256.	SEW-11	514.	SEA-21	300.
		‡100	3	SEG-13	271.	SEW-13	529.	SEA-23	315.
		200	3	SEG-14	292.	SEW-14	550.	SEA-24	336.

Prices include two overload relay thermal units. Deduct $1.50 each if thermal units are omitted. Prices do not include fuses.
Explosion resistant enclosures are also available. Contact Graybar.
‡HP rating applies only when dual element fuses are used.
★Includes external reset. Devices without external reset are available.
*Sizes 4-8 also available.

With minor exceptions, the National Electrical Code requires a disconnecting means for every motor. Class 8538 and 8539 combination starters provide the disconnect means to meet this requirement and a Class 8536 magnetic starter all in one enclosure.

A combination starter provides many advantages over a separate disconnect and starter. The single device takes up less room, makes a neater installation, is quicker to install and provides greater safety for operating personnel.

CIRCUIT BREAKER TYPE, 3 POLE — CLASS 8539

50-60 HERTZ — CLASS 8539 — 600 VOLTS MAX.

RATINGS				General Purpose Enclosure NEMA Type 1		Dust-tight Industrial Use Enclosure NEMA Type 12★	
Max. HP Polyphase	Volts	NEMA Size *	Circuit Breaker Trip Setting Amperes	Type	Price	Type	Price
½-2	208-220	0	15	SBG-1	$101.	SBA-11	$125.
	440-550	0	15	SBG-2	130.	SBA-12	154.
3	208-220	0	20	SBG-3	101.	SBA-13	125.
	440-550	0	15	SBG-2	130.	SBA-12	154.
5	208-220	1	30	SCG-1	106.	SCA-11	130.
	440-550	0	15	SBG-2	130.	SBA-12	154.
7½	208-220	1	50	SCG-2	106.	SCA-12	130.
	440-550	1	20	SCG-3	135.	SCA-13	159.
10	208-220	2	60	SDG-1	161.	SDA-11	195.
	440-550	1	30	SCG-4	135.	SCA-14	159.
15	208-220	2	90	SDG-2	161.	SDA-12	195.
	440-550	2	40	SDG-3	190.	SDA-13	224.
20	208-220	3	100	SEG-1	275.	SEA-11	319.
	440	2	60	SDG-4	190.	SDA-14	224.
	550	2	40	SDG-3	190.	SDA-13	224.
25	208-220	3	100	SEG-1	275.	SEA-11	319.
	440	2	70	SDG-5	190.	SDA-15	224.
	550	2	60	SDG-4	190.	SDA-14	224.
30	208-220	3	125	SEG-2	275.	SEA-12	319.
	440	3	90	SEG-3	275.	SEA-13	319.
	550	3	60	SEG-4	275.	SEA-14	319.
40	440	3	100	SEG-1	275.	SEA-11	319.
	550	3	90	SEG-3	275.	SEA-13	319.
50	440	3	100	SEG-1	275.	SEA-11	319.
	550	3	100	SEG-1	275.	SEA-11	319.

FIELD MODIFICATION KITS CLASS 9999

FUSE BLOCK KIT

Description	Type S Starter Size	Class 9999 Type	Price
Fuse block kit to convert disconnect switch in Class 8538 Type S combination starter from non-fusible to fusible. Does not include fuse clips. (Order fuse clip kit from table at right)	0, 1	SF-1	$3.50
	2	SF-2	4.25

DISCONNECT SWITCH AND CIRCUIT BREAKER INTERLOCK KITS

The interlock kits listed below are available for field installation on Class 8538 and 8539 combination starters (including the type S) that use the flanged mounted operating handle mechanism.

Starter Class	NEMA Starter Size	Circuit Breaker Type	Single Pole Interlock		Double Pole Interlock	
			Class 9999 Type	Price	Class 9999 Type	Price
8538	0, 1 and 2	.....	R-6	$7.50	R-7	$14.50
8538	3 and 4	.....	R-8	8.50	R-9	16.
8539	0, 1, 2 and 3	FA	R-26▲	7.50	R-27▲	14.50
8539	0, 1, 2 and 3	ML-1	R-14‡	7.50	R-15‡	14.50
8539	3 and 4	ML-3	R-16	8.50	R-17	16.

▲Applies to Type SB, SC, SD and SE starters only.
‡Applies to Type B, C, D and E starters only.

FUSE CLIP KITS

Disconnect switches for fusible combination starters with flange mounted operating mechanisms have provisions for various size fuse clips. The fusible horsepower rating can thus be changed easily by utilizing the following kits.

NEMA Starter Size	Disconnect Ampere Rating	NEMA Class H Fuses		Class 9999 Type	Price
		Fuse Clip Ratings — Amps.			
		250 V. Max.	600 V. Max.		
0 & 1	30	0-30	.....	S1	$ 0.80
0	30	.....	0-30	S2	1.50
1	30	31-60	0-30	S2	1.50
1	30	.....	31-60	S3	2.75
2	60	31-60	0-30	S2	1.50
2	60	.....	31-60	S3	2.75
2	60	61-100	61-100	S4	10.20
3	100	.....	31-60	S3	2.75
3	100	61-100	61-100	S4	10.20
3	100	101-200	101-200	S5	18.90
4	200	101-200	101-200	S5	18.90
4	200	201-400	201-400	S6	46.

COMMON FACTORY MODIFICATIONS

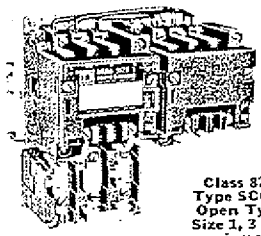
PRICES FOR ADDITIONS AND SPECIAL FEATURES OF CLASSES 8538 AND 8539	Form Letters	Sizes 0 and 1	Size 2	Size 3	Size 4	Size 5
"Start-Stop" push button in cover of NEMA Type 1 enclosure	Form A	$ 8.	$ 8.	$ 8.	$ 8.	$ 8.
"Start-Stop" push button in cover of NEMA Type 4, 9 or 12 enclosure	Form A	22.	22.	22.	22.	22.
"Hand-Off-Auto" selector switch in cover of NEMA Type 1 enclosure	Form C	8.	8.	8.	8.	8.
"Hand-Off-Auto" selector switch in cover of NEMA Type 4, 9 or 12 enclosure	Form C	22.	22.	22.	22.	22.
One pilot light, without interlock, in cover of NEMA Type 1 4 and 12 enclosure	Form P●	15.	15.	15.	15.	15.
Separate control circuit (specify voltage and frequency)	Form S	N.C.	N.C.	N.C.	N.C.	N.C.
Additional electrical interlocks, each	Form X—	11.	11.	11.	11.	11.
Standard control circuit transformer	Form FT	27.	38.	58.	58.	77.
Legend plate on enclosure with markings as specified	.....	1.50	1.50	1.50	1.50	1.50

● Indicate pilot light color as Form P (red) or Form P (green), etc., and how pilot light is to be wired into the circuit.

ORDERING INFORMATION REQUIRED

1—Class and type number.
2—Quantity and type number of thermal units. Select from page 205.
3—Horsepower, voltage, phase, frequency and full load current of motor.
4—Control voltage and frequency if different from line voltage.
5—Any special features or modifications required. (See table at left and page 216.)

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.



Class 8736 Type SCO-8, Open Type, Size 1, 3 pole reversing starter

SQUARE D REVERSING CONTACTORS, STARTERS, LIGHTING CONTACTORS AND TRANSFER PANELS

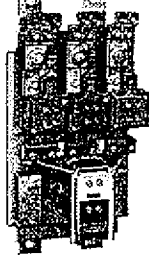
SQUARE D AC REVERSING MAGNETIC CONTACTORS AND STARTERS — CLASSES 8702 AND 8736

Reversing line voltage magnetic contactors and starters are used to start, stop and reverse ac squirrel cage motors where full motor starting torque will not damage the driven machinery and where the starting inrush current is not objectionable. Motor protection on starters is provided by melting alloy type thermal overload relays. Type S contactors and starters should be used where small size and increased flexibility are required.

600 VOLTS MAX.

REVERSING CONTACTORS W/O OVERLOAD PROTECTION — CLASS 8702								REVERSING STARTERS W/OVERLOAD PROTECTION — CLASS 8736								
No. of Poles	NEMA Size *	Ratings		Type of Motor	General Purpose Enclosure NEMA Type 1		Open Type		General Purpose Enclosure NEMA Type 1		Water-tight Stainless Steel Enclosure NEMA Type 4		Dust-tight Industrial Use Enclosure NEMA Type 12		Open Type		
		Volts	Max. HP		Type	Price	Type	Price	Type	Price	Type	Price	Type	Price	Vertical Type	Horizontal Type	Price
2 Pole Single Phase	00	115 230	½ 1	Single Phase 3-Wire	AG-1	$ 62.	AO-1	$ 58.	AG-1	$ 66.	AW-11	$112.	Use NEMA Size 0		.....	AO-1	$ 62.
	0	115 230	1 2		SBG-1	74.	SBO-1	70.	SBG-1	78.	SBW-11	124.	SBA-1	$ 86.	SBO-7	SBO-1	74.
	1	115 230	2 3		SCG-2	86.	SCO-2	80.	SCG-2	90.	SCW-11	154.	SCA-1	108.	SCO-1	SCO-2	84.
3 Pole Poly-phase	00	110 208–220 440–550	¼ 1½ 2	3 Phase	AG-4	64.	AO-4	60.	AG-4	72.	AW-14	118.	Use NEMA Size 0		.....	AO-4	68.
	0	110 208–220 440–550	2 3 5		SBG-4	76.	SBO-4	72.	SBG-4	84.	SBW-14	130.	SBA-4	102.	SBO-10	SBO-4	80.
	1	110 208–220 440–550	3 7½ 10		SCG-8	88.	SCO-8	82.	SCG-8	96.	SCW-24	160.	SCA-4	114.	SCO-7	SCO-8	90.
	2	110 208–220 440–550	7½ 15 25		SDG-2	172.	SDO-2	156.	SDG-2	184.	SDW-11	288.	SDA-1	214.	SDO-1	SDO-2	188.
	3	110 208–220 440–550	15 30 50		SEG-2	287.	SEO-2	259.	SEG-2	305.	SEW-11	459.	SEA-1	371.	SEO-1	SEO-2	277.
	4	208–220 440–550	50 100		SFG-3	698.	SFO-3	646.	SFG-1	724.	SFW-11	996.	SFA-1	826.	SFO-1	SFO-3	672.

Prices for class 8736 devices include two overload relay thermal units. Deduct $1.50 if thermal units are omitted.
*Sizes 4-8 also available.



300 ampere electrically held lighting contactor

AC LIGHTING CONTACTORS — CLASS 8903

FOR TUNGSTEN, FLUORESCENT, AND MERCURY ARC LAMPS

AC 480 VOLTS MAX. LINE VOLTAGE		CLASS 8903 ◐COIL — 24-480 VOLTS AC				DC 250 VOLTS MAX. LINE VOLTAGE			
RATINGS		ELECTRICALLY HELD				MECHANICALLY HELD			
Ampere Ratings	No. of Poles	General Purpose Enclosure NEMA Type 1††		Open Type		General Purpose Enclosure NEMA Type 1††		Open Type	
		Type	Price▲	Type	Price▲	Type	Price▲	Type	Price▲
30	2	MG-1	$ 36.	MO-1	$ 34.	MG-10	$ 39.	MO-10	$ 47.
	3	MG-2	39.	MO-2	37.	MG-11	52.	MO-11	50.
	4	MG-3	48.	MO-3	45.	MG-12	55.	MO-12	53.
60	2	PG-1	73.	PO-1	63.	PG-10	115.	PO-10	108.
	3	PG-2	78.	PO-2	67.	PG-11	119.	PO-11	110.
	4	PG-3	97.	PO-3	86.	PG-12	141.	PO-12	132.
100	2	QG-1	120.	QO-1	99.	QG-10	161.	QO-10	141.
	3	QG-2	129.	QO-2	107.	QG-11	170.	QO-11	150.
	4	QG-3	159.	QO-3	137.	QG-12	203.	QO-12	183.
200	2	VG-1	283.	VO-1	238.	VG-10	412.	VO-10	348.
	3	VG-2	302.	VO-2	257.	VG-11	465.	VO-11	377.
	4	VG-3	403.	VO-3	358.	VG-12	568.	VO-12	480.
300	2	XG-1	598.	XO-1	515.	XG-13	720.	XO-13	583.
	3	XG-2	642.	XO-2	560.	XG-14	790.	XO-14	603.
	4	XG-3	1194.	XO-3	1029.	XG-15	1281.	XO-15	1111.

AUTOMATIC TRANSFER PANELS — CLASS 8901

TUNGSTEN, FLUORESCENT AND MERCURY ARC LAMP LOADS OR MOTOR LOADS‡

480 VOLTS MAX. LIGHTING LOAD		NEMA TYPE 1 GENERAL PURPOSE ENCLOSURE††								600 VOLTS MAX. HP LOAD									
Service†		ELECTRICALLY HELD								MECHANICALLY HELD									
AC Normal		30 Ampere		60 Ampere		100 Ampere		200 Ampere		300 Ampere		30 Ampere		60 Ampere		100 Ampere		200 Ampere		300 Ampere	
And Emergency		Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price	Type No.	Price
1φ, 2 W.		MG-1	$145.	PG-1	$220.	QG-1	$331.	VG-1	$712.	XG-1	$1442.	MG-6	$214.	PG-6	$296.	QG-6	$417.	VG-6	$ 848.	XG-6	$1592.
1φ, 3 W. (S/N)		MG-2	150.	PG-2	228.	QG-2	343.	VG-2	736.	XG-2	1492.	MG-7	218.	PG-7	304.	QG-7	429.	VG-7	872.	XG-7	1642.
1φ, 3 W. (SWN)		MG-3	148.	PG-3	232.	QG-3	347.	VG-3	758.	XG-3	1526.	MG-8	216.	PG-8	308.	QG-8	433.	VG-8	894.	XG-8	1675.
3φ, 3 W.		MG-3	148.	PG-3	232.	QG-3	347.	VG-3	758.	XG-3	1526.	MG-8	216.	PG-8	308.	QG-8	433.	VG-8	894.	XG-8	1676.
3φ, 4 W. (S/N)		MG-4	152.	PG-4	240.	QG-4	359.	VG-4	782.	XG-4	1576.	MG-9	220.	PG-9	316.	QG-9	445.	VG-9	918.	XG-9	1725.
3φ, 4 W. (SWN)		MG-5	169.	PG-5	274.	QG-5	418.	VG-5	948.	XG-5	1817.	MG-10	237.	PG-10	350.	QG-10	504.	VG-10	1084.	XG-10	1967.

†DC transfer panels are also available — Contact Graybar. ††For NEMA 4, 12, 7 and flush enclosures, contact Graybar. ‡Contact Graybar for motor load rating.
▲Prices do not include push button stations or holding circuit interlocks.

ORDERING INFORMATION REQUIRED

1. Class and type number. 2. Voltage, phase and hertz. 3. For special features or modifications, see page 216 or contact Graybar.

Prices subject to manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D OVERLOAD RELAY THERMAL UNITS FOR MANUAL STARTERS©

For Use With												
Class	Type	NEMA Size	Motor Full Load Current	Thermal Unit Number	Motor Full Load Current	Thermal Unit Number	Motor Full Load Current	Thermal Unit Number	Motor Full Load Current	Thermal Unit Number	Motor Full Load Current	Thermal Unit Number
2510	F (All Series)	....	0.41–0.44	A 0.49	0.97–1.04	A 1.16	1.96–2.15	A 2.31	4.33–4.90	A 6.20	9.68–9.95	A 14.1
			0.45–0.49	A 0.54	1.05–1.16	A 1.25	2.16–2.38	A 2.57	4.91–5.35	A 6.99	9.96–10.8	A 14.8
			0.50–0.53	A 0.59	1.17–1.29	A 1.39	2.39–2.75	A 2.81	5.36–5.85	A 7.65	10.9–12.1	A 16.2
			0.54–0.58	A 0.65	1.30–1.37	A 1.54	2.76–2.84	A 3.61	5.86–6.41	A 8.38	12.2–13.1	A 17.9
			0.59–0.65	A 0.71	1.38–1.47	A 1.63	2.85–3.06	A 3.95	6.42–6.79	A 9.25	13.2–13.9	A 19.8
			0.66–0.71	A 0.78	1.48–1.56	A 1.75	3.07–3.45	A 4.32	6.80–7.57	A 9.85	14.0–15.0	A 21.3
			0.72–0.78	A 0.86	1.57–1.65	A 1.86	3.46–3.70	A 4.79	7.58–8.15	A 11.0	15.1–16.0	A 25.2
			0.79–0.85	A 0.95	1.66–1.79	A 1.99	3.71–4.07	A 5.30	8.16–8.98	A 11.9	.....	.....
			0.86–0.96	A 1.02	1.80–1.95	A 2.15	4.08–4.32	A 5.78	8.99–9.67	A 13.2	.....	.....
2510	M, T Series A	Single Phase M-0 M-1 M-1P	0.33–0.36	B 0.44	1.15–1.29	B 1.67	4.25–4.54	B 6.25	12.9–13.9	B 19.5	Size M-1 — 27 Amp. Max. Full Load Current	
			0.37–0.40	B 0.51	1.30–1.42	B 1.88	4.55–5.29	B 6.90	14.0–16.1	B 22.0		
			0.41–0.45	B 0.57	1.43–1.64	B 2.10	5.30–5.73	B 7.70	16.2–17.6	B 25.0		
			0.46–0.52	B 0.63	1.65–1.80	B 2.40	5.74–6.35	B 8.20	17.7–20.6	B 28.0	27.2–29.2	B 40.0
			0.53–0.59	B 0.71	1.81–2.10	B 2.65	6.36–7.05	B 9.10	Size M-0 — 18 Amp. Max. Full Load Current		29.3–33.0	B 45.0
			0.60–0.66	B 0.81	2.11–2.30	B 3.00	7.09–7.83	B 10.2			33.1–36.0	B 50.0
			0.67–0.73	B 0.92	2.31–2.61	B 3.30	7.84–8.47	B 11.5			Size M-1P — 36 Amp. Max. Full Load Current	
			0.74–0.81	B 1.03	2.62–2.99	B 3.70	8.48–9.83	B 12.8				
			0.82–0.91	B 1.16	3.00–3.37	B 4.15	9.84–10.5	B 14.0				
			0.92–1.02	B 1.30	3.38–3.94	B 4.85	10.6–11.4	B 15.5	20.7–23.1	B 32.0		
			1.03–1.14	B 1.45	3.95–4.24	B 5.50	11.5–12.8	B 17.5	23.2–27.1	B 36.0	.....	.....
		Poly-Phase M-0 M-1	0.32–0.34	B 0.44	0.87–0.98	B 1.30	2.52–2.87	B 3.70	6.81–7.51	B 10.2	16.7–19.4	B 28.0
			0.35–0.38	B 0.51	0.99–1.09	B 1.45	2.88–3.24	B 4.15	7.52–7.99	B 11.5	Size M-0 — 18 Amp. Max. Full Load Current	
			0.39–0.43	B 0.47	1.10–1.24	B 1.67	3.25–3.78	B 4.85	8.00–9.23	B 12.8		
			0.44–0.50	B 0.63	1.25–1.39	B 1.88	3.79–4.06	B 5.50	9.24–9.97	B 14.0		
			0.51–0.56	B 0.71	1.40–1.57	B 2.10	4.07–4.36	B 6.25	9.98–10.7	B 15.5	19.5–21.1	B 32.0
			0.57–0.63	B 0.81	1.58–1.73	B 2.40	4.37–5.02	B 6.90	10.8–12.1	B 17.5	21.2–24.4	B 36.0
			0.64–0.70	B 0.92	1.74–2.02	B 2.65	5.03–5.50	B 7.70	12.2–13.1	B 19.5	24.5–27.0	B 40.0
			0.71–0.78	B 1.03	2.03–2.21	B 3.00	5.51–6.10	B 8.20	13.2–15.2	B 22.0	Size M-1 — 27 Amp. Max. Full Load Current	
			0.79–0.86	B 1.16	2.22–2.51	B 3.30	6.11–6.80	B 9.10	15.3–16.6	B 25.0		

SQUARE D MELTING ALLOY OVERLOAD RELAY THERMAL UNITS FOR MAGNETIC STARTERS©

For Use With												
Class	Type	Size	Motor Full Load Current	Thermal Unit Number	Motor Full Load Current	Thermal Unit Number	Motor Full Load Current	Thermal Unit Number	Motor Full Load Current	Thermal Unit Number	Motor Full Load Current	Thermal Unit Number
8536 (Starter In Own Enclosure)	A Series C (Class 8536 Only)	00 Single Phase	0.42–0.46	A 0.49	0.82–0.89	A 0.95	1.52–1.62	A 1.75	2.78–2.99	A 3.61	5.24–5.39	A 6.99
			0.47–0.50	A 0.54	0.90–0.98	A 1.02	1.63–1.73	A 1.86	3.00–3.26	A 3.95	5.40–5.88	A 7.65
			0.51–0.55	A 0.59	0.99–1.12	A 1.16	1.74–1.86	A 1.99	3.27–3.59	A 4.32	5.89–6.56	A 8.38
			0.56–0.62	A 0.65	1.13–1.20	A 1.25	1.87–2.02	A 2.15	3.60–3.99	A 4.79	6.57–7.18	A 9.25
			0.63–0.67	A 0.71	1.21–1.34	A 1.39	2.03–2.25	A 2.31	4.00–4.42	A 5.30	7.19–7.80	A 9.85
			0.68–0.73	A 0.78	1.35–1.41	A 1.54	2.26–2.46	A 2.57	4.43–4.61	A 5.78	7.81–9.00	A 11.0
			0.74–0.81	A 0.86	1.42–1.51	A 1.63	2.47–2.77	A 2.81	4.62–5.23	A 6.20	.....	.....
		00 Poly Phase	0.39–0.43	A 0.49	0.78–0.84	A 0.95	1.43–1.52	A 1.75	2.74–2.86	A 3.61	5.01–5.16	A 6.99
			0.44–0.47	A 0.54	0.85–0.93	A 1.02	1.53–1.63	A 1.86	2.87–3.14	A 3.95	5.17–5.56	A 7.65
			0.48–0.52	A 0.59	0.94–1.05	A 1.16	1.64–1.75	A 1.99	3.15–3.47	A 4.32	5.57–6.22	A 8.38
			0.53–0.58	A 0.65	1.06–1.13	A 1.25	1.76–1.90	A 2.15	3.48–3.83	A 4.79	6.23–6.89	A 9.25
			0.59–0.64	A 0.71	1.14–1.25	A 1.39	1.91–2.13	A 2.31	3.84–4.16	A 5.30	6.90–7.36	A 9.85
			0.65–0.68	A 0.78	1.26–1.33	A 1.54	2.14–2.33	A 2.57	4.17–4.43	A 5.78	7.37–7.99	A 11.0
			0.69–0.77	A 0.86	1.34–1.42	A 1.63	2.34–2.73	A 2.81	4.44–5.00	A 6.20	8.00–9.00	A 11.9
	SB, SC Series A	0, 1 Type S	0.29–0.31	B 0.44	1.06–1.22	B 1.67	4.01–4.40	B 6.25	11.9–13.2	B 19.5	Size 1 — 27 Amp. Max. Full Load Current	
			0.32–0.34	B 0.51	1.23–1.34	B 1.88	4.41–4.88	B 6.90	13.3–14.9	B 22.		
			0.35–0.38	B 0.57	1.35–1.51	B 2.10	4.89–5.19	B 7.70	15.0–16.6	B 25.		
			0.39–0.45	B 0.63	1.52–1.71	B 2.40	5.20–5.73	B 8.20	16.7–18.9	B 28.0	.....	.....
			0.46–0.54	B 0.71	1.72–1.93	B 2.65	5.74–6.39	B 9.10	.....	.....	.....	.....
			0.55–0.61	B 0.81	1.94–2.14	B 3.00	6.40–7.13	B 10.2	Size 0 — 18 Amp. Max. Full Load Current		.....	.....
			0.62–0.66	B 0.92	2.15–2.40	B 3.30	7.14–7.90	B 11.5	.....	.....	.....	.....
			0.67–0.73	B 1.03	2.41–2.72	B 3.70	7.91–8.55	B 12.8	19.0–21.2	B 32.	.....	.....
			0.74–0.81	B 1.16	2.73–3.15	B 4.15	8.56–9.53	B 14.	21.3–23.0	B 36.	.....	.....
			0.82–0.94	B 1.30	3.16–3.55	B 4.85	9.54–10.6	B 15.5	23.1–25.5	B 40.	.....	.....
			0.95–1.05	B 1.45	3.56–4.00	B 5.50	10.7–11.8	B 17.5	25.6–27.0	B 45.	.....	.....
	SD Series A	2 Type S	3.29–3.74	B 4.85	6.14–6.91	B 9.10	11.7–12.9	B 17.5	23.7–26.3	B 36.	40.8–41.9	B 66.
			3.75–4.23	B 5.50	6.92–7.70	B 10.2	13.0–14.6	B 19.5	26.4–29.3	B 40.	42.0–45.0	B 70.
			4.24–4.68	B 6.25	7.71–8.56	B 11.5	14.7–16.5	B 22.	29.4–35.1	B 45.	.....	.....
			4.69–5.22	B 6.90	8.57–9.39	B 12.8	16.6–18.5	B 25.	35.2–36.1	B 50.	.....	.....
			5.23–5.67	B 7.70	9.40–10.4	B 14.	18.6–21.0	B 28.	36.2–39.1	B 56.	.....	.....
			5.68–6.13	B 8.20	10.5–11.6	B 15.5	21.1–23.6	B 32.	39.2–40.7	B 62.	.....	.....
	SE Series A	3 Single Phase Type S	15.5–16.4	CC 20.9	23.5–25.6	CC 33.3	36.6–39.1	CC 54.5	55.0–59.9	CC 87.7	77.5–80.7	CC 143.
			16.5–17.6	CC 22.8	25.7–27.3	CC 36.4	39.2–41.7	CC 59.4	60.0–63.3	CC 94.0	80.8–83.1	CC 156.
			17.7–19.1	CC 24.6	27.4–29.4	CC 39.6	41.8–44.8	CC 64.3	63.4–67.2	CC 103.	83.2–87.3	CC 167.
			19.2–20.4	CC 26.3	29.5–31.5	CC 42.7	44.9–48.0	CC 68.5	67.3–72.4	CC 112.	87.4–90.0	CC 180.
			20.5–22.1	CC 28.8	31.6–33.7	CC 46.6	48.1–50.7	CC 74.6	72.5–74.9	CC 121.	.....	.....
			22.2–23.4	CC 31.0	33.8–36.5	CC 50.1	50.8–54.9	CC 81.5	75.0–77.4	CC 132.	.....	.....
		3 Poly-Phase Type S	14.4–15.3	CC 20.9	22.8–24.2	CC 33.3	34.3–36.9	CC 54.5	52.0–56.5	CC 87.7	73.0–74.9	CC 143.
			15.4–16.4	CC 22.8	24.3–25.9	CC 36.4	37.0–39.8	CC 59.4	56.6–60.7	CC 94.0	75.0–77.9	CC 156.
			16.5–18.4	CC 24.6	26.0–27.8	CC 39.6	39.9–42.3	CC 64.3	60.8–64.8	CC 103.	78.0–80.9	CC 167.
			18.5–19.6	CC 26.3	27.9–29.8	CC 42.7	42.4–45.3	CC 68.5	64.9–67.1	CC 112.	81.0–82.9	CC 180.
			19.7–21.0	CC 28.8	29.9–31.7	CC 46.6	45.4–47.9	CC 74.6	67.2–70.1	CC 121.	83.0–90.0	CC 196.
			21.1–22.7	CC 31.0	31.8–34.2	CC 50.1	48.0–51.9	CC 81.5	70.2–72.9	CC 132.	.....	.....
	SF Series A	4 Poly-Phase Type S	43.6–45.5	CC 64.3	57.7–62.4	CC 87.7	76.0–81.9	CC 121.	98.5–105.	CC 167.	132.–135.	CC 219.
			45.6–49.6	CC 68.5	62.5–67.5	CC 94.0	82.0–84.6	CC 132.	106.–117.	CC 180.	.....	.....
			49.7–53.1	CC 74.6	67.6–71.1	CC 103.	84.7–90.7	CC 143.	118.–123.	CC 196.	.....	.....
			53.2–57.6	CC 81.5	71.2–75.9	CC 112.	90.8–98.4	CC 156.	124.–131.	CC 208.	.....	.....
	G Series B	5	84.0–91.4	DD 112.	107.–114.	DD 140.	138.–155.	DD 185.	193.–214.	DD 265.	.....	.....
			91.5–99.4	DD 121.	115.–123.	DD 150.	156.–176.	DD 220.	215.–229.	DD 300.	.....	.....
			99.5–106.	DD 128.	124.–137.	DD 160.	177.–189.	DD 250.	230.–270.	DD 320.	.....	.....

©Based on motor service factor of 1.15 or higher. Order thermal units by number.....Price Each $1.50

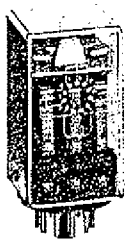
Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D AC AND DC MAGNETIC RELAYS — CLASS 8501

TYPE K GENERAL PURPOSE RELAY

Type K general purpose relays are designed for multi-pole switching applications below 150 volts. Their small size particularly lends their use to the control of industrial or commercial control apparatus. Two basic versions of this relay are available:

TUBE TYPE — Features a universal pin and wiring arrangement.



CONTACTS: 10 AMP. RESISTIVE — 150 VOLTS MAX.					
				Dust Cover Enclosed	
Coil	Mounting Method	Termination	Poles	Type	Price
AC 50/60 Cycles	Socket	8 Pin	2 PDT	KP12	$ 8.20
		11 Pin	3 PDT	KP13	10.25
DC	Socket	8 Pin	2 PDT	KPD12	8.20
		11 Pin	3 PDT	KPD13	10.25

SOCKETS						
Termination	Mounting	Amp. Rating	Pins	Poles	Type	Price
Screw	Front or Back Panel	5	8	2 PDT	NR1	$1.75
		10	11	3 PDT	NR2	4.05
Solder	Front Panel	3	8	2 PDT	NR3	.25
		3	11	3 PDT	NR4	.35



Type NR1



Type NR3 and NR4

COMBINATION TERMINAL TYPE — Offers the maximum in mounting and wiring versatility.



CONTACTS: 10 AMP. RESISTIVE — 150 VOLTS MAX.									
			Direct Panel Mounting Without Socket				Socket Mounting	
			Open Type		Dust Cover Enclosed		Dust Cover Enclosed	
Coil	Wiring Method	Poles	Type	Price	Type	Price	Type	Price
AC 50/60 Cycles	Solder or .110 slip-on connector	2 PDT	KR12	$5.20	KT12	$5.60	KS12	$5.60
		3 PDT	KR13	5.75	KT13	6.30	KS13	6.30
DC	Solder or .110 slip-on connector	2 PDT	KRD12	5.20	KTD12	5.60	KSD12	5.60
		3 PDT	KRD13	5.75	KTD13	6.30	KSD13	6.30

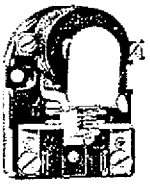


SOCKETS — 10 AMPERES				
Wiring Method	Mounting Method	Poles	Type	Price
Solder or .187 slip-on connector	Front Panel	2	NK32	$1.75
		3	NK3	3.00
	Track‡	2	NK32T	1.25
		3	NK3T	3.20

‡Sockets mount on track for Square D Class 9080 terminal block line and interlock with 300 and 600 volt blocks. See Page 215.

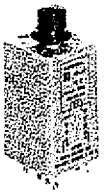
TYPE C RELAY — CLASS 8501

Type C horsepower rated magnetic relays are used as auxiliary devices for controlling small single phase motors, or other light loads such as electric heaters, pilot lights, or audible signals.



Type CO-1

25-60 CYCLES							SINGLE AND DOUBLE POLE			
No. of Poles N.O.	No. of Poles N.C.	Max. Contact Volts	Amp. Rating	AC Pilot Duty VA	Maximum Single Phase Horsepower		General Purpose Enclosure NEMA Type 1		Open Type	
					115 V.	230 V.	Type	Price	Type	Price
1	0	277	15	690	1	1½	CG-1	$ 8.	CO-1	$ 5.50
2	0	277	10	345	½	½	CG-2	11.	CO-2	8.50
1	1	277	10	345	½	½	CG-3	12.50	CO-3	10.
0	2	277	10	345	½	½	CG-4	12.50	CO-4	10.
0	1	277	15	690	¾	1	CG-5	8.50	CO-5	6.
1	0	277	10	690	½	¾	CG-11	9.50	CO-11	7.
1	1	277	10	690	½	¾	CG-12	11.	CO-12	8.50
1	0	277	10	690	½	¾	CG-13	10.	CO-13	7.50
		600	5	690						
1	1	277	10	690	½	¼	CG-14	11.50	CO-14	9.
		600	5	690						



Combination Terminal Type Timing Relay Uses Type NK Sockets



Tube Type Timing Relay Uses 8 Pin Octal Sockets

PLUG-IN SOLID STATE TIMERS AND TIMING RELAYS CLASS 8501 TYPE J

Designed to be used alone or with the Type K general purpose relays listed above. Offer ± 1% repeat accuracy. Dials are calibrated in seconds for fast, accurate adjustment.

Input Volts	Knob Adjustable Timing Range (Sec)	Tube Type Timing Relays Type K Relay Included in Case		Combination Terminal Type Timers Use With Separate Type KS Relay	
		Type	Price	Type	Price
24 or 120 AC	0.1-10	JA-5S	$56.	JC-2S	$56.
	0.6-60	JA-5T	55.	JC-2T	55.
	1.8-180	JA-5U	56.	JC-2U	55.
24, 48 or 110 DC	0.1-10	JE-5S	52.	JG-2S	52.
	0.6-60	JE-5T	52.	JG-2T	52.
	1.8-180	JE-5U	52.	JG-2U	52.

ORDERING INFORMATION REQUIRED — 1—Class and type number. 2—Coil voltage and frequency.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D AC MAGNETIC RELAYS—CLASS 8501

300 VOLT AC CONTROL RELAYS

TYPE G—CONVERTIBLE CONTACTS

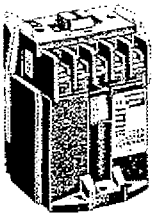
Class 8501 Type G systems relays feature small size, convertible contacts, modular construction, timer and mechanically held attachments. In addition to those listed below, dc operated relays and 10 and 12 pole ac relays are also available; consult Graybar.

TYPE G—AC RELAY—OPEN TYPE★

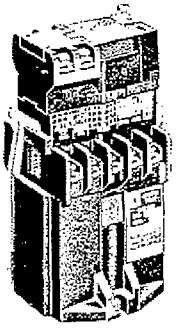
50-60 CYCLES	CLASS 8501		RELAY CONTACTS 10 AMPERES, 300 VOLTS MAX.				
					Relay Operated Pneumatic Timers✻		
No. of Poles on Relay▲ (Instantaneous Contacts)	Standard Relay		Mechanically Held Latching Relay		Time Delay After De-energization	Time Delay After Energization	
	Type	Price	Type	Price	Type	Type	Price
0	.....	.....	.....	.....	GO-00-GD	GO-00-GE	$35.
2	GO-20	$12.	GO-20-GL	$26.	GO-20-GD	GO-20-GE	40.
3	GO-30	14.	GO-30-GL	28.	GO-30-GD	GO-30-GE	42.
4	GO-40	15.	GO-40-GL	30.	GO-40-GD	GO-40-GE	44.
6	GO-60	20.	GO-60-GL	34.	.....	.....	.....
8	GO-80	24.	GO-80-GL	38.	.....	.....	.....

★Also available in NEMA 1, General Purpose Enclosure. To order, change Type No. from GO to GG and add $3.00 to open type price. DC relays are also available.

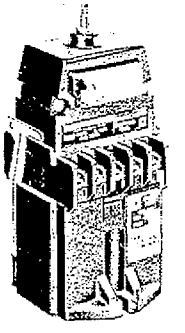
▲The Type numbers listed cover relays with all instantaneous contacts normally open. For relays having a combination of normally open and normally closed contacts add $2.00 list per relay.



Standard Relay Four Pole



Four Pole Relay with Timer Attachment



Four Pole Relay with Mechanically Held Attachment

TYPE G ACCESSORIES

Description	AC	
	Type	Price
Mechanically Held Attachment	GL	$14.
Pneumatic Timer Attachment — Time Delay after De-energization✻	GD	28.
Pneumatic Timer Attachment — Time Delay after Energization✻	GE	28.
Solid State Timer Attachment — Time Delay after Energization†	GTD-1	55.
Universal Pole Attachment‡	GU-44	10.
Mounting Track:		
12" long for 4 relays	G-4	1.00
24" long for 8 relays	G-8	1.50
36" long for 12 relays	G-12	2.25
48" long for 16 relays	G-16	2.75
Transient Suppressor	G-6	3.00
Basic 4 Pole Relay without Contacts — For use with Pneumatic Timing Attachments to Provide a Timer without Instantaneous Contacts	GO-00	8.

✻Relay operated pneumatic timers or timing attachments have a timing range of .2 seconds to 1 minute with an accuracy of within ± 15% of timer setting. Type GD timer attachment can be converted to Type GE or vice versa in the field without any additional parts. Contacts are single pole, double throw and must be used on circuits of same polarity. Pneumatic timer attachment fits 2, 3 and 4 pole ac relays.

†Solid state timer attachmeat has a timing range of from .2 seconds to 30 seconds with an accuracy of ± 2%.

‡The Universal Pole attachment has 4 normally open and 4 normally closed fixed contacts and can be mounted on a 2, 3 or 4 pole AC relay.

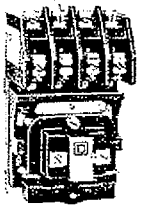
ORDERING INFORMATION REQUIRED:

1. Class and Type Number.
2. Voltage and frequency of operating coil.

600 VOLT CONTROL RELAYS

TYPE H—CONVERTIBLE CONTACTS

The Class 8501, Type H relay is a 10 ampere, 600 volt relay with easily convertible contacts. It has a heavy duty contact rating and excellent contact reliability. The Type Numbers listed in the table cover open type relays with all contacts normally open. Enclosed type relays are also available. For relays having a combination of normally open and normally closed contacts, add **$3.00** list per relay.



Type HO-40

50-60 CYCLES	CLASS 8501		0-600 VOLTS	
No. of Poles	Standard Relay		Latching Relay	
	Type	Price	Type	Price
2	HO-20	$15.	HLO-20	$29.
3	HO-30	18.	HLO-30	32.
4	HO-40	20.	HLO-40	34.
6	HO-60	30.	HLO-60	44.
8	HO-80	36.	HLO-80	50.

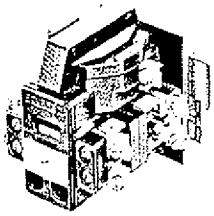
TYPE H ACCESSORIES

Description	Type	Price
Left Hand Normally Open Adder Pole	H1L	$3.00
Right Hand Normally Open Adder Pole	H1R	3.00
Mounting Track:		
18" long	H-6	1.80
36" long	H-12	2.40
54" long	H-18	3.00
Transient Suppressed Coil for Standard Relay	Order By Description	8.00
Standard Relay with Transient Suppressed Coil Factory Installed	Form Y-145	Add $2.00 List

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D AC MAGNETIC RELAYS — CLASS 8501

TYPE D — FIXED CONTACTS



Type DO-22

Class 8501 Type D compact control relays are available with from 2 to 10 contacts in the combinations listed below. This line of long life relays has tilted terminals with pressure wire connectors for ease of wiring. The relay can be disassembled quickly and easily for maintenance by loosening only two screws.

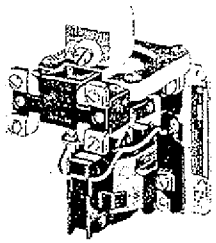
50-60 HERTZ — 10 AMPERES — 6 — 600 VOLTS

Description	No. of Contacts Normally Open	No. of Contacts Normally Closed	Open Type		General Purpose Enclosure NEMA Type 1		Water-Tight Enclosure NEMA Type 4		Class 1, Group D Class 2, Groups E, F and G NEMA Type 7-9	
			Type	Price	Type	Price	Type	Price	Type	Price
2 Pole, Single Throw	2	0	DO-20	$13.	DG-20	$16.	DW-20	$33.	DR-20	$69.
2 Pole, Single Throw	0	2	DO-02	16.	DG-02	19.	DW-02	36.	DR-02	72.
2 Pole, Double Throw	2	2	DO-22	18.	DG-22	21.	DW-22	54.	DR-22	74.
4 Pole, Single Throw	4	0	DO-40	17.	DG-40	20.	DW-40	53.	DR-40	73.
4 Pole, 2 Double Throw	4	2	DO-42	23.50	DG-42	27.	DW-42	60.	DR-42	80.
8 Pole	4	4	DO-44	23.50	DG-44	27.	DW-44	66.	DR-44	86.
6 Pole	6	0	DO-60	25.	DG-60	28.	DW-60	61.	DR-60	81.
8 Pole	6	2	DO-62	33.	DG-62	36.	DW-62	69.	DR-62	89.
8 Pole, 2 Double Throw	6	4	DO-64	35.	DG-64	38.	DW-64	71.	DR-64	91.
8 Pole	8	0	DO-80	30.	DG-80	33.	DW-80	66.	DR-80	86.
8 Pole, 2 Double Throw	8	2	DO-82	41.	DG-82	44.	DW-82	77.	DR-82	97.

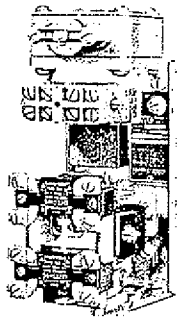
SQUARE D PNEUMATIC — SOLID STATE TIMING RELAYS — CLASS 9050

PNEUMATIC TIMING RELAYS*

TYPE A
ADJUSTABLE RANGE — .1 SECOND TO 1 MINUTE
REPEAT ACCURACY — ± 10%



Type AO-1E



Type BO-23D

TYPE A — AC TIMER — CLASS 9050 — 50-60 HERTZ 600 VOLTS MAX.

Type of Operation	General Purpose Enclosure NEMA Type 1		Open Type	
	Type	Price	Type	Price
Time Delay after De-energization of Relay (Off Delay)	AG-1D	$35.	AO-1D	$32.
Time Delay after Energization of Relay (On Delay)	AG-1E	36.	AO-1E	32.

*See Page 207 for Type G relay timer attachment.

TYPE B
ADJUSTABLE RANGE — .05 SECOND TO 3 MINUTES
REPEAT ACCURACY — ± 10%

TYPE B — AC TIMER — CLASS 9050 — 25-60 HERTZ 600 VOLTS MAX.

Type of Operation	Dial	Features: Time Delay Contacts N.O.	Time Delay Contacts N.C.	Instantaneous Interlocks N.O.	Instantaneous Interlocks N.C.	SURFACE MOUNTING: General Purpose Enclosure NEMA Type 1 Type	Price	Water-tight & Dust-tight Enclosure NEMA Type 4 & 12 Type	Price	For Hazardous Locations NEMA Type 7 & 9 Type	Price	Open Type Type	Price	Flush Mounting Without Pull Box Type	Price
Time Delay after De-energization of Relay (Off Delay)	Without Dial	1	1	...	...	BG-1D	$80.	BW-1D	$90.	BR-1D	$160.	BO-1D	$50.	BF-1D	$58.
		1	1	1	1	BG-2D	65.	BW-2D	95.	BR-2D	165.	BO-2D	55.	BF-2D	63.
		1	1	2	2	BG-3D	70.	BW-3D	100.	BR-3D	170.	BO-3D	60.	BF-3D	68.
		2	2	...	...	BG-21D	75.	BW-21D	105.	BR-21D	175.	BO-21D	65.	BF-21D	73.
		2	2	1	1	BG-22D	80.	BW-22D	110.	BR-22D	180.	BO-22D	70.	BF-22D	78.
		2	2	2	2	BG-23D	85.	BW-23D	115.	BR-23D	185.	BO-23D	75.	BF-23D	83.
Time Delay after Energization of Relay (On Delay)	Without Dial	1	1	...	...	BG-1E	$60.	BW-1E	5 90.	BR-1E	$160.	BO-1E	$50.	BF-1E	$58.
		1	1	1	1	BG-2E	65.	BW-2E	95.	BR-2E	165.	BO-2E	55.	BF-2E	63.
		1	1	2	2	BG-3E	70.	BW-3E	100.	BR-3E	170.	BO-3E	60.	BF-3E	68.
		2	2	...	...	BG-21E	75.	BW-21E	105.	BR-21E	176.	BO-21E	65.	BF-21E	73.
		2	2	1	1	BG-22E	80.	BW-22E	110.	BR-22E	180.	BO-22E	70.	BF-22E	78.
		2	2	2	2	BG-23E	85.	BW-23E	115.	BR-23E	185.	BO-23E	75.	BF-23E	83.

SOLID STATE TIMING RELAYS
TYPE E
REPEAT ACCURACY — ± 2% WITH CONSTANT TEMPERATURE AND LINE VOLTAGE

TYPE E — AC TIMER — CLASS 9050 — 50-60 HERTZ 120 VOLTS MAX.

Type of Operation	Timing Range	Timed Output	Open Type Type	Price	Type of Operation	Timing Range	Timed Output	Open Type Type	Price
Time Delay after Energization (On Delay) Convertible to Time Delay after De-energization (Off Delay)†	.05 to 10 seconds	2 N.O.-2 N.C. Relay	EO-3	$78.00	Time Delay after De-energization (Off Delay) Non-convertible	.2 to 10 seconds	1 N.O.-1 N.C. Relay	EO-12D	$60.00
	.05 to 30 seconds	2 N.O.-2 N.C. Relay	EO-3-S1	93.00		.2 to 30 seconds	1 N.O.-1 N.C. Relay	EO-13D	60.00
Time Delay after Energization (On Delay) Non-convertible	.2 to 10 seconds	1 N.O.-1 N.C. Relay	EO-12E	60.00	Sequencing (Repeat Cycle, On-Off)	.2 to 10 seconds	1 N.O. Solid State	EO-22	90.00
	.2 to 30 seconds	1 N.O.-1 N.C. Relay	EO-13E	60.00		.2 to 30 seconds	1 N.O. Solid State	EO-23	90.00

†Converted by a simple wiring change. When connected for OFF delay, if the initiating contact is open when power is first applied to the timing relay, it will go through one timed cycle. After first cycle or if initiating contact is closed when power is first applied, normal OFF delay is obtained.

ORDERING INFORMATION REQUIRED:

1. Class and Type number.
2. Voltage and Frequency of operating coil.

SQUARE D CONTROL STATIONS — CLASS 9001

STANDARD DUTY CONTROL STATIONS

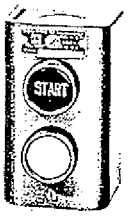
Standard duty control stations are designed for use with magnetic motor starters to govern the starting, stopping, or reversing of all types of electric motors. Push buttons are momentary contact unless otherwise indicated. Selector switches are maintained contact.

GENERAL PURPOSE ENCLOSURES — **CLASS 9001** — **600 VOLTS MAX. AC OR DC**

No. of Units	Nameplate Markings and Features	Surface Mounting NEMA Type 1		Flush Mounting without Pullbox▲		Stainless Steel Flush Plate with Pullbox		Molded Neoprene Pendant Type with Mechanical Interlock◐		Water-tight and Dust-tight Enclosures NEMA Type 4		For Hazardous Locations Class I, Groups B, C & D or Class II Groups E, F & G NEMA Types 7 & 9	
		Type	Price	Type	Price	Type	Price	Type	Price	Type	Price	Type	Price
1	Start	B-32	$6.	BB-1	$ 7.50	BF-19	$11.	.....	....	BW-46	$19.	BR-32	$23.
	Stop	B-33	6.	BB-2	7.50	BF-20	11.	.....	....	BW-47	19.		
	Stop (Lockout)	B-38	9.	BB-3	10.50	.....	....	.....	....	BW-48	19.	BR-38	23.
	Hand-Off-Auto (3 Pos. Sel. Switch)	C-47●	6.	CB-47●	7.50	.....	....	.....	....	.....	....	.....	....
2	Start-Stop	B-30	$6.	BB-4	$ 7.50	BF-13	$11.	B-64Y△	$8.	BW-40	$19.	.....	....
	Start-Stop (Mushroom on Stop)	B-50	9.	BB-10	10.50	.....	....	.....	....	BW-50	22.	.....	....
	Start-Stop (Lockout on Stop)	B-31	9.	BB-5	10.50	.....	....	.....	....	BW-41	19.	BR-31	$23.
	Forward-Reverse	B-34	7.50	BB-6	9.	BF-22	12.50	B-61Y	9.	BW-42	19.	BR-34	23.
	Up-Down	B-35	7.50	BB-7	9.	BF-23	12.50	B-60Y	8.	BW-43	19.	BR-35	23.
	Open-Close	B-36	7.50	BB-8	9.	BF-24	12.50	.....	....	BW-44	19.	BR-36	23.
	On-Off	B-37	7.50	BB-9	9.	BF-25	12.50	B-66Y△	8.	BW-45	19.	BR-37	23.
	Start-Stop (Maintained Contact)	C-41	9.	CB-1	10.50	.....	....	.....	....	CW-5	22.	CR-41	23.
	On-Off (Maintained Contact)	C-42	9.	CB-2	10.50	.....	....	.....	....	CW-6	22.	CR-42	23.

●Rated 600 V. AC, 250 V. DC. ▲Pullbox not available. △Without mechanical interlock.
◐Enclosures are yellow. To order black or red enclosures substitute letter "B" or "R" respectively for letter "Y" in Type No.

ORDERING INFORMATION REQUIRED: Order by class and type number.



Type B-30
Standard Duty
Control Station

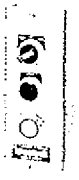
HEAVY DUTY CONTROL STATIONS

Heavy duty stations are intended for use in the control circuits of magnetic starters or control relays and are available in almost any combination of momentary or maintained contact push button units, selector switches, and indicating lights. Heavy duty stations are well adapted for frequent operation and severe service.

600 VOLTS AC — **CLASS 9001** — **600 VOLTS DC**

No. of Units	Description: Nameplate Markings	Description: Features	General Purpose Surface Mounting NEMA Type 1		General Purpose Flush Mounting Without Pullbox		General Purpose Flush Mounting With Pullbox		Water-tight & Dust-tight NEMA Type 4		Class I Groups B, C and D Class II, Groups E, F and G NEMA Types 7 and 9†	
			Type	Price	Type	Price	Type	Price	Type	Price	Type	Price
1	Start		GG-101	$11.	GF-101	$11.	GFP-101	$17.	GW-101	$23.	GR-101	$27.
	Stop		GG-102	11.	GF-102	11.	GFP-102	17.	.....	....	.....	....
	Stop	Lockout	GG-103	14.	GF-103	14.	GFP-103	20.	GW-103	23.	GR-103	27.
	Stop	Mushroom Button	GG-107	14.	GF-107	14.	GFP-107	20.	.....	....	.....	....
	Start	Mushroom Button	GG-108	14.	GF-108	14.	GFP-108	20.	GW-108	26.	GR-108	30.
	Off-On	Selector Switch	GG-119	12.	GF-119	12.	GFP-119	18.	GW-119	24.	GR-119	28.
	For.-Rev.	Selector Switch	GG-121	12.	GF-121	12.	GFP-121	18.	GW-121	24.	GR-121	28.
	Jog-Run		GG-122	12.	GF-122	12.	GFP-122	18.	GW-122	24.	GR-122	28.
	Hand-Off-Auto	Selector Switch	GG-123	12.	GF-123	12.	GFP-123	18.	GW-123	24.	GR-123	28.
2	Start-Stop		GG-201	$17.	GF-201	$17.	GFP-201	$23.	.....	....	.....	....
	For.-Rev.		GG-202	17.	GF-202	17.	GFP-202	23.	GW-202	$26.	GR-202	$30.
	Up-Down		GG-203	17.	GF-203	17.	GFP-203	23.	GW-203	26.	GR-203	30.
	Open-Close		GG-204	17.	GF-204	17.	GFP-204	23.	GW-204	26.	GR-204	30.
	High-Low		GG-205	17.	GF-205	17.	GFP-205	23.	GW-205	26.	GR-205	30.
	Start-Stop	Lockout on Stop	GG-206	26.	GF-206	20.	GFP-206	26.	GW-206	26.	GR-206	30.
	On-Off		GG-210	17.	GF-210	17.	GFP-210	23.	GW-210	26.	GR-210	30.

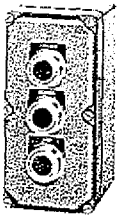
†NEMA Type 4, 7 and 9 stations as standard have provision for padlocking the "Stop" button in the depressed position.



Heavy Duty
General Purpose
Surface Mounted
Control Station



Type KZK-31



Type KYK-31

Heavy Duty Oil-Tight
Control Stations

ORDERING INFORMATION REQUIRED: Order by class and type number.

HEAVY DUTY OIL-TIGHT CONTROL STATIONS

NEMA 13 heavy duty oil-tight control stations are available for surface or flush mounting. Completely assembled stations can be supplied, or enclosures and various control units can be purchased for assembly as control stations.

STANDARD FACTORY ASSEMBLED STATIONS — NEMA 13

No. of Units	Nameplate Markings	Features	Surface Mounting Type		Flush Mounting Type	
			Type	Price	Type	Price
1	Start		KYK-11	$16.	KZK-11	$12.
	Start	Mushroom Button	KYK-12	19.	KZK-12	15.
	Stop		KYK-13	16.	KZK-13	12.
	Stop	Mushroom Button	KYK-14	19.	KZK-14	15.
	Off-On	Selector Switch	KYK-110	17.	KZK-110	13.
	Hand-Off-Auto	Selector Switch	KYK-111	17.	KZK-111	13.
2	Start-Stop		KYK-21	$23.	KZK-21	$18.
	Start-Stop	Mushroom on Stop	KYK-22	26.	KZK-22	21.
	Start-Stop	Lockout on Stop	KYK-23	26.	KZK-23	21.
	Up-Down		KYK-25	23.	KZK-25	18.
	Start-Stop	Maintained Contact	KYK-27	23.	KZK-27	18.

NEMA TYPE 13 INDUSTRIAL USE ENCLOSURES FOR ASSEMBLY OF STATIONS BY USER

No. of Units	Enclosure Only		Cover Plate Only	
	Type	Price	Type	Price
1	KY-1	$10.	KZ-11	$ 6.
2	KY-2	11.	KZ-21	6.
3	KY-3	13.	KZ-31	7.
4	KY-4	16.	KZ-41	10.
6	KY-6	20.	KZ-6	14.
9	KY-9	26.	KZ-9	19.
12	KY-12	35.	KZ-12	27.
16	KY-16	45.	KZ-16	37.

ORDERING INFORMATION REQUIRED FOR USER ASSEMBLED STATIONS:

1. Specify Class and Type number shown above.
2. Submit sketch showing all control units in their desired location. (Forms for this purpose are available from Graybar.)
3. Select control units from the following two pages.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D HEAVY DUTY OIL-TIGHT CONTROL UNITS — CLASS 9001

GENERAL INFORMATION

The Class 9001 Type K heavy duty oil-tight push button line meets the requirement for operators that have a minimum projection in front of the panel (low silhouette) and mount in a notch type hole. The operators are held in place by the nameplate or an indexing ring.

The Type K complete line consists of separate operators, contact blocks, legend plates, and enclosures that may be assembled in any combination to meet a variety of requirements. Although the oil-tight units were designed for machine tool applications, they can be used for any general purpose non oil-tight application.

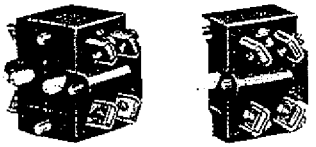
SELECTION GUIDE

OPERATORS

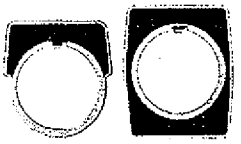


Description	Page
Standard Push Buttons	210
Illuminated Push Buttons	211
Selector Switches — Illuminated and Non-Illuminated	211
Pilot Lights — Standard and Push-to-Test	211

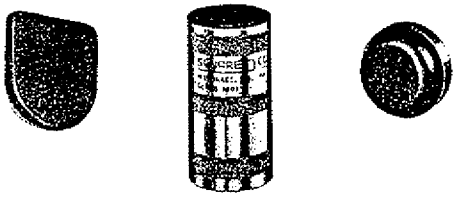
CONTACT BLOCKS Page 212



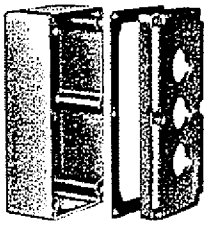
LEGEND PLATES Page 212



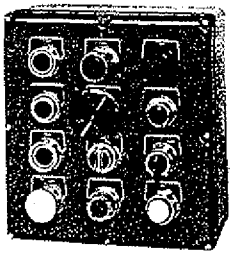
ACCESSORIES Page 212



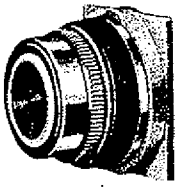
ENCLOSURES Page 209



CONTROL STATIONS Page 209

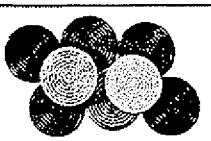


STANDARD PUSH BUTTON — NON-ILLUMINATED OPERATORS



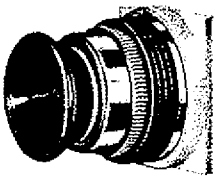
— Push Button — Full Guard shown

Insert Color	Full Guard Type	Extended Guard Type	No Guard Type	Price*
Black	KR-1B	KR-2B	KR-3B	$2.70
Red	KR-1R	KR-2R	KR-3R	
Green	KR-1G	KR-2G	KR-3G	
Brown	KR-1N	KR-2N	KR-3N	
Yellow	KR-1Y	KR-2Y	KR-3Y	
Orange	KR-1S	KR-2S	KR-3S	
Blue	KR-1L	KR-2L	KR-3L	
White	KR-1W	KR-2W	KR-3W	
Universal (All Colors)	KR-1U	KR-2U	KR-3U	



COLOR INSERTS FOR PUSH BUTTON

Color	Type	Price Each	Min. Order Qty.
Black	T-6BK	.05	10
Red	T-6RD	.05	10
Green	T-6GN	.05	10
Brown	T-6BN	.05	10
Yellow	T-6YW	.05	10
Orange	T-6OE	.05	10
Blue	T-6BE	.05	10
White	T-6WH	.05	10
Universal (All Colors)	T-6U	.40	10



— Push Button — Mushroom Button 1⅜" Dia. shown

Insert Color	1⅜ Dia. Type	2¼ Dia. Type	Price*
Black	KR-4B	KR-5B	$5.70
Red	KR-4R	KR-5R	
Green	KR-4G	KR-5G	
Brown	KR-4N	KR-5N	
Yellow	KR-4Y	KR-5Y	
Orange	KR-4S	KR-5S	
Blue	KR-4L	KR-5L	
White	KR-4W	KR-5W	

*Prices **DO NOT** include legend plate. Order separate legend plate from Table 3 on page 212.

MUSHROOM BUTTON KIT
(Non-Illuminated Operators)



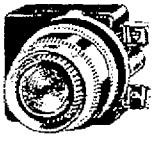
For conversion of standard push button to Mushroom button operator

Color	Type No. 1⅜ Dia.	Type No. 2¼ Dia.	Price
Black	K-16B	K-17B	$3.
Red	K-16R	K-17R	
Green	K-16G	K-17G	
Brown	K-16N	K-17N	
Yellow	K-16Y	K-17Y	
Orange	K-16S	K-17S	
Blue	K-16L	K-17L	

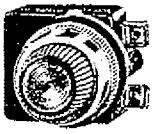
ORDERING INFORMATION REQUIRED

SQUARE D HEAVY DUTY OIL-TIGHT CONTROL UNITS — CLASS 9001

PUSH BUTTON — ILLUMINATED OPERATORS



With Guard



Without Guard

Description	Voltage and Frequency	With Guard: Type without Color Cap	Price†	With Guard: Type with Color Cap	Price†	Without Guard: Type without Color Cap	Price†	Without Guard: Type with Color Cap	Price†
Transformer Type	120 v., 60 cy.; 110 v., 50 cy.	K1L-1	$11.00	K1L-1●	$11.70	K2L-1	$10.00	K2L-1●	$10.70
	110 v., 25-30 cy.	K1L-2		K1L-2●		K2L-2		K2L-2●	
	208-220 v., 50-60 cy.	K1L-3		K1L-3●		K2L-3		K2L-3●	
	220 v., 25-30 cy.	K1L-4		K1L-4●		K2L-4		K2L-4●	
	240 v., 60 cy.; 220 v., 50 cy.	K1L-7		K1L-7●		K2L-7		K2L-7●	
	480 v., 60 cy.; 440 v., 50 cy.	K1L-5		K1L-5●		K2L-5		K2L-5●	
	600 v., 60 cy.; 550 v., 50 cy.	K1L-6		K1L-6●		K2L-6		K2L-6●	

†Prices **DO NOT** include legend plate. Order separate legend plate from Table 3 on Page212. Order separate color caps from table at right.

●Complete Type Number by inserting appropriate color cap code letter listed at right.

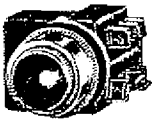
●COLOR CAP CODE LETTER			
Color	Standard	Mushroom Knob 1¾" Dia.	Mushroom Knob 2¼" Dia.
Red	R	R20	R21
Green	G	G20	G21
Amber	A	A20	A21
Blue	L	L20	L21
Clear	C	C20	C21
White	W	W20	W21
Yellow	Y	Y20	Y21

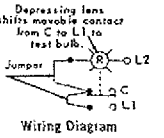
SEPARATE COLOR CAPS
for Illuminated Push Button

Color	Standard Type	Mushroom 1¾" Type	Mushroom 2¼" Type	Price
Red	R-7	R-20	R-21	$.70
Green	G-7	G-20	G-21	
Amber	A-7	A-20	A-21	
Blue	L-7	L-20	L-21	
Clear	C-7	C-20	C-21	
White	W-7	W-20	W-21	
Yellow	Y-7	Y-20	Y-21	

PILOT LIGHTS — STANDARD AND PUSH-TO-TEST







Wiring Diagram

Description	Voltage and Frequency	Standard: Type without Color Cap	Price†	Standard: Type with Color Cap	Price†	Push-to-Test: Type without Color Cap	Price†	Push-to-Test: Type with Color Cap	Price†
Transformer Type	120 v., 60 cy.; 110 v., 50 cy.	KP-1	$10.00	KP-1*	$10.70	KT-1	$13.00	KT-1*	$13.70
	208-220 v., 50-60 cy.	KP-3	10.00	KP-3*	10.70	KT-3	13.00	KT-3*	13.70
	240 v., 60 cy.; 220 v., 50 cy.	KP-7	10.00	KP-7*	10.70	KT-7	13.00	KT-7*	13.70
	480 v., 60 cy.; 440 v., 50 cy.	KP-5	10.00	KP-5*	10.70	KT-5	13.00	KT-5*	13.70
	600 v., 60 cy.; 550 v., 50 cy.	KP-6	10.00	KP-6*	10.70	KT-6	13.00	KT-6*	13.70

†Prices **DO NOT** include legend plate. Order separate legend plate from Table 3 on Page212.

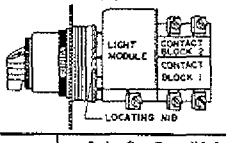
*Complete Type Number by inserting appropriate color cap code letter from table at right.

*COLOR CAP CODE LETTER		
Color	Glass	Plastic
Red	R6	R9
Green	G6	G9
Amber	A6	A9
Blue	L6	L9
Clear	C6	C9
White	W6	W9
Yellow	Y6	Y9

SEPARATE COLOR CAPS
For Standard and Push-to-Test Pilot Light

Color	Type Glass	Type Plastic	Price
Red	R-6	R-9	$.70
Green	G-6	G-9	
Amber	A-6	A-9	
Blue	L-6	L-9	
Clear	C-6	C-9	
White	W-6	W-9	
Yellow	Y-6	Y-9	

SELECTOR SWITCH OPERATORS



Description		Contact Block Number	NON-ILLUMINATED OPERATORS: Two Position Left / Right	Price	NON-ILLUMINATED OPERATORS: Three Position Left / Center / Right	Price	ILLUMINATED OPERATORS: Two Position Left / Right	Price	ILLUMINATED OPERATORS: Three Position Left / Center / Right	Price
Contact Block Only	Order One Type KA-1 Contact Block	#2	X 0 / 0 X Symbol 44 (Cam A)	$ 3.00	X 0 0 / 0 X X Symbol 48 (Cam B) / X 0 0 / 0 0 X Symbol 52 (Cam C)	$ 3.00	X 0 / 0 X Symbol 44 (Cam A)	$ 3.00	X 0 0 / 0 X X Symbol 48 (Cam B) / X 0 0 / 0 0 X Symbol 52 (Cam C)	$ 3.00
	Order Two Type KA-1 Contact Blocks (Mount Side-By-Side)	#2 / #2	X 0 / 0 X	$ 6.00	X 0 0 / 0 X X / X 0 0 / 0 0 X	$ 6.00	X 0 / 0 X	$ 6.00	X 0 0 / 0 X X / X 0 0 / 0 0 X	$ 6.00
		#1 / #2	X 0 / 0 X Symbol 45 (Cam A)		X 0 0 / X X 0 Symbol 49 (Cam B) / X 0 0 / 0 0 X Symbol 53 (Cam C)		X 0 / 0 X Symbol 45 (Cam A)		X 0 0 / X X 0 Symbol 49 (Cam B) / X 0 0 / 0 0 X Symbol 53 (Cam C)	
Operator Only	Type of Operator		Type Number	Price†	Type Number	Price†	Type Number	Price†	Type Number	Price†
	Manual Return —									
	Without Knob		KS-11	$ 3.00	KS-42	$ 3.70	K-11J●	$11.00	K-42J●	$11.70
	Standard Knob		KS-11▲	3.70	KS-42▲	5.70	K-11J●▲	11.70	K-42J●▲	13.70
	Coin Operated		KS-11T▲	5.70	KS-42T▲	3.70	K-11J●T▲	13.70	K-42J●T▲	.....
	Gloved Hand Knob		KS-11F▲	3.70	KS-42F▲	9.70	K-11J●F▲	.....	K-42J●F▲	.....
	Key Operated		KS-11K★	9.70	KS-42K★		.....		.....	

Description		Contact Block Number	Two Position Left / Right	Price	Three Position Left / Center / Right	Price
Contact Block Only	Order One Type KA-1 Contact Block	#2	X 0 / 0 X Symbol 44 (Cam A)	$ 3.00	X 0 0 / 0 X X Symbol 48 (Cam B) / X 0 0 / 0 0 X Symbol 52 (Cam C)	$ 3.00
	Order Two Type KA-1 Contact Blocks (Mount Side-By-Side)	#2 / #2	X 0 / 0 X	$ 6.00	X 0 0 / 0 X X / X 0 0 / 0 0 X	$ 6.00
		#1 / #2	X 0 / 0 X Symbol 45 (Cam A)		X 0 0 / X X 0 Symbol 49 (Cam B) / X 0 0 / 0 0 X Symbol 53 (Cam C)	
Operator Only	Type of Operator		Type Number	Price†	Type Number	Price†
	Manual Return —					
	Without Knob		KS-11	$ 3.00	KS-42 / KS-43	$ 3.70
	Standard Knob		KS-11▲	3.70	KS-42▲ / KS-43▲	5.70
	Coin Operated		KS-11T▲	5.70	KS-42T▲ / KS-43T▲	3.70
	Gloved Hand Knob		KS-11F▲	3.70	KS-42F▲ / KS-43F▲	9.70
	Key Operated		KS-11K★	9.70	KS-42K★ / KS-43K★	

†Prices **DO NOT** include legend plate. Order separate legend plate from Table 3 on Page212. Order separate knobs from Page212.

●▲Complete type number by inserting voltage number (●) and knob color letter (▲) from Table 1 on Page 212.

★Key operated selector switch type numbers must be completed by selecting appropriate key withdrawal number from Table 2 on Page212.

ORDERING INFORMATION REQUIRED: Class and Type number.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D HEAVY DUTY OIL-TIGHT CONTROL UNITS — FOOT SWITCHES

HEAVY DUTY OIL-TIGHT CONTROL UNITS — CLASS 9001

SELECTOR SWITCH OPERATORS

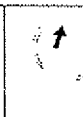
TABLE 1 — INSERT VOLTAGE NUMBER (◐) AND KNOB COLOR LETTER (▲) FROM TABLE BELOW

Description		Color of Knob											
		Amber		Blue		Clear		Green		Red		White		Yellow	
Type	Voltage and Frequency	◐	▲	◐	▲	◐	▲	◐	▲	◐	▲	◐	▲	◐	▲
Transformer Type Incandescent Lamp	120 v., 60 cy.; 110 v., 50 cy.	1	A	1	L	1	C	1	G	1	R	L	W	1	Y
	208-220 v., 50-60 cy.	3	A	3	L	3	C	3	G	3	R	3	W	3	Y
	240 v., 60 cy.; 220 v., 50 cy.	7	A	7	L	7	C	7	G	7	R	7	W	7	Y
	480 v., 60 cy.; 440 v., 50 cy.	5	A	5	L	5	C	5	G	5	R	5	W	5	Y
	600 v., 60 cy.; 550 v., 50 cy.	6	A	6	L	6	C	6	G	6	R	6	W	6	Y

TABLE 2 — (★) KEY WITHDRAWAL ARRANGEMENT — Select appropriate key withdrawal number from table below to complete key operated selector switch type numbers. Position marked "Yes" are those in which the key can be withdrawn, locking the switch in that position.

2-Position Switches			3-Position Switches							
No.	Left	Right	No.	Left	Center	Right	No.	Left	Center	Right
1	Yes	No	4	Yes	No	No	8	Yes	No	Yes
2	No	Yes	5	No	Yes	No	9	No	Yes	Yes
3	Yes	Yes	6	No	No	Yes	10	Yes	Yes	Yes
			7	Yes	Yes	No				

SELECTOR SWITCH KNOBS
(Illuminated and Non-Illuminated Operators)


Color	Standard Knob Type	Gloved Hand Knob Type	Coin Operated Type	Price
Black	B-11▲	B-25▲	B-18▲	$0.70
Red	R-8	R-24	R-16	.70
Green	G-8	G-24	G-16	.70
Brown	N-11▲	N-25▲	N-18▲	.70
Yellow	Y-8	Y-24	Y-16	.70
Orange	S-11▲	S-25▲	S-18▲	.70
Blue	L-8	L-24	L-16	.70
White	W-8	W-24	W-16	.70
Amber	A-11	A-24	A-16	.70
Clear	C-11	C-24	C-16	.70

▲Black, brown, and orange are opaque and for use on non-illuminated operators only.

ACCESSORIES AND ATTACHMENTS

Description	Features		Type	Price
Padlock Attachments	For push buttons, standard or mushroom (holds button depressed)		K-4	$3.
	For push buttons with protective cap (holds button depressed)		K-5	5.
	For push buttons, cover type attachment prevents operation		K-6	3.
	For selector switches and illuminated push buttons without guard, cover type attachment prevents operation		K-7	3.
Interlock Attachment	Use with two Type KR momentary or maintained contact push buttons and Type KA contact block(s).		K-3	3.
Closing Plate	For covering unused holes in enclosure cover		K-21	1.
Protective Caps	For push buttons	Black	KU-1	2.
	Keeps metal shavings and other matter from accumulating on units.	Red	KU-2	2.
		Blue	KU-3	2.
	Can be used with KN Legend Plate	Brown	KU-4	2.
	For water tight applications separately mounted legend plates must be used.	Green	KU-5	2.
		Yellow	KU-6	2.

CONTACT BLOCKS

Type K contact blocks can be mounted side by side and in tandem for increased flexibility.

600 VOLTS AC OR DC MAX.

Symbol	Type	Price	Symbol	Type	Price
	KA-1	$3.00		Order Two Type KA-1	$6.00
	KA-2	1.50		Order Two Type KA-2	3.00
	KA-3	1.50		Order Two Type KA-3	3.00


Type KA-1


KN-200


KN-300


KN-400

TABLE 3 — SEPARATE LEGEND PLATES

Standard Markings	Type Number KN-2	Type Number KN-3	Standard Markings	Type Number KN-2	Type Number KN-3
For Push Button or Pilot Light			For Selector Switch or Selector Push Button		
Blank	KN-200	KN-300	For.-Rev.	KN-239	KN-339
Start	KN-201	KN-301	Hand-Auto.	KN-240	KN-340
Stop†	KN-202	KN-302	High-Low	KN-241	KN-341
On	KN-203	KN-303	Man.-Auto.	KN-243	KN-343
Off†	KN-204	KN-304			
Emerg. Stop†	KN-205	KN-305	Off-On	KN-244	KN-344
Forward	KN-206	KN-306	On-Off	KN-245	KN-345
Reverse	KN-207	KN-307	Open-Close	KN-246	KN-346
Close	KN-208	KN-308	Raise-Lower	KN-247	KN-347
Open	KN-209	KN-309			
Down	KN-210	KN-310	Safe-Run	KN-249	KN-349
Up	KN-211	KN-311	Slow-Fast	KN-250	KN-350
Fast	KN-212	KN-312	Start-Stop	KN-251	KN-351
Slow	KN-213	KN-313	Up-Down	KN-253	KN-353
High	KN-214	KN-314	For.-Off-Rev.	KN-259	KN-359
Low	KN-215	KN-315	Hand-Off-Auto.	KN-260	KN-360
Jog	KN-218	KN-318	Man.-Off-Auto.	KN-262	KN-362
Reset	KN-223	KN-323	Open-Off-Close	KN-263	KN-363
Run	KN-224	KN-324	Up-Off-Down	KN-264	KN-364

†Red Field.

TABLE 4 — PRICING INFORMATION

Legend Plate	Description		Type No.	Price
KN-2	Standard Markings		Select from KN-2 Standard Legend Plate Listing	$ .30
	Special Marking (Specify Marking Required)	Black Field	KN-299	1.30
		Red Field	KN-299R	
KN-3	Standard Markings		Select from KN-3 Standard Legend Plate Listing	.30
	Special Marking (Specify Marking Required)	Black Field	KN-399	1.30
		Red Field	KN-399R	
KN-4	Blank		KN-400	.60
	Any Marking (Specify Marking)		KN-499	1.60

HEAVY DUTY OIL-TIGHT FOOT SWITCHES — CLASS 9002

600 VOLTS MAX. AC or DC

Description	Features	With Pedal Guard Type	With Pedal Guard Price	With Pedal Guard and Side Shields Type	With Pedal Guard and Side Shields Price	Without Guard or Shields Type	Without Guard or Shields Price
Single Pole Double Throw	Spring Return	AW-2	$16.	AW-17	$18.	AW-1	$15.
	With Mechanical Latch	AW-7	23.	.....	...	.....	...
Two Pole Double Throw	Spring Return	AW-14	23.	AW-18	25.	AW-13	22.
	With Mechanical Latch	AW-15	30.	.....	...	.....	...
Two Stage (One Pole Each Stage)	Spring Return	AW-6	24.	AW-19	26.	AW-5	23.
	With Mech. Latch in 1st Stage	AW-9	31.	.....	...	.....	...
	With Mech. Latch in 2nd Stage	AW-10	31.	.....	...	.....	...
Single Pole Single Throw	Maintained Contact Ratchet Type‡	AW-12	23.	AW-20	25.	AW-11	22.


Type AW with Pedal Guard

Except for ratchet type switches, each pole consists of a normally open and normally closed contact which are electrically separate but must be used on the same polarity.

‡Contacts maintain position until pedal is again depressed. Rated 250 volts ac or dc maximum.

ORDERING INFORMATION REQUIRED: Order by Class and Type number.

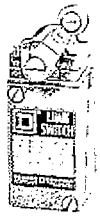
SQUARE D OIL-TIGHT LIMIT SWITCHES — CLASS 9007

HEAVY DUTY PRECISION TURRET HEAD LIMIT SWITCHES

OIL-TIGHT, WATER-TIGHT, DUST-TIGHT AND DRIP-TIGHT ENCLOSURE — NEMA TYPES 2, 4 AND 13

LEVER-ARM TYPE (WITHOUT LEVER Select lever arms from tables below)†

Use Type B on all applications requiring a heavy duty, precision oil-tight limit switch. Although designed for rugged applications, it is also an excellent choice for general or light duty applications.



STANDARD BOX, PLUG-IN, SINGLE POLE AND TWO POLE

Contacts	Direction of Operation ◐	Lever Arm Type Std. 10° Pre-Travel — Spring Return		Lever Arm Type Low Differential — Spring Return		Light Operating Force Lever Arm Type Spring Return		Lever Type Maintained Contact	
		Type	Price	Type	Price	Type	Price	Type	Price
	CW & CCW	B54B2	$14.50	B54A2	$15.50	B54N2	$17.50	B54C	$17.50
1 N.O.	CW	B54B	14.50	B54A	15.50	B54N	17.50	.....	.....
1 N.C.	CCW	B54B1	14.50	B54A1	15.50	B54N1	17.50	.....	.....
2 N.O.	CW & CCW	B62B2	17.50	B62A2	18.50	.....	.....	B62C	20.50
2 N.C.	CW	B62B	17.50	B62A	18.50	.....	.....	.....	.....
★	CCW	B62B1	17.50	B62A1	18.50	.....	.....	.....	.....
1 N.O.-1 N.C. CW 1 N.O.-1 N.C. CCW		B64B2	18.50	B64A2	19.50	.....	.....	.....	.....



STANDARD BOX, NON-PLUG-IN, SINGLE POLE AND TWO POLE

Contacts	Direction of Operation ◐	Lever Arm Type Std. 10° Pre-Travel — Spring Return		Lever Arm Type Low Differential — Spring Return		Light Operating Force Lever Arm Type Spring Return		Lever Type Maintained Contact	
		Type	Price	Type	Price	Type	Price	Type	Price
	CW & CCW	B53B2	$14.50	B53A2	$15.50	B53N2	$17.50	B53C	$17.50
1 N.O.	CW	B53B	14.50	B53A	15.50	B53N	17.50	.....	.....
1 N.C.	CCW	B53B1	14.50	B53A1	15.50	B53N1	17.50	.....	.....
2 N.O.	CW & CCW	B61B2	17.50	B61A2	18.50	.....	.....	B61C	20.50
2 N.C.	CW	B61B	17.50	B61A	18.50	.....	.....	.....	.....
★	CCW	B61B1	17.50	B61A1	18.50	.....	.....	.....	.....
1 N.O.-1 N.C. CW 1 N.O.-1 N.C. CCW		B63B2	18.50	B63A2	19.50	.....	.....	.....	.....



COMPACT BOX, PLUG-IN, SINGLE POLE

Contacts	Direction of Operation ◐	Lever Arm Type Std. 10° Pre-Travel — Spring Return		Lever Arm Type Low Differential — Spring Return		Light Operating Force Lever Arm Type Spring Return		Lever Type Maintained Contact	
		Type	Price	Type	Price	Type	Price	Type	Price
	CW & CCW	B52B2	$14.50	B52A2	$15.50	B52N2	$17.50	B52C	$17.50
1 N.O.	CW	B52B	14.50	B52A	15.50	B52N	17.50	.....	.....
1 N.C.	CCW	B52B1	14.50	B52A1	15.50	B52N1	17.50	.....	.....



COMPACT BOX, NON-PLUG-IN, SINGLE POLE

Contacts	Direction of Operation ◐	Lever Arm Type Std. 10° Pre-Travel — Spring Return		Lever Arm Type Low Differential — Spring Return		Light Operating Force Lever Arm Type Spring Return		Lever Type Maintained Contact	
		Type	Price	Type	Price	Type	Price	Type	Price
	CW & CCW	B51B2	$14.50	B51A2	$15.50	B51N2	$17.50	B51C	$17.50
1 N.O.	CW	B51B	14.50	B51A	15.50	B51N	17.50	.....	.....
1 N.C.	CCW	B51B1	14.50	B51A1	15.50	B51N1	17.50	.....	.....

†Many other types of operators also available.

★Nylon wheel on slider assembly can be rotated to provide sequencing or overlapping contacts.

◐Direction of operation can be converted by removing turret head and moving cam pins to proper holes as shown on instruction sheet furnished with each switch.



Cast Lever Arm



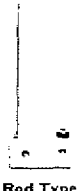
Forked Arm



Adjustable Length Lever Arm



One Way Lever Arm



Rod Type Lever Arm

LEVER ARMS ONLY — FOR CLASS 9007 TYPES AW AND B LIMIT SWITCHES

CAST LEVER ARM

Length of Arm	Roller: Standard* ¼" Dia. ¼" Wide		Nylon ¼" Dia. ¼" Wide		Standard* ½" Dia. ¼" Wide		Standard* ¾" Dia. ⅝" Wide	
	Type	Price	Type	Price	Type	Price	Type	Price
⅞"	.....	.....	.....	.....	AA-1	$2.50	AA-2	$2.50
1¼"	BA-11	$1.50	BA-18	$1.50	BA-1	1.50	BA-2	2.50
1½"	MA-11	1.50	MA-18	1.50	MA-1	1.50	MA-2	2.50
2 "	CA-11	2.50	CA-18	2.50	CA-1	2.50	CA-2	2.50
2½"	DA-11	2.50	DA-18	2.50	DA-1	2.50	DA-2	2.50
3 "	EA-11	2.50	EA-18	2.50	EA-1	2.50	EA-2	2.50

FORKED ARM

Roller Position	Standard ½" Dia. ¼" Wide Roller	
	Type	Price
Rollers on Same Side	LA-4	$2.50

ROD TYPE LEVER ARM

Length	Type	Price
10"	FA-1	$2.50

ADJUSTABLE LENGTH LEVER ARM

Description	Standard* ⅛" Dia. ¼" Wide		Nylon ¼" Dia. ¼" Wide	
	Type	Price	Type	Price
Non-bendable	HA-1	$2.50	HA-4	$2.50
Bendable	HA-5	2.50	HA-8	2.50

ONE-WAY ROLLER LEVER ARM

1¼" Dia. — ¼" Wide Roller — 1¾" Length

Type	Price
BA-3	$4.50

*Standard roller is hardened, oil-impregnated sintered iron.

ORDERING INFORMATION REQUIRED: Class and Type number.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D OIL-TIGHT LIMIT SWITCHES — SNAP SWITCHES

TYPE A PRECISION LIMIT SWITCHES — CLASS 9007

OIL-TIGHT, WATER-TIGHT, DUST-TIGHT AND DRIP-PROOF ENCLOSURE — NEMA TYPES 2, 4 AND 13

Use Type AW for replacement purposes or when called for on existing specifications. Use Type B on new applications except where micrometer adjustment on plunger Type AW is required.

SINGLE POLE, DOUBLE THROW, SEPARATE CIRCUIT

600 VOLTS MAX. AC — CLASS 9007 — 600 VOLTS MAX. DC

Description	Type of Operator: Roller	Type of Operator: Length of Arm	Surface Mounted: Non-Plug-in: Standard Box: Type	Standard Box: Price	Deep Box: Type	Deep Box: Price	Surface Mounted: Plug-in: Type	Plug-in: Price	Flush Mounted Non-Plug-in: Type	Flush Mounted Non-Plug-in: Price	Open Type: Non-Plug-in: Type	Non-Plug-in: Price	Plug-in: Type	Plug-in: Price
Lever Type Basic Switch only	▲	▲	AW-12	$14.50	AW-14	$14.50	AW-16	$14.50	AF-12	$13.50	AO-12	$12.50	AO-16	$12.50
Roller Plunger Type	½″ Dia. ½″ Wide		AW-32	17.	AW-34	17.	AW-36	17.	AF-32	16.	AO-32	15.	AO-36	15.
Push Rod Plunger Type	None		AW-42	16.	AW-44	16.	AW-46	16.	AF-42	15.	AO-42	14.	AO-46	14.
Duplex Switch Lever Type w/Arms	½″ Dia. ½″ Wide	1⅛″	AAW-1	36.	.....	.....	.....	.....	AAF-1	31.	.....	.....	.....	.....
Duplex Switch Push Rod Type	None		AAW-5	36.	.....	.....	.....	.....	AAF-5	31.	.....	.....	.....	.....

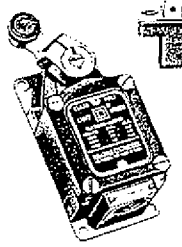
TWO POLE, DOUBLE THROW, SEPARATE CIRCUIT

Description	Type of Operator: Roller	Type of Operator: Length of Arm	Surface Mounted: Non-Plug-in: Type	Non-Plug-in: Price	Plug-in◐: Type	Plug-in◐: Price	Flush Mounted: Non-Plug-in: Type	Non-Plug-in: Price	Open Type: Non-Plug-in: Type	Non-Plug-in: Price	Plug-in◐: Type	Plug-in◐: Price
Lever Type Basic Switch only	▲	▲	AW-18	$17.50	AW-19	$17.50	AF-18	$16.50	AO-18	$15.50	AO-19	$16.50
Lever Type Basic Switch Only in Duplex Box	▲	▲	AW-20	23.50	.....	.....	.....	.....	.....	.....	.....	.....
Roller Plunger Type	½″ Wide ¼″ Wide		AW-38	20.	AW-39	20.	AF-38	19.	AO-38 ▲	18.	AO-39	18.
Push Rod Plunger Type	None		AW-48	19.	AW-49	19.	AF-48	18.	AO-48	17.	AO-49	17.
Duplex Switch Lever Type	▲	▲	AAW-4	39.	.....	.....	.....	.....	.....	.....	.....	.....

◐2 N.O. contacts only when switch is operated in clockwise direction. 2 N.C. contacts only when switch is operated in counterclockwise direction. Plunger types have 2 N.O. contacts only.
▲See previous page for listing of operating lever arms.



Type AW-12 with Type BA-1 Lever Arm



Class 9007 Type TUB4 with Type B1 Lever Arm



Type AB-21

PRECISION SNAP SWITCHES WITH SPECIAL OPERATORS — CLASS 9007

Type of Operator	Contact Arrangement	Type	Price	Type of Operator	Contact Arrangement	Type	Price
None (Basic Snap Switch)	1 N.O. 1 N.C.	AO-1	$ 2.90	Plunger Type Panel Mounting	1 N.O. 1 N.C.	AP-221	$ 6.65
	1 N.O.	AO-2†	2.90		2 N.O. 2 N.C.	CP-221	9.55
	1 N.C.	AO-6†	2.90				
	2 N.O. 2 N.C.	CO-3†	5.80	Roller Plunger Type Panel Mounting Non-Oiltight	1 N.O.	AP-321	8.
	2 N.O.	CO-6†	5.80		1 N.C.	AP-324	8.
	Two Stage 2 N.O. 2 N.C.	CO-7	7.		2 N.O.	CP-321	11.
Rigid Roller Lever Type	1 N.O.	AB-21 (RH)	4.65		2 N.C.	CP-324	11.
	1 N.C.	AB-22 (LH)	4.65	Roller Plunger Type Panel Mounting Oil-tight	1 N.O.	AP-323	8.50
	2 N.O.	CB-31 (RH)	7.65		1 N.C.	AP-325	8.50
	2 N.C.	CB-32 (LH)	7.55		2 N.O.	CP-323	11.50
					2 N.C.	CP-325	11.50

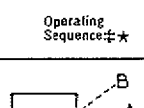
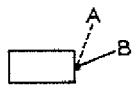
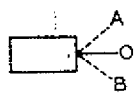
†Plug-in version of Type AO-2 is Type AO-6. Plug-in version of Type CO-3 is Type CO-6. These are the basic contact mechanisms of Class 9007 Types AW, AF and AO limit switches.

HEAVY DUTY TYPE T LIMIT SWITCHES — CLASS 9007

NEMA TYPES 2, 4 AND 13 ENCLOSURE

If load exceeds Type B contact ratings, if a required operating sequence is not available on the Type B or if high trip and reset forces are required, use the Type T.

BASIC SWITCH (Complete with Base Plate Without Operating Arm)

Operating Sequence‡★	Type of Switch	Single Pole Double Throw: Surface Mounted: Type	Surface Mounted: Price	Flush Mounted: Type	Flush Mounted: Price
	Standard	TSA1	$20.	TBR1	$29.50
		TSB1	20.		
		TSC1	20.		
		TSD1	20.		
		TSE1	21.		
		TSF1	21.	TBS1	28.
		TSG1	21.		
	Universal	TUA5	20.	TAR5	29.50
		TUB5	20.		
		TUC5	20.		
		TUD5	20.		
		TUE5	21.		
		TUF5	21.	TAS5	25.
		TUG5	21.		
	Universal	TUA4	20.	TAR4	29.50
		TUB4	20.		
		TUC4	20.		
		TUD4	20.		
		TUE4	21.	TAS4	26.
		TUF4	21.		
		TUG4	21.		

‡Switch mechanism can be adjusted to obtain other contact operating sequences.

★OPERATING SEQUENCE LEGEND TABLE

Maintained (Normal) Position	A — "A" Contact Closed
Spring Return (Tripped) Position	B — "B" Contact Closed
	O — Both Contacts Open

LEVER ARMS

Description: Type of Arm	Length of Arm	Roller Position	Type: ¼″ Dia. Roller	1″ Dia. Roller	1¼″ Dia. Roller	Price
Straight	1½	Optional	B1	B2	B3	$ 2.
Straight	2½	Optional	B7	B8	B9	3.
Offset	1½	Inside Offset	C1	C2	C3	3.
		Outside Offset	D1	D2	D3	3.
Offset	1¾	Outside Offset	E4	E5	E6	2.
		Inside Offset	F4	F5	F6	2.
90° Forked	1½	Rollers on Same Side	X1	X2	...	7.
Straight▲▲	....	Optional	R18	R19	R20	3.
Clamp for ¾″ Rod	$1^{31}/_{32}$	None		R16		4.
Clamp for ¼″ Key Stock	$1^{31}/_{32}$	None		R17		4.
Ball Bearing	1½	Center		B16		8.
Weld-On	3½	None		G10		1.
1-Way Roller	1½	Outside Offset		O4		10.

▲▲For use with R17 clamp and ¼″ key stock.

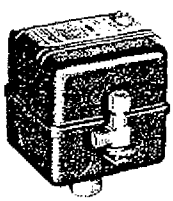
SEPARATE BASE PLATES

Style	Mounting Holes	Part Number	Price
A	None	2934-D32-G1	$1.
B	End	2934-D14-G1	1.
C	Side	2934-D33-G1	1.
D	End*	2934-D34-G1	1.
E	End	2934-D14-G2**	2.
F	Side	2934-D33-G2**	2.
G	End*	2934-D34-G2**	2.

*Mounting hole dimensions correspond to those of Class 9007 Type M limit switch.
**Base plate with manifold.

SQUARE D PRESSURE SWITCHES, FLOAT SWITCHES AND TERMINAL BLOCKS

PRESSURE SWITCHES — CLASS 9013



For control of electrically driven water pumps and air compressors. Class 9013 devices cover the important electrical ratings for the direct control of motors in the usual pump and compressor applications. Two pole, opens both lines. Standard ¼"-18 NPSF connector. Contacts open on increasing pressure. Diaphragm actuated. NEMA 1 enclosures.

Class	Type	Cut-out Range PSI	Differential	Price Each
The Pumptrol®, perfect replacement switch for any jet, reciprocating or submersible home water pump				
9013	FSG-2 Form P	20–65	10–30	$ 5.55
For small air compressors — complete with pressure release valve				
9013	HHG-2 Form X	40–100	17–34	8.75
For standard air compressor service — complete with release valve				
9013	GHG-2 Form X	60–200	18–40	20.80

Electrical Ratings	Single Phase		Polyphase			DC		
Horsepower	115V	230V	220V	440V	550V	32V	115V	230V
FSG, HHG	1	1	1	....	....	¼	¼	¼
GHG	2	3	5	5	5	½	1	1

FLOAT SWITCHES — CLASSES 9035, 9036, 9037

Used for the control of electrically driven pumps in liquid level control applications. Class 9035 Type BW devices are suitable for most outdoor open tank operations. Unit comes complete with float and rods. Class 9036 float switches are for open tank control with sump or standard operation. Float and rod accessories must be purchased separately (see below). Class 9037 controls are primarily used on closed tank condensate pumping applications. Float movement is through a bellows seal. Flange mounted unit comes complete with float and rod.

Class	Type	Enclosure	Poles	On Liquid Rise	Price Each
9035	BW-3	NEMA 4	2	Contacts Open	$102.80
9036	FG-1	NEMA 1	2	Contacts Close	8.95
9036	DW-1	NEMA 4	2	Contacts Close	98.55
9036	KG-7	NEMA 1	1	Contacts Close	5.25
9036	KG-8	NEMA 1	1	Contacts Close	4.00
9037	GG-4	NEMA 1	2	Contacts Close	52.30

ACCESSORIES FOR CLASS 9036 FLOAT SWITCHES

Class	Type	Description	Price Each
9049	A-6	7" copper coated steel float, 5 feet of brass tubing.....	$19.60
9049	A-6S	7" stainless steel float, 5 feet of stainless steel tubing.....	95.70

ELECTRICAL RATINGS — HORSEPOWER

Class & Type	Single Phase			Polyphase			DC		
	115V	230V	440/550V	220V	440V	550V	32V	115V	230V
9035 BW	2	3	....	5	5	5	....	1	1
9036 FG	1	1	....	1	....	....	¼	¼	¼
9036 DW	1½	2	....	2	3	1	¼	½	½
9036 KG	½	½	....	....	....	....	¼	¼	....
9037 GG	2	3	5	5	5	5	½	1	1

TERMINAL BLOCK KITS — CLASS 9080
600 VOLT CHANNEL MOUNTED TYPE — 300 VOLT CHANNEL AND DIRECT MOUNTED TYPES
For Customer Assembly★

Each Terminal block consists of:

1—Required number of Type K—sections. Sections can be intermixed on same track.

2—Parts included in assembly kits.

3—Required length of mounting track.

4—Transition barrier if 300 volt and 600 volt sections mounted on same track.

600 VOLT SECTIONS

Description	Type	Price Each	Minimum Order Quantity
Terminal Block Section with Pressure Wire Connectors Wire #10 and smaller	KC-1	$ .21	50
Terminal Block Section with Flat Terminal Wire #10 and smaller	KCB-1	.21	50
Terminal Block Section with Solderless Box Lug Wire #8 and smaller	KCA-1	.29	50
Terminal Block Section with Solderless Box Lug Wire #14-4	KD-1	.51	50
Terminal Block Section with Solderless Box Lug Wire #10-0	KE-1	1.25	None

*Includes miscellaneous parts required in assembly of complete terminal block. Individual parts are packaged in convenient kit form for small users who do not require larger bulk quantities of parts listed above.

**Includes parts required in addition to Type K-1 kit when Type KE-1 sections used.

★Factory assembled 2-36 circuit terminal blocks also available.

300 VOLT SECTIONS

Description	Type	Price Each	Minimum Order Quantity
Nylon Terminal Section with Pressure Wire Connectors Wire Size #22 to #14	KB-1	$.34	50
Nylon Terminal Section with Flat Terminal Wire Size #22 to #14	KB8-1	.24	50
Nylon Terminal Section with Solderless Box Lug — With Pressure Plate Wire Size #22 to #14	KBA-1	.28	50
Nylon Terminal Section with Solderless Box Lug — Without Pressure Plate Wire Size #22 to #14	KBC-1	.28	50

MOUNTING TRACK AND ASSEMBLY KITS

Description			Type	Price Each	Minimum Order Quantity
Mounting Track	Std. Lengths		1828-C22-		
	600 V.	3½"	X3	$ .10	None
		6 "	X7	.28	
		9½"	X12	.25	
		12½"	X18	.35	
		16½"	X24	.45	
		24½"	X36	.65	
		29½"	X39	.85	
		48 "	X38	1.30	
	300 V.	2⅛"	X2	.10	None
		4⅛"	X4	.15	
		6⅛"	X77	.20	
		9 "	X84	.25	
		11⅛"	X16	.30	
		16⅛"	X102	.45	
		48 "	X38	1.30	
Assembly Kit, 600 Volts			K-1*	$.20	None
Assembly Kit, 600 Volts			KH-2**	.45	None
Barrier — Used Between 300 and 600 Volt Blocks.			31047-034-01	.60	None
Assembly Kit for Channel Mounting, 300 Volts....			K-3*	1.00	None
Assembly Kit for Direct Mounting, 300 Volts.....			K-4*	.60	None

ORDERING INFORMATION REQUIRED: Class and Type number or Part number.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

SQUARE D PARTS AND MODIFICATION KITS — CLASSES 9998 AND 9999

TYPE S SQUARE D CLASS 9998 PARTS KITS FOR TYPE S CONTACTORS & STARTERS

Class	Type	NEMA Size	No. of Poles	Parts Kit Type No.	Price
Magnetic Starters & Contactors 8502 8702 8536 8736 8538 8738 8539 8739 8819	SB	0	3	SL-2	$ 8.
	SB	0	4	SL-12	8.
	SB, SC Power Pole Adder	0, 1	1	SL-22	3.
	SC	1	3	SL-3	8.
	SC	1	4	SL-13	11.
	SD	2	3	SL-4	18.
	SD	2	4	SL-14	24.
	SD Power Pole Adder	2	1	SL-24	6.
	SE	3	3	SL-7	30.
	SF	4	3	SL-9	60.

CONTACT PARTS KITS — CLASS 9998

FOR STARTERS, CONTACTORS, AND RELAYS

Class	Type	Equipment to Be Maintained: No. of Poles in Kit	Equipment to Be Maintained: NEMA Size	Class 9998 Parts Kit Type No.	Price
2510 Manual Starters Push Button Type	B– (Kit includes Contact Block)	2	M-0	BA-22	$ 6.
	B–	3	M-0	BA-21	6.
	B– (Kit includes Contact Block)	3	M-0	BA-23	8.
	C– (Kit includes Contact Block)	2	M-1	CA-22	8.
	C–	3	M-1	CA-21	8.
	C– (Kit includes Contact Block)	3	M-1	CA-23	10.
	M–	3	M-0	ML-1	5.
	M–	3	M-1 & 1P	ML-2	7.
	W5, W6, W16, W17, W23, W26, W27, W30, W32, W42, W43, W44, W45, W47, W50, W56, W58, W60 and W62	...	0	RA-21	7.
	W10, W11, W20, W21, W25, W29, W31, W33, W36, W37, W38, W39, W49, W51, W57, W59, W61 and W63	...	1	SA-21	9.
2510 Manual Starters Toggle Type	R–	3	M-0	RA-22	7.
	S–	3	M-1	SA-22	9.
	T–	3	M-0	ML-1	5.
	T–	3	M-1 & 1P	ML-2	7.
Magnetic Relays 7801 7808 8501 8508	A– (Series A & B) Q– (Pre-Series A)	3	...	QA-81	6.
	A– (Series C), Q– (Series A)	3	...	QA-82	6.
	BH–, B–, R– (15 A. Relay)	3	...	RA-81	6.
	BH–, B–, R–	4	...	RA-82	8.
	BR– (15 Amp. Relay)	3	...	RA-83	8.
	DO-02, 20, 22; DDO & DEO-20, 22	...	...	RA-84	3.
	DO-40, 42; DDO & DEO-40, 42	...	...	RA-85	7.
	DO-60, 80, 44, 62	...	...	RA-86	9.
	DO-64, 82	...	...	RA-87	11.
	GO-20, 11, 02 (10 A., 300 V. Relay)	...	...	GG-2	6.
	GO-30, 21, 12, 03	...	...	GG-3	7.
	GO-40, 31, 22, 13, 04	...	...	GG-4	8.
	GO-60, 51, 42, 33, 24, 15, 06	...	...	GG-6	11.
	GO-80, 71, 62, 53, 44, 35, 26, 17, 08	...	...	GG-8	13.
	H–	3	...	RA-3	6.
	H–	4	...	RA-4	8.
Magnetic Starters & Contactors 7010 8506 7032 8530 7033 8540 7702 8550 7732 8651 8502 8702 8504 8736 8508 8738 8536 8739 8537 8747 8538 8750 8539 8810 8541 8811 8547 8812 8549 8904 8550 8906 8907 8920 8940	A– (Series B & C)	3	00	AA-81	4.
	A– (8702 and 8736 Devices only)	3	00	QA-81	6.
	B– (Series A)	3	0	BA-81	6.
		4	0	BA-82	8.
	B– (Pre-Series A), R–	3	0	RA-81	5.
		4	0	RA-82	7.
	C– (Series A & B)	3	1	CA-81	8.
		4	1	CA-82	11.
	C & S (Both Pre-Series A)	3	1	SA-81	10.
		4	1	SA-82	13.
	D–, T–	3	2	TA-81	18.
		4	2	TA-82	24.
	E–, U–	2	3	UA-83	22.
		3	3	UA-81	30.
		4	3	UA-82	40.
	F– (Series A, B)	3	4	FA-81	85.
	F– (Series C)	2	4	FA-85	40.
		3	4	FA-82	60.
		4	4	FA-83	80.
		5	4	FA-84	100.
	G– (Vertical Action)	2	5	GA-83	70.
		3	5	GA-81	105.
		4	5	GA-82	140.

FOR PRESSURE, FLOAT AND VACUUM SWITCHES

Class	Type	Class 9998 Type	Price
9013*	ASG, ALG, AMG, BSG, AHG, ALR, AMR, AHR, ASR, A, AH, AK, AL, AM, AR, V, VR, AK5, AK6	PC-1 Two Pole Only	$3.15
9016	ASG, ASR		
9017	ASG, AHG		
9035*	AG-5, BKG, A, AK		
9013	GSG, GHG	PC-2	3.00
9036	GG		
9037	GG		
9013	FSO	PC-3 **	2.75
9036	FG-1		
9037	HG-1 & 2, HSG, HFG		
9044	ESG, A		
9048	A, AR, AW		
9213	DSG, DHG, A, AH, AH-3, G, GH, GH-3	PC-4	3.00
9017	BSG, BHG		
9237	CG, FA-3		
9238	EG, A3		
9016	GVG	PC-5	5.20
9013	JSG	PC-6	2.50
9013	FYG	PC-7	3.75
9013	HSG	PC-8	2.75
9013	HKG	PC-9	2.75
9013	FSG Manufactured After June 30, 1965	PC-10	2.75

*PC-1 Kit is only for two pole devices with date code letter R to X or with numerical date code, i.e. 149 (1st Quarter, 1949).
**PC-3 is for devices manufactured prior to July 1, 1965 (Date code 265 and prior).

TYPE S SQUARE D CLASS 9999 MODIFICATION KITS FOR TYPE S CONTACTORS & STARTERS

	NEMA Size	Class 9998 Type	Price
ELECTRICAL INTERLOCKS			
External Electrical Interlock with 1 N.O. contact, L.H. or R.H. mounting		SX-6	$ 6.
External Electrical Interlock with 1 N.C. contact, L.H. or R.H. mounting		SX-7	6.
External Electrical Interlock with 1 N.O. and 1 N.C. isolated contacts, L.H. or R.H. mounting		SX-8	8.
MECHANICALLY OPERATED TIMER			
Time delay after de-energization (off delay)		SK-3	$36.
Time delay after energization (on delay)		SK-4	36.
POWER POLE ADDER			
One normally open power pole adder	0, 1	SB-6	$11.
	2	SB-11 •	20.
One normally closed power pole adder	0, 1	SB-7	11.
	2	SB-12 •	20.
One normally open and one normally closed power pole adder	0, 1	SB-8	22.
	2	SB-13 •	40.
COVER MOUNTED CONTROL UNITS FOR NEMA 1 ENCLOSURE			
Push Button START-STOP	0-4	SA-2	$ 8.
Selector Switch HAND-OFF-AUTO	0-4	SC-2	8.
Selector Switch ON-OFF	0-4	SC-22	8.
Red pilot light kit for standard slip-on cover enclosure (Class 8502 or 8536), for any voltage thru 600 volts, 50 or 60 cycles.	0, 1	SP-2R	15.
	2	SP-3R	15.
	3	SP-4R	15.
	4	SP-5R	15.
Red pilot light kit for hinge cover enclosure (Class 8538-8539) for any voltage thru 600 volts, 50 or 60 cycles	0, 1	SP-12R	15.
	2	SP-13R	15.
	3	SP-14R	15.
	4	SP-15R	15.

• If power pole is being added to a 3 pole device, 4-5 pole contactor coil must be used.

USER MODIFICATION KITS — CLASS 9999

ELECTRICAL INTERLOCKS

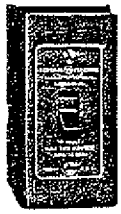
NEMA Size	Device Type No.	Type of Mounting	Contact Arrangement	Location	Class 9999 Type No.	Price
0	B (Series A)	Side Mounted	1-N.O. 1-N.C. 1-N.O., 1-N.C.	L.H. or R.H.	SC-1 SC-2 SC-3	$6. 6. 8.
1	C (Series A & B)					
2	D	Base Mounted Long Terminal	1-N.O. 1-N.O. 1-N.C. 1-N.O. 1-N.C.	R.H. L.H. R.H. Center L.H.	DT-1 DT-2 DT-3 DT-4 DT-9	6.
			1-N.O., 1-N.C.	R.H. or L.H.	DT-12	8.
		KB Unit Side Mounted	1-N.O. 1-N.O. 1-N.C. 1-N.C.	R.H. L.H. R.H. L.H.	DT-5 DT-6 DT-7 DT-8	6.
			1-N.O., 1-N.C. 1-N.O., 1-N.C.	R.H. L.H.	DT-10 DT-11	8.
3	E	Base Mounted Long Terminal	1-N.O. 1-N.O. 1-N.C. 1-N.O. 1-N.C.	R.H. L.H. R.H. Center L.H.	EU-1 EU-2 EU-3 EU-4 EU-9	6.
			1-N.O., 1-N.C.	R.H. or L.H.	EU-12	8.
		KB Unit Side Mounted	1-N.O. 1-N.O. 1-N.C. 1-N.C.	R.H. L.H. R.H. L.H.	EU-5 EU-6 EU-7 EU-8	6.
			1-N.O., 1-N.C. 1-N.O., 1-N.C.	R.H. L.H.	EU-10 EU-11	8.
4	F (Series C)	Base Mounted	1-N.O. 1-N.O. 1-N.O. 1-N.C. 1-N.C. 1-N.C.	R.H. L.H. Center R.H. L.H. Center	F-11 F-12 F-13 F-14 F-15 F-16	6.
			1-N.O., 1-N.C.	Any	F-17	8.
4 5	F (Series A & B) G (Series B)	Base Mounted	1-N.O. 1-N.O. 1-N.O. 1-N.C. 1-N.C. 1-N.C.	R.H. L.H. Center R.H. L.H. Center	F-1 F-2 F-3 F-4 F-5 F-6	6.
			1-N.O., 1-N.C.	Any	F-7	8.

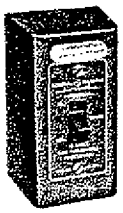
COVER MOUNTED CONTROL UNITS FOR NEMA 1 ENCLOSURE

NEMA Size	Device Type No.	Description	Class 9999 Type No.	Price
00	A (Series B)	"Start-Stop" momentary contact push button "Hand-Off-Auto" selector switch	A SC-1	$8. 8.
0 or 1	B or C	"Start-Stop" momentary contact push button "Hand-Off-Auto" selector switch	A-1 C-1	8. 8.
2 or 3	D or E	"Start-Stop" momentary contact push button "Hand-Off-Auto" selector switch	A-2 C-2	8. 8.
4	F	"Start-Stop" momentary contact push button "Hand-Off-Auto" selector switch	A-4 C-4	8. 8.
5	G	Use Class 9001 Type T oil-tight units		

ORDERING INFORMATION REQUIRED
Class and type number.

GENERAL ELECTRIC MANUAL MOTOR STARTERS





WHERE TO USE

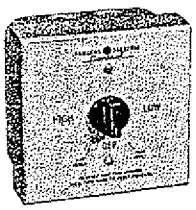
General Electric's CR101H and CR101Y manual starters provide dependable overload protection for single-phase fractional-horsepower general-purpose motors, and are the most economical choice for applications requiring no undervoltage protection. Typical applications include grinders, conveyors, hydraulic presses, blowers, and mixers.

Single-phase Fractional Horsepower—
1 H.P. Maximum on 115 or 230 Volts, 60 to 25 Hertz

PRICING INFORMATION FOR CR101H AND CR101Y FORMS

No. of Poles	Open†		General-purpose, NEMA Type 1				Water and Dust-tight, NEMA Type 4	For Hazardous Locations, NEMA Types 7 and 9, (Class I, groups C and D, Class II, groups E, F and G)	List Price*
	For Flush or Outlet Box Mtg.	List Price*	Surface-mtg.	List Price*	Surface-mtg. W/Ind. Light‡	List Price*			
TOGGLE-OPERATED							LEVER-OPERATED—¾" hub on one end		
1 2	CR101 Y CR101 H	$6.50 7.50	CR101 Y1 CR101 H1	$ 7.50 8.50	CR101 Y11 CR101 H11	$10.50 11.50	CR101 Y400H CR101 H400H	CR101 Y700H CR101 H700H	$24.00 25.00
KEY-OPERATED							LEVER-OPERATED—¾" hub on both ends		
1 2	CR101 Y600K CR101 H600K	$8.50 9.50	CR101 Y100K CR101 H100K	$ 9.50 10.50	CR101 Y110K CR101 H110K	$12.00 13.50	CR101 Y400J CR101 H400J	CR101 Y700J CR101 H700J	$26.00 27.00

† Open starters include an unmounted nameplate.



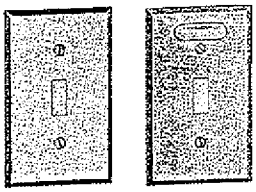
Two-speed NEMA Type 1 enclosed manual starter

PRICING INFORMATION — Two-Speed Forms

No. of Poles	Indicating Lights	General-purpose, NEMA Type 1		General-purpose, Flush-mounting			
		Surface-mounting	List Price*	Gray Flush-plate	List Price*	Stainless-steel Flush-plate	List Price*
1	None	CR101 Y600B	$25.00	CR101 Y600A	$24.00	CR101 Y608A	$25.00
1	Two‡	CR101 Y610B	36.00	CR101 Y610A	35.00	CR101 Y618A	36.00
2	None	CR101 H600B	27.00	CR101 H600A	26.00	CR101 H608A	27.00
2	Two‡	CR101 H610B	38.00	CR101 H610A	37.00	CR101 H618A	38.00

* Heater(s) may be omitted or additional ones ordered at $1.00 ea. One heater required per starter (two for 2-speed).
‡ Includes a 115/230 volt neon lamp(s).

FLUSH PLATES FOR CR101H AND CR101Y FORMS



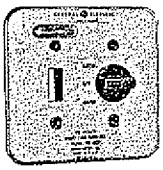
CR101 X8 and X1 flush plates

Nomenclature	Description	List Price
CR101 X1	Flush plate with 115/230 volt ind. light and screws	$3.50 ea.
CR101 X2	Standard flush plate with screws	.50 ea.
CR101 X7	Stainless-steel flush plate with 115/230 volt ind. light and screws*	4.00 ea.
CR101 X8	Stainless-steel flush plate with screws*	1.00 ea.

* Available up to 5 gang size. Contact your Graybar Representative for additional information and pricing.

COMBINATION PLATES AND BOX†

Customer convenience and flexibility is made possible by the availability of combination flush plates. These plates may be used flush mounted or with a CR101 X14 or other 2½-inch deep, 2-gang box to make a general-purpose surface-mounted station. Open manual starters must be ordered separately.

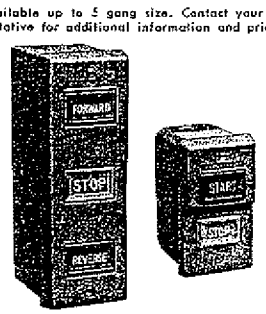


Nomenclature	Description	List Price
CR101 X10	Combination flush plate with HOA selector switch	$ 9.50 ea.
CR101 X11	Combination flush plate with HOA selector switch and 115/230 volt neon indicating light.	14.00 ea.
CR101 X12	Combination flush plate for 2—CR101 open starters	4.00 ea.
CR101 X13	Combination flush plate for 2—CR101 open starters with 2—115/230 volt neon indicating lights	10.00 ea.

† Available in stainless steel at additional price.

OVERLOAD HEATER UNITS FOR CR101H AND CR101Y FORMS

Maximum Motor Full-load Amp	Heater Cat. No.	Maximum Motor Full-load Amp	Heater Cat. No.
.48	CR123 H0.55A	3.27	CR123 H3.77A
.53	CR123 H0.61A	3.56	CR123 H4.10A
.58	CR123 H0.67A	3.88	CR123 H4.46A
.65	CR123 H0.74A	4.22	CR123 H4.86A
.71	CR123 H0.82A	4.60	CR123 H5.29A
.78	CR123 H0.90A	5.00	CR123 H5.75A
.86	CR123 H0.99A	5.43	CR123 H6.25A
.95	CR123 H1.08A	5.90	CR123 H6.80A
1.04	CR123 H1.20A	6.41	CR123 H7.39A
1.14	CR123 H1.32A	6.98	CR123 H8.02A
1.25	CR123 H1.44A	7.60	CR123 H8.73A
1.37	CR123 H1.58A	8.25	CR123 H9.50A
1.49	CR123 H1.72A	8.95	CR123 H10.3B
1.63	CR123 H1.88A	9.75	CR123 H11.2B
1.78	CR123 H2.05A	10.6	CR123 H12.2B
1.95	CR123 H2.26A	11.4	CR123 H13.2B
2.13	CR123 H2.45A	12.5	CR123 H14.4B
2.32	CR123 H2.67A	13.6	CR123 H15.7B
2.53	CR123 H2.91A	14.8	CR123 H17.1B
2.76	CR123 H3.17A	16.0	CR123 H18.6B
3.01	CR123 H3.46A		



WHERE TO USE

The CR101B and CR101J manual starters are designed for self-protected single phase motors and on-off applications where overload protection is not required. Typical applications include home workshop equipment, pumps, textile machinery, and industrial blowers and exhaust fans.

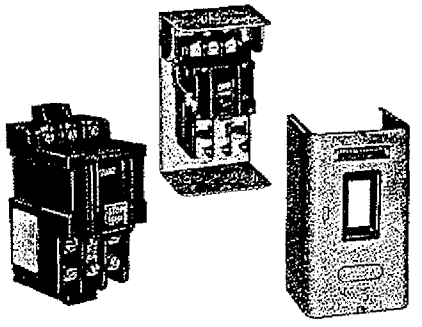
	Single-phase	Three-phase	DC Max.
AC Max.	115 volts 1 hp 230 volts 1½ hp	115 volts 1½ hp 230 volts 2 hp	125-250 volts ¼ hp

PRICING INFORMATION FOR CR101B, CR101J FORMS

No. of Poles	Nameplate Marking	Open with Flushplate		General-purpose NEMA Type 1 Enclosures	
		Nomenclature	List Price	Nomenclature	List Price
2 Single-speed	START-STOP ON-OFF	CR101 JA0A JA0B	$ 4.10 4.10	CR101 JA1A JA1B	$ 5.10 5.10
3 Single-speed	START-STOP ON-OFF	CR101 BA0A BA0B	10.00 10.00	CR101 BA1A BA1B	11.00 11.00
3—3 2-speed	FAST-STOP-SLOW	CR101 BB0B	12.00	CR101 BB1B	13.00
3—3 Reversing	FORWARD-OFF-REVERSE FORWARD-STOP-REVERSE UP-STOP-DOWN	CR101 BE0A BE0B BE0C	12.00 12.00 12.00	CR101 BE1A BE1B BE1C	13.00 13.00 13.00

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC MANUAL MOTOR STARTERS



Typical CR1062 open push button form and enclosed toggle form in general purpose enclosure.

WHERE TO USE

Designed for infrequent starting of small a-c motors. This manual starter provides overload protection but cannot be used where undervoltage protection is required or for remote or automatic operation. They are available as across-the-line, reversing or two-speed forms. Open and general-purpose enclosed forms may be obtained with push-button or toggle-switch operation.

Single and Polyphase—600 Volts,
10 H.P. Maximum, 60 to 25 Hertz

ORDERING DIRECTIONS

1. Order devices by complete CR nomenclature.
2. Select overload relay heaters from tables. Single-phase forms require one heater, 3- or 4-pole forms require two heaters.
3. Order forms not listed or special features by complete description using a listed form as reference wherever possible.

HOW TO SELECT HEATERS

Select proper Max Motor Full-load Motor Amp column per size, pole arrangement, number of overload relays and enclosure type from table below. One heater is required for each overload relay.

Pole Arrangement and No. of Overload Relays	NEMA Type Enclosure	
	Open	Type 1
Sizes M-0 and M-1		
2-pole (1 OL relay)	Use Column A	Use Column A
3-, 4-pole and 3-pole w/aux contact (2 OL relays)	Use Column C	Use Column B
3-pole (3 OL relays)	Use Column D	Use Column D
Size M-1P		
2-pole (1 OL relay)	Use Column E	Use Column E

PRICING INFORMATION—Across-the-line Forms

Heater(s) may be omitted or additional ones ordered at $1.50 each. Single-phase prices include 1 heater, polyphase, 2 heaters.

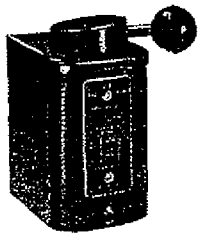
NEMA Size	Max Horsepower: Single phase 115 V	Single phase 230 V	Polyphase 115 V	Polyphase 230 V	Polyphase 460-600 V	No. of Poles	Open Starters: Toggle Operated	Open Starters: Push-button Operated	Open Starters: List Price	General-purpose, NEMA Type 1: Toggle Operated	General-purpose, NEMA Type 1: Push-button Operated	General-purpose, NEMA Type 1: List Price
M-0	1	2	.	...	..	2	CR1062 R13A	CR1062 R12A	$18	CR1062 R5A	CR1062 R6A	$20
	.	.	2	3	5	3	R9A	R8A	23	R1A	R2A	25
	.	.	2	3	5	4	R11A	R10A	33	R3A	R4A	35
M-1	2	3	.	...	..	2	CR1062 S13A	CR1062 S12A	23	CR1062 S5A	CR1062 S6A	25
	.	.	3	7½	10	3	S9A	S8A	28	S1A	S2A	30
	.	.	3	7½	10	4	S11A	S10A	40	S3A	S4A	42
M-1P	3	5	.	...	..	2	CR1062 S22A	CR1062 S28A	34	CR1062 S23A	CR1062 S27A	36

Max Motor Full-load Amp Column A	General Use Heater Cat. No. CR123	Max Motor Full-load Amp Column A	General Use Heater Cat. No. CR123	Max Motor Full-load Amp Column B	Max Motor Full-load Amp Column C	General Use Heater Cat. No. CR123	Max Motor Full-load Amp Column B	Max Motor Full-load Amp Column C	General Use Heater Cat. No. CR123	Max Motor Full-load Amp Column D	General Use Heater Cat. No. CR123	Max Motor Full-load Amp Column D	General Use Heater Cat. No. CR123	Max. Motor Full-load Amp. Column E	General Use Heater Cat. No. CR123
.34	C0.36A	4.30	C4.19A	.31	.31	C0.36A	3.91	4.12	C4.19A	.29	C0.36A	3.54	C4.19A	8.56	C7.78A
.37	C0.39A	4.88	C4.66A	.34	.36	C0.39A	4.44	4.68	C4.66A	.31	C0.39A	3.89	C4.66A	9.43	C8.67A
.42	C0.43A	5.49	C5.26A	.38	.40	C0.43A	4.99	5.29	C5.26A	.34	C0.43A	4.51	C5.26A	10.3	C9.55A
.47	C0.48A	5.85	C5.92A	.43	.46	C0.48A	5.31	5.70	C5.92A	.40	C0.48A	4.90	C5.92A	11.0	C10.4B
.52	C0.54A	6.45	C6.30A	.47	.51	C0.54A	5.87	6.18	C6.30A	.44	C0.54A	5.30	C6.30A	12.1	C11.3B
.57	C0.60A	7.22	C6.95A	.52	.56	C0.60A	6.56	6.90	C6.95A	.48	C0.60A	5.94	C6.95A	13.2	C12.5B
.63	C0.66A	8.05	C7.78A	.57	.60	C0.66A	7.31	7.79	C7.78A	.52	C0.66A	6.70	C7.78A	15.0	C13.7B
.69	C0.71A	8.88	C8.67A	.63	.67	C0.71A	8.07	8.56	C8.67A	.58	C0.71A	7.36	C8.67A	16.2	C15.1B
.77	C0.78A	9.66	C9.55A	.70	.75	C0.78A	8.79	9.29	C9.55A	.64	C0.78A	7.98	C9.55A	17.7	C16.3B
.87	C0.87A	10.5	C10.4B	.79	.83	C0.87A	9.51	9.99	C10.4B	.71	C0.87A	8.59	C10.4B	19.7	C18.0B
.97	C0.97A	11.6	C11.3B	.88	.94	C0.97A	10.5	11.0	C11.3B	.81	C0.97A	9.46	C11.3B	21.2	C19.8B
1.06	C1.09A	12.7	C12.5B	.96	1.03	C1.09A	11.5	12.0	C12.5B	.89	C1.09A	10.3	C12.5B	22.2	C21.4B
1.18	C1.18A	13.2	C13.7B	1.07	1.14	C1.18A	12.0	13.6	C13.7B	.98	C1.18A	11.7	C13.7B	24.9	C22.8B
1.33	C1.31A	15.1	C15.1B	1.21	1.30	C1.31A	13.7	14.7	C15.1B	1.12	C1.31A	12.6	C15.1B	26.4	C25.0B
1.47	C1.48A	16.6	C16.3B	1.34	1.42	C1.48A	15.1	16.1	C16.3B	1.22	C1.48A	13.8	C16.3B	30.0	C27.3B
1.66	C1.63A	17.6	C18.0B	1.51	1.61	C1.63A	16.0	18.0	C18.0B	1.38	C1.63A	15.4	C18.0B	36.0	C30.3B
1.78	C1.84A	19.8*	C19.8B	1.62	1.72	C1.84A	18.0	19.3*	C19.8B	1.48	C1.84A	16.6	C19.8B	37.7	C33.0B
2.00	C1.96A	21.1*	C21.4B	1.82	1.93	C1.96A	19.2*	20.2*	C21.4B	1.66	C1.96A	17.4	C21.4B		
2.18	C2.20A	23.1*	C22.8B	1.92	2.10	C2.20A	21.0*	22.5*	C22.8B	1.80	C2.20A	19.4*	C22.8B		
2.45	C2.39A			2.23	2.36	C2.39A	22.5*	....	C25.0B	2.03	C2.39A	20.6*	C25.0B		
2.76	C2.68A			2.51	2.65	C2.68A				2.28	C2.68A				
3.00	C3.01A			2.73	2.87	C3.01A				2.47	C3.01A				
3.27	C3.26A			2.97	3.15	C3.26A				2.71	C3.26A				
3.49	C3.56A			3.17	3.34	C3.56A				2.87	C3.56A				
3.89	C3.79A			3.51	3.70	C3.79A				3.18	C3.79A				

PRICING INFORMATION

Heater Number	List Price
CR123 C (all)	$1.50

GENERAL ELECTRIC MANUAL REVERSING DRUM SWITCH



CR102 Type A manual reversing drum switch

PRICING INFORMATION CR102A

Ratings Maximum Horsepower: Volts	AC Single Phase	AC Poly-Phase	DC	General Purpose Enclosure NEMA Type 1: Nomenclature	List Price
115	1½	...	...	CR102 A2, A23	$10.50
230	2	...	...	CR102 A16	11.20
				CR102 A3	11.00
115	1½	2	...	CR102 A1, A13	10.50
230	2	2	...		
600	...	2	...		
125-250	...	...	¼		

CR102 Manual Reversing Drum Switch
2 H.P. Maximum, 600 Volt Maximum

WHERE TO USE

The CR102 manual drum switches are used to stop, start and reverse single-phase or polyphase motors on small tools, hoists and farm or commercial machinery up to 2 horsepower at a maximum of 600 volts. Forms are available to reconnect dual-voltage motors; and to operate a motor in one direction and a solenoid in the other. The switch may be used for either maintained or momentary (spring return to center) contact operation. The manual drum switch is the most economical device if your application does not require undervoltage or overload protection.

ORDERING DIRECTIONS

Order by complete CR nomenclature.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC MAGNETIC CONTACTORS

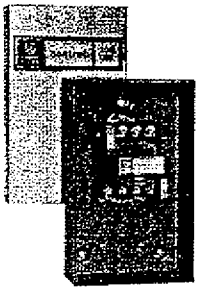
PRICING INFORMATION — CR205 FORMS

NEMA Size	Continuous AC Current Rating, Amperes †	No. of MAIN Poles (In addition to NO Aux. Contact)		General Purpose NEMA Type 1	
	Enclosed	Open	Closed	CR205 FORMS	List Price
00	9	*2 *3	Open poles can be changed to closed poles in the field without extra parts. Forms with normally closed poles are available from the factory. Order by description using listed open-pole form as reference.	H1** A1**	$22 25
0	18	*1 *2 *3 *4		J1**ADA J1** B1** R1**AEA	25 28 31 39
1	27	*1 *2 *3 *4		K1**ADA K1** C1** S1**AEA	30 33 36 44
2	45	2 3 4	Only normally open poles furnished on sizes 2-5	L1** D1** T1**	68 72 90
3	90	2 3 4		M1** E1** U1**	112 120 148
4	135	2 3 4		N1** F1** W1**	264 282 376
5	270	2 3 4		P1** G1** Z1**	558 600 1115

* Auxiliary contact on Sizes 00, 0 and 1 is rated the same as main contacts. Thus, if auxiliary contact is not required, order a form with one less pole.

** See coil suffix table below.

† For contactors carrying lighting loads or for DC ratings refer to Graybar representative.



Typical CR205 magnetic contactor in enclosure with cover removed

DESCRIPTION

The CR205 magnetic contactor includes the new, totally encapsulated coil which is impervious to contaminants. Snap-slide construction allows you to inspect the contact in seconds without disturbing the wiring. The entire unit is then housed in a newly designed electrocoated enclosure.

ORDERING DIRECTIONS

1. Specify contactor or starter by CR number and form. Add suffix number in place of **. Example: for CR205 J1** in NEMA size 1 Enclosure with 230V, 60 Hz Coil, order CR205 J103.
2. Order forms not listed or special features by complete description using a listed form as reference wherever possible.
3. Order pushbutton station from pages 228-232.
4. Modification Kits listed on pages 224-225.

GENERAL ELECTRIC MAGNETIC MOTOR STARTERS

PRICING INFORMATION — CR206 FORMS

NEMA Size	‡ Max Horsepower			GENERAL PURPOSE NEMA Type 1		
	115V	230V	460-600V	Without Push Button	Start-Stop Push Button in Cover	Hand-Off-Auto-Selector Switch in Cover
SINGLE-PHASE, 2-POLE						
				CR206 FORMS (List Prices§)		
00	⅓	1	....	$30.50 CR206 H1**	$38.50 CR206 H1**ABA	$38.50 CR206 H1**ACA
0	1	2	....	$34 CR206 J1**	$42 CR206 J1**ABA	$42 CR206 J1**ACA
1	2	3	....	$39 CR206 K1**	$47 CR206 K1**ABA	$47 CR206 K1**ACA
2	3	7½	....	$76 CR206 L1**	$84 CR206 L1**ABA	$84 CR206 L1**ACA
2- AND 3-PHASE, 3-POLE						
				CR206 FORMS (List Prices§)		
00	¾	1½	2	$32 CR206 A1**	$40 CR206 A1**ABA	$40 CR206 A1**ACA
0	2	3	5	$39 CR206 B1**	$47 CR206 B1**ABA	$47 CR206 B1**ACA
1	3	7½	10	$44 CR206 C1**	$52 CR206 C1**ABA	$52 CR206 C1**ACA
2	7½	15	25	$84 CR206 D1**	$92 CR206 D1**ABA	$92 CR206 D1**ACA
3	15	30	50	$138 CR206 E1**	$146 CR206 E1**ABA	$146 CR206 E1**ACA
4	25	50	100	$308 CR206 F1**	$316 CR206 F1**ABA	$316 CR206 F1**ACA
5¶	50	100	200	$684 CR206G1**	$692 CR206 G1**ABA	$692 CR206 G1**ACA

2-PHASE, 4-POLE forms are available. Contact your Graybar representative for pricing and ordering information.

‡ Motor full-load current should not exceed ampere rating of enclosed contactor listed by NEMA size on this page.

§ Price includes one heater for 2-pole starter and two heaters for 3-pole starters. Heaters may be omitted at $1.50 each. Three-pole, 200-Line starters sizes 00-4, can provide 3 leg overload protection by adding the third heater at $1.50 each.

** See coil suffix table.

¶ Size 5 nomenclature shown applies to 60 or 50 Hertz forms only.



Typical CR206 magnetic motor starter in enclosure, with cover removed

ORDERING DIRECTIONS

1. Specify starter by complete CR number. Add coil suffix number in place of double asterisk as selected from the coil suffix table on this page.
   Example: CR206C103 is a size 1 starter with a 230 volt 60 Hz coil in a Type 1 general purpose enclosure.
2. The final letter of the CR number denotes extra auxiliary contacts (sometimes referred to as auxiliary interlocks). Order the desired extra contacts by description.
   Example: Similar to CR206C103 except with 1 extra NC auxiliary contact.
3. For continuous rated motors with a service factor of 1.15 to 1.25, select the heater with maximum motor amps equal to or immediately greater than the actual full load current taken directly from the nameplate of the motor.
4. Order special features or forms not listed by complete descriptions using a listed form as reference.
   Example: Similar to CR206C1** except with 460/115 volt control power transformer and red indicating light in cover.
5. Order pushbutton stations from pages 228-232.
6. Modification kits listed on pages 224-225.

COIL SUFFIX —

Indicates voltage and frequency of operating coils (use where double asterisk appears in nomenclature)

Select catalog suffix number in accordance with line voltage using table below. (Do not apply to forms with a control transformer.)

Frequency (Hertz)	115V	200/208V	230V	460V	575V	600V
60	02	23	03	04	05	06
Frequency (Hertz)	**110V**	**220V**	**380V**	**440V**	**550V**	**600V**
50	07	08	04	09	10	11

Use 22 for dual rated 120V, 60Hz/110V, 50Hz coil.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC FULL VOLTAGE NON-REVERSING COMBINATION MAGNETIC MOTOR STARTERS

WHERE TO USE

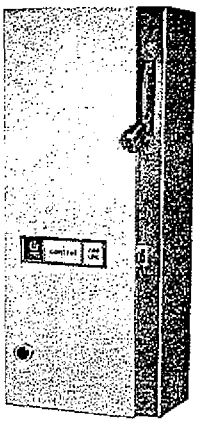
These combination 200-Line starters are used for full voltage starting of single-speed squirrel-cage induction motors up to 200 horsepower, 600 volts maximum.

The hinge design permits easy removal of the enclosure cover so that the starters may be used on rack-type control equipment. The modular units on this type of application utilize the side-by-side butt mounting method.

PRICING INFORMATION — CR207 and CR208 FORMS

List price, includes 2 overload heaters and holding interlock. Heaters may be omitted at $1.50 each. 200-Line Starters, sizes 0-4, can provide three leg overload protection by adding the third heater at $1.50 each.

Refer to page 224 for pricing of factory installed modifications.



Typical combination starter in general-purpose Type 1 enclosure

WITH DISCONNECT SWITCH (Power Fuses not included)

NEMA Size	¶ Max Horsepower — Single Element Fuses 208-240V	440-480V	550-600V	Dual Element Fuses 208-240V	440-600V	Fuse Clip Size	GENERAL PURPOSE NEMA Type 1 FORM CR208	List Price,
0	3	5	5	.....	.....	NON-F	B1**AAA	$94
	3	.....	.....	.....	.....	30	B1**BAA	97
	.....	5	5	.....	.....	30	B1**DAA	99
1	7½	10	10	.....	.....	NON-F	C1**AAA	99
	.....	.....	.....	7½	.....	30	C1**BAA	102
	7½	.....	.....	.....	.....	60	C1**CAA	104
	.....	7½ Δ	7½ Δ	.....	10	30	C1**DAA	104
	.....	10	10	.....	.....	60	C1**EAA	106
2	15	25	25	.....	.....	NON-F	D1**AAA	155
	.....	.....	.....	15	.....	60	D1**BAA	159
	15Δ	.....	.....	.....	.....	100	D1**CAA	171
	.....	15	20	.....	25	60	D1**EAA	162
	.....	25	25	.....	.....	100	D1**FAA	173
3	30	50	50	.....	.....	NON-F	E1**AAA	256
	.....	.....	.....	30	.....	100	.....	.....
	30Δ	.....	.....	.....	.....	200	E1**CAA	288
	.....	30Δ	30	.....	50	100	E1**EAA	271
	.....	50	50	.....	.....	200	E1**FAA	292
4	50	100	100	.....	.....	NON-F	F1**AAA	491
	.....	.....	.....	50	.....	200	.....	.....
	50	.....	.....	.....	.....	400	F1**CAA	557
	.....	60Δ	60	.....	100	200	F1**DAA	512
	.....	100	100	.....	.....	400	F1**EAA	565
5‡	100	200	200	.....	.....	NON-F	G1**AAA	1060
	100	.....	.....	.....	.....	600	G1**CAA	1195
	.....	125Δ	125	100	200	400	G1**FAA	1096
	.....	200	200	.....	.....	600	G1**GAA	1237

WITH CIRCUIT BREAKER (Thermal magnetic trip)

NEMA Size	¶ Max Horsepower 208-240V	440-480V	550-600V	Circuit Breaker Trip Amp	GENERAL PURPOSE NEMA Type 1 Form CR207	List Price,
0	2	.....	.....	15	B1**AAA	$101
	3	.....	.....	20	B1**BAA	101
	.....	3	5	15	B1**FAA	130
	.....	5	.....	20	B1**GAA	130
1	5	.....	.....	40	C1**DAA	106
	7½	.....	.....	50	C1**EAA	106
	.....	.....	7½	20	C1**GAA	135
	.....	7½	10	30	C1**HAA	135
	.....	10	.....	40	C1**JAA	135
2	15Δ	.....	.....	50	D1**EAA	161
	15	.....	.....	100	D1**GAA	206
	.....	.....	15	40	D1**LAA	190
	.....	25Δ	25	50	D1**MAA	190
	.....	25	.....	70	D1**NAA	206
3	30Δ	.....	.....	100	E1**CAA	275
	30	.....	.....	125	E1**BDA	380
	.....	.....	30	70	E1**EAA	275
	.....	50	50	100	E1**FAA	275
4	.....	60	75	125	F1**BAA	600
	40Δ	75	100	150	F1**CAA	600
	50	100	.....	200	F1**EAA	600
5‡	60	125Δ	150	250	G1**AAA	1349
	75	150	200	300	G1**BAA	1349
	100	200	.....	400	G1**CAA	1349

NOTE: Plastic insert cards for use in identification panel of enclosure cover are available. Order CR205X147A. $10.00 List Pkg. 100.

¶ Motor full load current should not exceed ampere rating of enclosed contactor listed by NEMA Size in contactor table, page 219.

Δ Infrequent starting duty only. Dual element, next larger size fuse or breaker with higher trip rating is recommended for frequent starts or long accelerating time.

** See coil suffix table.

‡ Size 5 nomenclature shown applies to 60 or 50 Hertz frame only.

ORDERING DIRECTIONS

1. Specify starter by complete CR number. Add coil suffix number in place of asterisks as selected from coil suffix table.

   Example: CR208C103CAA is a Size 1 starter, combination disconnect form with 230 volt 60 Hz coil and 60 Amp fuse clips in Type 1 General-purpose enclosure.

2. The final letter of the CR number denotes extra auxiliary contacts (sometimes referred to as auxiliary interlocks). Order the desired extra contacts by replacing the final letter "A" with the specific letter from first column of auxiliary interlock table, page 225.

   Example: CR208C103CAB is size 1 combination disconnect starter with 1 extra normally open auxiliary contact.

3. For continuous rated motors with a service factor of 1.15 to 1.25 select the heater with maximum motor amps equal to or immediately greater than the actual full load current taken directly from the nameplate of motor. Order heater by complete CR number from appropriate heater table on page 223.

4. Order special features or forms not listed by complete description using a listed form as reference.

   Example: Similar to CR208C1**CAA except with 230/115 volt control power transformer and red indicating light in cover.

COIL SUFFIX

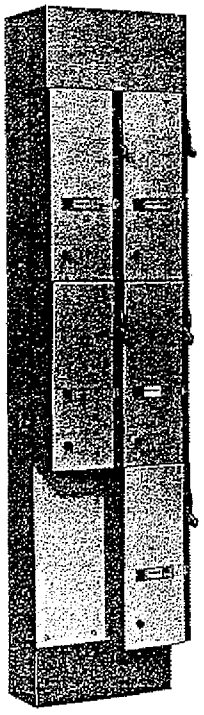
Indicates voltage and frequency of operating coils.

Select catalog suffix number in accordance with line voltage using table below. (Do not apply to forms with a control transformer).

** Coil Suffix Table (use where double asterisk appears in nomenclature).

Frequency (Hertz)	115V	220/208V	230V	460V	575V	600V
60	02	23	03	04	05	06
Frequency (Hertz)	**110V**	**220V**	**380V**	**440V**	**550V**	**600V**
50	07	08	04	09	10	11

GENERAL ELECTRIC MOD-TROL 200



CR260 MOD-TROL 200 with mounted combination starters

WHERE TO USE

MOD-TROL 200 — General Electric's new combination starter rack has been modularly designed to provide industry with an efficient, convenient and flexible method of creating a multiple combination starter mounting. Using hand tools only, the MOD-TROL 200 design permits prompt construction of starter racks for NEMA Sizes 0 through 5, across-the-line combination starters in NEMA 1 enclosures. MOD-TROL consists of a basic frame designed to be mounted against a wall. It will accept six Space Units or the equivalent number of other combinations and a basic horizontal bus trough. (See MOD-TROL 200 ordering directions.)

The bus trough is available with either 600 amp continuous rated aluminum bus bars with a short circuit rating of 50,000 asymmetrical rms amperes or copper bus bars with 700 amp continuous rating and same short circuit rating.

ORDERING DIRECTIONS

1. In order to determine your Kit make-up, roughly lay out the MOD-TROL 200, noting the size of the starters and using as a guide, the MOD-TROL 200 Sizing Data.

Determine the most economical layout, keeping in mind that starters should be mounted according to size beginning with largest starter at the BOTTOM, smaller starters toward the TOP. Where more than one MOD-TROL 200 frame is being assembled, mount the largest starter in the LOWER LEFT corner, smaller starters toward the TOP and RIGHT.

For example: "B" Module requires 2 Space Units. (One Space Unit measures 10"x24").
"C" Module requires 4 Space Units.
"D" Module requires 4 Space Units.

The enclosure of a NEMA Size 5 starter protrudes slightly in front and rests on the floor, but occupies the same space on a single frame as the "C" Module.

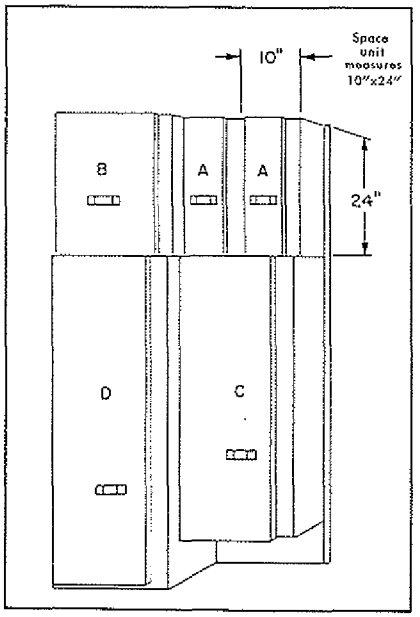
2. Specify all Kit parts by CR number and form as listed in "Pricing Information."

EXAMPLE: Kit complete to mount two NEMA Size 1, one NEMA Size 3, one NEMA Size 4 and one NEMA Size 5 motor starters with grounded neutral bus (3 phase/4 wire) and aluminum bus bars will require the following:

2 frames CR260A005A
2 bus troughs CR260A007A
1 set of frame side plates CR260A006A
1 set of bus trough side plates CR260A008A
1 set of three main bus bars (40") CR260A002A
1 neutral bus bar (40") CR260A012A

3. Module units such as fusible disconnect in enclosure, thermal magnetic circuit breaker in enclosure, or enclosure only are available. Refer to Graybar Representative for complete pricing and ordering information of these units.

MOD-TROL 200 SIZING DATA



Starter Forms	NEMA Size	Module Outline Reference Letter	Max. Ckt. Brk. Trip Amp.	Max. Fuse Clip Size	No. of Space Units
CR207, CR208	0	A	20	30A-600V	1
	1	A	50	60A-600V	1
	2	A	100	100A-250V	1
		A	100	60A-600V	1
		B	...	100A-600V	2
	3	B	125	200A-600V	2
	4	B	200	.....	2
		C	...	400A-600V	4
	5	D	400	600A-600V	4

PRICING INFORMATION — Basic Components In Kit Form

Description	CR260 Form	List Price Each
Basic Frame with Mounting Hardware	A005A	$75
Basic Bus Trough Less Bus Bars	A007A	48
Set (2) Side Plates for Frame	A006A**	16
Set (2) Side Plates for Bus Trough	A008A**	6
Cover Plate for 1 Unused Space Unit	A009A	6

BUS BARS:

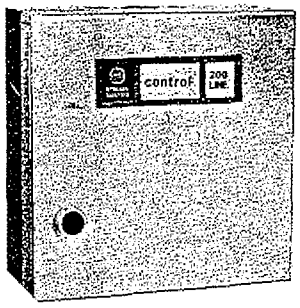
No. of Bus Troughs	Bar Duty	Length (Inches)	Alum. (Incl. Hardware)	Copper (Incl. Hardware)	
1	Main	20	A001A†	.....	15
			.....	A001C†	36
	UGN	20	A015A*	.....	5
			.....	A015C*	12
	GN	20	A011A*	.....	5
			.....	A011C*	12
2 (side by side)	Main	40	A002A†	.....	33
			.....	A002C†	69
	UGN	40	A016A*	.....	11
			.....	A016C*	23
	GN	40	A012A*	.....	11
			.....	A012C*	23
3 (side by side)	Main	60	A003A†	.....	48
			.....	A003C†	105
	UGN	60	A017A*	.....	16
			.....	A017C*	35
	GN	60	A013A*	.....	16
			.....	A013C*	35
4 (side by side)	Main	80	A004A†	.....	63
			.....	A004C†	141
	UGN	80	A018A*	.....	21
			.....	A018C*	47
	GN	80	A014A*	.....	21
			.....	A014C*	47
Set (3) Main Bus Connecting Links (To connect bars to adjacent sections)			A010A	.....	15
			.....	A010C	24
Neutral Bus Connecting Link (Qty. 1)			A019A	.....	5
			.....	A019C	8

UGN: Ungrounded Neutral GN: Grounded Neutral

** One SET req'd per installation.
* One req'd when used. All SETS include Hardware for installation with hand tools.
† Includes three bus bars.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC FULL VOLTAGE MAGNETIC REVERSING CONTROLLERS



Typical CR209 reversing starter, in NEMA Type 1 enclosure

WHERE TO USE

The 200-Line reversing controller is used for full voltage starting and reversing of squirrel-cage induction motors up to 200 horsepower, 600 volts maximum.

These controllers are used for single-phase or polyphase motors on applications where plugging as well as reversing operations are required.

PRICING INFORMATION — CR209 Forms

3-PHASE, 3-3 POLE AND 2-PHASE, 3-WIRE

List price, (includes overload heater(s) and holding interlocks) (Heaters may be omitted at $1.50 each)
See listing of factory and/or field installed modifications listed on page 224.

NEMA Size	¶Max Horsepower			WITH OVERLOAD RELAYS (2- or 3-phase, two O.L.'s)	WITHOUT OVERLOAD RELAYS
	115V	230V	460-600V	General Purpose NEMA Type 1	General Purpose NEMA Type 1
00	¾	1½	2	$ 72 A1**	$ 64 A1**ABA
0	2	3	5	84 B1**	76 B1**BAA
1	3	7½	10	96 C1**	88 C1**BAA
2	7½	15	25	184 D1**	172 D1**ALA
3	15	30	50	305 E1**	287 E1**ALA
4	25	50	100	724 F1**	698 F1**ALA
5‡	50	100	200	1551 G1**	1466 G1**ALA

Note: 2-Phase, 4-Wire, 4-4 Pole forms are available. Contact nearest GE Sales Office for information.
‡ Size 5 nomenclature shown applies to 60 or 50 Hertz forms only.
¶ Motor full load current should not exceed ampere rating of enclosed contactor listed by NEMA Size on page 219.

ORDERING DIRECTIONS

1. Specify controller by complete CR number and form. Add coil suffix number in place of **.

   Example: CR209D103 is a Size 2 reversing starter, 3-3 pole in NEMA Type 1 enclosure with 230 volt, 60 Hz coil.

2. Select overload heaters necessary from Heater Selection Table, page 223, based on motor full load current.

3. Order forms not listed or with special features by complete description using a listed form as reference wherever possible.

   Example: Similar to CR209D103 except with red indicating light in cover.

COIL SUFFIX

Indicates voltage and frequency of operating coils.

Select catalog suffix number in accordance with line voltage using table below. (Do not apply to forms with a control transformer).

** Coil Suffix Table (use where double asterisk appears in nomenclature).

Frequency (Hertz)	115V	200/208V	230V	460V	575V	600V
60	02	23	03	04	05	06
Frequency (Hertz)	**110V**	**220V**	**380V**	**440V**	**550V**	**600V**
50	07	08	04	09	10	11

Use 22 for dual rated 120V, 60 Hz/110V, 50 Hz coil.

HEATER SELECTION TABLES FOR FULL-VOLTAGE MAGNETIC STARTERS

OVERLOAD HEATER SELECTION

For continuous rated motors, with a service factor of 1.15 to 1.25, select the heater with maximum motor amps equal to or immediately greater than the motor load current (provides a maximum of 125% protection). For continuous rated motors with no service factor, multiply the full load current of the motor by 0.90 and use this value to select the heater.

To protect the heater during short circuit, provide motor branch circuit protection in accordance with the National Electrical Code. CAUTION: Overload relays, when adjusted for automatic reset, should not be used with two-wire, maintained contact pilot devices such as pressure, float and limit switches as inadvertent restarting of the motor can occur.

HEATERS FOR FULL-VOLTAGE DEVICES

The table below should be used to determine which column of motor full-load amperes applies for heater selection. Select in order, the basic device including nomenclature and description, the NEMA type of enclosure, and the column to be used in the proper table by NEMA size.

Basic Device	Description	NEMA Type of Enclosure	Quantity of Heaters Req'd	Use Heater Table Column
CR206	Single phase, 2-pole	Open	1	A
CR206	Single phase, 2-pole	Type 1	1	B
CR206	2 and 3-phase, 3-pole, 2-leg protection	Open	2	C
CR206	2 and 3-phase, 3-pole, 2-leg protection	Type 1	2	D
CR206	3-phase, 3-pole, 3-leg protection	Open	3	E
CR206	3-phase, 3-pole, 3-leg protection	Type 1	3	F
CR207 CR208	3-phase, 3-pole, 2-leg protection	Type 1	2	D
CR207 CR208	3-phase, 3-pole, 3-leg protection	Type 1	3	F
CR209	3-phase, 3—3-pole, 2-leg protection	Open	2	C
CR209	3-phase, 3—3-pole, 2-leg protection	Type 1	2	D
CR209	3-phase, 3—3-pole, 3-leg protection	Open	3	E
CR209	3-phase, 3—3-pole, 3-leg protection	Type 1	3	F

HEATER SELECTION TABLES FOR FULL-VOLTAGE MAGNETIC STARTERS

NEMA SIZES 00, 0 AND 1

Max. Motor Full-load Amperes						Heater Cat. No. CR123
A	B	C	D	E	F	
0.48	0.46	0.51	0.49	0.45	0.43	C0.54A
0.55	0.50	0.55	0.52	0.49	0.48	C0.60A
0.57	0.57	0.61	0.57	0.53	0.53	C0.66A
0.65	0.62	0.65	0.62	0.59	0.58	C0.71A
0.69	0.63	0.74	0.70	0.65	0.64	C0.78A
0.83	0.80	0.88	0.81	0.76	0.74	C0.87A
0.97	0.91	0.97	0.93	0.84	0.84	C0.97A
1.03	0.99	1.05	1.01	0.93	0.92	C1.09A
1.12	1.09	1.10	1.08	1.04	1.02	C1.18A
1.26	1.22	1.24	1.21	1.15	1.10	C1.31A
1.40	1.31	1.35	1.33	1.27	1.23	C1.48A
1.46	1.46	1.57	1.56	1.39	1.38	C1.63A
1.63	1.59	1.71	1.69	1.55	1.49	C1.84A
1.79	1.74	1.91	1.83	1.73	1.67	C1.96A
1.97	1.93	2.07	2.03	1.89	1.79	C2.20A
2.25	2.13	2.26	2.24	2.05	1.98	C2.39A
2.43	2.37	2.55	2.56	2.28	2.24	C2.68A
2.60	2.52	2.76	2.75	2.47	2.43	C3.01A
2.96	2.87	3.19	3.15	2.79	2.75	C3.26A
3.57	3.39	3.67	3.60	3.31	3.25	C3.56A
3.86	3.59	3.96	3.88	3.70	3.43	C3.79A
4.43	4.31	4.60	4.47	4.06	4.03	C4.19A
4.87	4.57	4.87	4.79	4.47	4.43	C4.66A
5.37	5.31	5.57	5.41	4.95	4.94	C5.26A

Max. Motor Full-load Amperes						Heater Cat. No. CR123
A	B	C	D	E	F	
5.99	5.86	6.15	6.12	5.49	5.36	C5.92A
6.39	6.19	6.62	6.47	5.91	5.77	C6.30A
6.87	6.61	7.11	7.09	6.47	6.35	C6.95A
7.71	7.61	7.92	7.76	7.20	6.92	C7.78A
8.72	8.46	9.11	8.79	8.22	7.99	C8.67A
9.50	9.35	9.59	9.36	8.72	8.47	C9.55A
10.5	10.4	10.7	10.4	9.67	9.19	C10.4B
11.7	11.3	12.5	12.2	10.4	10.0	C11.3B
12.2	11.9	13.5	12.9	11.0	10.7	C12.5B
13.5	13.0	14.3	13.6	12.4	12.0	C13.7B
15.1	14.5	15.2	14.7	13.2	12.9	C15.1B
17.5	17.4	18.1	17.5	15.4	15.1	C16.3B
18.9	18.6	19.7	19.4	17.1	16.3	C18.0B
20.8	20.5	20.9	20.2	18.1	17.9	C19.8B
22.4	22.3	22.1	21.6	20.0	19.7	C21.4B
25.5	24.7	23.9	23.1	21.5	21.2	C22.8B
26.2	25.7	25.2	24.3	22.5	22.3	C25.0B
27.0	27.0	26.0	25.1	23.9	23.5	C27.3B
		27.0	27.0	26.3	25.5	C30.3B
				27.0	27.0	C33.0B

PRICING INFORMATION

Heater Nomenclature	List Price, Each
CR123C (all)	$1.50
CR123F (all)	1.50

NEMA SIZE 2

Max. Motor Full-load Amperes				Heater Cat. No. CR123
C	D	E	F	
6.48	6.16	5.85	5.72	C6.30A
7.27	7.04	6.47	6.30	C6.95A
8.16	7.83	7.35	7.04	C7.78A
9.03	8.87	8.06	7.91	C8.67A
9.52	9.27	9.03	8.80	C9.55A
10.4	10.1	9.61	9.27	C10.4B
11.6	11.3	10.5	9.99	C11.3B
12.9	12.5	11.6	11.1	C12.5B
13.8	13.6	12.5	12.1	C13.7B
15.0	14.6	13.6	13.1	C15.1B
17.7	17.0	16.7	15.5	C16.3B
20.1	19.1	17.9	16.8	C18.0B
21.9	20.5	18.7	18.0	C19.8B
23.7	22.8	20.4	19.7	C21.4B
25.1	24.2	22.7	21.6	C22.8B
27.8	26.7	24.7	23.9	C25.0B
28.4	27.9	26.3	25.5	C27.3B
31.9	31.1	29.5	28.2	C30.3B
36.4	35.5	33.5	31.5	C33.0B
42.2	40.8	37.8	35.8	C36.6B
45.0	44.6	41.9	39.0	C40.0B
....	45.0	43.2	40.6	C44.0B
....	....	45.0	45.0	C46.0B

NEMA SIZE 3

Max. Motor Full-load Amperes				Heater Cat. No. CR123
C	D	E	F	
20.2	19.4	....	....	F19.9B
21.0	20.1	....	....	F21.8B
21.8	21.1	19.3	18.4	F23.3B
24.5	24.6	22.1	21.1	F24.3B
25.7	25.2	23.4	22.1	F27.0B
29.9	29.2	27.0	26.1	F30.0B
34.5	32.8	29.1	28.0	F32.7B
38.2	36.2	32.8	31.3	F35.7B
40.4	39.6	35.0	34.3	F39.5B
42.7	41.6	37.6	35.4	F43.0B
47.1	45.7	43.2	42.2	F48.7B
49.9	50.4	47.7	44.7	F56.7B
56.6	56.4	53.7	52.6	F61.4B
64.6	60.4	57.5	53.6	F65.8B
69.6	65.4	61.6	57.1	F71.9B
79.5	74.5	70.2	65.3	F77.2B
84.0	79.0	73.7	68.1	F84.8B
90.0	86.4	80.6	75.8	F91.4B
....	90.0	90.0	84.7	F104C
....	....	....	90.0	F114C

NEMA SIZE 4

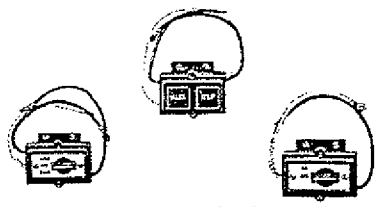
Max. Motor Full-load Amperes				Heater Cat. No. CR123
C	D	E	F	
34.2	32.8	....	....	F32.7B
37.7	37.0	33.2	31.1	F35.7B
39.4	39.0	35.1	34.3	F39.5B
42.5	42.2	37.9	36.7	F43.0B
50.1	48.7	46.0	42.6	F48.7B
54.2	53.0	49.9	46.6	F56.7B
61.6	60.2	55.6	52.7	F61.4B
67.1	63.5	59.2	55.6	F65.8B
73.2	71.6	61.9	58.7	F71.9B
84.6	82.3	71.6	67.2	F77.2B
90.4	85.5	73.9	70.7	F84.8B
99.1	95.2	82.4	76.4	F91.4B
108.0	104.0	95.2	88.7	F104C
112.0	108.0	99.9	93.5	F114C
127.0	121.0	105.0	99.9	F118C
133.0	130.0	113.0	105.0	F133C
....	133.0	124.0	113.0	F149C
....	....	133.0	131.0	F161C
....	....	....	133.0	F174C

NEMA SIZE 5

Max. Motor Full-load Amperes				Heater Cat. No. CR123
C	D	E	F	
77.7	73.8	71.7	68.1	C3.56A
85.5	81.2	79.9	75.8	C3.79A
95.1	90.4	88.7	84.3	C4.19A
105.0	99.7	95.9	91.1	C4.66A
118.0	112.0	105.0	99.8	C5.26A
131.0	124.0	115.0	109.0	C5.92A
144.0	137.0	124.0	118.0	C6.30A
157.0	148.0	134.0	126.0	C6.95A
169.0	156.0	150.0	139.0	C7.78A
185.0	166.0	163.0	152.0	C8.67A
200.0	178.0	179.0	160.0	C9.55A
221.0	190.0	194.0	167.0	C10.4B
241.0	200.0	215.0	178.0	C11.3B
254.0	211.0	230.0	191.0	C12.5B
270.0	230.0	254.0	205.0	C13.7B
....	248.0	270.0	221.0	C15.1B
....	270.0	....	248.0	C16.3B
....	....	....	270.0	C18.0B

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC MODIFICATION KITS FOR FIELD INSTALLATION OF 200-LINE MAGNETIC CONTACTORS AND STARTERS



Selector switch and start-stop push-button type kits

MOMENTARY CONTACT START-STOP PUSH-BUTTON KIT

To be installed in cover of general purpose, NEMA Type 1 enclosed CR205-208 devices. Handy knockouts are provided in the enclosure cover for mounting the unit.

NEMA Size	Nomenclature	List Price
00, 0, 1	CR205 X120N	$8.00
2	CR205 X220N	8.00
3, 4	CR205 X320B	8.00

HAND-OFF-AUTO SELECTOR SWITCH KIT

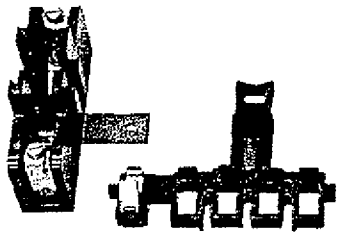
To be installed in cover of general purpose, NEMA Type 1 enclosed CR205-208 devices. Two-position mounted by sliding over bracket. Knockouts in enclosure cover.

NEMA Size	Nomenclature	List Price
00, 0, 1	CR205 X130N	$8.00
2	CR205 X230N	8.00
3, 4	CR205 X330B	8.00

ON-OFF SELECTOR SWITCH KIT

To be installed in cover of general purpose, NEMA Type 1 enclosed CR205-208 devices. Two-position pilot device mounts easily through knockout in enclosure cover.

NEMA Size	Nomenclature	List Price
00, 0, 1	CR205 X130P	$8.00
2	CR205 X230D	8.00
3, 4	CR205 X330D	8.00
5	CR205 X530D	8.00



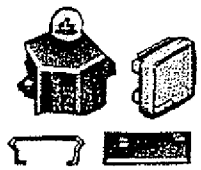
Fifth-pole kit

FIFTH POLE KIT

To be installed on NEMA Sizes 0, 1, and 2 magnetic four-pole contactors and starters. Permits the addition of a fifth pole with the same rating as the main poles.

NEMA Size	Nomenclature	List Price
0, 1	CR205 X111B	$11.00
2 (add to 4-pole form)	CR205 X211B	20.00

NOTE: The size 0-1 Kit mounts on right side of device. The size 2 Kit mounts on left side of device.



Indicating light kit

INDICATING LIGHT KIT (RED)

Available for CR206-208 devices in general purpose, NEMA Type 1 enclosures. Kit has three resistors allowing light to be used with all voltages 110 thru 600 volts.

NEMA Size	Nomenclature	List Price
00, 0, 1	CR205 X150N	$15.00
2	CR205 X250N	15.00
3, 4	CR205 X350B	15.00

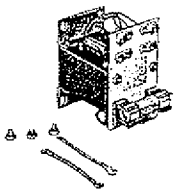


Surge suppression kit

SURGE SUPPRESSION KIT

To be installed where the demands of solid state circuitry necessitate prevention of undesirable reactions in logic circuits.

NEMA Sizes	Nomenclature	List Price
00, 0, 1	CR205 X146C	$5.65
2, 3, 4	CR205 X246C	5.65



Transformer kits for CR207 and CR208 size 0-4 combination starters

200-LINE COMBINATION STARTER TRANSFORMER KITS

To be installed on CR207 and CR208 Sizes 0-4 combination starters. They supply low voltage control for these devices.

Nomenclature	NEMA Size	List Price †
CR208 XT1**A	0, 1	$18.00
CR208 XT2**A	2	22.00
CR208 XT3**A	3	33.00
CR208 XT4**A	4	41.00

**Voltage and Frequency Suffixes are as follows. (all 60 Hz.):
04—220-230-240/440-460-480 Dual primary reconnectable. 110-115-125 v. Secondary.
05—550-575-600 v. Primary, 110-115-120 v. Secondary
23—200-208 v. Primary, 115-120 v. Secondary
† Secondary fuse included in price.

200-LINE MODIFICATIONS AND ADDITIONAL FEATURES (Factory Installed)

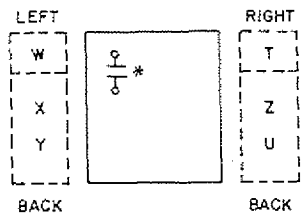
The following prices are to be added to the price of standard listed apparatus when the modifications or special features indicated are required. For CR205, CR206, CR207, CR208, CR209 in NEMA Type 1 enclosure.

Item Number	Modifications		NEMA Size 00	0	1	2	3	4	5
	ADDITIONS		List Price Additions						
1.	CONTROL-CIRCUIT TRANSFORMER in starter case with short-circuit protection in low-voltage side. Standard supply voltages 550-575-600, single-voltage or 220-230-240/440-460-480 dual voltage, 60 Hertz only; control voltage, 110-115-120. For other ratings and dimensions of larger cases which may be required refer to nearest Graybar representative.	60 or 50 Hertz 25 Hertz	... ...	$27 41	$27 41	$38 57	$56 84	$68 102	$77* 102*
2.	CONTROL-CIRCUIT TRANSFORMER WITH 100 WATTS EXTRA CAPACITY with short-circuit protection in low-voltage side. Standard voltages 550-575-600 single-voltage or 220-230-240/440-460-480 dual-voltage supply, 110-115-120 volt control. For other ratings and dimensions refer to nearest Graybar representative. Special case required.	60 or 50 Hertz	...	48	48	62	78	88	98*
3.	START-STOP momentary contact push button, HAND-OFF-AUTO selector switch or OFF-ON selector switch in cover. (CR205-208 only)		$ 8	8	8	8	8	8	8
4.	AUXILIARY CONTACT UNITS, normally open or normally closed, each		...	11	11	11	11	11	11
5.	TO CHANGE STANDARD NORMALLY OPEN-HOLDING INTERLOCK TO NORMALLY CLOSED. (No deduction for omission)		...	11	11	11	11	11	11
6.	OVERLOAD RELAY FOR THIRD LINE. (Multispeed req. 1 O.L. each speed) Price includes heater(s).		1.50	1.50	1.50	1.50	1.50	1.50	40
7.	SERVICE IDENTIFICATION NAMEPLATE (laminated plastic)		1.50	1.50	1.50	1.50	1.50	1.50	1.50
8.	AMBIENT COMPENSATED OVERLOAD, additional per relay.		2	2	2	2	2	2	2
9.	Special Voltage and/or Frequency Magnet Coil, per Coil STANDARD VOLTAGES ARE: 24, 110, 115, 120, 200/208 (60 Hertz), 220, 230, 240, 380 (50 Hertz), 440, 460, 480, 575 and 600 volts. STANDARD FREQUENCIES ARE: 60, 50, and 25 Hertz (Not d-c)		...	4	4	5	7	8	10
10.	RED INDICATING LIGHT in cover. (Interlock not included) (CR205, CR206, CR207 and CR208)	1 Light 2 Lights, ea.	15 ...	15 27	15 27	15 27	15 27	15 27	15 27
11.	GREEN INDICATING LIGHT in cover. (Interlock not included) (CR205-CR208 only) (Aux. contact normally req'd)	1 Light	...	27	27	27	27	27	27
	OMISSIONS		List Price Omissions						
12.	OVERLOAD-RELAY HEATERS, EACH		$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50	$ 1.50
13.	OVERLOAD RELAY INCLUDING HEATERS (CR207 and CR208)		8	8	8	12	18	27	...

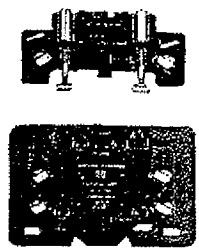
* Furnished as a small volt-ampere transformer and a control relay to energize the contactor coil.

GENERAL ELECTRIC AUXILIARY CONTACT UNIT KITS

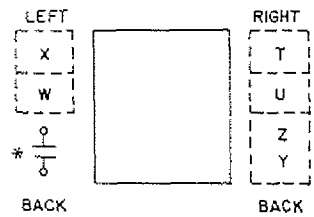
200-LINE AUXILIARY CONTACT UNIT KITS — CR205X



NEMA Sizes 0 and 1, single-speed, non-reversing, 2- and 3-pole contactors and starters



Typical 200-Line Auxiliary Contact Kits — basic block (btm), adder block (top).



NEMA Sizes 2, 3, and 4 single-speed, non-reversing contactors and starters

EXTRA AUXILIARY CONTACT TABLE							KITS FOR FIELD MODIFICATION ORDER IN QUANTITIES SHOWN AS CR205				
Final Suffix Letter of "CR" No. on Contactor or Starter	CONTACT LOCATION 4 CONTACTS MAX.										
	W‡	X	Y	T†	Z	U	X100A	X100B	‡ X100C	† X100D	† X100E
A (or none)											
B		⊣⊢					1				
C			⊀⊁					1			
D		⊣⊢	⊀⊁						1		
E	⊣⊢	⊣⊢					1			1	
F	⊀⊁		⊀⊁					1			1
G	⊣⊢	⊣⊢	⊀⊁						1	1	
H	⊀⊁	⊣⊢	⊀⊁						1		1
J	⊣⊢	⊣⊢			⊣⊢		2			1	
K	⊀⊁		⊀⊁			⊀⊁		2			1
L	⊣⊢	⊣⊢		⊣⊢	⊣⊢		2			2	
M	⊀⊁		⊀⊁	⊀⊁		⊀⊁		2			2
N		⊣⊢	⊀⊁		⊣⊢	⊀⊁			2		
P	⊣⊢	⊣⊢	⊀⊁		⊣⊢		1		1	1	
R	⊀⊁	⊣⊢	⊀⊁			⊀⊁		1	1		1

Pricing Information: All Kits—$6.00 ea. except CR205X100C—$8.00 ea.

* Standard holding interlock.

† CR205X100D and CR205X100E are field convertible. Normally Open to Normally closed and vice versa.

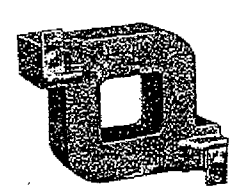
‡ Both NO and NC contacts must be of same polarity.

EXTRA AUXILIARY CONTACT TABLE							KITS FOR FIELD MODIFICATION ORDER IN QUANTITIES SHOWN AS CR205				
Final Suffix Letter of "CR" No. on Contactor or Starter	CONTACT LOCATION 5 CONTACTS MAX.						For Size 2:				
							X200A	X200B	X200C‡	X100D†	X100E†
	W†	X†	Y	Z	T†	U†	For Sizes 3, 4:				
							X300A	X300B	X300C‡	X100D†	X100E†
A (or none)											
B	⊣⊢									1	
C	⊀⊁										1
D			⊀⊁	⊣⊢					1		
E	⊣⊢	⊣⊢								2	
F	⊀⊁	⊀⊁									2
G	⊣⊢		⊀⊁	⊣⊢					1	1	
H	⊀⊁		⊀⊁	⊣⊢					1		1
J	⊣⊢	⊣⊢		⊣⊢			1			2	
K	⊀⊁	⊀⊁	⊀⊁					1			2
L	⊣⊢	⊣⊢		⊣⊢		⊣⊢	1			3	
M	⊀⊁	⊀⊁	⊀⊁			⊀⊁		1			3
N	⊀⊁	⊣⊢	⊀⊁	⊣⊢					1	1	1
P	⊣⊢	⊣⊢	⊀⊁	⊣⊢					1	2	
R	⊀⊁	⊀⊁	⊀⊁	⊣⊢					1		2
S	⊀⊁	⊣⊢	⊀⊁	⊣⊢		⊣⊢			1	2	1
T	⊀⊁	⊣⊢	⊀⊁	⊣⊢		⊀⊁			1	1	2
U	⊣⊢	⊣⊢	⊀⊁	⊣⊢		⊣⊢			1	3	
W	⊀⊁	⊀⊁	⊀⊁	⊣⊢		⊀⊁			1		3
X	⊣⊢	⊣⊢		⊣⊢	⊣⊢	⊣⊢	1			4	
Y	⊀⊁	⊀⊁	⊀⊁		⊀⊁	⊀⊁		1			4

Pricing Information: All Kits—$6.00 ea. except CR205X200C and CR205X300C—$8.00 ea.

OPERATING COIL KIT —
For 200-Line Magnetic Contactors and Starters

Operating coil for two- and three-pole magnetic contactors and starters of the basic CR205 and CR206 types. (For four- and five-pole devices, refer to your Graybar Representative). Select a coil for each basic contactor — e.g., a reversing controller requires two coils.



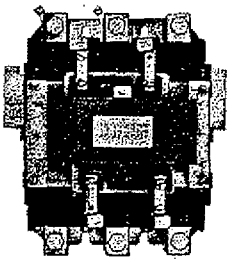
Hertz	Volts	200-Line NEMA Size 00 $5.00 List Price	200-Line NEMA Size 0 to 1 $7.50 List Price	200-Line NEMA Size 2 $9.00 List Price	200-Line NEMA Size 3 $20.00 List Price	200-Line NEMA Size 4 $30.00 List Price	200-Line NEMA Size 5 $35.00 List Price
60	115	55-153472G2	15D21G2	15D22G2	55-501336G2	55-501463G2	55-501493G2
	230	55-153472G3	15D21G3	15D22G3	55-501336G3	55-501463G3	55-501493G3
	460	55-153472G4	15D21G4	15D22G4	55-501336G4	55-501463G4	55-501493G4
	575	55-153472G5	15D21G5	15D22G5	55-501336G5	55-501463G5	55-501493G5
50	110	55-153472G7	15D21G7	15D22G7	55-501336G7	55-501463G7	55-501493G7
	220	55-153472G8	15D21G8	15D22G8	55-501336G8	55-501463G8	55-501493G8
	440	55-153472G9	15D21G9	15D22G9	55-501336G9	55-501463G9	55-501493G9
	550	55-153472G10	15D21G10	15D22G10	55-501336G10	55-501463G10	55-501493G10

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC LIGHTING CONTACTORS—CR160 TYPE L



Open 30-, and 300-amp electrically held lighting contactors



PRICING INFORMATION

Continuous Ampere Rating	No. of Poles	Lighting Contactor			
		Open		NEMA Type 1 Enclosure	
		Nomenclature	List Price	Nomenclature	List Price
30	2	CR160 L31**AA	$31	CR160 L32**AA	$33
	3	L37**AA	34	L38**AA	36
	4	L313**AA	42	L314**AA	44
60	2	CR160 L41**AA	58	CR160 L42**AA	68
	3	L47**AA	62	L48**AA	72
	4	L413**AA	80	L414**AA	90
100	2	CR160 L51**AA	92	CR160 L52**AA	112
	3	L57**AA	100	L58**AA	120
	4	L513**AA	128	L514**AA	148
200	2	CR160 L61**AA	222	CR160 L62**AA	264
	3	L67**AA	240	L68**AA	282
	4	L613**AA	334	L614**AA	376
300	2	CR160 L71**AA	481	CR160 L72**AA	558
	3	L77**AA	523	L78**AA	600
	4	L713**AA	961	L714**AA	1115

† Prices do not include holding interlock. Order as auxiliary-contact modification if required.

**Coil Suffix Table

Select coil suffix number in accordance with line voltage. (Do not apply to forms with a control-circuit transformer.)

Frequency	115 Volt	230 Volt	277 Volt	460 Volt	480 Volt
60 Hertz	02	03	82	04	35

WHERE TO USE

These CR160 magnetic lighting contactors are specifically rated for 30-, 60-, 100-, 200- and 300-ampere tungsten-, fluorescent- and mercury-arc-lamp loads.

These may be controlled by a remote push button, toggle or selector switch or other pilot device. Listed mechanically held forms may be used with either momentary or maintained contact pilot devices where a coil hum would be objectionable.

Open or enclosed ratings are 30, 60, 100, 200 and 300 amperes, a-c full-load current.

Maximum A-C Voltage Rating

Lighting Load	Line	Load
Tungsten	250	250
Ballast, Fluorescent & Mercury	480	277

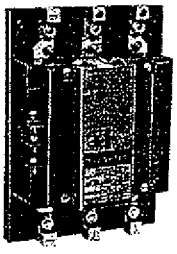
D-C Tungsten Rating

Contactor Size	No. Poles in Series for	
	125 Volts, Max	250 Volts, Max
30 Amperes	2	3
60 Amperes	2	4
100-300 Amperes	2	2

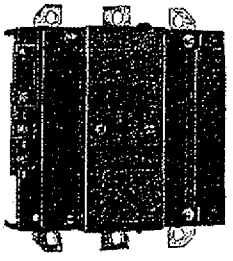
ORDERING DIRECTIONS

1. Order by complete CR nomenclature. Add coil suffix number (from table) in place of **.
   Example: CR160L3804AA is a 30-ampere, 3-pole contactor with 460-volt 60 Hz coil in a NEMA Type 1 enclosure.
2. Order special features or forms not listed by complete description using a listed form as reference wherever possible.
   Example: Similar to CR160L38**AA except with 460/115 volt control transformer.

LIGHTING CONTACTORS—CR160 TYPE MB



Lighting Contactor, CR160MB with Sub-panel



Lighting Contactor, CR160MB for Bus Mounting

MAXIMUM A-C VOLTAGE RATINGS CR160 TYPE MB

Type of Load	Contactors with 30-60-75-100-150-200 Full Load Amp Rating	
	Max A-C Volts	
	Line	Load
Tungsten	480	277
	Breaking All Lines	
General Use	600 Volts A-C Max	
Ballast	600 Volts A-C Max	

PRICING INFORMATION

Full-load Ampere Rating	No. of Poles	For Bus Mtg		With Sub-panel		NEMA 1 Enclosed	
		Nomenclature	List Price	Nomenclature	List Price	Nomenclature	List Price
30	2	CR160MB36**A	$122	CR160MB33**A	$144	CR160MB34**A	$188
	3	CR160MB35**A	138	CR160MB31**A	162	CR160MB32**A	207
60	2	CR160MB46**A	126	CR160MB43**A	152	CR160MB44**A	197
	3	CR160MB45**A	144	CR160MB41**A	174	CR160MB42**A	221
75	2	CR160MB86**A	126	CR160MB83**A	152	CR160MB84**A	197
	3	CR160MB85**A	144	CR160MB81**A	174	CR160MB82**A	221
100	2	CR160MB56**A	144	CR160MB53**A	172	CR160MB54**A	222
	3	CR160MB55**A	165	CR160MB51**A	202	CR160MB52**A	254
150	2	CR160MB66**A	180	CR160MB63**A	214	CR160MB64**A	280
	3	CR160MB65**A	228	CR160MB61**A	275	CR160MB62**A	345
200	2	CR160MB76**A	207	CR160MB73**A	241	CR160MB74**A	308
	3	CR160MB75**A	258	CR160MB71**A	305	CR160MB72**A	377

**Coil Suffix Table

Select coil number to match voltage applied to coil.

Voltage—60 Hertz	Coil No.	Voltage—60 Hertz	Coil No.
115	02	277	82
120	22		
230	03	460	04
240	25	480	35

WHERE TO USE

The CR160MB mechanically latched lighting contactor is designed for control of lighting loads such as tungsten, fluorescent, mercury and sodium as well as for general non-inductive loads. The shallow type design makes this contactor particularly adaptable for wall-cavity mounting applications.

Forms shown in table are listed by Underwriters Laboratories, Inc.

ORDERING INFORMATION

Order by complete CR nomenclature. Add coil number from coil table in place of ** in nomenclature.

Example: CR160MB8502A is a 75 amp, 3-pole contactor, open type for bus mounting with 115 volt 60 Hz coil.

Substitute letters in place of suffix letter A —to indicate extra auxiliary contact(s) and/or fuse clip assembly. Suffix letter A indicates that contactor is supplied with coil clearing interlocks only.

Example: CR160MB4125B is a 60 amp, 3-pole contactor, with 1 extra normally closed auxiliary contact.

All other modifications must be ordered by description using listed contactor as reference where possible.

Example: Similar to CR160MB54**A except with 460/115 volt control transformer and Off-On selector switch in cover.

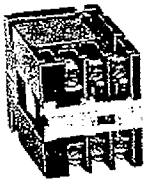
GENERAL ELECTRIC 300-VOLT INDUSTRIAL RELAYS

PRICING INFORMATION—CR120 A

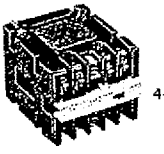
No. of Poles			Convertible Contacts*		
Total	NO	NC	Clamp-type Terminals	Quick-connect Terminals	List Price
2	2	0	CR120 A020**AA	CR120 A020**AB	$12.00
	1	1	A011**AA	A011**AB	14.00
	0	2	A002**AA	A002**AB	14.00
3	3	0	CR120 A030**AA	CR120 A030**AB	14.00
	2	1	A021**AA	A021**AB	16.00
	1	2	A012**AA	A012**AB	16.00
	0	3	A003**AA	A003**AB	16.00
4	4	0	CR120 A040**AA	CR120 A040**AB	16.00
	3	1	A031**AA	A031**AB	18.00
	2	2	A022**AA	A022**AB	18.00
	1	3	A013**AA	A013**AB	18.00
	0	4	A004**AA	A004**AB	18.00
6	6	0	CR120 A060**AA	CR120 A060**AB	20.00
	5	1	A051**AA	A051**AB	22.00
	4	2	A042**AA	A042**AB	22.00
	3	3	A033**AA	A033**AB	22.00
	2	4	A024**AA	A024**AB	22.00
	1	5	A015**AA	A015**AB	22.00
	0	6	A090**AA	A090**AB	22.00
8	8	0	CR120 A080**AA	CR120 A080**AB	24.00
	7	1	A071**AA	A071**AB	26.00
	6	2	A062**AA	A062**AB	26.00
	5	3	A053**AA	A053**AB	26.00
	4	4	A044**AA	A044**AB	26.00
	3	5	A035**AA	A035**AB	26.00
	2	6	A091**AA	A091**AB	26.00
	1	7	A092**AA	A092**AB	26.00
	0	8	A093**AA	A093**AB	26.00
10	10	0	CR120 A342**	.....	28.00
12	12	0	CR120 A330**	.....	32.00

* Forms listed may be converted only to a maximum of 4 NC poles. 6- and 8-pole forms with more than 4 NC poles may not be converted to less than 6 NC poles.

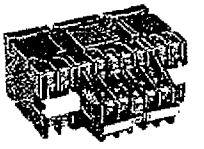
** See Coil Suffix Table and Ordering Directions.



2-pole relay



4-pole relay



Shown is a 12-pole relay consisting of a 4-pole relay, a 4-pole adder and two 2-pole adders

2-, 4-POLE ADDERS

May be added to 4-pole relays to form 6-, 8-, 10- or 12-pole forms. (Any combination must not exceed 5 NC contacts.)

No. of Poles			Convertible Contacts		
Total	NO	NC	Clamp-type Terminals	Quick-connect Terminals	List Price
2	2†	0†	CR120 X1A	CR120 X1B	$ 4.00
	1	1	X2A	X2B	4.00
	0†	2†	X3A	X3B	4.00
4	4	0	CR120 X1C	.....	11.00
	2	2	X3C	.....	11.00
	0	4	X5C	.....	13.00

† For mounting on right-hand side—contact arrangement is reversed when mounted on left side. Example: CR120X1A becomes 2NC when mounted on left. One may be mounted on each side of a 4-pole relay.

WHERE TO USE

The CR120 A, CR120 C and CR122 A multi-circuit, 300-volt industrial relays are especially suited for such panel applications as on machine tools, injection molding machines, switch boards and materials handling equipment. They are available as relays and latched or time-delay relays.

Basic 2- and 4-pole relays and 2- and 4-pole adders, which may be combined with a 4-pole relay for a maximum of twelve poles, are available. Pneumatic time-delay relays are available with two time-delay contacts (time setting of 0.2 to 60 seconds) and as many as four instantaneous contacts. Transistorized time-delay relays have two timing contacts (available in three time ranges to 120 sec.). Latched forms may be selected with two through eight poles.

ORDERING DIRECTIONS

Specify by complete CR nomenclature, including coil suffix number in place of ** from table.

**COIL SUFFIX TABLE—A-C

(where double asterisk appears in nomenclature)

Frequency	Volts			
	24V	115V	120V	230V
	Clamp-type Terminals			
60 Hertz	24	02	22†	03
50 Hertz	26	07	..	08
	Quick-connect Terminals			
60 Hertz	74	52	72†	53
50 Hertz	76	57	..	58

† Dual rating; 120V 60 Hz, 110V 50 Hz.

TIME-DELAY RELAYS PRICING INFORMATION—CR122 A

Instantaneous Auxiliary Contacts		Type of Operation	Time-delay Contacts		Convertible Contacts†		
NO	NC		NO	NC	Clamp-type Terminals	Quick-connect Terminals	List Price
—	—	Time Delay on Energization (TDOE)	2	—	CR122 A040**AA	CR122 A040**AB	$38.00
—	—		1	1	A041**AA	A041**AB	36.00
—	—		—	2	A042**AA	A042**AB	38.00
2	—		2	—	CR122 A043**AA	CR122 A043**AB	42.00
2	—		1	1	A044**AA	A044**AB	40.00
2	—		—	2	A045**AA	A045**AB	42.00
1	1		2	—	CR122 A046**AA	CR122 A046**AB	44.00
1	1		1	1	A047**AA	A047**AB	42.00
1	1		—	2	A048**AA	A048**AB	44.00
4	—		2	—	CR122 A080**AA	CR122 A080**AB	46.00
4	—		1	1	A081**AA	A081**AB	44.00
4	—		—	2	A082**AA	A082**AB	46.00
3	1		2	—	CR122 A083**AA	CR122 A083**AB	48.00
3	1		1	1	A084**AA	A084**AB	46.00
3	1		—	2	A085**AA	A085**AB	48.00
—	—	Time Delay on De-energization (TDOD)	2	—	CR122 A021**AA	CR122 A021**AB	$38.00
—	—		1	1	A022**AA	A022**AB	36.00
—	—		—	2	A023**AA	A023**AB	38.00
2	—		2	—	CR122 A024**AA	CR122 A024**AB	42.00
2	—		1	1	A025**AA	A025**AB	40.00
2	—		—	2	A026**AA	A026**AB	42.00
1	1		2	—	CR122 A027**AA	CR122 A027**AB	44.00
1	1		1	1	A028**AA	A028**AB	42.00
1	1		—	2	A029**AA	A029**AB	44.00
—	2		2	—	CR122 A030**AA	CR122 A030**AB	44.00
—	2		1	1	A031**AA	A031**AB	42.00
—	2		—	2	A032**AA	A032**AB	44.00
4	—		2	—	CR122 A060**AA	CR122 A060**AB	46.00
4	—		1	1	A061**AA	A061**AB	44.00
4	—		—	2	A062**AA	A062**AB	46.00
3	1		2	—	CR122 A063**AA	CR122 A063**AB	48.00
3	1		1	1	A064**AA	A064**AB	46.00
3	1		—	2	A065**AA	A065**AB	48.00
2	2		2	—	CR122 A066**AA	CR122 A066**AB	48.00
2	2		1	1	A067**AA	A067**AB	46.00
2	2		—	2	A068**AA	A068**AB	48.00
1	3		2	—	CR122 A069**AA	CR122 A069**AB	48.00
1	3		1	1	A070**AA	A070**AB	46.00
1	3		—	2	A071**AA	A071**AB	48.00
—	4		2	—	CR122 A072**AA	CR122 A072**AB	48.00
—	4		1	1	A073**AA	A073**AB	46.00
—	4		—	2	A074**AA	A074**AB	48.00

† Not to exceed 1 NC instantaneous contact for time delay on energization, 4 NC instantaneous for time delay after de-energization.

**See Coil Suffix Table.

CONTACT RATINGS: (All forms)

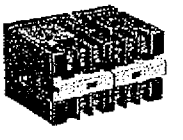
Max safe "make"—50-amp, 10-amp carry

Interrupting Capacity

A-c	Amperes	D-c	1-pole		2-pole in Series		3-pole In Series	
		Volts →	125	250	125	250	125	250
Inductive		Amperes (NO or NC)						
115 volts	50	Inductive	1.0	0.3	2.5	1.0	5.0	2.0
230 volts	30	Non-inductive	2.0	0.5	10.0	3.0	10.0	10.0

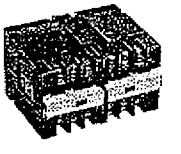
PNEUMATIC TIME-DELAY RELAYS

(Time-delay range—0.2 to 60 seconds) (Repetitive accuracy of ± 15 percent of average time setting.)



Pneumatic time-delay relay with two instantaneous and two time delay contacts TDOE form.

LATCHING RELAYS



Four-pole latching relay

LATCHED RELAYS PRICING INFORMATION—CR120 C

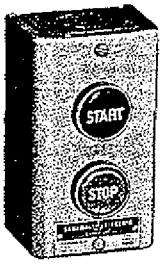
No. of Poles			Convertible Contacts*		
Total	NO	NC	Clamp-type Terminals	Quick-connect Terminals	List Price
2	2	0	CR120 C020**AA	CR120 C020**AB	$26.00
	1	1	C011**AA	C011**AB	28.00
	0	2	C002**AA	C002**AB	28.00
3	3	0	CR120 C030**AA	CR120 C030**AB	28.00
	2	1	C021**AA	C021**AB	30.00
	1	2	C012**AA	C012**AB	30.00
	0	3	C003**AA	C003**AB	30.00
4	4	0	CR120 C040**AA	CR120 C040**AB	30.00
	3	1	C031**AA	C031**AB	32.00
	2	2	C022**AA	C022**AB	32.00
	1	3	C013**AA	C013**AB	32.00
	0	4	C004**AA	C004**AB	32.00
6	6	0	CR120 C060**AA	CR120 C060**AB	34.00
	5	1	C051**AA	C051**AB	36.00
	4	2	C042**AA	C042**AB	36.00
	3	3	C033**AA	C033**AB	36.00
	2	4	C024**AA	C024**AB	36.00
	1	5	C015**AA	C015**AB	36.00

* Combination of components must not exceed 4 NC contacts.

** See Coil Suffix Table.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Grayhar for applicable discounts.

GENERAL ELECTRIC STANDARD-DUTY PUSH BUTTON STATIONS



CR2943 General-purpose surface-mounted station



CR2943 Water and Dust-tight station, NEMA Type 4

WHERE TO USE

For use in control circuits of magnetic devices through NEMA Size 4. Stations are available in general-purpose, flush- or surface-mounted, water and dust-tight, or hazardous location enclosures.

Standard-duty push-button stations are available with 1, 2, or 3 buttons. The buttons are molded black plastic, except for the STOP button which is red. Dependable, double-break silver contacts assure reliable operation. Flush-mounted forms may be selected with gray or stainless steel flush plates.

PRICING INFORMATION—Surface-mounted Forms

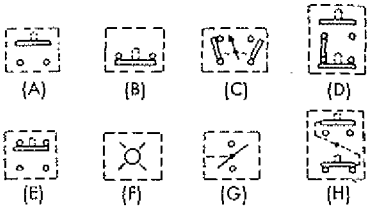
Description Button and/or Nameplate Color (Wiring Symbol)	Nameplate Markings	General-Purpose NEMA Type 1	General-Purpose List Price	Water and Dust-tight NEMA Type 4	Water and Dust-tight List Price
ONE-UNIT STATIONS (Momentary Contact)					
Black (A)	START	CR2943 NA101E	$ 6.00	CR2943 NJ201B	$19.00
Red (B)	STOP	CR2943 NA101F	6.00	.....	.....
Red (B) (Locking Means)	STOP	CR2943 NA101G	9.00	CR2943 NJ201A§	19.00
TWO-UNIT STATIONS (Momentary Contact)					
Black, Red (D)	START–STOP	CR2943 NA102A	$ 6.00	.....	.....
Black, Red (D) (Locking Bar)	START–STOP	CR2943 NA102C	9.00	.....	.....
Black (A), Red (B) (Locking Means)	START–STOP	.....	.....	CR2943 NJ202A§	$19.00
Black (A), Black (A)	RAISE–LOWER	CR2943 NA102B	7.50	CR2943 NJ202F	19.00
Black (A), Black (A)	FORWARD–REVERSE	CR2943 NA102D	7.50	CR2943 NJ202E	19.00
Black (A), Black (A)	UP–DOWN	CR2943 NA102E	7.50	CR2943 NJ202G	19.00
Black (A), Black (A)	OPEN–CLOSE	RR2943 NA102G	7.50	CR2943 NJ202H	19.00
THREE-UNIT STATIONS (Momentary Contact)					
Black (E), Black (E), Red (B)	UP–DOWN–STOP	CR2943 NA103F	$12.00	.....	.....
Black (E), Black (E), Red (B)	RAISE–LOWER–STOP	RR2943 NA103G	12.00	.....	.....
Black (E), Black (E), Red (B)	FAST–SLOW–START	CR2943 NA103H	12.00	.....	.....
Black (E), Black (E), Red (B)	FORWARD–REVERSE–STOP	CR2943 NA103J	12.00	.....	.....
Black (E), Black (E), Red (B)	OPEN–CLOSE–STOP	CR2943 NA103K	12.00	.....	.....
Black (E), Black (E), Red (B)	START–JOG–STOP	CR2943 NA103L	12.00	.....	.....
115/230 Volt Light (F), Black (A), Red (B)	START–STOP	CR2943 NA103V	22.00	.....	.....

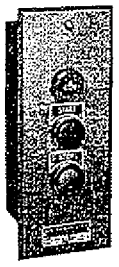
* Add $1.50 per station for any nameplate markings or arrangements not shown above.
§ Includes hole for padlock on STOP.

CONTACT RATINGS

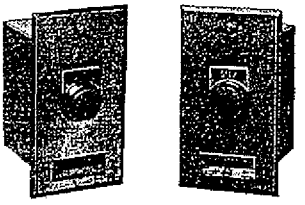
Volts	Carry Continuous Amps	Make Momentary Amps	Interrupting Capacity-Amperes A-C Circuits	Interrupting Capacity-Amperes D-C Inductive Circuits
110-125	10	30	30	1.1
220-250	10	20	20	0.55
440-480	10	7.5	7.5	...
550-600	10	6	6	0.2

WIRING SYMBOLS
(As noted under description in tables.)

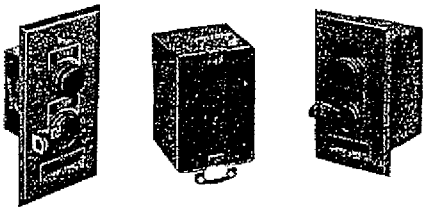




CR2943 General-purpose flush-mounted station



CR2943 Flush-mounted stations with wall boxes attached. Stainless steel is on left, gray on right.



CR2943 Flush-mounted forms shown less wall box on left and with wall box on right. Separate wall box is shown in center.

PRICING INFORMATION—Flush-mounted, General-Purpose, NEMA Type 1 Forms

Description Button Color (Wiring Symbol)	Nameplate Markings	Gray Flush Plate Forms: Form Less Wall Box	List Price	Form With Wall Box	List Price	Stainless-steel Flush Plate Forms: Form Less Wall Box	List Price	Form With Wall Box	List Price
ONE-UNIT STATIONS (Momentary Contact—except Selector Switches)									
Black (A)	START	CR2943 NB301A	$ 7.50	CR2943 NB331A	$11.00	CR2943 NB301G	$ 8.00	CR2943 NB331G	$11.50
Red (B)	STOP	CR2943 NB301B	7.50	CR2943 NB331B	11.00	CR2943 NB301H	8.00	CR2943 NB331H	11.50
Red (B) (Locking Bar)	STOP	CR2943 NB301C	10.50	CR2943 NB331C	14.00	CR2943 NB301J	11.00	CR2943 NB331J	14.50
2-pos. Sel. Sw. (C) SPDT	STOP–START	CR2943 NB301D	7.50	CR2943 NB331D	11.00	CR2943 NB301K	8.00	CR2943 NB331K	11.50
2-pos. Sel. Sw. (C) SPDT	OFF–ON	CR2943 NB301E	7.50	CR2943 NB331E	11.00	CR2943 NB301L	8.00	CR2943 NB331L	11.50
3-pos. Sel. Sw. (C) SPDT	HAND–OFF–AUTO	CR2943 NB301F	7.50	CR2943 NB331F	11.00	CR2943 NB301M	8.00	CR2943 NB331M	11.50
TWO-UNIT STATIONS (Momentary Contact)									
Black (A), Red (B)	START–STOP	CR2943 NB302A	$ 7.50	CR2943 NB332A	$11.00	CR2943 NB302G	$ 8.50	CR2943 NB332G	$12.00
Black (A), Red (B) (Locking Bar)	START–STOP	CH2943 NB302B	10.50	CR2943 NB332B	14.00	CR2943 NB302H	11.50	CR2943 NB332H	15.00
Black (A), Black (A)	RAISE–LOWER	CR2943 NB302D	9.00	CR2943 NB332D	12.50	CR2943 NB302K	10.00	CR2943 NB332K	13.50
Black (A), Black (A)	FORWARD–REVERSE	CR2943 NB302C	9.00	CR2943 NB332C	12.50	CR2943 NB302J	10.00	CR2943 NB332J	13.50
Black (A), Black (A)	UP–DOWN	CR2943 NB302E	9.00	CR2943 NB332E	12.50	CR2943 NB302L	10.00	CR2943 NB332L	13.50
Black (A), Black (A)	OPEN–CLOSE	CR2943 NB302F	9.00	CR2943 NB332F	12.50	CR2943 NB302M	10.00	CR2943 NB332M	13.50
THREE-UNIT STATIONS (Momentary Contact)									
Black (E), Black (E), Red (B)	UP–DOWN–STOP	CR2943 NB303D	$13.50	CR2943 NB333D	$17.00	CR2943 NB303K	$15.00	CR2943 NB333K	$18.50
Black (E), Black (E), Red (B)	RAISE–LOWER–STOP	CR2943 NB303F	13.50	CR2943 NB333F	17.00	CR2943 NB303M	15.00	CR2943 NB333M	18.50
Black (E), Black (E), Red (B)	FAST–SLOW–STOP	CR2943 NB303E	13.50	CR2943 NB333E	17.00	CR2943 NB303L	15.00	CR2943 NB333L	18.50
Black (E), Black (E), Red (B)	FORWARD–REVERSE–STOP	CR2943 NB303B	13.50	CR2943 NB333B	17.00	CR2943 NB303H	15.00	CR2943 NB333H	18.50
Black (E), Black (E), Red (B)	OPEN–CLOSE–STOP	CR2943 NB303C	13.50	CR2943 NB333C	17.00	CR2943 NB303J	15.00	CH2943 NB333J	18.50
115/230 Volt Light (F), Black (A), Red (B)	START–STOP	CR2943 NB303A	22.00	CR2943 NB333A	25.50	CR2943 NB303G	23.50	CR2943 NB333G	27.00

* Add $1.50 per station for any nameplate markings or arrangements not shown above.

ORDERING DIRECTIONS Order push-button station by complete CR nomenclature. Example: CR2943 NJ202A.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

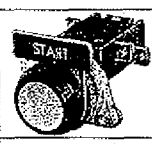
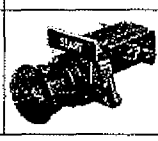
WHERE TO USE

Especially adapted to machine-tool service or any application where oil or coolant is present. The convenient one-hole mounting and small size also makes this line suitable for general-purpose use in equipment of all kinds where panel mounting is possible. This line is ideal for applications where space is at a premium and long life is essential.

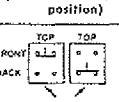
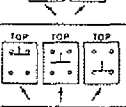
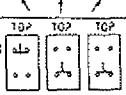
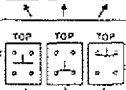
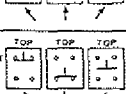
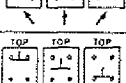
CONTACT RATINGS (600 Volts Max.)

Volts	Carry Continuous Amps	Make Momentary Amps	Interrupting Capacity—Amps	
			A-c Circuits	D-c Inductive Circuits
110–125	10	60	60	2.2
220–250	10	30	30	1.1
440–480	10	15	15	....
550–600	10	12	12	.4

PRICES AND DATA—PUSH-BUTTON UNITS—Momentary Contact

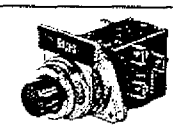
	Operator Alone			Operator with Single Block (1NO-1NC)		
	Color of Button Ring and/or Button (Standard Button Silver Only)	CR2940 Form	List Price	SPOT single pole double throw	CR2940 Form	List Price
	STANDARD BUTTON					
	Black	UA200B	$3.00*		UA202B	$6.00*
	Red	UA200C	3.00*		UA202C	6.00*
	Yellow	UA200D	3.00*		UA202D	6.00*
	Green	UA200E	3.00*		UA202E	6.00*
	White	UA200F	3.00*		UA202F	6.00*
	Blue	UA200AR	3.00*		UA202AR	6.00*
	None	UA200A	2.50			
	⅝-INCH EXTRA LONG BUTTON					
	Black	UJ200B	3.00*		UJ202B	6.00*
	Red	UJ200C	3.00*		UJ202C	6.00*
	MUSHROOM HEAD (1⅜" Diam.)					
	Black	UK200B	6.00*		UK202B	9.00*
	Red	UK200C	6.00*		UK202C	9.00*
	Yellow	UK200D	6.00*		UK202D	9.00*
	Green	UK200M	6.00*		UK202M	9.00*

PRICES AND DATA—SELECTOR-SWITCH UNITS—Maintained Contact

Operator Alone 				Operator with Single Block (1NO-1NC) 		
Color of Selector-switch Ring	Operator Cam No. (Molded on Cam)	CR2940 Form	List Price	Contact Arrangement (Arrow indicates knob position)	CR2940 Form	List Price
Black	9	UB200A	$4.00*	 2-position	UB202A	$7.00*
Red	9	UB200G	4.00*		UB202G	7.00*
Black	9	‡UB200N	4.00*		.....	.....
None	9	UB2008A	3.50			
Black	2	UB200B	4.00*	 3-position	UB202B	7.00*
Red	2	UB200H	4.00*		UB202H	7.00*
Black	2	‡UB200P	4.00*		.....	.....
None	2	UB200BB	3.50			
Black	3	UB200C	4.00*	 3-position	UB202C	7.00*
Red	3	UB200J	4.00*		UB202J	7.00*
Black	4	UB200D	4.00*	 3-position	UB202D	7.00*
Red	4	UB200K	4.00*		UB202K	7.00*
Black	5	UB200E	4.00*	 3-position	UB202E	7.00*
Red	5	UB200L	4.00*		UB202L	7.00*
Black	6	UB200F	4.00*	 3-position	UB202F	7.00*
Red	6	UB200M	4.00*		UB202M	7.00*

‡ For use with vertically mounted contact block.
* Includes standard nameplate marking. Nameplate may be omitted at $0.30 ea.

PRICES AND DATA COMPLETE ILLUMINATED PUSH-BUTTON UNITS

Transformer type with No. 12 lamp 

1 NO-1 NC Contact Forms—Front Mounted

Operating Voltage	Color of Color Cap	Less Guard		With Guard	
		Nomenclature CR2940	List Price	Nomenclature CR2940	List Price
110–120V 60/50 Hz	Red	UW221B2	$14.00*	UW221H2	$15.00*
	Green	UW221C2		UW221J2	
	Amber	UW221D2		UW221K2	
	Blue	UW221E2		UW221L2	
	White	UW221F2		UW221M2	
	Clear	UW221G2		UW221N2	
220–240V 60/50 Hz	Red	UW221B3	14.00*	UW221H3	15.00*
	Green	UW221C3		UW221J3	
	Amber	UW221D3		UW221K3	
	Blue	UW221E3		UW221L3	
	White	UW221F3		UW221M3	
	Clear	UW221G3		UW221N3	
440–480V 60/50 Hz	Red	UW221B4	14.00*	UW221H4	15.00*
	Green	UW221C4		UW221J4	
	Amber	UW221D4		UW221K4	
	Blue	UW221E4		UW221L4	
	White	UW221F4		UW221M4	
	Clear	UW221G4		UW221N4	
550–600V 60 Hz	Red	UW221B5	14.00*	UW221H5	15.00*
	Green	UW221C5		UW221J5	
	Amber	UW221D5		UW221K5	
	Blue	UW221E5		UW221L5	
	White	UW221F5		UW221M5	
	Clear	UW221G5		UW221N5	
Ac/Dc 6V	Red	UW229B9	12.00*	UW229H9	13.00*
	Green	UW229C9		UW229J9	
	Amber	UW229D9		UW229K9	
	Blue	UW229E9		UW229L9	
	White	UW220F9		UW229M9	
	Clear	UW229G9		UW229N9	

* Includes standard nameplate marking. Nameplate may be omitted at $0.30 ea.

INDICATING-LIGHT UNITS

	Operating Voltage	Color of Color Cap	Nomenclature: For Front Mounting CR2940 Form	Nomenclature: For Back Mounting CR2940 Form	List Price
 Indicating-light Unit Less Color Cap	6 Volts	Less Cap	UC223A9	.....	$8.30*
	12 Volts	Less Cap	UC212A10	UC213A10	8.30*
	18 Volts	Less Cap	UC212A11	UC213A11	8.30*
	24 Volts	Less Cap	UC212A12	UC213A12	8.30*
	32 Volts	Less Cap	UC212A13	UC213A13	8.30*
	(Bayonet)	Less Cap and Bulb	UC223A1	.....	8.15*
	(Candelabra)	Less Cap and Bulb	UC212A1	UC213A1	8.15*
 Full-voltage type with 656 Incan. lamp	110–125 Volts AC/DC	Less Cap	UC212A2	UC213A2	8.30*
		Red	UC212B2	UC213B2	$9.00*
		Green	UC212C2	UC213C2	
		Amber	UC212D2	UC213D2	
		Blue	UC212E2	UC213E2	
		White	UC212F2	UC213F2	
		Clear	UC212G2	UC213G2	
Full-voltage type with NE45 Neon Lamp	110–125 Volts AC/DC	Red	UC214B2	UC215B2	9.00*
		Amber	UC214D2	UC215D2	
		Clear	UC214G2	UC215G2	
 Transformer type with No. 55, 6V Incan. lamp	110–120 Volts 60/50 Hertz	Less Cap	UE212A2	UE213A2	10.30*
		Red	UE212B2	UE213B2	11.00*
		Green	UE212C2	UE213C2	
		Amber	UE212D2	UE213D2	
		Blue	UE212E2	UE213E2	
		White	UE212F2	UE213F2	
		Clear	UE212G2	UE213G2	
	220–240 Volts 60/50 Hertz	Less Cap	UE212A3	UE213A3	10.30*
		Red	UE212B3	UE213B3	11.00*
		Green	UE212C3	UE213C3	
		Amber	UE212D3	UE213D3	
		Blue	UE212E3	UE213E3	
		White	UE212F3	UE213F3	
		Clear	UE212G3	UE213G3	
	440–480 Volts 60/50 Hertz	Less Cap	UE212A4	UE213A4	10.30*
		Red	UE212B4	UE213B4	11.00*
		Green	UE212C4	UE213C4	
		Amber	UE212D4	UE213D4	
		Blue	UE212E4	UE213E4	
		White	UE212F4	UE213F4	
		Clear	UE212G4	UE213G4	

* Includes standard nameplate marking. Nameplate may be omitted at $0.30 ea.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Grayhar for applicable discounts.

GENERAL ELECTRIC HEAVY-DUTY, OIL-TIGHT PUSH BUTTONS

PRICES AND DATA— ACCESSORIES AND COMPONENTS

	Description	Nomenclature	List Price
	Plug for unused Hole A neat and attractive plug for closing off unneeded holes in enclosures or panels. Finished in machine-tool grey. Completely oiltight.	CR2940 UH200	$1.00
	Standard 15/32" Deep Color Rings For converting buttons of any one color to any other color. Used on all forms except combination unit, spring-return selector switch, illuminated, push-to-test and indicating lights.	CR2940 U200B (Black) U200C (Red) U200D (Yellow) U200E (Green) U200F (White) U200AR (Blue) U200BY (Orange) U200CF (Silver)	0.20

CONTACT BLOCKS (Use with any operator)

FOR FRONT MOUNTING

	Contacts NO	Contacts NC	Nomenclature	List Price
	Single Block			
	1	1	CR2940 U202 (Replacement for U201)	$3.00
	Double Block			
	2	2	CR2940 U203	$6.00
	With Mounting Plate			
	1	...	CR2940 U310A	$1.50
	...	1	CR2940 U301A	1.50

OILTIGHT ENCLOSURES AND SPECIAL OILTIGHT ASSEMBLED UNWIRED STATIONS

NEMA Type 13

Cast Aluminum Type



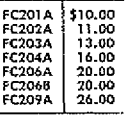
Typical cast-aluminum surface-mounted enclosure

No. of holes for Units	Nomenclature—Surface-mounted Enclosure Only (No units installed)	Special Assemb. Unwired Station‡	List Price*
1	CR2940 BC201A	CR2940 FC201A	$10.00
2	CR2940 BC202A	CR2940 FC202A	11.00
3	CR2940 BC203A	CR2940 FC203A	13.00
4	CR2940 BC204A	CR2940 FC204A	16.00
6	CR2940 BC206A	CR2940 FC206A	20.00
6†	CR2940 BC206B	CR2940 FC206B	20.00
9	CR2940 BC209A	CR2940 FC209A	26.00

† "6 in line" enclosure or fish plate.
* Price does not include push-button units, selector switches, nameplates, etc.

‡ Units as specified are installed by factory.

Sheet Steel Enclosures



Typical sheet steel enclosure

No. of holes for Units	Sheet Steel—Surface mounted Enclosure Only (No units installed)	List Price*
1	CR2940 BC301A	$ 7.00
2	CR2940 BC302A	8.00
3	CR2940 BC303A	9.00
4§	CR2940 BC304A	11.00
4	CR2940 BC304B	11.00
6	CR2940 BC306A	13.00
9	CR2940 BC309A	16.00

§ "4 in line" enclosure.
* Prices does not include push-button units, selector switches, nameplates, etc.

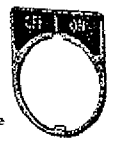
PRICING INFORMATION

The price of most complete push-button units, selector switches, indicating lights, potentiometers and operators include a nameplate with standard markings listed below. Desired marking and nameplate number must be specified on order. Nameplates may be omitted at $0.30 each when units or operators are purchased.

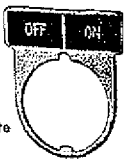
PRICE ADDITION FOR NONSTANDARD MARKINGS (Add to Price of Unit or Operator. Deduct standard nameplate, if included, at $0.30 each.)
$1.30 each any quantity

NAMEPLATES FURNISHED SEPARATELY
Standard Markings or Blank
$0.30 each any quantity

Nonstandard Markings
$1.30 each any quantity



Standard-size nameplate



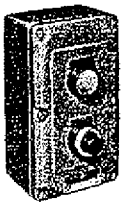
Extra-large nameplate

NAMEPLATES WITH STANDARD MARKINGS

Nameplate Marking	Color of Field(s)	Standard Size Nameplate No.	Extra-large Nameplate No.
For Push-button Unit or Indicating Light—One Field			
Clamp	Black	.....	NP-130084A
Close	Black	NP-118428B	NP-130081A
Down	Black	NP-118142A	NP-119365A
Emergency Stop	Red	NP-118142C	NP-130078A
Fast	Black	NP-118025A	NP-130081B
Forward	Black	NP-118070A	NP-1193618
High	Black	NP-118144B	NP-161658B
Jog	Black	NP-118070C	NP-130088B
Jog Forward	Black	NP-118146C	NP-130089A
Jog Reverse	Black	NP-118146D	NP-130089B
Low	Black	NP-118147A	NP-161659A
Off	Black	NP-118148B	NP-130092A
On	Black	NP-118148A	NP-130091B
Open	Black	NP-118148C	NP-130080B
Raise	Black	NP-118149C	NP-130079B
Reset	Black	NP-118070D	NP-130082B
Reverse	Black	NP-118070B	NP-130079A
Run	Black	NP-118150C	NP-130088A
Slow	Black	NP-118025B	NP-130082A
Start	Black	NP-118025C	NP-119361A
Stop	Red	NP-118025D	NP-119370A
Up	Black	NP-118153B	NP-119364B
Emergency Stop, Pull to Reset	Red	.....	NP-118583G

Nameplate Marking	Color of Field(s)	Standard Size Nameplate No.	Extra-large Nameplate No.
For Selector Switches or Combination Units—Two Fields			
Forward-Reverse	Black	NP-118405A	NP-1616618
Hand-Auto.	Black	NP-118403D	NP-130097A
High-Low	Black	NP-118404D	NP-161662A
Jog-Run	Black	NP-118403C	NP-130097B
Off-On	Black	NP-118405D	NP-1193678
Open-Close	Black	NP-118404C	NP-130096A
Raise-Lower	Black	NP-118405D	NP-161662B
Stop-Start	Red-Black	NP-118406A	NP-130093A
Slow-Fast	Black	NP-118405C	NP-130094A
Up-Down	Black	NP-1616578	NP-161661A
For Selector Switch Unit—Three Fields			
Hand-Off-Auto.	Black	NP-118404A	NP-130099A
Forward-Off-Reverse	Black	NP-118132B	NP-1616638
Low-Off-High	Black	.....	NP-130100A
Slow-Off-Fast	Black	.....	NP-130099B
Man-Off-Auto.	Black	.....	NP-130099D
Blank Nameplates			
No. of Fields			
1	Red	NP-118420A	NP-118583A
1	Black	NP-118428A	NP-1185828
2	Black	NP-118132D	NP-130663A
3	Black	NP-118132C	NP-1306638

PRICES AND DATA—Complete Oiltight Stations—Standard Forms Only



Complete two-unit station in cast-aluminum enclosure

Number of Units in Station	Nameplate Markings	Color of Button Rings	Features (Units have 1 NO—1 NC each)	Nomenclature	List Price
1	START	Black		CR2940 NC201A	$16.00
	STOP	Red		CR2940 NC201B	16.00
	STOP	Red	Locking Means	CR2940 NC201C	19.00
	HAND-OFF-AUTO.	Black	SPDT, 3 Pos. Sel. Sw.	CR2940 NC201D	17.00
	SAFE STOP-RUN	Black	DPDT, 2 Pos. Sel. Sw.	CR2940 NC201E	17.00
2	START-STOP	Black-Red	Locking means on STOP button	CR2940 NC202A	$23.00
	START-STOP	Black-Red		CR2940 NC202B	26.00
	FORWARD-REVERSE	Black-Black		CR2940 NC202C	23.00
	RAISE-LOWER	Black-Black		CR2940 NC202D	23.00
	OPEN-CLOSE	Black-Black		CR2940 NC202E	23.00
	RUN JOG-STOP	Black-Red	Combination "Push-Jog" Unit in Position 1	CR2940 NC202F	29.00
3	FORWARD-REVERSE-STOP	Black, Black, Red	With 110 volt, Red Light, Full Voltage	CR2940 NC203A	$31.00
	RAISE-LOWER-STOP	Black, Black, Red		CR2940 NC203B	31.00
	OPEN-CLOSE-STOP	Black, Black, Red		CR2940 NC203C	31.00
	START-STOP	Black, Red		CR2940 NC203E	34.00

COMPONENTS LISTING FOR HEAVY DUTY, OIL-TIGHT PUSHBUTTONS AND SELECTOR SWITCHES

Complete listing is available as GE publication GEZ 3710—Contact your Graybar Representative.

TYPICAL TABLES FROM GEZ 3710

Push-Button Units

	Single Block (1 NO—1 NC) Complete Unit	Consists of: Operator CR2940	Block CR2940	Color Ring CR2940
Standard Button	CR2940 UA202B	UA200A	U202	U200B
	CR2940 UA202C	UA200A	U202	U200C
	CR2940 UA202D	UA200A	U202	U200D
	CR2940 UA202E	UA200A	U202	U200E
	CR2940 UA202F	UA200A	U202	U200F
	CR2940 UA202AR	UA200A	U202	U200AR
5/8 Inch Extra-Long Button	CR2940 UJ202B	UJ200B*	U202	
	CR2940 UJ202C	UJ200C*	U202	
1 9/16 Inch Diameter Mushroom Head	CR2940 UK202B	UK200B*	U202	
	CR2940 UK202C	UK200C*	U202	
	CR2940 UK202D	UK200D*	U202	
	CR2940 UK202M	UK200M*	U202	

Selector Switch Units—Maintained Contact

Operator Cam No.	Single Block (1 NO—1 NC) Complete Unit	Consists of: Operator CR2940	Block CR2940	Color Ring CR2940
9	CR2940 UB202A	UB200BA	U202	U200B
	CR2940 UB202G	UB200BA	U202	U200C
2	CR2940 UB202B	UB200BB	U202	U200B
	CR2940 UB202H	UB200BB	U202	U200C
3	CR2940 UB202C	UB200C*	U202	
	CR2940 UB202J	UB200J*	U202	
4	CR2940 UB202D	UB200D*	U202	
	CR2940 UB202K	UB200K*	U202	
5	CR2940 UB202E	UB200E*	U202	
	CR2940 UB202L	UB200L*	U202	

* Operator includes color ring. If different color is desired, order separate color ring as follows: CR2940U200B black, U200C red, U200D yellow, U200E green, U200F white, or U200AR blue.

GENERAL ELECTRIC CR104 MINIATURE OIL-TIGHT PUSH BUTTONS

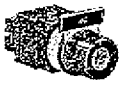
WHERE TO USE

Especially suitable for use on machine tool control panels where space is limited. Offer same operating and functional units as available in heavy-duty oil-tight line for meeting exact panel requirements. Special operators are available for meeting specific applications.

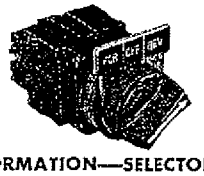
CONTACT RATINGS

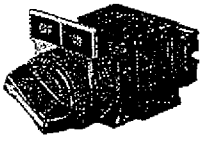
Volts	Carry Continuous Amps	Make Momentary Amps	Interrupting Capacity—Amps	
			A-c Circuits	D-c Inductive Circuits
115–125	5	30	30	1.1

PRICING INFORMATION—PUSH-BUTTON UNITS—Momentary Contact

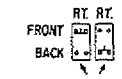
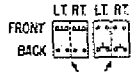
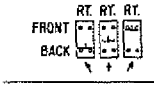
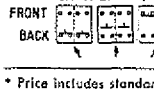
	Contact Arrangement	Color	Button Less Ring	List Price	Colored Button and Colored Ring	Colored Button and Bright Metallic Ring	Bright Metallic Button and Colored Ring	List Price
STANDARD BUTTON								
	Single-pole, Double-throw	Black	CR104 A1102	$5.50	CR104 A2102	CR104 A8102	CR104 A21	$6.00*
		Red	CR104 A1103	5.50	CR104 A3103	CR104 A8103	CR104 A31	6.00*
		Yellow	CR104 A1104	5.50	CR104 A4104	CR104 A8104	CR104 A41	6.00*
		Green	CR104 A1105	5.50	CR104 A5105	CR104 A8105	CR104 A51	6.00*
		White	CR104 A1106	5.50	CR104 A6106	CR104 A8106	CR104 A61	6.00*
		Blue	CR104 A1107	5.50	CR104 A7107	CR104 A8107	CR104 A71	6.00*
		Bright Metal	CR104 A11	5.50	.....	.....	.....	.....
	Double-pole, Double-throw	Black	CR104 A1202	8.50	CR104 A2202	CR104 A8202	CR104 A22	9.00*
		Red	CR104 A1203	8.50	CR104 A3203	CR104 A8203	CR104 A32	9.00*
		Yellow	CR104 A1204	8.50	CR104 A4204	CR104 A8204	CR104 A42	9.00*
		Green	CR104 A1205	8.50	CR104 A5205	CR104 A8205	CR104 A52	9.00*
		White	CR104 A1206	8.50	CR104 A6206	CR104 A8206	CR104 A62	9.00*
		Blue	CR104 A1207	8.50	CR104 A7207	CR104 A8207	CR104 A72	9.00*
		Bright Metal	CR104 A12	8.50	.....	.....	.....	.....
GUARDED BUTTON								
	Single-pole, Double-throw	Black	(See listing above)		CR104 A2112	CR104 A8112	CR104 A211	$6.00*
		Red			CR104 A3113	CR104 A8113	CR104 A311	6.00*
		Yellow			CR104 A4114	CR104 A8114	CR104 A411	6.00*
		Green			CR104 A5115	CR104 A8115	CR104 A511	6.00*
		White			CR104 A6116	CR104 A8116	CR104 A611	6.00*
		Blue			CR104 A7117	CR104 A8117	CR104 A711	6.00*
	Double-pole, Double-throw	Black	(See listing above)		CR104 A2212	CR104 A8212	CR104 A221	9.00*
		Red			CR104 A3213	CR104 A8213	CR104 A321	9.00*
		Yellow			CR104 A4214	CR104 A8214	CR104 A421	9.00*
		Green			CR104 A5215	CR104 A8215	CR104 A521	9.00*
		White			CR104 A6216	CR104 A8216	CR104 A621	9.00*
		Blue			CR104 A7217	CR104 A8217	CR104 A721	9.00*
MUSHROOM HEAD BUTTON								
	Single-pole, Double-throw	Black	.....	.....	CR104 A2122	CR104 A8122	.....	$9.00*
		Red	.....	.....	CR104 A3123	CR104 A8123	.....	9.00*
		Yellow	.....	.....	CR104 A4124	CR104 A8124	.....	9.00*
		Green	.....	.....	CR104 A5125	CR104 A8125	.....	9.00*
		White	.....	.....	CR104 A6126	CR104 A8126	.....	9.00*
		Blue	.....	.....	CR104 A7127	CR104 A8127	.....	9.00*
		Less Button and Ring	CR104 A112	7.30	.....	.....	.....	.....
	Double-pole, Double-throw	Black	.....	.....	CR104 A2222	CR104 A8222	.....	12.00*
		Red	.....	.....	CR104 A3223	CR104 A8223	.....	12.00*
		Yellow	.....	.....	CR104 A4224	CR104 A8224	.....	12.00*
		Green	.....	.....	CR104 A5225	CR104 A8225	.....	12.00*
		White	.....	.....	CR104 A6226	CR104 A8226	.....	12.00*
		Blue	.....	.....	CR104 A7227	CR104 A8227	.....	12.00*
		Less Button and Ring	CR104 A122	10.30	.....	.....	.....	.....
Push to Stop, Pull to Reset	Single-pole, Double-throw	Red	.....	.....	.....	CR104 A015	.....	$12.00*
	Double-pole, Double-throw	Red	.....	.....	.....	CR104 A021	.....	15.00*

* Price includes standard nameplate marking. Nameplate may be omitted at $0.30 ea.





PRICING INFORMATION—SELECTOR-SWITCH UNITS—Maintained Contact

Contact Arrangement	Operation, Cam No.	Less Knob and Ring	List Price	Color	Colored Knob and Colored Ring	Colored Knob and Bright Metallic Ring	List Price
	Cam No. 1 2-position (1 NO-1 NC contact)	CR104 B101	$6.00	Black	CR104 B12102	CR104 B121	$7.00*
				Red	CR104 B13103	CR104 B131	7.00*
				Yellow	CR104 B14104	CR104 B141	7.00*
				Green	CR104 B15105	CR104 B151	7.00*
				White	CR104 B16106	CR104 B161	7.00*
				Blue	CR104 B17107	CR104 B171	7.00*
	Cam No. 1 2-position (2 NO-1 NC contacts)	CR104 B102	9.00	Black	CR104 B12202	CR104 B122	10.00*
				Red	CR104 B13203	CR104 B132	10.00*
				Yellow	CR104 B14204	CR104 B142	10.00*
				Green	CR104 B15205	CR104 B152	10.00*
				White	CR104 B16206	CR104 B162	10.00*
				Blue	CR104 B17207	CR104 B172	10.00*
	Cam No. 2 3-position (1 NO-1 NC contact)	CR104 B201	6.00	Black	CR104 B22102	CR104 B221	7.00*
				Red	CR104 B23103	CR104 B231	7.00*
				Yellow	CR104 B24104	CR104 B241	7.00*
				Green	CR104 B25105	CR104 B251	7.00*
				White	CR104 B26106	CR104 B261	7.00*
				Blue	CR104 B27107	CR104 B271	7.00*
	Cam No. 2 3-position (2 NO-2 NC contacts)	CR104 B202	9.00	Black	CR104 B22202	CR104 B222	10.00*
				Red	CR104 B23203	CR104 B232	10.00*
				Yellow	CR104 B24204	CR104 B242	10.00*
				Green	CR104 B25205	CR104 B252	10.00*
				White	CR104 B26206	CR104 B262	10.00*
				Blue	CR104 B27207	CR104 B272	10.00*

* Price includes standard nameplate marking. Nameplate may be omitted at $0.30 ea.

PRICES AND DATA — ACCESSORIES AND COMPONENTS

KNOB AND/OR RING

Color	Push-button Rings		Selector Switch Metallic Ring and Colored Knob	
	Nomenclature Standard	List Price	Nomenclature	List Price
Black	CR104 G22	$0.20	CR104 G68	$0.70
Red	CR104 G23	.20	CR104 G77	.70
Yellow	CR104 G24	.20	.....	...
Green	CR104 G25	.20	CR104 G76	.70
White	CR104 G26	.20	.....	...
Blue	CR104 G27	.20	CR104 G75	.70
Bright Metal	CR104 G28	.20	.....	...
Orange	CR104 G29	.20	.....	...

NAMEPLATES WITH STANDARD MARKINGS

Nameplate Marking	Color of Field(s)	Standard Size Cat. No.	Extra-large Cat. No.
ONE FIELD—For Push-button Unit or Indicating Light			
CLOSE	Black	CR104 G506	CR104 G611
DOWN	Black	CR104 G507	CR104 G613
EMERGENCY STOP	Red	CR104 G537	CR104 G657
FAST	Black	CR104 G509	CR104 G614
FORWARD	Black	CR104 G511	CR104 G615
HIGH	Black	CR104 G512	CR104 G616
JOG	Black	CR104 G515	CR104 G623
JOG FORWARD	Black	CR104 G516	CR104 G624
JOG REVERSE	Black	CR104 G517	CR104 G625
LOW	Black	CR104 G518	CR104 G627
OFF	Black	CR104 G521	CR104 G629
ON	Black	CR104 G522	CR104 G631
OPEN	Black	CR104 G523	CR104 G632
RAISE	Black	CR104 G525	CR104 G634
RESET	Black	CR104 G526	CR104 G636
REVERSE	Black	CR104 G527	CR104 G637
RUN	Black	CR104 G528	CR104 G639
SLOW	Black	CR104 G529	CR104 G642
START	Black	CR104 G531	CR104 G643
STOP	Red	CR104 G536	CR104 G658
UP	Black	CR104 G508	CR104 G652
TWO FIELDS—For Selector-switch Unit			
FORWARD-REVERSE	Black	CR104 G542	CR104 G665
HAND-AUTO	Black	CR104 G543	CR104 G666
HIGH-LOW	Black	CR104 G544	CR104 G667
JOG-RUN	Black	CR104 G545	CR104 G668
LOW-HIGH	Black	.....	CR104 G669
OFF-ON	Black	CR104 G546	CR104 G672
OPEN-CLOSE	Black	CR104 G547	CR104 G673
RAISE-LOWER	Black	CR104 G548	CR104 G674
SLOW-FAST	Black	CR104 G552	CR104 G678
STOP-START	Red-Black	CR104 G558	CR104 G685
UP-DOWN	Black	CR104 G553	CR104 G679
THREE FIELDS—For Selector-switch Unit			
FORWARD-OFF-REVERSE	Black	CR104 G563	CR104 G695
HAND-OFF-AUTO	Black	CR104 G564	CR104 G694
LOW-OFF-HIGH	Black	.....	CR104 G697
SLOW-OFF-FAST	Black	.....	CR104 G699
BLANK NAMEPLATES			
1 Field	Black	CR104 G501	CR104 G601
1 Field	Red	CR104 G502	CR104 G602
2 Fields	Black	CR104 G503	CR104 G603
2 Fields	Red-Black	CR104 G504	CR104 G604
½ Split, Single	Black	.....	CR104 G605
3 Fields	Black	CR104 G505	CR104 G606

NAMEPLATE PRICING (any quantity)

Standard Marking .....$0.30 each
Nonstandard Marking .....$1.30 each

ENGRAVING LIMITATIONS

Standard Size Nameplate. 11 characters (includes spaces) 7/64 inches high on one line.
Extra Large Nameplate. 14 characters (includes spaces) 7/64 in. high on each of two lines.

Prices shown are Manufacturer's List Prices subject to Manufacturer's discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC CR104 MINIATURE OIL-TIGHT PUSH BUTTONS

COMPONENTS LISTING FOR MINIATURE, OIL-TIGHT PUSH-BUTTONS AND SELECTOR SWITCHES
Complete listing is available as GE publication GEZ 3710—Contact your Graybar Representative.

TYPICAL TABLES FROM GEZ 3710

Push-Button Units

	Single-pole, Double-throw (Abbr: SPDT)			
	Complete Unit	Consists of:		
		Push-button Less Ring	Ring	Color
COLORED BUTTON AND COLORED RING	CR104 A2102	CR104 A1102	CR104 G22	Black
	A3103	A1103	G23	Red
	A4104	A1104	G24	Yellow
	A5105	A1105	G25	Green
	A6106	A1106	G26	White
	A7107	A1107	G27	Blue
COLORED BUTTON AND BRIGHT METALLIC RING	CR104 A8102	CR104 A1102	CR104 G28	Black
	A8103	A1103	G28	Red
	A8104	A1104	G28	Yellow
	A8105	A1105	G28	Green
	A8106	A1106	G28	White
	A8107	A1107	G28	Blue
BRIGHT METALLIC BUTTON AND COLORED RING	CR104 A21	CR104 A11	CR104 G22	Black
	A31	A11	G23	Red
	A41	A11	G24	Yellow
	A51	A11	G25	Green
	A61	A11	G26	White
	A71	A11	G27	Blue

Selector Switch Units—Maintained Contact

	Operation Cam No.	Complete Unit	Consists of:		
			Operator Less Knob and Ring	Knob and Ring	Color
COLORED KNOB AND COLORED RING	Cam No. 1 2-position (1NO–1NC contact)	CR104 B12102	CR104 B101	CR104 G62	Black
		B13103	B101	G63	Red
		B14104	B101	G64	Yellow
		B15105	B101	G65	Green
		B16106	B101	G66	White
		B17107	B101	G67	Blue
	Cam No. 2 3-position (1NO–1NC contact)	CR104 B22102	CR104 B201	CR104 G62	Black
		B23103	B201	G63	Red
		B24104	B201	G64	Yellow
		B25105	B201	G65	Green
		B26106	B201	G66	White
		B27107	B201	G67	Blue
	Cam No. 3 3-position (1NO–1NC contact)	CR104 B32102	CR104 B301	CR104 G62	Black
		B33103	B301	G63	Red
		B34104	B301	G64	Yellow
		B35105	B301	G65	Green
		B36106	B301	G66	White
		B37107	B301	G67	Blue

OPERATORS — Less Contact Blocks



Push-Button Operators — Less Rings

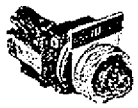
Description	Nomenclature	List Price
Black Button	CR104 A1002	$2.80*
Red Button	CR104 A1003	2.80*
Yellow Button	CR104 A1004	2.80*
Green Button	CR104 A1005	2.80*
White Button	CR104 A1006	2.80*
Blue Button	CR104 A1007	2.80*
Bright Metallic Button	CR104 A1	2.80*

Selector-Switch Operators — Less Rings



Maintained Contact		
2-Pos. Cam No. 1	CR704 B1	$3.30*
3-Pos. Cam No. 2	CR104 B2	3.30*
3-Pos. Cam No. 3	CR104 B3	3.30*
3-Pos. Cam No. 4	CR104 B4	3.30*
3-Pos. Cam No. 5	CR104 B5	3.30*
4-Pos. Cam No. 6	CR104 B6	3.30*
5-Pos. Cam No. 7	CR104 B7	3.30*

INDICATING LIGHTS FOR ILLUMINATED FORM





Description		Operating Voltage	Color of Lens	Nomenclature	List Price
	Full Voltage	6-V AC/DC	Less Lens	CR104 C114	$8.30*
		28-V AC/DC	Less Lens	CR104 C116	8.30*
	Resistor Type with G-E No. 327 28-V incandescent lamp	48-V AC/DC	Less Lens	CR104 C125	8.30*
		110–125-V AC/DC	Less Lens	CR104 C122	8.30*
			White	CR104 C222	9.00*
			Red	CR104 C322	9.00*
			Amber	CR104 C422	9.00*
			Green	CR104 C522	9.00*
			Clear	CR104 C622	9.00*
			Blue	CR104 C722	9.00*
	Transformer Type with G-E No. 12 6-V incandescent lamp	110–120-V 60/50 Hertz†	Less Lens	CR104 C132	10.30*
			White	CR104 C232	11.00*
			Red	CR104 C332	11.00*
			Amber	CR104 C432	11.00*
			Green	CR104 C532	11.00*
			Clear	CR104 C632	11.00*
			Blue	CR104 C732	11.00*

CONTACT BLOCKS



Nomenclature 1 NO-1 NC	List Price	Nomenclature 2 NO-2 NC	List Price
Use With Push-Button Operators			
CR104 G1	$3.00	CR104 G2	$6.00
Use With Selector-Switch Operators			
CR104 G11	3.00	CR104 G12	6.00

Prices subject to change without notice.

COLOR CAPS—LENSES FOR ILLUMINATED FORMS

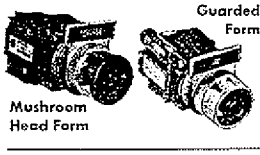






	Description	Color	Nomenclature	List Price
	For Indicating Lights	White	CR104 G92	$0.70
		Red	CR104 G93	.70
		Amber	CR104 G94	.70
		Green	CR104 G95	.70
		Clear	CR104 G96	.70
		Blue	CR104 G97	.70
	For Illuminated Push-button Units§	White	CR104 G52	0.70
		Red	CR104 G53	.70
		Amber	CR104 G54	.70
		Green	CR104 G55	.70
		Clear	CR104 G56	.70
		Blue	CR104 G57	.70
	For Illuminated Mushroom Head Units§	White	CR104 G112	3.70
		Red	CR104 G113	3.70
		Amber	CR104 G114	3.70
		Green	CR104 G115	3.70
		Clear	CR104 G116	3.70
		Blue	CR104 G117	3.70

ILLUMINATED PUSH BUTTONS



Guarded Form

Mushroom Head Form

Description		Operating Voltage	Color of Lens	ILLUMINATED PUSH BUTTONS (1 NO—1 NC) Guarded Nomenclature	Guarded List Price	Mushroom Head Nomenclature	Mushroom Head List Price
Resistor Type with G-E No. 327 28-V incandescent lamp		110–125-V AC/DC	White	CR104 E2224	$12.00*	CR104 E2227	$15.00*
			Red	CR104 E3224	12.00*	CR104 E3227	15.00*
			Amber	CR104 E4224	12.00*	CR104 E4227	15.00*
			Green	CR104 E5224	12.00*	CR104 E5227	15.00*
			Clear	CR104 E6224	12.00*	CR104 E6227	15.00*
			Blue	CR104 E7224	12.00*	CR104 E7227	15.00*
Transformer Type with G-E No. 328 6-V incandescent lamp		110–120-V 60/50 Hertz‡	White	CR104 E2324	14.00*	CR104 E2327	17.00*
			Red	CR104 E3324	14.00*	CR104 E3327	17.00*
			Amber	CR104 E4324	14.00*	CR104 E4327	17.00*
			Green	CR104 E5324	14.00*	CR104 E5327	17.00*
			Clear	CR104 E6324	14.00*	CR104 E6327	17.00*
			Blue	CR104 E7324	14.00*	CR104 E7327	17.00*

* Price includes standard nameplate marking. Nameplate may be omitted at $0.30 each.
‡ Transformer form for 220v, 60 cycle also available. Refer your Graybar Representative.

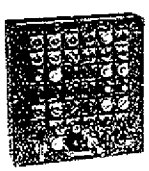
ACCESSORIES

Quick-connect terminals, for .110X .032 termination. The CR104 Miniature Oil-tight line requires these types of terminals. Order as separate item by number of packages. Each catalog number below includes 1 pkg. of 100 terminals.

Cat. No. 55-151618P1.....$2.70, List Price
Cat. No. 55-151618P2.....$2.70, List Price
Cat. No. 55-151618P3.....$11.40, List Price
Cat. No. 55-151618P4.....$11.40, List Price
Crimping Tool
Order No. CR104 G58..$11.00 ea., List Price

Oiltight Enclosures and Special Oiltight Assembled Unwired Stations NEMA Type 13

PRICING INFORMATION AND DIMENSIONS — Cast Aluminum Type

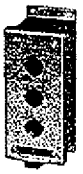


CR104H Cast Aluminum, surface-mounted, unwired station

No. of Units	SURFACE-MOUNTED Enclosure Only (No Units Installed) Nomenclature	SURFACE-MOUNTED Special Oiltight‡ Assembled Unwired Station Nomenclature	SURFACE-MOUNTED List Price †	FLUSH-MOUNTED Flush Plate Only (No Units Installed) Nomenclature	FLUSH-MOUNTED Special Oiltight‡ Assembled Unwired Station Nomenclature	FLUSH-MOUNTED List Price †
4	CR104 H51	CR104 H151	$13.00	CR104 H251	CR104 H351	$ 9.00
6	CR104 H52	CR104 H152	16.00	CR104 H252	CR104 H352	11.00
10	CR104 H53	CR104 H153	26.00	CR104 H253	CR104 H353	16.00
12	CR104 H54	CR104 H154	27.00	CR104 H254	CR104 H354	21.00
16	CR104 H55	CR104 H155	34.00	CR104 H255	CR104 H355	28.00

† Price does not include push-button units, selector switches, nameplates, etc.
‡ Units as specified are installed by factory.

PRICING INFORMATION AND DIMENSIONS — Sheet and Stainless-steel Type



CR104 H33 stainless-steel

Number of Units	Surface-mounted—Enclosure Only (No units installed) SHEET-STEEL TYPE Nomenclature	SHEET-STEEL TYPE List Price†	STAINLESS-STEEL TYPE Nomenclature	STAINLESS-STEEL TYPE List Price†
1	CR104 H1	$ 7.00	CR104 H31	$17.00
2	CR104 H2	7.50	CR104 H32	20.00
3	CR104 H3	8.00	CR104 H33	22.00
4*	CR104 H4	9.00	CR104 H34	26.00
4	CR104 H5	9.00	CR104 H35	26.00
6	CR104 H6	12.00	CR104 H36	33.00
9	CR104 H7	14.00	CR104 H37	52.00
12	CR104 H8	18.00	CR104 H38	56.00
16	CR104 H9	22.00	CR104 H39	72.00

* Four units in-line.
† Price does not include push-button units, selector switches, nameplates, etc.

Terms subject to 25-month-account discounts only. Contact Graybar for applicable discounts.

GENERAL ELECTRIC TRANSISTORIZED PHOTOELECTRIC CONTROLS

GENERAL-PURPOSE



K7700A1 — Single time delay.



KT701A1—Dual on-off delay.

PS700—Reflex self-contained control has plug-in modules for single time delay (KT700A1) and dual on-off delay (KT701A1).



MA11S, (not shown) diecast swivel bracket fits PS700 base or PS510 vertical or horizontal flanges. Plus or minus 0-30 degree swivel.

MA116, (not shown) tilt/swivel bracket assembly fits flanges of PS510. Permits 0-150 degree tilt, 360 degree swivel.

PS510—Low-cost, coaxial device has light source, sensor amplifier, and relay in one enclosure.

Bulletin GEA-6822



LONG-RANGE OUTDOOR



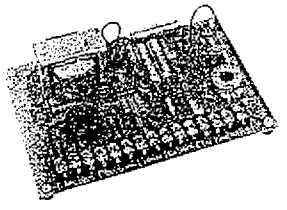
M500—Two-piece system with modulated light source for all long-range applications, outdoors and indoors.

Bulletin GEA-6822

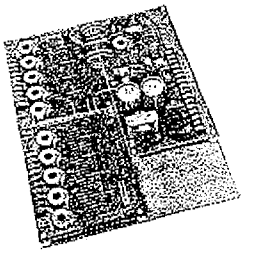
BUILDING-BLOCK SYSTEMS FOR ALL INDOOR APPLICATIONS REQUIRING REMOTE SENSING HEADS

A complete system includes an amplifier panel, one or more light sources, and sensors or scanners and output device.

Amplifiers



PG520 for single set of sensing heads



PM530 for five sets of sensing heads, and PM535 for up to ten sets of sensing heads. Any combination of scanners and sensing heads may be used simultaneously.

All amplifiers can be equipped with optional plug-in pulse detector, time-delay, time-interval or motion detection circuit boards, and any one of four types of plug-in outputs (hermetically sealed 10-amp relay, mercury-wetted relay, static output, or logic signal output). All amplifiers offer sensitivity control and a selection of light or dark operation on each input sensor. Multiple input panels can be connected so that one of the sensors is used to trigger the other sensors. Look time can be controlled up to 1 sec.

Sensing Heads and Scanners

For use with PG520, PM530, or PM535 amplifiers. All have NEMA 3/5/12 enclosures (weather resistant, dust-tight). Units have fast-acting, temperature-stable solar cells, lamp life up to 60,000 hours. They operate reliably at high ambient light levels.

Miniature Sensing Heads



Light source and sensor look alike. Max range is 30 ft. Slip-on accessories quickly convert units for special optical requirements.



Standard Sensing Heads

Light source and sensor look alike. For long range applications up to 200 ft. Adjustable mounting brackets for vertical and horizontal adjustments.



Right-angle Sensing Heads

For applications up to 22 ft. Threaded for locknut mounting with optional mounting brackets. Light source and sensor look alike. Designed for small mounting space.

Scanner for Reflected Light



Combination light source and sensor. Works on matte or mirrored surface up to ¾-in. distance; alignment not critical. Scanned surface can move up and down ⅛-in. with no adverse effect. Detects light vs dark or shining vs dull contrasts.

Co-axial Scanner for Reflected Light



Sends and receives light on a common axis. Light is returned by a retro-reflective target up to 30 ft distant.

Micro-miniature Sensing Heads



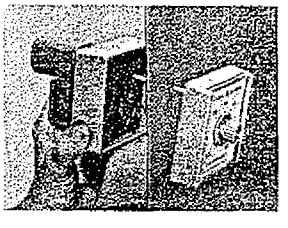
Dia only 7/16 in. Max range 18 in. Can be focused to a spot as small as 1/16 in. by 5/32 in., one in. from lens. Accessory mirror quickly converts microminiature end viewing light source or sensor to side viewing.

Bulletin GEA-6822

OTHER ELECTRONIC DEVICES

Transistorized Electronic Timers

Time delay, timed interval, or recycle



High accuracy ET560 series. 1% repeat accuracy assures high process reliability. Dials marked in seconds. Choice of panel or surface-mounted enclosures, and six interchangeable plug-in time ranges. Input power: 115/230 VAC 10%, 50/60 cycles.

Low-cost ET550 series. Same features as above except 2% repeat accuracy, dial marked in % of total time, and input power: 115 VAC 10%, 50/60 cycles.

Bulletin GEA-7668

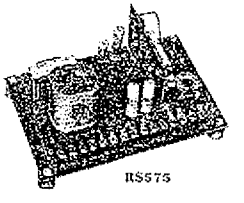


Voltage-sensitive Relays

Senses voltage increases or decreases, and switches an external circuit when the voltage passes a preset level. Voltage sensed can be from 2 to 300 a-c or d-c.

Bulletin GEA-7960

Resistant-sensitive Relays



RS575

Low-cost RS570 for standard applications offers high reliability, plug-in hermetically sealed relay. Operating range adjustable from 7K-80K ohms. High sensitivity RS575 for special applications offers plug-in options for time delay or pulse detection (0.0002 sec detection time). Optional outputs are available. Operating range adjustable from 20K to 4 megohms.

Bulletin GEA-7960



Smoke Density Indicator

Detects, indicates, and records smoke density. Output relay gives warning or activates blowers, etc. Can be used to indicate the density of any fluid—gaseous or liquid—where density is related to the fluid's ability to transmit light.

Bulletin GEA-7960

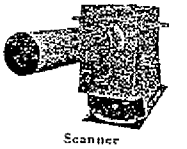
Radiant Heat Detector

Sense the presence or absence of a source of radiant heat, such as steel rods or billets, as low as 450°F.

Bulletin GEA-8747



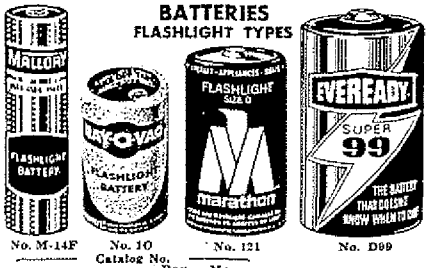
Receiver



Scanner

Contact your nearest Graybar office for complete specifications and prices.

BATTERIES
FLASHLIGHT TYPES



No. M-14F — No. 10 — No. 121 — No. D99

Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Size	Each
904	M-910F	716	....	1.5	N	$0.10
912	M-24F	400	180	1.5	AAA	.14
915	M-15F	7AA	170	1.5	AA	.14
935	M-14F	1C	111	1.5	C	.17
950	M-13F	2D	121	1.5	D	.17
D99	.....	6D	....	1.5	D(HD)	.24
1150	M13X	3D	122	1.5	D*	.17

*Industrial.

LANTERN, LIGHTING AND HOBBY BATTERIES, ETC



No. 941 — No. 49NL — 509

Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Each
409	.....	.....	.....	.....	$0.81
509	M-908	941	49NL	6 *	1.24
510S	M-915	942	496S	6 **	1.24
510F	.....	943	.....	6 †	1.30
731	M-918	918	896	6 ‡	2.53
520	.....	.....	.....	6 *	3.58
706	.....	902	902	6 •	4.41
715	M-903	903	903	7½ •	5.34
716	M-904	904	904	9 •	6.08
732	.....	.....	926	1½ °	2.90
735	.....	900	491		1.16
2744N	.....	.....	496F		1.24

*Spring Terminals. **Screw Terminals. †Spring Clips. ‡Lighting. *Alkaline. •Emergency. °Instrument.

"HOT SHOT" BATTERIES



Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Each
1461	M-907	641	640	6	$4.37
1462	.....	.....	.....	6	5.12
1463	.....	922	642	12	5.12
1562	.....	.....	.....	7½	5.85
1662	.....	661BP	.....	9	6.58

BATTERIES FOR INDUSTRY

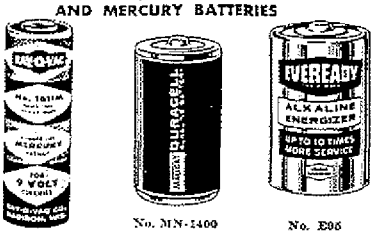


No. HS-50 — No. M-15F — No. 916 — No. WM20

These batteries are designed for industrial use. Check your local Graybar Office for pricing and quantity schedules.

Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Type	Each
HS-6	M-6X	WM50	66	1.5	Ignitor	$0.82
HS-15	M-15F	WM40	170	1.5	AA	.094
HS-35	M-14F	WM15	111	1.5	C	.11
HS-50	M-13X	WM10	121	1.5	D	.11
HS-150	M-13X	WM30	122	1.5	D (HD)	.13
HS-90	M-916X	WM20	916	6	Lantern*	.69

BATTERIES
ALKALINE, SILVER OXIDE AND MERCURY BATTERIES



No. 1611M — No. MN-1400 — No. E95

Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Each
E1	RM-1	1100M	.....	1.4	$0.68
E3	RM-3R	.....	.....	1.35	1.39
E4	RM-4R	.....	.....	1.35	1.78
E9	ZM-9	15M	.....	1.4	.71
E12	RM-12	.....	.....	3.4	1.06
S41	MS-41	RS41G	.....	1.5	.33
E42	RM-42	.....	.....	1.4	3.57
S76	MS-76	RS76G	.....	1.5	.40
E90	MN-9100	810	.....	1½	.35
E91	MN-1500	815	15A	1½	.42
E92	MN-2400	824	24A	1½	.42
E93	MN-1400	814	14A	1½	.57
E94	.....	.....	.....	1½	.57
E95	MN-1300	813	13A	1½	.71
E126	TR-126	1611M	.....	8.4	1.60
E132	TR-132	T132M	.....	2.8	1.25
E133	TR-133	T133M	.....	4.2	1.60
E134	TR-134	T134M	.....	5.6	1.78
E146X	TR-146X	1604M	.....	8.4	1.39
E163	TR-163	.....	.....	4.2	1.78
E164	TR-164	.....	.....	5.6	1.60
E165	TR-165	.....	.....	7.0	2.11
E177	TR-177	1606	.....	9.0	1.65
E233	TR-233	.....	.....	4.2	2.86
E400	RM-400	.....	.....	1.4	.35
E401	RM-401	T401M	.....	1.4	.68
E502	RM-502R	.....	.....	1.35	1.25
523	MN-1306	RPX21	.....	4.5	1.25
E625	RM-625	T625M	.....	1.4	.53
E630	RM-630	.....	.....	1.4	.53
E640	RM-640	T640M	.....	1.4	.53
E675	RM-675	T675M	.....	1.4	.35

"IGNITOR" No. 6 DRY CELL



Designed especially for ignition and is particularly desirable for heavy duty uses.

Equipped with screw terminals unless Fahnestock spring terminals are specified.

Standard package, 12. Weight, 25 lbs.

Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Each
6	M-905	6 Ign. Screw	66	1½	$1.15

"COLUMBIA" "GRAY LABEL" LONG LIFE TELEPHONE CELL



This dry cell delivers long service life with uniformity and dependability in the highest degree.

Equipped with Fahnestock spring terminals unless screw terminals are specified.

No. 66

Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Each
6	M-906	6 Tel. Clip	66	1½	$1.15

RAILROAD AND INDUSTRIAL No. 6 CELL



Especially designed for Railroad and Industrial use where a wide range of service conditions, from extremely heavy to extremely light are encountered. Round jacket.

No. 6RR

Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Each
6	M-911	6RR	66	1½	$1.15

BATTERIES
"A-B" PACKS FOR PORTABLE RADIOS



Catalog No. Eveready	Mallory	Ray-O-Vac	Volts "A"	Volts "B"	Each
729	-----	425	1½	90	$5.96
752	-----	A400	9	90	7.96
753	-----	401	7½&9	90	7.29
---	-----	402	7½&9	90	.....
755	-----	403	6 &7½	75	6.57
756	-----	405	7½&9	90	5.96
757	-----	406	9	90	7.96
759	-----	413	1½	90	8.91

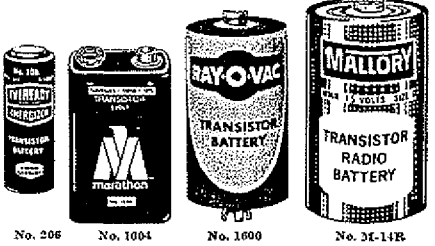
VACUUM TUBE TYPES



No. 412 — No. 467 — No. 707 — No. 904

Catalog No. Eveready	Mallory	Ray-O-Vac	Volts	Each
411	M-208	208	15	$1.10
412	M-215	215	22½	1.28
413	M-210	A210	30	1.43
415	.....	213	45	1.92
416	------	217	67½	2.27
437	------	212	75	3.46
455	------	201	45	2.49
457	------	203	67½	2.97
467	M-200	200	67½	2.97
468	------	----	67½	3.04
477	M-211P	211P	67½	2.97
479	.....	214	90	3.26
482	------	202	45	3.26
487	------	----	45	4.22
490	------	204	90	3.46
495	------	----	90	4.58
707	------	26	7½	1.43
713	------	8	7½	2.75
717	M-9	9	7½	1.35
724	------	A2	6	1.10
726	------	19	4½	1.83
736	------	A3	4½	1.83
742	------	A4	1½	1.26
744	------	A6	6	1.26
746	------	A7	4½	2.75
964	M-20	20	1½	.69
2506	------	1601	9	2.56

RADIO BATTERIES TRANSISTOR TYPES



No. 206 — No. 1004 — No. 1600 — No. M-14R

Catalog No. Eveready	Mallory	Ray-O-Vac	Marathon	Volts	Each
206	M-1611	.....	.....	9	$0.68
216	M-1604	1604	1604	9	.52
226	M-1600	1600	.....	9	.74
228	------	1810M	.....	12	1.21
239	------	1900	.....	13½	1.83
243	------	-----	.....	4½	1.65
246	M-1602	1602	1602	9	1.65
266	M-1605	1605	1605	9	1.49
276	M-1603	1603	.....	9	1.83
333	.....	.....	.....	4.5	.74
904	M-910F	716	.....	1½	.10
1015	M-15R	15	173	1½	.17
1035	M-14R	14	113	1½	.24
1050	M-13R	13	123	1½	.24

"EVEREADY" FLASHLIGHTS

SPECIFY "EVEREADY" BATTERIES

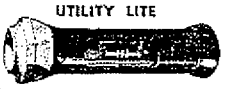
Flashlight	Batteries
Touch-Tip Penlite	2—912
Touch-Tip H-D Penlite	2—915 or E91
Baby	2—935 or E93
2-Cell	2—950 or D99 or E95
3-Cell	3—950 or D99 or E95
5-Cell	5—950 or D99 or E95
308CT	2—950, 1050, D99 or E95

MAGNET LITES



Holds fast to steel — leaves hands free. Exclusive Magnet Switch combination — easy-to-use.
No. 5MF (2-D Cells) w/o batteries.....$1.68
*No. 4MF (2-D Cells) w/o batteries 1.82
*Pop-Out magnet lite.

UTILITY LITE



Resists oils, most chemicals — for tool box or shop. Insulated case. Non-breakable lens. Bulb protector.
No. 330 (2-D Cells) w/o batteries.....$0.86

MAGNET UTILITY LITE



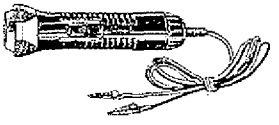
Magnet-switch combination — easy-to-use. Resists oils, most chemicals. Insulated case. Non-breakable lens. Bulb protector.
No. 337 (2-D Cells) w/o batteries.....$1.03

TORCH LITES



Comes with 8" signal wand, specify color, (R) Red; (Y) Yellow. Piercing white beam.
No. 307 R or Y (2-D Cell) w/o batteries $3.24

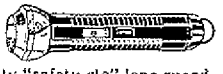
"EVEREADY" 2-CELL FLASHLIGHT WITH CONTINUITY TESTER



Continuity Tester has plug, clips and insulated leads for instant use.

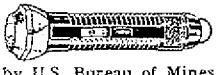
No. 308CT (2-D Cells) w/o batteries..... $4.95

INDUSTRIAL FLASHLIGHTS



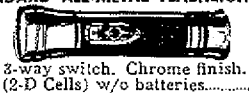
Heavy duty "safety-glo" lens guard. Rugged case will not shatter, crack or dent.
No. 1251 (2-D Cells) w/o batteries.....$2.42
No. 1351 (3-D Cells) w/o batteries..... 2.75

INDUSTRIAL "SAFETY" FLASHLIGHTS



Approved by U.S. Bureau of Mines. Listed by Underwriters' Laboratories. Same features as No. 1251 with special "safety" extras.
No. 1259 (2 D-Cells) w/o batteries.....$3.37
No. 1359 (3 D-Cells) w/o batteries..... 3.58

STANDARD ALL-METAL FLASHLIGHTS



Deluxe 3-way switch. Chrome finish.
No. 2251 (2-D Cells) w/o batteries..... $1.68

"COMMANDER" FLASHLIGHT



Triple-plated chrome finish. Sturdy, safety-glow lens ring.
No. 5251 (2 D Cells) w/o batteries $0.65
No. 5 Assortment (12 No. 5251 in display) 7.80

TOUCH-TIP PENLIGHT



All chrome.
No. 312 w/o batteries.....$0.93
No. 315 w/o batteries..... .93

"EVEREADY" FLASHLIGHTS

ECONOMY SEARCHLIGHTS



Low price. Ring hanger, end-loading. Non-rolling head. All-metal case. Jumbo switch.
No. 5352 (3-D Cells) w/o batteries.....$2.91
No. 5552 (5-D Cells) w/o batteries..... 3.66

BULLS-EYE HEAD-LITE



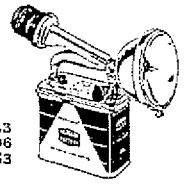
Frees hands. Long-range beam. Rustproof. Rainproof battery pouch fits on strap or belt. Uses No. 510S "Eveready" battery and No. PR13 lamp.

No. 3452 Head-Lite w/o batteries $2.77

No. 1348 Battery Pouch ..... .73

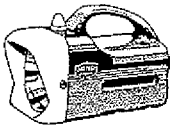
"EVEREADY" LANTERNS

"BIG JIM" LANTERNS



Powerful beam. Weatherproof construction. Red warning flasher. Uses 1 No. 731 "Eveready" battery, No. 4564 Headlamp, No. 407 Signal lamp.
No. 100WB/flasher) $12.43
No. 101WB/o flasher) 10.96
No. 731 Battery 2.53

"ALL AMERICAN" WEATHERPROOF LANTERN



Tough "Cordahide" polyethylene case. Powerful searchlight — easy-grip handle. Unbreakable lens, bulb protector, reflector will not tarnish. Weatherproof push-button switch.
No. 108A Lantern* $2.91
No. 509 Battery 1.24
*Without battery.

"HERCULES" WATERPROOF-FLOATING SAFETY LANTERN

Listed for Class 1, Groups C and D



Explosion-proof. Tested by U.S. Bureau of Mines in methane-air mixtures. Listed by U.L. for use in gas-air mixtures of Class 1, Groups C and D. Meets military specifications for waterproof flashlights.

Uses PR-13 Bulb, "Eveready" Nos. HS-90, 409 or 509 lantern battery.
No. 459 w/o battery $5.83

RAY-O-VAC FLASHLIGHTS

Z21P 2-CELL PENLIGHT



Uses 2 No. 7R or 7AA batteries and No. 222 bulb. Patented rotary switch. Standard package 24; weight 2¼ lbs.

No. Z21P Penlight, less batteries.....$1.38

Z22R 2-CELL SPOTLIGHT

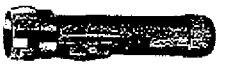


Uses two 2D batteries and No. PR2 bulb. Standard package, 24; weight 9½ lbs.

No. Z22R Spotlight, less batteries.....$1.34

WF22 HEAVY DUTY FLASHLIGHT

With Switch Guard



Features new switch guard to prevent accidental turn-on when slipped into pocket. Special plastic housing is oil and chemical resistant and switch is replaceable. Standard package 24, weight 9½ lbs.

No. WF22 Flashlight, less batteries $1.58

RAY-O-VAC FLASHLIGHTS

DUAL ACTION SAFETY HEAD FLASHLIGHTS



Cat. No.	Description	Bulb Used	Battery Used	Wt. Lbs. Std. Pkg.	Less Battery
BM22	2-Cell	PR6	2 — 2D	16¾	$4.03
BM32	3-Cell	PR7	3 — 2D	9½	4.25

SAFETY LIGHTS



Heavy-duty safety light approved by Underwriters and Bureau of Mines for use in explosive atmospheres. Completely replaceable parts. Standard package 12.

Cat. No.	Description	Bulb Used	Battery Used	Wt. Lbs. Std. Pkg.	Each
AN22	2-Cell	PR6	2D or 3D	5½	$4.36

WORKMAN* FLASHLIGHT

Heavy-duty flashlight, highly resistant to breakage, chemical action and extreme temperature ranges. Spare lamp holder in removable end cap. Standard package 12.

Cat. No.	Description	Bulb Used	Battery Used	Wt. Lbs. Std. Pkg.	Each
N22	2-Cell	PR6	2D or 3D	5½	$2.89

*Reg. U.S. Pat. Off.

BR22 PREFOCUSED SPOTLIGHT



Has rubber end cap and hood and fibre barrel. Uses PR2 bulb and two 2D or 3D batteries. Standard package, 24; weight 11¼ lbs.

No. BR22 Spotlight, less batteries $2.18

JUSTRITE

"LIGHT-STICK" FLASHLIGHT



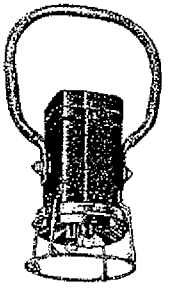
The modern industrial flashlight; a 6-volt, 4-cell design that pays for itself in lower operating costs. 167% more power, 20% less battery cost than conventional 2-cell flashlights. Has belt hook, carrying ring, rubber lens protector. Will stand on base or lay flat. Head tilts to angle required.

Focusing, extra bright reflector. Lucite lens. 24 ga. galvanized steel case finished in chip-proof grey enamel.

Overall dimensions are 3"x2½"x-9". Packed one per carton, weight 1 lb.

No. 2105-4 "Light-Stick" less batteries... each $5.30

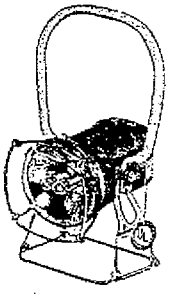
RAILROAD TRAINMAN'S LANTERNS



Uses standard 6-volt battery and bulbs. Powerful "spot" beam from one bulb. Other bulb extended for ordinary signals. Re-enforced aluminum tubing handle. Welded steel guard. 3½-inch chrome reflector. Wt. 2 lbs. Space for 2 spare bulbs.

No. 2140-1 Trainman's Lantern, less bulbs — less battery.....each $4.76
No. 2140-3 same as above, but with special clear Lucite globe over reflector. Less bulbs, less battery..... .....each $5.66

ALL-PURPOSE SAFETY HAND LANTERN



Approved by Underwriters', Bureau of Mines and Bureau of Marine Inspection. Uses standard 6-volt battery. Two bulbs—either gives both "spot" and diffused light. Tilts on base to any angle. Wide movable handle. 3½-inch chrome reflector and lucite globe. Standard package 12; wt. 33 lbs.

No. 1744-8 Safety Lantern, less battery.....each $9.73

TELEDYNE BIG BEAM FLASHERS AND HAND LAMPS, AUXILIARY — EMERGENCY LIGHTS

BIG BEAM FLASHERS



Compact, low-cost quality unit. Ideal for highway emergencies. Uses 6-v. dry cell battery.

No. 108F

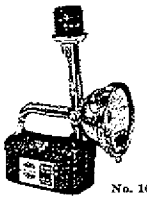


Transistorized barricade flasher. Weeks of continuous operation. Can be mounted on most barricades. Two directional 7" amber beacon lens. Uses two 6-v. dry cell batteries.

No. TF7

No.	Description	Each*
108F	360° red flare	$ 5.65
103/3	Kit with three 108F flares in case	21.95
TF4	Transista flasher, 4" amber lens	19.95
TF7	Transista flasher, 7" amber lens	21.95
TF360	Transista flasher, 360° amber fresnel	17.95
200	6-v. dry cell battery	1.69

BEACON LAMP



Choice of penetrating sealed beam, standard bulb red flasher. Sturdy steel case, red baked enamel finish; beacon arm, head, handle chrome plated. Requires one 6 volt battery. Weatherproof switches with protective rubber boots.

No. 164

No.	Description	Each*
164	Sealed beam w/beacon	$11.95
104	Standard bulb w/beacon	11.95
166	Sealed beam less beacon	8.95
111	Standard bulb less beacon	8.95
200	6-v. dry cell battery	1.69

BIG BEAM MOUNTY BATTERY MOUNTED HAND LAMP



Super 40,000 candle power sealed beam, visible one mile. Red safety flasher. Lamp clamps on metal cased, twin-pack battery. Chrome plated, heavy gauge steel.

No. 664

No.	Description	Each*
664	Sealed beam w/beacon	$11.95
666	Sealed beam less beacon	8.95
202	Twin-Pack 6-v. battery	3.45

GENERAL SERVICE LAMP THROWS POWERFUL 1500 FOOT BEAM OR BRILLIANT SPREAD LIGHT



Quality built with 5" chrome-plated head and triple plated reflector. Switch controls main and auxiliary bulbs. Simple focus allows choice of 1500 ft. beam or spread light. Holds two 6-v. batteries, one as spare.

No. 211

No.	Description	Each*
211	Main and auxiliary bulb	$15.95
287EX	All brass, explosion-proof lamp; approved by UL, Class I, Group D. Approved by U.S. Coast Guard	39.95
200	Set of 2 6-v. dry cell batteries	3.38

POWERFUL INDUSTRIAL HAND LAMP PENETRATING 2000 FOOT BEAM

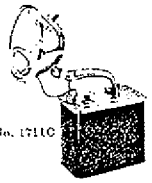


Engineered for hard use by fire departments, railroads, general industry. 6" true parabolic reflector projects 2000 ft. beam. Pre-focused bulb, heavy-duty case.

No. 700A

No.	Description	Each*
700A	2 bulbs, chrome head and handle	$24.95
700	1 bulb, black enamel head	21.95
6	Set of 4 1½-v. dry cell batteries	6.36

POWERHOUSE HEAVY DUTY CLAMP-ON LAMP



Ideal for utility, municipalities, railroads, industrial and service use. Clamps on 7½-v. battery. Lamp features: Head that swivels 270°; switch guard; 2000 ft. beam; main bulb and auxiliary bulb.

No. 1711C

No.	Description	Each*
1711	Main and aux. bulbs, gray finish	$19.95
1711C	Main and aux. bulbs, chrome finish	21.95
1766	Sealed beam, gray finish	21.95
1766C	Sealed beam, chrome finish	23.95
751	7½-v. dry cell battery	7.25

*Prices less batteries

MOST POWERFUL DRY CELL LAMP

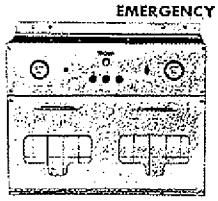


World's most powerful dry cell hand lamp. A 9-v. dry cell gives a 2500 ft. beam with pre-focused bulb or sealed beam. Auxiliary bulb conserves power. Adjustable head has fingertip control for each bulb. 7" chrome-plated head.

No.	Description	Each*
1000	Main and aux. bulb	$28.95
1066	Sealed beam bulb	29.95
466	9-v. dry cell battery	8.95

*Prices less batteries

BIG BEAM 12-VOLT CENTRAL SYSTEM EMERGENCY LIGHTING



12 volt power allows placement of heads further from unit than 6 volt. Lower amperage drain of bulbs permits use of additional heads. Fully automatic two-rate battery recharger.

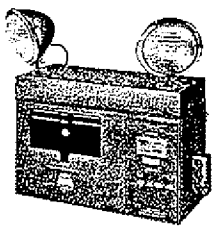
No. A12LA80

No. or Suffix No.	1½ Hour Discharge Watts to 91%	Each
(With clear plastic lead acid battery, prorated guarantee for 5 years.)		
A12LA30	180	$382.50
A12LA40	210	396.00
A12LA80	360	427.00
A12LA100	444*	460.00
(With translucent plastic jar nickel cadmium battery, prorated guarantee for 10 years.)		
A12NC20	101	490.50
A12NC30	118	535.50
A12NC40	176	580.50
A12NC50	283	634.50
A12NC60	223	598.50
A12NC70	420*	724.50

*Unit has 3 circuits fused at ten amps. each.

BIG BEAM SOLID STATE EMERGENCY LIGHTS

3-Rate Rechargeable — 6 Volt System



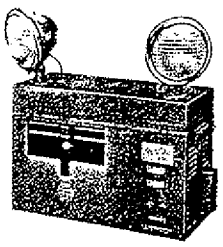
Illuminates approximately 25,000 sq. ft. for 3½ hours, with No. 2S6L100 and 3 No. 51F6 Remote Heads. Completely recharges battery within 12 hours. Provides automatic recycling. Prevents complete discharge of battery. Epoxy encapsulated 3-rate charger and transfer modules guaranteed 5 years; especially designed clear plastic lead acid batteries 7 years; nickel cadmium batteries 10 years.

No. 2S6L40

No. or Suffix No.	Burning Time (2 Heads)	Each
Lead Acid Battery Type		
2S6L30	5 Hours	$194.40
2S6L40	6½ Hours	192.60
2S6L80	13 Hours	196.20
2S6L100	16½ Hours	198.00
Nickel Cadmium Battery Type		
2S6N20	1¾ Hours	267.30
2S6N30	2½ Hours	270.00
2S6N40	4 Hours	281.70
2S6N50	6 Hours	330.30
2S6N60	7½ Hours	324.90
2S6N70	8¼ Hours	400.50
P1	2-Wire Cord Set	1.50
P2	3-Wire Cord Set	3.35
51F6	Remote Head	11.00
22	Wall Mounting Shelf	6.75

AUTOMATIC EMERGENCY LIGHTS

2-Rate Rechargeable — 6 Volt System

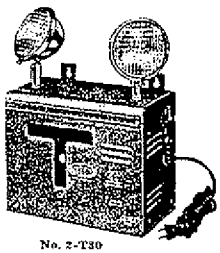


Solid state triggered inverse temperature compensated relay, and silicon controlled rectification assure proper charging and reduced gassing. Model 2A6L100 illuminates approximately 10,000 sq. ft. for 12¾ hours, and recharges battery to full capacity within 12 hours. Specially designed transparent lead acid battery guaranteed for 5 years; nickel cadmium battery for 10 years.

No. 2A6L40

No. or Suffix No.	Burning Time (2 Heads)	Each
Lead Acid Battery Type		
(With clear plastic lead acid battery, prorated guarantee for 5 years.)		
2A6L30	3¾ Hours	$126.00
2A6L40	4¾ Hours	124.20
2A6L80	9¾ Hours	127.80
2A6L100	12¾ Hours	192.60
Nickel Cadmium Battery Type		
(With translucent plastic jar nickel cadmium battery, prorated guarantee for 10 years.)		
2A6N20	1½ Hours	$198.90
2A6N30	1¾ Hours	205.20
2A6N40	3 Hours	213.30
2A6N50	4 Hours	261.90
2A6N60	5½ Hours	256.50
2A6N70	6¾ Hours	332.10
P-1	Two Wire SJ Cord and Plug	1.50
P-2	Three Wire SJ Cord and Round Ground Plug	3.35
22	Wall Mounting Bracket	6.75
55F6	Remote Head	1.00

ECONOMY MODEL SINGLE RATE AUXILIARY — EMERGENCY LIGHT

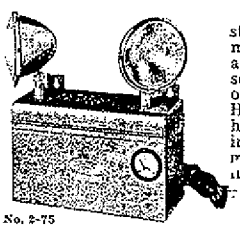


Ideal for short period power outages. Battery is recharged by special single rate charger. Has two adjustable heads, built-in wall mounting bracket, 30 ampere hour lead acid battery, pilot light, cut-off and test switches. Illuminates approximately 10,000 sq. ft. for 3¾ hours.

No. 2-T30

No.	Description	Each
2T30	With Lead Acid Battery and Two Heads	$94.05
2T30EL	With Junction Box for Conduit Connection	91.35
54F6	Remote Head	11.00

"LIFESAVER" WITH DRY CELL BATTERY



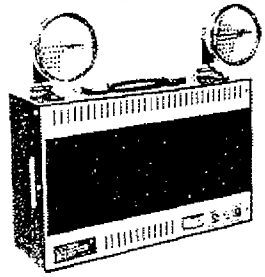
Ideal for small stores, restaurants and motels. Illuminates approximately 5,000 sq. ft. for 5 hours on one 7½-v. dry cell. Has two adjustable heads, built-in mounting brackets, voltmeter, ready indicator light and test switch.

No. 2-75

No.	Description	Each
2-75	Lifesaver Emergency Light less battery	$32.95
751	7½v. Dry Cell Battery	7.25

EXIDE LIGHTGUARD® EMERGENCY LIGHTING UNITS

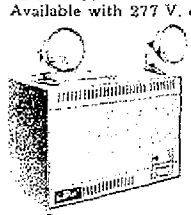
MODEL LSS MAINTENANCE-FREE UNITS



Maintenance Free — Decorator Designed. Fully automatic with solid-state pulse type charger and solid-state dropout circuit constantly monitoring both the AC and DC current. Contains Exide sealed, maintenance-free, lead-acid storage battery.

Cat. No.	Description	Each
101-581-607	Charcoal and gray	$165.00
101-581-707	2-Tone Brown	165.00

Available with 277 V. operation.



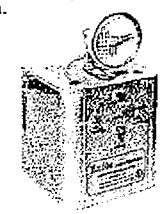
MODEL C

High Capacity — Fully automatic with solid-state, pulse charger and dropout circuit. Supplied with either 50 A.H. or 100 A.H. battery for greater power output.

Cat. No.	Description	Each
101-581-906	With 50 A.H. battery	$168.00
101-581-906A	With 100 A.H. battery	188.00

Available for 277 V. operation.

MODEL M

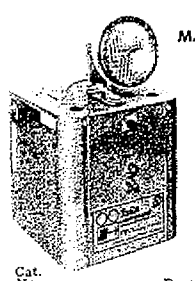


Manual Recharge — Contains two-rate charger with manual switch-over from high-rate to float-rate charging and Exide Tytex® lead-acid storage battery.

Cat. No.	Description	Each
72093	Gray Hammertone	$95.00

Available for 277 V. operation.

MODEL FSS MAINTENANCE-FREE UNITS



Maintenance Free — Fully automatic with solid-state, pulse type charger and solid-state dropout circuit constantly monitoring both AC and DC current. Contains Exide sealed, maintenance-free lead-acid storage battery. Available with time delay relay for mercury vapor lighting.

Cat. No.	Description	Each
101-581-504	Gray Hammertone	$140.00
101-582-312	With Time Delay Relay	186.00

Available for 277 V. operation.

MODEL AS



Automatic Recharge — Fully automatic with solid-state pulse type charger and solid-state dropout circuit constantly monitoring both AC and DC current. Contains Exide Tytex® lead-acid storage battery.

Cat. No. 101-581-304 . . . . . each $128.00

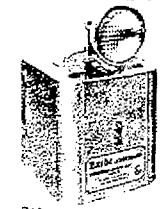
Available for 277 V. operation.

Complete line of accessory items including lamp fixtures and mounting brackets are available for use with Exide Lightguard Emergency Lighting Units.

All models are supplied standard with a 3-wire, parallel grounding cord set which is easily removed for conduit connection.

EXIDE LIGHTGUARD® EMERGENCY LIGHTING UNITS

MODEL T

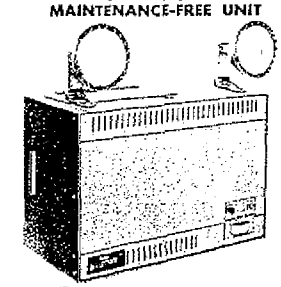


Single Rate Charger — Contains a single-rate trickle charger and Exide Tytex® lead-acid storage battery.

Cat. No.	Description	Each
72123	Gray Hammertone	$ 82.50

Available with 277 V. operation.

MODEL B MAINTENANCE-FREE UNIT

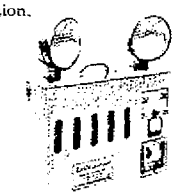


Maintenance Free — 12 volt operation for long wire runs. Fully automatic with solid-state, pulse type charger and solid-state dropout circuit constantly monitoring both AC and DC current. Contains two Exide sealed, maintenance-free, lead-acid storage batteries.

Cat. No. 101-581-806 . . . . . each $250.00

Available with 277 V. operation.

MODEL NAS

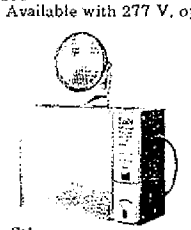


Nickel Cadmium — Fully automatic with solid-state pulse type charger and solid-state dropout circuit. Contains Exide nickel cadmium battery for minimum maintenance and long life.

Cat. No.	Description	Each
101-582-009	With 30 A.H. battery	$202.00
101-582-009A	With 40 A.H. battery	214.00

Available with 277 V. operation.

MODEL D-1



Dry Cell—Contains powerful Ray-O-Vac dry cell battery for operation where recharging is not a requirement.

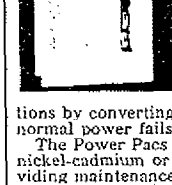
Cat. No.	Description	Each
72701	Gray Hammertone	$33.90

Complete line of accessory items including lamp fixtures and mounting brackets are available for use with Exide Lightguard Emergency Lighting Units.

All models are supplied standard with a 3-wire, parallel grounding cord set which is easily removed for conduit connection.

DUAL-LITE EMERGENCY LIGHTING

D.C. FLUORESCENT POWER PACS



Battery-inverter Power Pacs make it possible to incorporate emergency lighting into all new or existing fluorescent lighting layouts.

Geared for easy installation in suspended ceilings or for recessed or surface wall mounting. They provide instantaneous emergency lighting in fluorescent installations by converting DC battery power to AC when normal power fails.

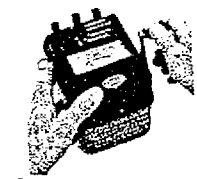
The Power Pacs are available with either sealed nickel-cadmium or sealed lead-acid batteries, providing maintenance-free and long-life reliability.

Panels available in neutral grey, neutral sand or matte white.

Model 1-4PTA-120 ..... each $293.96
Model 2-4PTA-60 ..... each 333.62

BIDDLE ELECTRICAL TESTING AND SPEED MEASURING INSTRUMENTS

MAJOR MEGGER® INSULATION TESTER



For the great majority of insulation and continuity tests. Four voltages (100, 250, 500 and 1000 volts) in the 200 megohm low range model and three voltages (250, 500 and 1000 volts) in the 2000 megohm high range instrument. Ohm scales for continuity measurements also included on both models.

Cat. No.	Range	Each	Cat. No.	Range	Each
21154	Low	$320.00	21158	High	$345.00

Both models complete with case and 12 ft. leads.



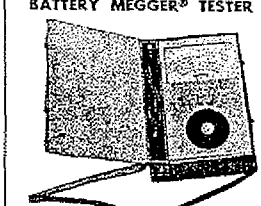
NEW MEGGER® MARK IV INSULATION TESTER

A compact, rugged hand-operated instrument for testing electrical insulation resistance. Has camera-type case containing instrument and test leads . . . operates without removing case. Choice of three ranges.

Cat. No.	Range	Each
21804	0-50 Megohms & 500 ohms @ 250V DC	$180.00
21805	0-100 Megohms & 500 ohms @ 500V DC	180.00
21805-1	0-100 Megohms & 10000 ohms @ 500V DC	185.00

(Price includes leather case and 5 ft. leads.)

BATTERY MEGGER® TESTER



This new, completely transistorized, portable testing instrument provides continuous measurement from 0 to 5 megohms for resistance tests and 0 to 200 megohms for insulation tests. It is powered by six size AA (Penlite) cells.

Applications include testing of all forms of electrical equipment, electronic components and wiring circuits. Ideally suited for making insulation resistance tests in accordance with the National Electrical Code.

Cat. No.	Description	Each
822	0 to 200 megohms, 500V.	$135.00

Complete with leads and leather case.

MEGGER® (NULL BALANCE) EARTH TESTER

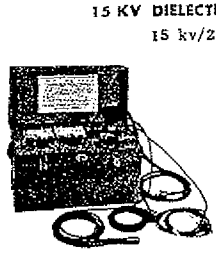


A new, highly sensitive method of measuring earth resistance. The accuracy of this instrument is not affected by electrode resistance up to 1500 ohms—a guard terminal is provided for use when probe resistances are above 1500 ohms. The range is 0.1 ohm to 9990 ohms in four overlapping ranges. Accuracy ± 1% of range in use — digital read-out at a glance.

Cat. No.	Description	Each
63220	Megger Earth Tester	$330.00
63850	Leather Case	45.00
63579	Accessory Kit consisting of No. 63578 Carry-all, No. 63576 Leads and No. 63580 Ground Rods	90.00

15 KV DIELECTRIC TEST SET

15 kv/2-5 ma



Maximum output current 2 ma for continuous and 5 ma for 12 min service. This set is designed for maximum safety with all protection devices. It is easily portable (37 lbs.) and is built for withstanding hard service in the field without lowering performance standards.

No.	Output	Each
220015	0-15 kv	$815.00

AMPROBE® CLAMP-ONS

AMPROBE instruments are rugged, compact, industrial type clamp-ons designed for maintenance men, electricians and engineers.

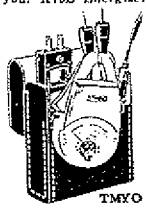


A Case

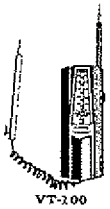
ROTARY SCALE MODELS

Model No.		Each
RS-1	0-6/15/40/100 Amps, AC	$46.85
+RS-1A	0-6/15/40/100 Amps, AC	51.85
Above Models Have 0-150/600 Voltage Ranges		
RS-2	0-6/15/40/100 Amps, AC	46.85
+RS-2A	0-6/15/40/100 Amps, AC	51.85
Above Models Have 0-150/300 Voltage Ranges		
RS-3*	0-6/15/40/100/300 Amps, AC	59.85
+RS-3A*	0-6/15/40/100/300 Amps, AC	64.85
RS-300	0-6/15/40/100/300 Amps, AC	55.85
+RS-300A	0-6/15/40/100/300 Amps, AC	60.85
RS-1000*	0-15/40/100/300/1000 Amps, AC	79.85
Above Models Have 0-150/300/600 Voltage Ranges		
RS-1007*	0-15/40/100/300/1000 Amps., AC 0-150/300/750 V AC.	79.85

*Ohmmeter Range 25 ohms midscale.
+Packed in "A" Case with Extendo Leads with space for your A45L Energizer.



TMYO



VT-200



T-150

JUNIOR MODELS

Model No.	Model No.	Model No.	Volts, AC	Amps, AC
.....	.....	Y25	0-125/250	0-25
TMYO525*	YO525**	.....	0-150/600	0-25
TMYO550*	YO550**	Y550	0-150/600	0-50
TMYO500*	YO500**	Y500	0-150/600	0-100

Model TMYO, $41.85 each
Model YO, 30.85 each
Model Y, 25.85 each

*TMYO Units complete with K case, leads, ohmmeter attachment and A45L Energizer. 25 Ohm midscale ohmmeter.
**25 Ohm midscale ohmmeter.

Model No.	Model No.	Volt Ranges	Amp Ranges
YTB1025*	YT1025	0-150/300	0-10/25
YTB25100*	YT25100	0-150/300	0-25/100
.....	YT525/100	0-150/600	0-25/100
.....	YT0525/100**	0-150/600	0-25/100

Model YTB, $36.85 each
Model YT, 30.85 each
Model YTO, 35.85 each

*Packed in "B" Case with VLK355 Extendo-Leads, with space for your A45L Energizer.
**25 ohm midscale ohmmeter.

TEST MASTER KITS

Model No.	Contents	Each
TM33A*	RS-3, A50-1 Decatran, A45L Energizer	$106.50
TM43A*	RS-3, A50-1 Decatran, A45L Energizer, PSA-1 Phase Sequence Adaptor	117.85
TM63*	RS-3, A45L Energizer	71.85

*Packed with VLK311 Extendo Leads.

AMPROBE VOLTPROBE® VOLTAGE TESTER

VOLTPROBE is virtually the only voltage tester that fits in a shirt pocket. Voltage levels are shown "Thermometer Style" by a series of lit windows corresponding to each voltage level. Visual readout ends guesswork and wrong interpretation. Operates over frequency range of 25 to 800 Hz. Model VC carrying case optional at extra cost. Model VT-124 indicates AC only, including 24 and 48 volts.

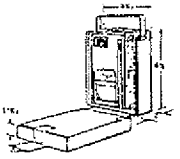
Model	Volts, AC	Volts, DC	Price
VT-100	115/220/277/440/550	115/220/400/600/750	$9.50
VT-124	24/48/115/220/277/440/550	.....	14.85

AMPROBE FASTEMP® THERMOMETERS

Battery powered unit measures temperatures in seconds. Three probe temperatures can be checked in quick succession with selector switch. "Press to Read" button, that also "locks on" for continuous temperature monitoring, extends battery life. Supplied with one RBT-12 Universal Probe. Uses 4AA batteries not supplied.

Model	Ranges	Each
T-150	-50° to +50°F +40° to +150°F	$44.85
RBT-11	Immersion Probe	each 8.95
RBT-13	Air Probe	each 8.95
FTC	Carrying Case	each 9.85

AMPROBE® RECORDERS



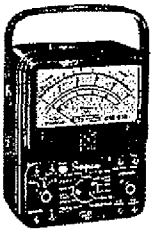
Portable, easy-to-use recorder, mounted in carrying case monitors operating conditions on pressure sensitive charts. Use as indicating meter also.

Model No.		Each
	AC Voltmeter Ranges	
LAV3X	95-130; 190-260; 380-520	$130.85
LAV2X	95-130; 190-260	109.85
LAV8600	0-150/300/600	114.85
	AC Ammeter Ranges	
LAA81	0-10/50/250/500	120.85
LAA82	0-5/25/100/250	115.85
LAA1500	0-800/1600	149.85
	AC Volt-Ammeter Ranges	
LAVA81	95-130; 190-260 VAC 0-10/50/250/500 Amps AC	164.85
LAVA82	95-130; 190-260 VAC 0-5/25/100/250 Amps AC	159.85
LAVA83	95-130; 190-260; 380-520 VAC 0-10/50/250/500 Amps AC	180.85
LAVA84	95-130; 190-260; 380-520 VAC 0-5/25/100/250 Amps AC	175.85
LAVA87	0-150/300/600 VAC 0-10/50/250/500 Amps AC	168.85
LT8100	Temperature Recorder, Dual Range -50° to +100°F and +50° to 250°F	125.85

All supplied with motor line cord, one roll necessary strip chart and necessary transducers. Specify chart speed of 1" or 12" per hour.

SIMPSON MULTI-TESTERS

AC-DC VOLT-OHM MILLIAMMETER



20,000 Ohms per volt DC—5,000 Ohms per volt AC.

Voltage Ranges

DC: 0-250 mv; 0-2.5v; 0-10v; 0-50v; 0-250v; 0-1000v; 0-5000v.

AC: 0-2.5v; 0-10v; 0-50v; 0-250v; 0-1000v; 0-5000v.

AF: 0-2.5v; 0-10v; 0-50v; 0-250v.

DB: —20 to +10 db; —8 to +22 db; +6 to +36 db; +20 to +50 db. (1MW—600 ohms.)

Current Ranges

DC: 0-5ua; 0-1 ma; 0-10 ma; 0-100 ma; 0-500 ma; 0-10 amps.

Resistance Ranges

0-2000 ohms (12 ohms center); 0-2000K ohms (1200 ohms center); 0-20 meg. (120K ohms center.)

Accuracies

DC volts ± 3%F.S.; AC volts ± 5% F.S.; DC resistance ± 3% of arc from absolute value of resistance measured.

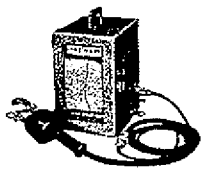
Features: Overload reset button for all ranges except 1000 and 5000 volts DC and AC; 10 amp DC.

Size: 5¼"x7"x3⅛". Weight: 3½ lbs. Complete with test leads and operator's manual.

Model 260-5P AC-DC VOM .....each $97.00

GENERAL ELECTRIC

CURRENT RECORDER, A-C (also a-c volts)



Portable recorder, Type CH-7, including current transformer for currents up to 750 amp

SPECIFICATIONS

Accuracy (including hook-on current transformer): ±2% of each range.
Response Time: 3/4 second.
Ranges: 0-15/30/75/150/300/750 amp (with hook-on current transformer insulated for use when line-to-ground voltage does not exceed 5 kv.
Higher voltage insulation is available.
0-150/300/750 volts (with user supplied potential leads)
Chart Drive: Double-speed, hand-wound spring clock.
Catalog No. 827X51.....Each $806.94

No electrical connection required for recording current. To record voltage greater than 750, use portable potential transformer. To record current greater than 750 amp, use auxiliary JP-6 transformer rated 3000/5 amp with 6-turn loop secondary. Put hook-on current transformer on this loop.

GENERAL ELECTRIC

PORTABLE HOOK-ON INDICATOR, TYPES AK-4 AND AK-5



Hook-on Indicator, Type AK-4 or AK-5, for a-c current or a-c volts

General Electric Types AK-4 and AK-5 hook-on indicators indicate a-c volts when attached to circuit by leads provided, and a-c amperes when hook is placed around current-carrying conductor. Each unit comes with 3½-foot voltmeter leads, and a black-leather carrying case.

FEATURES

- Single scale for each range.
- One-hand operation.
- Low current range—5 amperes.
- Pointer-stop mechanism—(AK-4 only) for measuring starting current surges and voltages at short duration.
- Insulated hook—eliminates possible grounding.
- Wound hook—minimizes position error.
- Dovetail joint—reduces possibility of errors due to dirt in gap or improper closing of hook.
- Shock resistant—case is molded of rubber phenolic.
- Screw-in voltage leads—provides maximum safety to operator.

Type No.	Range of Measurement	Catalog Number*	Each
AK-4	0-10/30/100/300/800 amp a-c 0-150/300/750 volts a-c (Fed. Stock No. 6625-892-1496)	683X83	$92.40
AK-5	0-5/20/80/350 amp a-c 0-150/300/750 volts a-c	683X84	73.92

*Includes carrying case and voltage leads approx 3½ ft. long. To measure a-c current, use hot-line pole to hook onto high-voltage lines. When voltage is greater than 750V, use portable potential transformer.

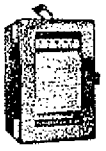
General Electric portable recorders may be used to record voltage of purchased power; motor load—kw or current; voltage fluctuation; and system kw, kva, power factor (load trend data).

From General Electric's broad line of recorders, recommended are the Type CH portable recorders which are listed below.

FEATURES

- Continuous inking.
- Double-speed chart drive (3 inches per hour and 3 inches per minute).
- Fast response time.
- Large disposable ink well and self-aligning platinum-irridium pen tip.

VOLTAGE RECORDERS, A-C



Portable recorder, Type CH-3 or 4

SPECIFICATIONS

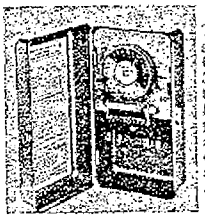
Accuracy: ±1% of each range.
Response Time: 3/4 second.
Ranges: 0-75/150/300/600/750 volts.
Scale: 0-150 a-c volts.
Chart Drive: Double-speed, synchronous motor, 120 volts, 60 cycles.

Model 8CH4VAB200.....Each $602.34
Accuracy: ±0.4% each range.
Response Time: 0.4 seconds for 15% voltage change.
Ranges: 0-90 to 130 volts (90 to 130 is approximately 90% of scale length).
Scale: 0-90 to 130 a-c volts.
Chart Drive: Double-speed, synchronous motor, 120 volts, 60 cycles.

Model 8CH3VY26.....Each $623.62

For higher voltage, use portable potential transformer. Example: 240-480/120V, accuracy 0.3%, Cat. No. 760X31G4.... $158.10 Each.

TORK TIME CONTROLS
ASTRONOMICAL DIAL TYPE

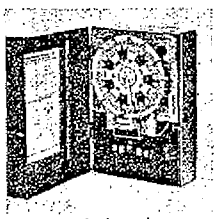


Completely pre-set. Turns ON automatically at sunset in city of use. OFF time — 8:30 PM to 3:30 AM or at sunrise. Entirely mechanical. Ideal for signs, show windows, parking lots, etc. Positive assurance ON time will occur when needed. No re-setting necessary. Can skip selected days. Shipping weight, 4 lbs.

Model No.	Switch	Amps. per Pole	Each
7100Z	SPST	40	$22.75
7200Z	DPST	40	23.08
7300Z	3PST	40	32.18
7120Z	SPDT	40	23.08
7220Z	DPDT	40	39.00
TZ120*	SPDT	20	57.85
TZ200*	DPST	20	66.30
TZ300*	3PST	20	76.70

*Includes manual override 3-way switch, one per pole.
Above units available with reserve power.

7 DAY CALENDAR DIAL — W SERIES

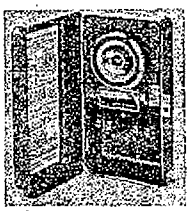


Dial revolves once a week permitting longer or shorter periods of operation for each individual day of the same week, as well as omitting any day. This is required in commercial applications where working hours vary from day-to-day such as stores and shopping centers. Includes all features of plain dial models. 7-day dial. Minimum setting, 1 hour. Shipping weight 11 lbs.

Model No.	Switch	Amps. per Pole	Each
W-100	SPST	40	$23.08
W-200	DPST	40	24.38
W-300	3PST	40	25.68
W-120	SPDT	40	24.38
W-220	DPDT	40	26.00
TW-120*	SPDT	20	52.65
TW-220*	DPDT	20	65.65
TW-300*	3PST	20	71.50

*Includes manual override 3-way switch, one per pole.
Above units available with reserve power.

TORK TIME SWITCHES
7000 SERIES



Turns any electrical circuit ON and OFF automatically each day. Available up to 3-pole 40 Ampere. Provided with week-end and holiday skip feature (skips 1 to 6 days). Skip feature does not have to be used. Switch operates every day unless set to skip selected days. Extra heavy-duty timing motor operates from -60° to +200°F. Fast, easy installation. "Quick-Out" feature enables instant removal of mechanism from enclosure without tools. K.O.'s on top of case as well as side, bottom. Lug type terminals take up to #6 wire without bending. Fully rated for incandescent lamp loads. Convenient manual operation any time without disturbing automatic settings. Minimum setting 20 minutes. Shipping weight 4 lbs. 120 volts, 60 cycle.

Model No.	Switch	Amps. per Pole	Each
7100	SPST	40	$13.98
7200	DPST	40	15.28
7300	3PST	40	24.05
7120	SPDT	40	15.28
7220	DPDT	40	26.00

Above units available with reserve power.

TORKMASTER SERIES



Similar to #7000 Standard Line. Twenty-four hour dial. Same ON-OFF time each day. Cannot skip selected days. Shipping weight 4 lbs.

Model No.	Switch	Amps. per Pole	Each
1191	SPST	40	$10.69
1962	DPST	40	11.99
1-1962	DPST	40	12.64

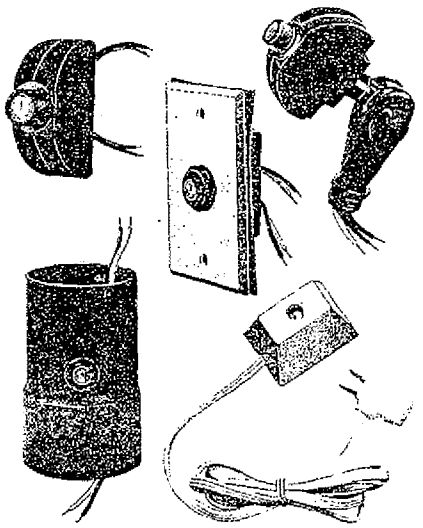
TORK TIME SWITCHES
INTERMITTENT PROGRAM TYPE



For control of ventilating fans, pumps, program heating, poultry feeding, irrigation, traffic signals and special applications. 96 tabs on 24-hour dial permit 15-minute switch changes. Easily set by tilting tabs in or out by hand. When adjacent tabs are set alike switch remains ON or OFF as set. Up to 96 operations per day. Minimum ON or OFF time 15-minutes—maximum 23 hours, 45 minutes. Available with and without week-end skip features. Shipping weight 4 lbs.

Model No.	Switch	Description	Each
8001	SPDT	Daily Operation	$21.78
8007SK	SPDT	Skips Selected Days	25.68
60M8001	SPDT	One-Hour Dial	20.80

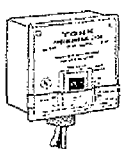
3000 SERIES PHOTOCONTROLS



Cat. No.	Description	Switch	Volts	Each
	750 Watts			
3000	Flush Mount	SPST	120	$6.47
3010	Flush Mount w/Plate	SPST	120	7.12
3020	2-Way Adj. Swivel	SPST	120	7.77
3030	Post Lantern Sleeve	SPST	120	7.77
3040	Portable Plug-In	SPST	120	7.12

2000 SERIES PHOTOCONTROLS





Cat. No.	Switch	Volts	Watts	Each
	Conduit Wired Models			
2100	SPST	120	1000	$ 9.07
2102	SPST	208-277	1000	10.40
2120	SPDT	120	1000	16.25
2122	SPDT	208-277	1000	17.55
	Turn-Lock Models			
2003	SPST	120	1000	9.75
2004	SPST	208-277	1000	9.75
2005	SPST	120	1000	11.05
2008	SPST	480	1000	22.10

HONEYWELL ELECTRIC HEATING THERMOSTAT

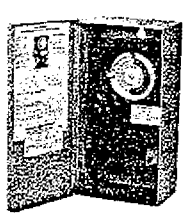


For low-voltage control. Must be used in combination with one (or two for greater capacity) R841 relays for switching power to the heaters being controlled. Gives highly accurate control for general low-voltage system use.

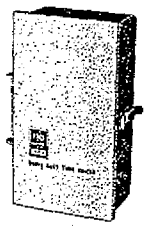
No.	Description	Each
T87F1859	Thermostat SPDT 40° — 90°F.	$13.20

GENERAL ELECTRIC CR121 GENERAL PURPOSE TIME SWITCHES

These types of time switches may be used for: Control of — Street lighting — Sign lighting — Store-window lighting — Floor lighting — Pumps — Irrigation valves — Protective night alarm systems, etc.



Type AA
Surface Mounted



Type CA
With Cover Closed

CR121 TYPE A INDOOR TIME SWITCHES

Time Switch in Single Case, Surface-Mounted
Standard Ratings
40 Amp./240 Volts Max.

Motor Volts A-c	Contract Arrangement Pole	Throw	Plain Dial (24 Hours) W/o Omitting Device	Each*	With Omitting Device	Each*
			60 Hertz Models			
			CR121-		CR121-	
120	1	1	AA01	$10.69	AA31	$13.94
120	1	1	AA73	11.99	AA74	15.24
240	1	1	AA11	11.34	AA41	14.59
120	1	2	AA02	11.99	AA32	15.24
240	1	2	AA12	12.64	AA42	15.89
120	2	1	AA03	11.99	AA33	15.24
240	2	1	AA13	12.64	AA43	15.89
120	2 Circuits		AA71	12.64	.....	.....
240	Separate OFF		AA72	13.29	.....	.....

*Basic switch includes one ON tripper and one OFF tripper; omit device includes three day-omit screws.
Portable models with case and line cord with male plug and female receptacle.
Poultry house time switch with 2 circuits and separate OFF for twilight period.

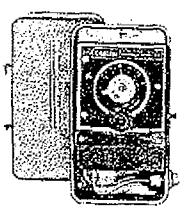
CR121 TYPE C INDOOR/OUTDOOR TIME SWITCHES

Standard Ratings—40 Amp./240 Volts Max.
(DPDT 35 Amp.)

Motor Volts A-c	Contract Arrangement Pole	Throw	Plain Dial (24 Hours) W/o Omitting Device	Each*	With Omitting Device	Each*
			60 Hertz Models			
			CR121-		CR121-	
120	1	1	CA01	$25.32	CA31	$28.57
240	1	1	CA11	25.97	CA41	29.22
120	1	2	CA02	26.62	CA32	29.87
240	1	2	CA12	27.27	CA42	30.52
120	2	1	CA03	26.62	CA33	29.87
240	2	1	CA13	27.27	CA43	30.52
120	2	2	CA04	27.92	CA34	31.17
240	2	2	CA14	28.57	CA44	31.82

*Basic switch includes one ON tripper and one OFF tripper; omit device includes three day-omit screws.

CR121FA SIGN TIME SWITCHES



Specifically designed to provide carefree automatic timing control for tungsten loads up to 240 volts ac, 40 amperes. The single-pole, single-throw switch is controlled by a photoelectric cell, which may be mounted in the enclosure, or separately, depending on the application.

CR121FA will turn lights on at sundown and turn them off at any preset time between 8:30 PM and 2:00 AM, local civil time.

Ratings: Normally Open, 40 Amp., Tungsten Load @ 240 VAC Max.

Motor Voltage	Frequency/Hertz	Nomenclature	Each
120	60	CR121FA22	$44.20
208	60	CR121FA34	45.50
240	60	CR121FA42	44.85
277	60	CR121FA23	46.80

INTERMATIC TIME SWITCHES

STANDARD SERIES T100



General-purpose, 24-hour time switch, ideal for defrosting, night lights, signs, pumps and motors. Permits up to 12 "on-off" operations per day. Drawn steel case, 7¾" h, 5" w, 3" d, gray hammertone finish. UL and CSA approved.

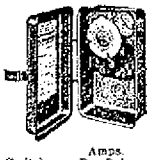
"SKIPPER" SERIES T170

Same as Series T100, plus additional 7 day dial that allows skipping of operations on selected days of the week.

Switch	Amps. Per Pole	Volts 60 Cy.	Series T100 Model No.	Each	Series T170 Model No.	Each
SPST	40	125	T101	$10.69	T171	$13.94
SPST	40	250	T102	11.34	T172	14.59
DPST	40	125	T103	11.99	T173	15.24
DPST	40	250	T104	12.64	T174	15.89
SPDT	40	125	—	.....	T175	15.24
SPDT	40	250	—	.....	T176	15.89
SPST	10	125	P101*	11.99	P171*	15.24

*Portable Plug-in Models.

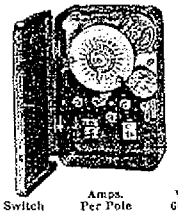
HEAVY DUTY 55 AMP. SERIES T500-R



Rugged, heavy-duty time switches. Handles 27,500 watts tungsten, or motor loads to 2 HP. Skipper dial for omitting operations on selected days. Drawn steel raintight case, 9⅝" h, 6½" w, 3⅞" d. UL and CSA approved.

Switch	Amps. Per Pole	Volts 60 Cy.	Series T500R Model Nos.	Each
DPST	55	125	T573-R	$24.02
DPST	55	250	T574-R	24.67

THREE POLE SERIES AT 1300-R



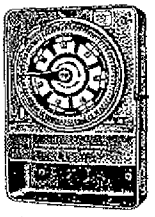
Simultaneous operation of 3 single phase circuits or one 3-phase circuit. Up to 12 "on-off" operations per day. Skipper dial, drawn steel raintight case, 9⅝" h, 6½" w, 3⅞" d, gray rust proof finish. UL and CSA approved.

Switch	Amps. Per Pole	Volts 60 Cy	Model No.	Each
3PST	40	125	AT1371-R	$24.02
3PST	40	250	AT1372-R	24.67
3PST	40	277	AT1371C-R	27.27
3PST	40	480	AT1371E-R	30.52

PARAGON® TIME CONTROLS

MULTI-PURPOSE, 7-DAY CALENDAR DIAL

7000 SERIES



The ultimate for all heating, ventilating and air-conditioning applications. 40 amp. per pole non-inductive load. The 7000 Series allows automatic ON-OFF operation at different hours each day if desired. Any day or days can be entirely omitted. Settings can be made a week in advance and changed if necessary. 4-pole construction allows the same control to be used for all switching combinations.

Indoor case.

Operations: Up to 28 ON-OFF operations per week or 4 ON-OFF operations per day. Completely adjustable. 3-hour minimum between operations.

Available with Spring Wound Carry-Over. Keeps preset schedules ON time for a minimum of 10 hours during power failure.

Dimensions: 7000 Series—10⅞" high, 7⅞" wide, 3⅝" deep. 7200 Series (Carry-Over Model) — 11⅞" high, 7⅞" wide, 4⅜" deep.

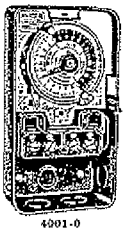
Finish: Grey case, black and silver dial.

Model	Volts 60C	Each
7007-0	120	$24.02
7007-20	208–240	24.67
	Both 4PST — 4NO — 40 Amp. T-Rated	
7008-0	120	24.02
7008-20	208–240	24.67
	Both 4 Pole — 2NO-2NC — 40 Amp.	

PARAGON® TIME CONTROLS

40 AMP. T-RATED TIME SWITCHES

4000 Series



4001-0

The ideal switch for use on all lighting applications, incandescent or neon, pumps, blowers, etc. and many other industrial and central station uses. Compact case measures only 7⅛"x4⅜"x 2⅛". Quick-set dial — easy-add dial trippers. Spring clutch. Molded terminal blocks — king size terminal screws. Heavy-duty timing motor — sealed-in mechanism and lubricated for life.

Operations: Up to 14 (7 "on" — 7 "off") operations per day. Two trippers furnished as standard.

Cat. No.	Switch	Volts 60 Cyc.	T-Rated Amps.	Each
		Indoor—Regular Duty		
*4001-0	SPST	120	40	$10.69
4003-0	DPST	120	40	11.99
4004-20	DPST	208–240	40	12.64
		Indoor — Regular Duty — Skip-A-Day		
4003-0S	DPST	120	40	15.24
4004-20S	DPST	208–240	40	15.89
4005-0S	SPDT	120	40	15.24
4006-20S	SPDT	208–240	40	15.89
4007-6S	SPDT	24	40	16.54
		Outdoor — With Skip-A-Day		
4013-0S	DPST	120	40	21.74
4014-20S	DPST	208–240	40	22.39
		Indoor—Astro Dial®— Skip-A-Day		
4003-0SZ	DPST	120	40	23.04
4004-20SZ	DPST	208–240	40	23.69
4005-0SZ	SPDT	120	40	23.04
4006-20SZ	SPDT	208–240	40	23.69
		Outdoor — With Astro Dial® and Skip-A-Day		
4013-0SZ	DPST	120	40	29.54
4014-20SZ	DPST	208–240	40	30.19
4015-0SZ	SPDT	120	40	29.54
4016-20SZ	SPDT	208–240	40	30.19

*When ordering with independent timing motor circuit, add suffix "V". This is standard on all other models in this series.

24-HOUR, 4-POLE, 40 AMP., T-RATED ASTRO DIAL®, SKIP-A-DAY



47010 Series
Indoor-Outdoor Case

Available with Spring Wound Carry-Over. Maintains preset schedules for a minimum of 10 hours during power failure. Unequaled in load-carrying capacity.

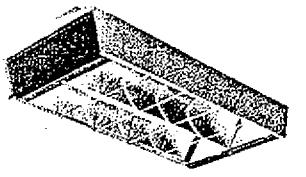
Dimensions: 11⅞" high, 7⅞" wide, 4⅜" deep.
Finish: Grey case, red and white dial.

Model	Volts 60C	Each
	With Skip-A-Day	
47017-0S	120	$24.34
47017-20S	208–240	24.99
	Both 4PST — 4NO — 40 Amp. T-Rated Per Pole	
	With Skip-A-Day and Astro Dial®	
47017-0SZ	120	32.14
47017-20SZ	208–240	32.79
	Both 4PST — 4NO — 40 Amp. T-Rated Per Pole	

LUMINATOR ELECTRIC INFRARED HEATERS

Including two Type T3/7 tubular infrared quartz lamps. UL Listed.

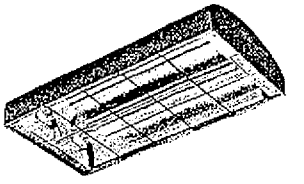
FOR INDOOR OR PROTECTED OUTDOOR INSTALLATION



20 ga. steel housing. Aluminum one-piece 18 ga. anodized reflector. Uses push-pull type lamp and sockets. Top wireway channel furnished and mounted first. Unit easily hooks into place; wire connections made and unit then swung into final position. Louvers available.

Cat. No.	Reflector	Watts	Volts	Lgth. In.	Each**
LH870	90°	1000	120	13	$53.90
LH880	60°	1000	120	13	53.90
LH890	60°*	1000	120	13	53.90
LH876	90°	5000	480	33	81.70
LH886	60°	5000	480	33	81.70
LH896	60°*	5000	480	33	81.70
LH878	90°	3200	208–277	24	67.55
LH888	60°	3200	208 277	24	67.55
LH898	60°*	3200	208–277	24	67.55

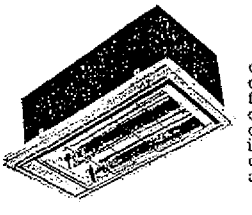
FOR OUTDOOR INSTALLATIONS



All-aluminum. Beige hammertone, baked-on. Uses push-pull type lamp and sockets. One-piece reflector. Louvers available.

Cat. No.	Reflector	Watts	Volts	Lgth. In.	Each**
LH740	90°	1000	120	11	$57.60
LH750	60°	1000	120	11	57.60
LH760	60°*	1000	120	11	57.60
LH746	90°	5000	480	31	96.05
LH756	60°	5000	480	31	96.05
LH766	60°*	5000	480	31	96.05
LH748	90°	3200	208–277	22	78.70
LH758	60°	3200	208–277	22	78.70
LH768	60°*	3200	208–277	22	78.70

RECESSED UNITS



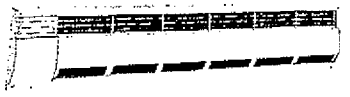
UL approved kit consisting of outdoor fixture plus frame plus box. Accepted by all local codes for recessed installations in marquees, etc., inside and outside.

Cat. No.	Reflector	Watts	Volts	Lgth. In.	Each**
LH848	90°	3200	208–277	27¾	$115.35
LH858	60°	3200	208–277	27¾	115.35
LH868	60°*	3200	208–277	27¾	115.35
LH846	90°	5000	480	36¾	143.85
LH856	60°	5000	480	36¾	143.85
LH866	60°*	5000	480	36¾	143.85

*Asymmetric. **Price includes lamps. Red filter lamps vent sleeves, special models, gold reflectors and 30° reflectors also available.
†These models can operate at 208, 240 and 277 volts.

ELECTROMODE HEATING

BASEBOARD HEATERS



This clean, safe, decorative and automatic heated provides perimeter heating at its flameless best. Heater is pre-wired, has a built-in connection box with ample, strategically located knock-outs, and a grille and front plate which are easily removed. Cast aluminum heating grid in heater meets all U.L. and N.E.M.A. safety requirements. Elimination of moving parts in heater provides for smooth, quiet operation. Finished with a baked-on epoxy neutral Mist Gray.

Cat. No.	Model No.	Length In.	Watts	Volts	BTU	Each
		Deluxe 8950 Series				
8950	B-5	36	500	120	1707	$25.70
8950-A	B-5	36	500	240	1707	25.70
8950-B	B-5	36	500	208	1707	25.70
8950-C	B-7	52	750	120	2560	32.60
8950-D	B-7	52	750	240	2560	32.60
8950-E	B-7	52	750	208	2560	32.60
8950-F	B-10	68	1000	120	3415	41.90
8950-G	B-10	68	1000	240	3415	41.90
8950-H	B-10	68	1000	208	3415	41.90
8950-J	B-15	100	1500	120	5120	56.10
8950-K	B-15	100	1500	240	5120	56.10
8950-L	B-15	100	1500	208	5120	56.10
8950-M	B-5	36	500	277	1707	25.70
8950-N	B-7	52	750	277	2560	32.60
8950-P	B-10	68	1000	277	3415	41.90
8950-Q	B-15	100	1500	277	5120	56.10
		8960 Series				
8960	B-6	36	650	120	2219	26.50
8960-A	B-6	36	650	240	2219	26.50
8960-B	B-6	36	650	208	2219	26.50
8960-C	B-10	52	1000	120	3415	33.40
8960-D	B-10	52	1000	240	3415	33.40
8960-E	B-10	52	1000	208	3415	33.40
8960-F	B-13	68	1300	120	4439	42.80
8960-G	B-13	68	1300	240	4439	42.80
8960-H	B-13	68	1300	208	4439	42.80
8960-J	B-20	100	2000	120	6830	56.50
8960-K	B-20	100	2000	240	6830	56.50
8960-L	B-20	100	2000	208	6830	56.50
8960-M	B-6	36	650	277	2219	26.50
8960-N	B-10	52	1000	277	3415	33.40
8960-P	B-13	68	1300	277	4439	42.80
8960-Q	B-20	100	2000	277	6830	56.50

Size: 7½" high, 3⅛" depth.

QUARTZONE TUBE ELECTRIC HEATERS



Controlled, economical area heating indoors or outdoors. Designed so that the infra-red rays emitted from the Quartzone Tube may be directed to a specific area. Has great utility in industry for keeping people warm in exposed areas. Also used for spot heating, drying, food warming. This heater can be controlled by simple on-off switch, time switch or thermostat.

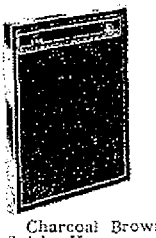
Made with a louvered, weatherproof housing, bonderized and finished in golden-bronze. The inside of the heater is finished with highly reflective aluminum, and is designed to direct rays over a rectangular area. The heaters are supplied with universal brackets for chain suspension or for bolting to ceiling and wall brackets. Heater is equipped with a chrome plated guard, easily removed for cleaning.

Cat. No.	Model No.	Watts	Volts	Shpg. Wt. Lbs.	Each	Replacement Tube No.
		36" Long				
8350	RT-10	1000	120	13	$31.50	8365-A
8350-A	RT-10	1000	240	13	31.50	8365-B
8350-B	RT-10	1000	208	13	31.50	8365-H
8351	RT-15	1500	120	13	33.15	8365-C
8351-A	RT-15	1500	240	13	33.15	8365-D
8351-B	RT-15	1500	208	13	33.15	8365-J
8352-A	RT-20	2000	240	13	34.50	8365-E
8352-B	RT-20	2000	208	13	34.50	8365-K
8352-C	RT-20	2000	480	13	34.50	8365-N
		61" Long				
8353-A	RT-30	3000	240	18	44.60	8366-A
8353-B	RT-30	3000	208	18	44.60	8366-E
8353-C	RT-30	3000	480	18	44.60	8366-J
8354-A	RT-40	4000	240	18	48.25	8366-B
8354-B	RT-40	4000	208	18	48.25	8366-F
8354-C	RT-40	4000	480	18	48.25	8366-K

All heaters 5⅛" wide by 5" high.

DOWN-FLO WALL HEATERS

Recessed Model



For large rooms, foyers, entrances and other areas requiring electric heaters in the 1.5 to 4 kilowatt range.

Has exclusive cast aluminum heating grid, precision hydraulic action thermostat, fan delay switch and thermal limit safety switch.

The "Down-Flo" principle of warm air circulation results in a more uniform, comfortable temperature throughout a room or area without drafts.

Charcoal Brown and brushed satin aluminum finish. Heavy gauge steel construction.

Cat. No.	Model No.	Watts	Volts	BTU	Shpg. Wt. Lbs.	Each
		Manual Control				
4990	W-15	1500	120	5122	16	$47.20
4990-A	W-15	1500	240	5122	16	47.20
4990-F	W-20	2000	240	6830	16	50.10
4990-H	W-30	3000	240	10245	29	58.20
4990-R	W-40	4000	240	13660	29	64.80
		Automatic Control				
4990-S	WA-15	1500	120	5122	16	53.80
4990-T	WA-15	1500	240	5122	16	53.80
4990-M	WA-20	2000	240	6830	16	56.80
4990-N	WA-30	3000	240	10245	29	71.50
4990-W	WA-40	4000	240	13660	29	78.10

WALL MODEL ELECTRIC BATHROOM HEATERS

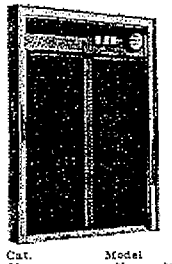


Frame assembly is finished in Satin Anodized Aluminum. Comes fully equipped including terminal block. Whisper quiet fan circulates ample warmth throughout any standard bathroom area in an instant.

Motor is equipped with oil impregnated bronze bearings. Exclusive Aluminum Heat Grid provides basic source of heat.

Wall box opening: 14⅞" high, 11¼" wide, 3¾" deep. Front Plate: 16¼" high, 13" wide, extends 1⅛" from wall.

Cat. No.	Model No.	Watts	Volts	BTU	Shpg. Wt. Lbs.	Each
		Manual Control				
8750	WJ-12	1250	120	4269	13	$34.70
		Automatic Control				
8751	WJA-12	1250	120	4269	13	38.20



WALL MODEL HEAVY DUTY SMALL ROOM HEATERS

Wall box opening: 14⅞" high, 11¼" wide, 3¾" deep.

Front plate: 16¾" high, 13" wide, extends 1⅛" from wall.

Finish: Polished Satin Aluminum.

Cat. No.	Model No.	Watts	Volts	BTU	Shpg. Wt.	Each
		Manual Control				
8755	WJ-12	1250	120	4269	15	$40.40
8755-A	WJ-12	1250	240	4269	15	41.00
8755-B	WJ-12	1250	208	4269	15	41.00
		Automatic Control				
8756	WJA-12	1250	120	4269	15	51.50
8756-A	WJA-12	1250	240	4269	15	53.20
8756-B	WJA-12	1250	208	4269	15	53.20

PORTABLE ELECTRIC HEATERS



Forced-air heaters designed to circulate warm air for comfortable distribution at floor level. Thermostat controlled.

Wires are installed and fully sealed inside a finned aluminum casting; no open wires or glowing elements.

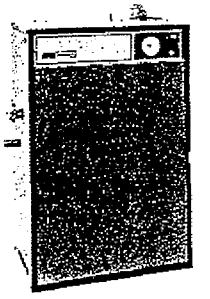
Thermal limit switch automatically cuts off electric power if air flow is blocked, thus preventing dangerous overheating.

120 V. models are 20 x 13-1/4 x 5-3/4 inches, 240 V. models are 24 x 16-1/2 x 5-3/4 inches. Finish: Charcoal brown and brushed satin aluminum.

No.	Watts	Volts	Btuh.	Ship. Wt. Lb.	Each
5995-H	1500	120	5122	18	$39.70
5995-J	3000	240	10245	37	74.70
5995-K	4000	240	13660	37	81.15

ELECTRIC HYDRONIC HEATING UNITS

Model E-4—Wall Hanging



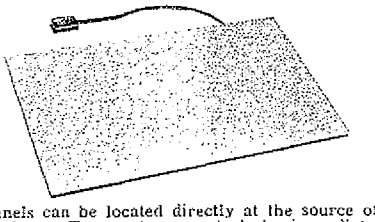
Hot water heating unit for wall hanging in homes, offices, motels, hospitals, etc.

All components are included in one cabinet: sequence controller, heating generator, circulating pump, expansion tank, automatic air vent, pressure relief valve, temperature/pressure gauge, pump switch, circuit breaker, heating elements, control relay, transformer, terminal block, high-low limit control. Cabinet measures approximately 12" D x 30" H x 20" W.

Cat. No.	Watts @ 240V.	Gross BTU/ Hr.	Amp. Cir. #1	Amp. Cir. #2	Each
9505	5000	17065	22.1	.....	$379.60
9510	10000	34130	42.9	.....	396.50
9515	14000	51195	63.7	.....	413.40
9520	20000	68260	84.6	.....	430.30
9525	25000	85325	54.8	54.1	461.50
9530	30000	102390	63.8	62.5	481.00
9535	35000	119455	74.2	72.9	498.00
9540	40000	136520	84.6	83.3	517.40

RADIANT HEATING PANELS

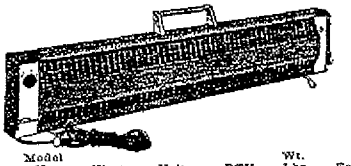
For Ceiling and Wall Installation



Panels can be located directly at the source of heat loss. Temperature control is immediate. Warmth is radiated directly from the panel to the people and objects within the room. Blanket-type element has no wires to burn out and is protected with dual sheets of electrical insulation. Finish is white. Shipping weight, 25 lbs.

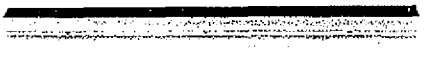
Cat. No.	Model No.	Watts	Volts	BTU	Each
3490	CP-5	500 500 375	120 240 208	1706 1706 1280	$38.30
3490-Y	CP-5	500	277	1706	38.30

MODEL PB-10 SLIMLINE PORTABLE HEATER



Cat. No.	Model No.	Watts	Volts	BTU	Wt. Lbs.	Each
8799	PB-10	1000	120	3415	12	$ 26.70

DRAFT BARRIER HEATERS



For installation under windows to stop downdrafts. Built-in thermostat is optional. 3" high, 2" deep. Finished in charcoal brown with anodized aluminum front plate.

Cat. No.	Model	Lgth. In.	Watts	Amps.	BTU	Each
		Surface Mounted — 240 Volts				
7363	DBS-3	36	300†	1.2	1023	$21.75
7364	DBS-4	48	400	1.6	1365	25.00
7365	DBS-5	60	500	2.1	1705	28.90

The following variations are available for the above basic heaters. Add suffix letter to base catalog number.

A—designates Built-in Tamper-proof Thermostat, add $9.30.

L—designates 120V heater; V—designates 208V heater; Y—designates 277V heater (not available in 300 watt heater).

†240V heater rated 335 watts.

CHROMALOX ELECTRIC BASEBOARD HEATERS

BB-A AND BB-B BASEBOARD HEATERS



Safe, efficient Chromalox wrapped-fin heating element. Gentle warmth provided automatically. Heavy-duty steel construction. Continuous linear thermal cutout prevents overheating. Heater can be mounted without removing cover. Integral junction boxes form end caps and provide for wiring at either end. Front and back baffles removable as one piece.

Compact size and design — only 6" high x 2⅛" deep. Coral Tan baked-on enamel. Can be painted to match any color.

UL labeled and NEMA verified.

120, 208, 240 or 277‡ Volts (Specify)

Cat. No.	BTU	Watts	Length Feet	Shpg. Wt. Lbs.	Each
BB-A-3L	2560	750	3	13	$16.90
BB-A-4L	3413	1000	4	15	21.15
BB-A-6L	5130	1500	6	22	31.20
BB-A-8L	6840	2000	8	29	38.90
BB-B-3L	1707	500	3	13	16.90
BB-B-4L	2218	650	4	15	21.15
BB-B-6L	3420	1000	6	22	31.20
BB-B-8L	4446	1300	8	29	38.90

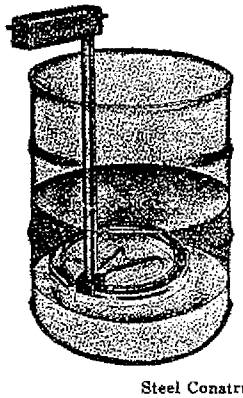
‡Add prefix "T" for integral thermostat, i.e. BBT-A-6L etc.

BB-A AND BB-B ACCESSORIES

Cat. No.	Description	Each
BB-AC-1	Splice Plate	$ .45
BB-AC-2	Inside Corner	2.20
	Thermostat Sections	
BB-AC-3	SPST (2500 at 120)	9.85
BB-AC-3D	DPST (5000 at 240)	11.80
BB-AC-3R	SPST (with outlets)	11.40
BB-AC-3RD	DPST (with outlets	13.30
	Outlet Section	
BB-AC-4	W/o Thermostat	4.95
	Blank Section	
BB-AC-8B	4 Foot	8.45
	Control Sections	
BB-AC-6	W/Receptacle, 120 or 240V.	7.80
BB-AC-6T	W/SPST Thermostat 120 or 240V.	13.10
BB-AC-6TD	W/DPST Thermostat 120 or 240V.	14.35
BB-AC-7	W/SPST Relay, 240V.	15.85

CHROMALOX IMMERSION HEATERS

TYPE KBLC-2 BLADE TYPE DRUM HEATERS



Specially designed for melting coconut oil, lard, etc., packed in drums. Remove head of drum and allow heater to melt its way down through the contents. Complete with braces for additional strength. Stainless steel heaters are completely constructed of stainless steel, except for steel terminal box, covered with acid and heat resistant paint.

Height 36".

Steel Conatruction

Cat. No.	Watts	Volts	Minimum Clearance Opening Inches	List† Each Without Thermostat	List† Each With AR Thermostat
KBLC-22	1100	120 or 240	11	$91.50	$124.75
KBLC-23	1650	120 or 240	11	97.95	129.95
KBLC-24	2200	120 or 240	12¾	102.00	134.90
KBLC-25	2750	120 or 240	13⅝	105.00	138.25
KBLC-26	3300	120 or 240	15¾	111.50	145.90
KBLC-28	4400	240 Only	17¾	121.90	156.25

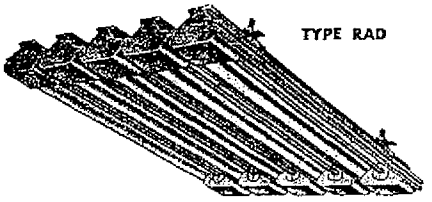
Stainlesa Steel Construction

KBLS-244	2200	120 or 240	12¾	147.90	198.25
KBLS-255	2750	120 or 240	13⅝	155.60	205.50
KBLS-266	3300	120 or 240	15¾	162.00	214.00
KBLS-288	4400	240 Only	17¾	176.50	227.80

†Prices shown are List Prices. Contact Graybar for discounts

CHROMALOX RADIANT HEATERS

TYPE RAD

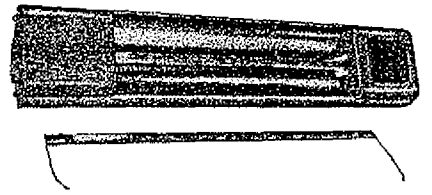


Heat source is a Chromalox enclosed tubular element, alloy sheathed and with triangular cross-section, located at the focus of a parabolic reflector and mounted on secondary insulating bushings to withstand high voltage. Aluminum reflector is held in an all-metal housing. Sliding steel clamps can be positioned anywhere along the heater length. Connectors and mounting clamp assemblies are furnished.

Cat. No.	Watts	Overall Lgth. In.	Heated Lgth. In.	List† Each Std. Voltage	208V. or 276V.
		120 or 240 Volts			
RAD-2083	800	24⅜	16½	$31.55	$34.75
RAD-3113	1100	30⅝	22¾	35.20	38.85
		240 or 480 Volts			
RAD-4183	1800	46⅝	38½	46.95	49.30
RAD-5253	2500	61⅞	53⅜	58.80	61.70
RAD-6303	3000	73¾	65¾	66.10	69.35
RAD-7363	3600	85¾	78	73.35	77.10

†Prices shown are List Prices. Contact Graybar for discounts

TYPE QR HIGH INTENSITY QUARTZ RADIANT HEATERS



Type T-3 Quartz element is mounted on special porcelain at the focus of parabolic aluminum housing, to direct rather uniform radiation outward. Housing has tapped opening for power connections to each end. Mounted like RAD heaters.

Designed for use as personnel comfort heaters and for industrial heating purposes. This high intensity heater, producing 100 watts output per lineal-inch of heated length, may be operated in banks facing-up, down or sideways, but the element must be mounted in a horizontal position. Heater produces both near-infrared and far-infrared radiation, absorbed by surfaces of most colors.

Cat. No.	Watts	Volts	Length, In. Overall	Length, In. Heated	Net Wt. Lbs.	List† Each
QR-50†	500	120	13⅛	5	4	$33.00
QR-510†	500	120	13⅛	5	4	39.25*
QR-100†	1000	240	18⅛	10	6	38.70
QR-1010	1000	240	18⅛	10	6	47.40ø
QR-160†	1600	240	24⅛	16	7	46.15
QR-1610	1600	240	24⅛	16	7	55.50
QR-250†	2500	480	33⅛	25	8	59.30
QR-250	2500	600	33⅛	25	8	59.30
QR-380	3800	600	45⅛	38	13	76.65

†Stock — all others three weeks.

*Includes 6" BX and 2-prong plug.

øIncludes 6" BX and Polarized plug.

When Ordering—Specify quantity, catalog number, volts and watts.

†Prices shown are List Prices. Contact Graybar for discounts

CHROMALOX THERMOSTATS TYPES WR-80 AND WR-90



Control room temperature by automatically turning electric heater off when desired temperature is reached. Can be used to control heater within thermostat rating. WR-80 has range of 40° to 80° F and has finer appearance for residential use. WR-90 has range of 20° to 90° F. Both have capacity of 3000-watts at 120-volts A.C. WR-80 is rated 5280 watts and WR-90 is 4800 watts at 240-volts A.C. For higher ratings use magnetic contactor.

Type WR thermostat should be wall-mounted (inside wall) 4 or 5 feet above the floor. Contacts open or close with a 3 degree temperature change.

WR-80 or WR-90 Thermostat.....each $15.55

CHROMALOX LOW VOLTAGE THERMOSTATS



Range: 45°F. to 85°F.
Differential: Adjustable ½°F. to 2°F.
Electrical Rating: 30 volts A.C. Max.
Adjustable Heat Anticipator: .2 to 1.0 amps.

No. WK-1E30 .....each $6.50

CHROMALOX FAR-INFRARED ELECTRIC COMFORT HEATERS



Decorative ceiling-type mounting for stores, bowling alleys, offices and other commercial uses.

Heating element is a totally enclosed, refractory insulated Chromalox Tubular element. The element housing is a specially designed rigid aluminum extrusion; the reflector is highly polished aluminum designed for easy access and removal from the face side. Fixture stems provide minimum 12" spacing below combustible ceiling; each stem has canopy and fixture for attachment to standard conduit box.

Stainless steel grille for protection against accidental contact is shipped as standard equipment on each heater. UL listed.

Cat. No.	Length, In. Heated	Length, In. Overall	Watts	Each
	120, 208, 240 Volts			
SKR-2083	16½	24⅜	800	$34.85
SKR-3113	22¾	30⅝	1100	41.20
	208, 240, 275 Volts			
SKR-4183	38½	46⅝	1800	47.95
	208, 240, 275, 480 Volts			
SKR-5253	53⅜	61⅞	2500	57.70
SKR-6303	65¾	73¾	3000	60.00
SKR-7363	78	85¾	3600	62.85

Underwriters' listing applies to Type SKR Heaters installed with these minimum spacings: 12" from ceiling as provided with fixture stems, six feet from floor, and 24" from walls.

CHROMALOX P'RIM-TRIM DRAFT BARRIER HEATER



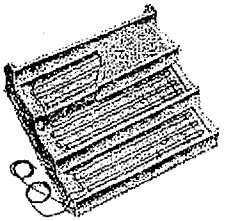
Gentle warmth at window area overcomes immediate heat loss for more even comfort, without drafts. P'rim-Trim is extremely compact — hugs the window like a molding — only 4' long, 3" high, 1¼" deep. Continuous linear thermal cutout. Design allows for right or left hand wiring with entry back or end. Units may be individually mounted or adjoining.

120 or 240 Volts (Specify)

Cat. No.	Watts	BTU/HR	Std. Pkg.	Wt. Lbs. Std. Pkg.	Each
WB-4L	400	1368	6	30	$14.05
WB-AC-1	Inside Corner	2	3		2.20

CHROMALOX HEATING CABLE

STEP HEATING CABLE MATS

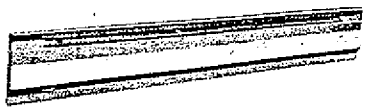


This ready-to-install assembly is designed especially for imbedding in concrete steps to clear snow and ice from this hazardous area. The two-step and three-step mats can be combined for four or more steps. Or use on landings by closing space between heated sections. Each mat has 10' lead wire and 10' ground wire, each with ends stripped. All are Underwriters' Laboratories listed for snow-melting.

Cat. No.	Volts	Watts	Watts Per Sq. Ft.	No. Steps	Each
TWSTP-2-3-1-56	120	224	56	2	$13.40
TWSTP-2-3-2-56	240	224	56	2	13.40
TWSTP-2-3-7-56	277	224	56	2	13.40
TWSTP-2-3-8-56	208	224	56	2	13.40
TWSTP-3-3-1-56	120	336	56	3	17.40
TWSTP-3-3-2-56	240	336	56	3	17.40
TWSTP-3-3-7-56	277	336	56	3	17.40
TWSTP-3-3-8-56	208	336	56	3	17.40

FEDERAL PACIFIC ELECTRIC HEATING

BASEBOARD HEATERS

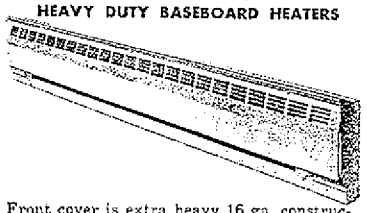


Save 25% on installation costs. Mount baseboards without expensive disassembly time. Work within a 50% larger terminal box. Has 15% more fin area for even cooler operation. Floating suspension and nylon "silencers" bushings allow expansion and contraction of heating unit without metal stress. Reduces noise, eliminates call backs.

240V. Nos.	Lgth. Ft.	BTU/Hr. Output	Watts	Each
BQ205X	2	1706	500	$16.90
BQ307X	3	2559	750	20.80
BQ410X	4	3412	1000	24.30
BQ512X	5	4265	1250	29.10
BQ615X	6	5118	1500	33.90
BQ820X	8	6824	2000	41.40
BQ1025X	10	8530	2500	49.80
BQ203X	2	1280	375	16.90
BQ305X	3	1876	550	20.80
BQ407X	4	2559	750	24.30
BQ509X	5	3070	935	29.10
BQ611X	6	3838	1125	33.90
BQ815X	8	5118	1500	41.40
BQ1018X	10	6398	1875	49.80

Also available in 120, 208 and 277 volt. Elements are guaranteed for life of buildings. Full details available upon request.

HEAVY DUTY BASEBOARD HEATERS



Front cover is extra heavy 16 ga. construction to withstand rough usage expected in areas such as factories, theaters, restaurants and churches.

240V. Nos.	Lgth. Ft.	BTU/Hr. Output	Watts	Each
HQ205X	2	1706	500	$18.25
HQ307X	3	2559	750	22.50
HQ410X	4	3412	1000	26.00
HQ512X	5	4265	1250	31.50
HQ615X	6	5118	1500	36.00
HQ820X	8	6824	2000	43.50
HQ1025X	10	8530	2500	54.50
HQ203X	2	1280	375	18.25
HQ305X	3	1876	550	22.50
HQ407X	4	2559	750	26.00
HQ509X	5	3070	900	31.50
HQ611X	6	3838	1125	36.00
HQ815X	8	5118	1500	43.50
HQ1018X	10	6398	1875	54.50

Also available in 120, 208 and 277 volt. Elements are guaranteed for life of buildings. Full details available upon request.

HEAVY DUTY
With "Fan Only" Switch

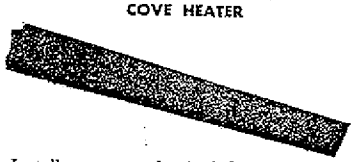


Fan-driven forced air heaters warm large areas quickly. Excellent for heating playrooms, hallways, entrance foyers, executive offices and stores.

240V. Nos.	Watts	BTU/Hr. Output	Each
FAS15	1500	5118	$49.15
FAS20	2000	6824	51.90
FAS30	3000	10240	60.00
FAS40	4000	13660	62.10

Also available in 208 and 277 volt.

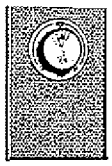
COVE HEATER



Installs up, up and out of the way near the ceiling. A perfect combination of all the advantages of infrared radiant heat plus convection heat.

110V. Nos.	Watts	Length Inches	BTU/Hr. Output	Each
CV45	450	42	1536	$21.00
CV60	600	60	2046	28.90
CV90	900	84	3072	35.70

DELUXE ELECTRIC HEATING THERMOSTATS



Attractive gold finish thermostats are extra-sensitive in detecting ambient temperatures. The temperature differential insures this. These controls are designed to prevent wasteful, uncomfortable overheating and eliminate chilling heat drops. Control range is 55°-85°F.

Nos.	Terminals	Temp. Differential At Full Load	Each
	Single Pole		
TW1	Screw	½° F.	6.50
TW1L	Wire Leads	½° F.	6.75
	Double Pole		
TW2	Screw	1° F.	8.10
TW2L	Wire Leads	1° F.	8.40

RADIANT CEILING PANELS

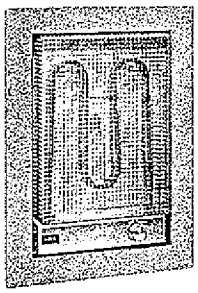


Excellent for rooms with large glass areas and little or no wall space. Heat is quietly radiated downward to eliminate chill with Sun Like Warmth.

2 Ft. x 4 Ft. and 2 Ft. x 6 Ft. panels for mounting in dropped T-Bar ceiling surface or recessed mounting.

Nos.	Volts	Watts	Each
RCP500	240	500	$32.10
RCP5004	208	500	32.10
RCP50027	277	500	32.10
RCP750	240	750	36.85
RCP7504	208	750	36.85
RCP75027	277	750	36.85

RADIANT WALL HEATERS
With Built-In Thermostats

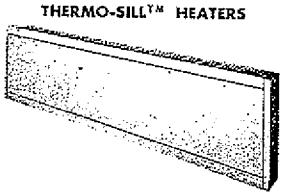


Only 2" deep, Radiant Wall Heaters may be surface mounted on finished walls in minutes to provide quick response comfort heating for bathrooms, dressing rooms, small playrooms and offices.

240V. Nos.	Watts	BTU/Hr. Output	Each
BW2407	750	2559	$12.80
BW2410	1000	3412	15.00

Also available in 120V.

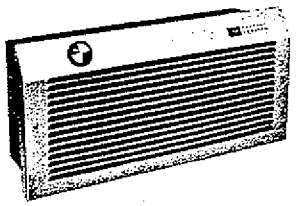
THERMO-SILL™ HEATERS



Off-the-floor, wall-mounted heaters used for silent, perimeter, convection heating of both large and small area.

Heaters available in 2 ft. to 8 ft. lengths and 3 frame sizes with wattages ranging from 140 w. per ft. to 750 w. per ft. Voltages 240, 208 and 277. Prices $40.00 to $125.00.

FA JUNIOR™ FORCED AIR WALL HEATERS

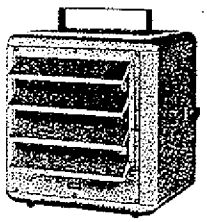


Compact size, giant in performance. Available with or without built-in thermostat.

240V. Nos.	Watts	BTU/Hr. Output	Each
	Without Thermostats		
FAJ15	1500	5118	$27.20
FAJ20	2000	6824	29.90
FAJ30	3000	10240	38.75
	With Thermostats		
FAJ15T	1500	5118	32.80
FAJ20T	2000	6824	35.40
FAJ30T	3000	10240	42.85

Also available in 208 volts and some models in 120 volts.

UNIT SUSPENSION HEATERS



Mounted from ceiling or wall these units are excellent for heating large indoor areas such as factories, warehouses, stores, garages, etc.

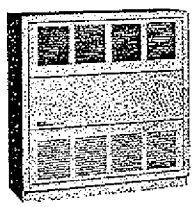
Units are available from 3 to 30 KW in 208, 240, 480 V.A.C. in either single or three phase supplies.

6 through 30 KW units are complete with built-in contactors and all heaters are protected with overheat cutout devices.

Units are available with thermostats and mounting brackets.

Prices $67.50 to $495.00.

CABINET UNIT HEATERS



Designed for floor, wall or ceiling mounting, surface or recessed. Available in four sizes from 2 to 24 KW with air deliveries from 250 to 1000 CFM.

Units are available with completely self-contained controls. They filter the air and have provisions for the introduction of outdoor ventilation air.

All units meet requirements for disconnect means and short circuit protection.

Prices $338.00 to $595.00.

FEDERAL SIGNALS

TYPE A SIREN



A long-time favorite for all purposes. Has quick pick-up to high mixmum pitch for contrast with industrial and traffic noises. Has ½ horsepower sound output at 150 watts. Complete with adjustable bracket and weatherproof housing. Choice of voltages includes 6, 12, 24, 48 and 120, for 25 to 60 hertz AC, or DC. Siren length, excluding bracket 11½"; diameter 10½". Net weight 13 lbs. Shipping weight 15 lbs.

Type A Siren .....each $ 72.50

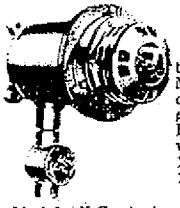
TYPE J SIREN

Similar to the type A but has heavy duty motor for severe services on cranes and other heavy industrial equipment. Choice of 120 or 240/250 volts, 25 to 60 hertz AC, or DC. Length 12". Diameter 11½". Net weight 15½ lbs. Shipping weight, 18 lbs.



Type J Siren .....each $ 85.00

MODEL AX EXPLOSION PROOF SIREN



Similar in sound output to the models A and J siren. Meets rigid Underwriters' specifications for use in Class I group D and Class II groups F & G hazardous locations, 120 volts only AC or DC. Length 10": Diameter 7". Net weight 16 lbs. Shipping weight 19 lbs.

Model AX Explosion-Proof Siren .....each $217.25

WARNING LIGHTS

For permanent mounting where regular 120V. 60 hertz line-voltage is available. Serve any signaling or warning function, indoors or out, supplementing or supplanting audible signals. Range and intensity far exceed non-rotating lights.



371

Model 371 — A super powerful 200 watt sealed beam lamp rotates beneath a colored dome, optionally red, green, blue, amber or clear white. Lamp may be adjusted to any angle from 9° below horizontal to almost vertical. Rugged cast aluminum case radiates heat and design permits instant inspection and relamping. Approved by Underwriters' Laboratories. Mounts on 1" pipe or any flat surface.



27S

Model 27S — A smaller, less expensive, but very effective Beacon Ray. Rotating reflector revolves beam from a 75 watt spot lamp. Mounts on ½" pipe or conduit.



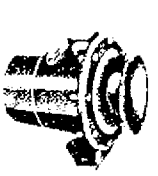
121-S

Model 121-S—A compact light with revolving reflector and 25 watt bulb. Many times more effective than flashing lights of much greater wattage. Same color choices as Model 371 Mounts on ½" conduit.

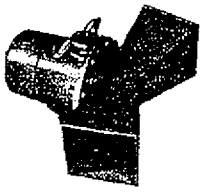
Model 27X — An explosion-proof Beacon, similar in appearance to Model 371 but mechanically similar to Model 27S. For hazardous location. Constructed to Underwriters' standards.

Model No.	Mount	Size, In. Ht.	Dia.	Wt., Lbs. Net	Shpg.	Each
371	Universal	13¾	10	16	22	$ 88.00
27S	Pipe	14	6¼	4	6	60.00
121S	Pipe	6	5	2	2½	29.50
27X	Special	18	10	26	35	189.00

MOTOR DRIVEN HORNS



Models 20



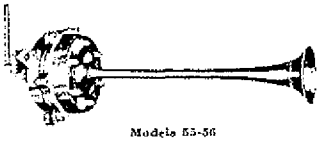
Models 60

Less powerful than the Resonating but a distinctive toned alarm signal. Not suitable for use with paging devices.

Model No.	Description	Shpg. Wt. Lbs.	Each
	120/125 or 240/250 Volts, AC/DC		
20	Single Projector	12	$56.75
60	Double Projector	15	59.75

RESONATING HORNS

The loudest electric horns. Weatherproof models have swivel bracket, straight projector, and pearl gray finish. Interior types have coiled projector, plug-in mounting and red finish.



Models 55-56

Model No.	Voltages	Description	Shpg. Wt. Lbs.	Each
53	24 — 240 AC	Interior	10	$ 42.25
54	6 — 250 DC	Interior	10	42.25
55	24 — 240 AC	Weatherproof	11	44.00
56	6 — 250 DC	Weatherproof	11	44.00
55X	24 — 240 AC	Explosionproof	11	122.75

SELECTONE



A solid state, selectable tone, audible signal. It provides multiple unique and distinctive tones by means of plug-in modules. It allows you to obtain a whole series of signals from the same unit.

The SlecTone is particularly useful in situations requiring a distinctive tone or where a different sound is required to distinguish from other nearby signals. To change tones, simply unplug the present tone module and plug in the desired one.

Model No.	Voltages	Each*
	24V. AC/DC	$65.00
	120V. AC	65.00
	240V. AC	69.00
300	36V. DC	69.00
	125V. DC	69.00
	250V. DC	69.00

*Includes one tone module.

DB Rating at 10 Ft. — 110

Acoustic power is similar for all tones. Slight variations will occur due to directivity characteristics of the loudspeaker depending upon tone selection.

Overall Dimensions: Length-12", Width-7½", Height-8"

Net Weight: 5 lbs.

Tone Modules for Above

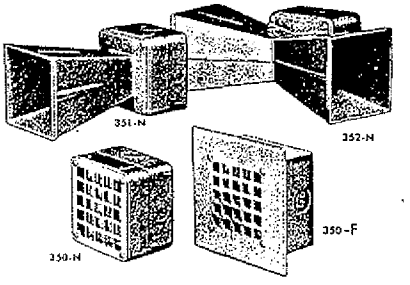
Model No.	Description	Each
TM-1	Conventional Siren (Wail)	$9.25
TM-2	Rapid Siren (Yelp)	9.25
TM-3	Alternating High and Low (Hi-Lo)	9.25
TM-4	Ascending Low to High (Whoop)	8.00
TM-5	Descending High to Low (Yeow)	8.00
TM-6	Steady (Horn)	6.25
TM-7	Slow Intermittent Horn (Beep)	6.25
TM-8	Rapid Intermittent Horn (Stutter)	8.00

Note: When ordering specify model, voltages, type of current and choice of tone modules.

VIBRATONE HORNS

Offered in a variety of types and models. Excellent for coding or alarm. Vibratone horns produce the familiar industrial horn tone. Resonating horns twice as loud, have a trumpet tone. Motor driven horns, less powerful, and not satisfactory for coding, provide a third distinct sound.

Available in standard voltage 60 hertz AC and also DC between extremes listed. 25 hertz AC also available. All have tapping or knockouts for ½ conduit and are finished in gray enamel.



A radical new design. The basic unit plus accessories produces all types and optional mountings Add the flush box and grille for a completely flush horn. Add one or two projectors for single and dual projector models.

The most powerful vibratory horn on the market, factory tuned to maximum volume. Can be cut down to a whisper by rotating adjusting screw Self compensating. Good for continuous duty Lowest current consumption. Fits any standard 4" square outlet box. Specify any standard voltage from 6 to 250, AC or DC.

AC Model No.	Each	Type of Mounting	DC Model No.	Each
		Grille Models		
350	$11.70	Basic unit only	450	$17.1(
350-N	12.60	Interior type	450-N	18.0(
350-W	14.70	Weatherproof	450-W	20.1(
350-SF	12.60	Semi-Flush	450-SF	18.0(
350-CC	13.50	Concealed conduit	450-CC	18.9(
350-F	16.80	Flush type	450-F	22.2(
		Single Projector		
351	$13.50	Basic unit	451	$18.9(
351-N	14.40	Interior type	451-N	19.8(
351-W	16.50	Weatherproof	451-W	21.9(
351-SF	14.40	Semi-Flush	451-SF	19.8(
351-CC	15.30	Concealed conduit	451-CC	20.7(
		Double Projector Models		
352	$18.30	Basic unit	452	$23.70
352-N	19.20	Interior type	452-N	24.60
352-W	21.30	Weatherproof	452-W	26.70
352-SF	19.20	Semi-Flush	452-SF	24.60
352-CC	20.10	Concealed conduit	452-CC	25.50

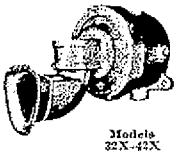
EXPLOSION PROOF HORNS

A number of electric horns are available in explosion-proof construction, meeting class I group D requirements.

All DC explosion-proof horns are furnished complete with an explosion-proof splicing condulet which is not required on AC models.



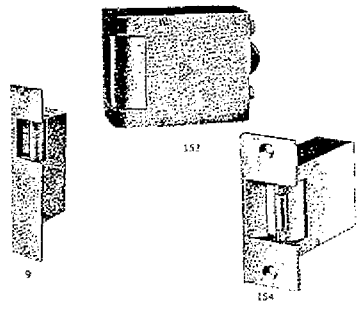
Models 31X-41X



Models 32X-42X

Model No.	Voltages	Description	Shpg. Wt. Lbs.	Each
31X	6–240 AC	Hi-Power	11½	$ 66.25
41X	6–250 DC	Hi-Power	11½	78.75
32X	6–240 AC	Hi-Power	13	72.50
42X	6–250 DC	Hi-Power	13	85.00
33X	6–240 AC	Hi-Power	14	78.75
43X	6–250 DC	Hi-Power	14	91.25
55X	110–220 AC	Resonating ..	23	122.75
56X	110–220–250 DC	Resonating	23	122.75

DOOR OPENERS



Heavy duty long-lasting type. Solid bronze nosings for durability. Number 154 has roller nose. Momentary duty only.

Cat. No.	Type Installation	AC	DC	Each
9	Mortise	8–12	6	$8.20
152	Surface	6– 8	3	8.80
154	Mortise	12–16	4–6–6	9.60

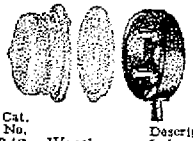
ADAPTABEL®



Heavy duty . . . louder than competitive bells of equivalent size . . . U. L. approved. No mechanical clatter. 4" — 6" — 10" sizes. Slotted gong available. Specify voltage when ordering.

Cat. No.	Decibels at 10 ft.	Volts	Each
340–4"	77	24V 60 cycle	$15.45
		120V 60 cycle	19.30
340–6"	83	24V 60 cycle	21.85
		120V 60 cycle	26.00
340-01-10"	72	6V DC	28.90
		24V DC	28.90
		125V DC	30.90
343–6"	80	6V DC	22.65
		24V DC	22.65
		125V DC	26.65
343–10"	85	6V DC	30.00
		24V DC	30.00
		125V DC	33.30
		250V DC	40.00

ADAPTAHORN AND ADAPTABEL WEATHERPROOF BACK BOXES



Weatherproof back box mountings. U. L. approved.

Cat. No.	Description	Each
348	Weatherproof back box for 340-4" bell, 343-4" bell, 340-A buzzer	$5.30
349	Weatherproof back box for 340-6", 340-10" bells; 343-6" and 343-10" bells, 373-L and 376-L horns	5.30

SINGLE STROKE ADAPTABEL

Single stroke AC and DC bells. Powerful solenoid design. For paging, scheduling and alarm systems.



No.	Volts	Each
332-4"	24V 60 cycle	$16.65
332-6"	120V 60 cycle	28.00
332-10"	120V 60 cycle	33.30



DUOTRONIC® HORN/SIREN

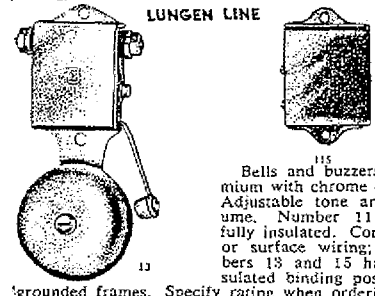
Tamperproof switch to preselect siren or horn signal prior to mounting. Features: All solid state; high decibel sound output; low current drain; adaptaplate mounting.

Applications: Timing, scheduling, paging, warning signal or alarm. Weatherproofing (optional). Decibels at 10 ft.: 110 horn; 108 siren. 60 Cycles AC

Cat. No.	Volts	V.A.	Each
5520	12 AC	16	$83.25
	24 AC	18	83.25
	120 AC	33	83.25
	*240 AC	24	88.50
	12 DC	8.5	83.25
	24 DC	8.5	83.25
	125 DC	12.5	83.25

*Price includes separate 998-Y transformer. For weatherproofing, order 349 back box separately.

LUNGEN LINE



Bells and buzzers; cadmium with chrome covers. Adjustable tone and volume. Number 115 AC, fully insulated. Concealed or surface wiring; Numbers 13 and 15 have insulated binding posts and grounded frames. Specify rating when ordering.

Cat. No.	Volts	V.A.	Each
13-3	6-8 VDC	3.5	$4.95
	6-8 VAC	3.5	4.95
	24 VAC	6.0	5.60
	24 VDC	6.0	5.60
15-1	6-8 VDC	2.0	3.05
	6-8 VAC	3.5	3.05
	24 VAC	6.0	3.60
	24 VDC	2.5	3.60
15-2	6-8 VDC	2.0	3.25
	6-8 VAC	2.5	3.25
	24 VAC	6.0	3.85
	24 VDC	3.5	3.85
15-3	6-8 VDC	2.0	3.45
	6-8 VAC	2.5	3.45
	24 VAC	6.0	4.15
	24 VDC	5.0	4.15
115-2	8 VAC	4.0	3.05
	24 VAC	5.0	3.20
115-4	8 VAC	4.0	4.30
	24 VAC	6.0	4.65

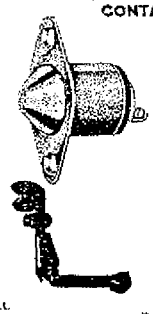
FLUSHCALL LINE



Flexible units combining bells, buzzers, and accessories for flush mounting in standard gang boxes for use with 991 and 993 flush transformers. Ideal for apartment houses, homes, offices, motels, and original equipment. Eliminates long wire runs and heavy duty transformers.

Cat. No.	Description	Volts	Each
660	Ringcall, bell	8	$2.25
661	Buzacall, buzzer	8	2.00
662	Tucall, bell-buzzer	8	3.60
663	Melocall, bell	8	3.05
760	Ringcall, bell	24	2.80
761	Buzacall, buzzer	24	2.65
762	Tucall, bell-buzzer	24	4.00
763	Melocall, bell	24	3.60
664	Toggle Push, button		.67

CONTACT DEVICES



Low Voltage Contactors

All purpose, to make or open contact on doors, windows, transoms, safes, burglar alarm system; ¾" hole.

Cat. No. 44 — depressing opens contacts.

Cat. No. 45 — depressing closes contacts.

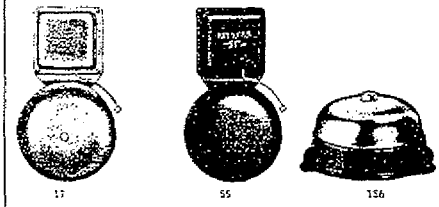
Cat. No. 46 — depressing makes, then breaks and repeats on return.

Low Voltage Door Trip Switch

Cat. No. 236—Non-insulated external mounting makes and breaks only as door opens.

Cat. No.	Description	Each
44	Contactor	$1.20
45	Contactor	1.20
46	Contactor	1.20
236	Door Trip	2.95

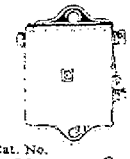
LIGHT DUTY BELLS



Low cost, low voltage, self-contained, light duty bells. Standard bells operate at 8 — 10 volts 60 cycles or 6 — 8 volts DC.

Cat. No.	Description	Volts	Each
17–4"	Powerful double magnet adjustable low current for long wire runs	6 DC 8 AC	$7.70
17–6"	Powerful double magnet adjustable low current for long wire runs	6 DC 8 AC	9.00
55–4"	Economical single magnet adjustable bell	6 DC 8 AC	4.60
55–6"	Economical single magnet adjustable bell	6 DC	6.00
156	Self-contained gray with painted gong	6 DC 8 DC	5.35

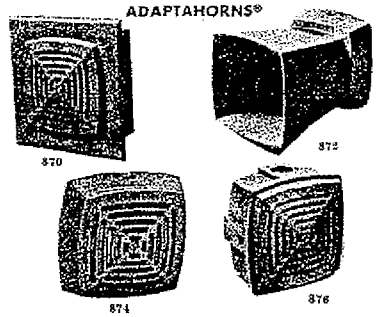
CONSTANT RINGING DROP



Cat. No. 26 — When contact device energizes drop, contact remains closed until reset by hand, giving continuous alarm. 6-8 volts DC or 8-12 volts AC. Available up to 48V AC or DC.

Cat. No.	Description	Each
26	Constant Ringing Drop, 6V DC, 8-12V 60 cycle	$7.35
26	24V DC, 24V, 60 cycle	10.40

ADAPTAHORNS®



Available in flush, grille, projector or weatherproof models. Higher decibel rating—130 db. Adjustable on the front 103 down to 78 db. U. L. listed.

Cat. No.	Description	Voltage 50/60 Hz.	Each
870	Flush	24, 120	$17.10
872	Projector	24, 120	18.30
874	Grille	24, 120	15.30
876	Weatherproof	24, 120	19.00

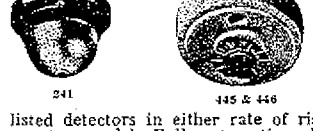


FIRE ALARM STATIONS — MANUAL

U. L. listed open circuit, single action manual fire alarm station for use in schools, hospitals, factories, industrial plants or commercial buildings.

Cat. No.	Volts	Each
270	125 AC	$8.65

FIRE ALARM DETECTORS



U. L. listed detectors in either rate of rise or fixed temperature models. Fully automatic and self-restoring. Fixed temperature Cat. No. 445 is set for 135° F, No. 446 is set for 190° F.

Cat. No.	Description	Volts	Each
241	Rate of Rise	125 or 24	$5.00
445	Fixed Temp.	125 or 24	2.80
446	Fixed Temp.	125 or 24	2.80

EDWARDS SIGNALING DEVICES

RESIDENTIAL PUSHBUTTONS

FLUSH LINE



Cat. No.	Style	Each
653	Hammered Antique	$1.26

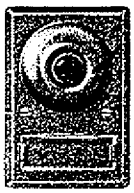
ECONOMY LINE



600



602



607



634

Exclusive patented piano-type action, the Keynote series is installed in less than a minute. Modern, thin design, molded plastic, will not rust. Numbers 634 and 635. Also, available in this Economy line are the traditional metal designs of rugged brass construction for long service. Numbers 600, 602, 603 and 607.

Cat. No.	Description	Each
600	Round — 2⅛"	$ .36
602	Oblong — 2 name	.86
603	Round — 1¾"	.36
607	Oblong — 1 name	.46
634	Brown — Ivory ctr.	.37
635	Ivory — Black ctr.	.37

INDUSTRIAL PUSHBUTTONS



690-12

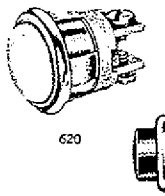


691-12

Edwards' new line of low-voltage (to 48 volts) pushbuttons is ideally suited to OEM and general industrial use. Rated 10 amps AC and DC at 12 and 24 volts, 6 amps AC, 2.5 amps DC at 48 volts. Available with three different center types, flush, recessed, and protruding, and either snap fit or locknut mounting for a ⅞" hole. Black or white centers with polished, anodized aluminum shells. Other colored centers available in contract quantities.

Cat. No.	Description	Each
690-12	Snap-fit, flush, white ctr.	$1.00
692-12	Snap-fit, recessed, white ctr.	1.00
694-11	Snap-fit, protruding, black ctr.	1.00
694-12	Snap-fit, protruding, white ctr.	1.00
691-12	Locknut, flush, white ctr.	1.05
695-11	Locknut, protruding, black ctr.	1.06
695-12	Locknut, protruding, white ctr.	1.06

LOW VOLTAGE PUSHBUTTONS



620



59



116

Cat. No.	Volts	Description A.C. Amps	D.C. Amps	Each
59	12	8	8	$1.05
	24	6	4	
	48	3	2	
116	12	10	10	1.75
	24	10	6	
	48	5	2.5	
620	6	"	2	.46
	8	2	"	
	24	.67	.50	
	48	.3	.3	
620B	Same as 620 only polished brass instead of chrome.			.46

SPECIAL PURPOSE PUSHBUTTONS



1786-C

Edwards' special purpose, low voltage (to 50 Volts) pushbuttons are available for many special applications.

Cat. No.	Type	Volts	AC Amps	DC Amps	Each
71	Pendant	8	2.0	....	$1.30
		24	.67	5	
250	multiple circuit	12	6.0	2.0	2.40
255	return call	48	2.0	.5	3.20
1786	weather-proof	12	4.0	4.0	7.20
1786-C	weather-proof with conduit ring	24	4.0	2.0	9.65
		48	2.0	1.0	

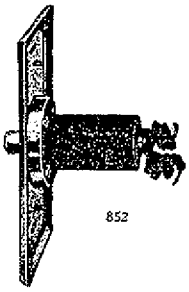
HIGH VOLTAGE PUSHBUTTONS



850



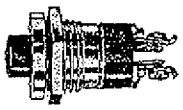
820



852



1785

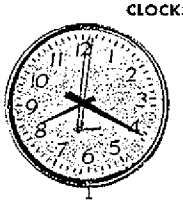


821

U. L. listed, normally open or closed, high voltage pushbuttons, either AC or DC up to 250 volts. Rugged construction with either snap-fit or locknut. Feature fast break regardless of how pressure, is released. Nos. 820, 821 for quick break applications, 850, 851, 852, 854 for quick make and break.

Cat. No.	Type	Volts	AC Amps	DC Amps	Each
820	Snap-fit	12	15.0	15.0	$3.70
		12	15.0	15.0	
		48	10.0	5.0	
821	Locknut	125	5.0	1.0	4.00
		250	5.0	....	
850	Locknut	12	10.0	10.0	4.10
		24	10.0	10.0	
851	Pendant	32	10.0	8.0	7.40
		48	10.0	7.0	
852	Flush	125	6.0	3.0	9.35
		250	3.0	1.0	
854	Locknut (normally closed)	12	4.0	4.0	5.60
		24	4.0	4.0	
		48	4.0	2.0	
		125	2.0	1.0	
		250	1.0	0.5	
1785	Weather-proof surface	12	20.0	20.0	10.00
		24	20.0	10.0	
		125	4.0	1.0	

CLOCKS

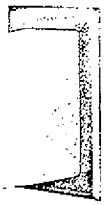




Single motor clocks 120V 60 Hz, feature surface mounting, Satin aluminum bezel, easy to read arabic numerals, red sweep second hand and black minute/hour hands.

Cat. No.	Size, In.	Each	Cat. No.	Size, In.	Each
1880	8	$9.50	1882	12	$11.00

CORRIDOR DOME STATIONS



Stations provide clear visual signals throughout all nurse call and alarm systems. Easily seen from all angles, the lamps provide additional convenience and safety to staff members and faster service for patients. Mounted above doors of all rooms equipped with any type of bedside station.

Cat. No.	Description	Each
	24 or 120 Volt	
7631-1	1 lamp	$8.00
7631-2	2 lamps (1 clear, 1 red)*	10.00
	24 Volt	
7631-4	4 lamp (2 clear, 2 red)*	16.65

Note: Dome color available in White or Red. Specify dome color and voltage when ordering.
*Lamps available in any color combination.

Other Edwards hospital signal equipment available. Call Grayhar.

TRANSFORMERS



590



592



88-50

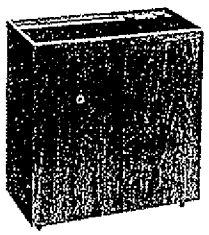
Ideal for application such as door chimes, industrial signaling and O.E.M. Cat. Nos. 590 and 592 feature compact size and increased capacity for longer wire runs. Primary voltage is 120V 50-60 Hz. Transformers are available with 240V primary. U. L. listed.

Cat. No.	Secondary Volts	Each
590	10	$2.20
592	8, 16, 24	2.65
998	8, 16, 24	4.45
88-50	4, 8, 12, 16, 20, 24	12.65
88-100	4, 8, 12, 16, 20, 24	20.65

OASIS HUMIDIFIERS & DEHUMIDIFIERS



OH-1000



OH-800

Oasis automatic humidifiers add moisture to winter-dry air. Perfect for offices, homes and apartments. Plug into standard electrical outlet. Capacities up to 26 gallons every 24 hours. Model OH-1000 has polystyrene cabinet. OH-800 and OH-900 walnut wood grain vinyl-clad steel cabinets.

Model OH-1000....$92.10 | Model OH-800....$62.40
Model OH- 900.... 70.80 |



OD-200

Oasis dehumidifiers soak up moisture like a sponge. Ideal for home, shop or storage areas. Have free-wheeling casters. Plug into standard electrical outlet. Capacities from 11 to 24 pints per day. All models but the OD-90 have dial controlled adjustable humidistat. Model OD-90 has two-coat Mocha Tan baked enamel over phosphatized steel cabinet. All others have walnut wood grain vinyl-on-steel laminate cabinets.

Model OD-300....$117.50 | Model OD-100....$85.20
Model OD-250.... 99.60 | Model OD- 90.... 75.90
Model OD-200.... 88.50 |

OASIS®

OASIS coolers are designed for use in office, industry, or home. Hot 'N Cold models double the usefulness, serving piping hot water for coffee, tea or other hot drinks, as well as cold water. All Hot 'N Cold models provide 45 cups of hot water per hour.

Quality construction features that make Oasis the standard of cooler quality: exclusive Dial-A-Drink bubbler which provides a smooth, steady flow of water at line pressures from 20 to 125 psi; anti-splash stainless steel top; insulated cooling system; pre-cooler on larger models increases efficiency; sealed compressor requires no maintenance.

Designer Series Semi-Recessed and On-A-Wall models have standard cabinet finish of Chestnut Tweed vinyl-on-steel laminate. All other models have standard finish of Mocha Tan baked enamel. Optional cabinet finishes are available.



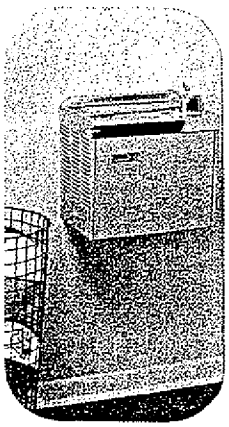
CHALLENGER SERIES

FREE-STANDING COMPACT

The OASIS Challenger models occupy only 1 square foot of floor space, yet can deliver enough refreshing water to serve up to 120 people. Cabinets of heavy gauge steel sturdy enough to withstand normal industrial use. OCP3H has Hot 'N Cold feature.

NUMBER OF PEOPLE SERVED

MODEL	Capacity (gph)	Offices	Light Industry	Heavy Industry	Price
OCP10	10.0	120	70	50	$193.00
OCP5	5.5	66	38	27	178.00
OCP3	3.1	37	21	15	166.00
OCP3H	3.1	37	21	15	205.50



CHALLENGER SERIES

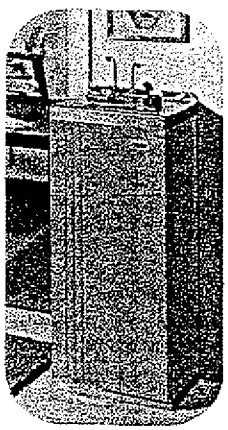
ON-A-WALL COMPACT

This low-cost model is handsome enough to go in any location, office, shop or store—rugged enough for industrial application. Models are available with capacities of three and five gallons of cold water per hour. Off-the-floor installation simplifies maintenance of floor and cooler. Finished in Mocha Tan baked enamel with stainless steel top, the compact cabinet fits attractively into any decor. Unit measures only 16" high x 17" wide x 13" deep.

NUMBER OF PEOPLE SERVED

MODEL	Capacity (gph)	Offices	Light Industry	Heavy Industry	Price
OCP5M	5	60	35	25	$179.00
OCP3M	3	30	21	15	158.50

Note: Cabinets also available in Chestnut Tweed, Charcoal Tweed and Walnut Wood-Grain laminated vinyl-on-steel or stainless steel.



DESIGNER SERIES

AGAINST-A-WALL OR FREE-STANDING

These big capacity coolers are designed and engineered to install flush against a wall, with plumbing connections concealed, or as a conventional free-standing model. ODP8AH has Hot 'N Cold feature.

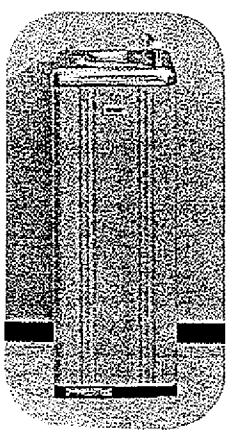
FREE-STANDING ONLY

Model ODP20, an extra high capacity cooler in a handsome Mocha Tan cabinet, is designed and engineered for use in heavy traffic locations. Serves 240 in offices and 140 in light industry.

NUMBER OF PEOPLE SERVED

MODEL	Capacity (gph)	Offices	Light Industry	Heavy Industry	Price
ODP13A	13.0	156	91	65	$222.50
ODP8A	8.0	96	56	40	212.50
ODP8AH	8.0	96	56	40	255.50
ODP20	20.0	240	140	100	271.00

Note: These models area also available in a stainless steel cabinet.



CONSTELLATION SERIES

The OASIS Constellation coolers are designed for use in heavy traffic areas. They are available in 7 and 13 gallon-per-hour capacities to accommodate almost any cold water need. Model 7P is convection cooled. Quiet, thermostatically controlled condenser fan operates only when heavy use or high ambient temperatures require an increased volume of condenser air to assure efficient operation. The cabinets are made of heavy gauge steel and are finished in baked enamel. The Constellation coolers are also available in easy-to-clean, corrosion-resistant stainless steel cabinets.

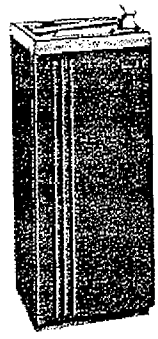
NUMBER OF PEOPLE SERVED

MODEL	Capacity (gph)	Offices	Light Industry	Heavy Industry	Price
13P	12.7	152	89	63	$218.00
13PL*	12.7	152	89	63	224.00
7P	7.0	84	49	35	207.50
7PV**	7.0	84	49	35	374.00

*Only 31" high, all other dimensions are the same as the 13P.

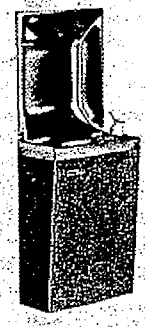
**For direct current installations of 115 or 230 volts; or for 115 volts 25 hertz, single phase.

SPECIAL PURPOSE MODELS



WATER COOLED. OASIS models ODP15W (Free-Standing) and ODP15MW (On-A-Wall) have water cooled condenser, are heat and dust resistant. ODP15W-SCP (Free-Standing) is the same, but with stainless steel cabinet and fittings for corrosion protection. Frost-proof pack available for Free-Standing models. **EXPLOSION PROOF.** Model ODP10X is explosion-proof for use in hazardous atmospheres. Controls and wiring are sealed in U.L. listed enclosure. ODP10X-SCP is same, but with stainless steel cabinet and fittings.

NUMBER OF PEOPLE SERVED					
MODEL	Capacity (gph)	Offices	Light Industry	Heavy Industry	Price
ODP10X					$315.00
ODP10X-SCP	10.0	120	70	50	440.00
ODP15W					$261.50
ODP15W-SCP	15.0	180	105	75	355.00
ODP15MW					265.00



DESIGNER SERIES
SEMI-RECESSED

Neatly installed in the wall, this trim, efficient cooler extends only 9½". The sturdy steel mounting box permits easy installation in any plant or office location. The swept-back top, made of stainless steel, is easy-to-clean and helps reduce maintenance costs.

NUMBER OF PEOPLE SERVED					
MODEL	Capacity (gph)	Offices	Light Industry	Heavy Industry	Price
ODP13S	13.0	156	91	65	$285.50
ODP7S	7.0	84	49	35	272.50
ODP5S	5.0	60	35	25	267.00

Note: Also available in a cabinet with stainless steel or walnut wood grain vinyl-on-steel.



DESIGNER SERIES
FREE-STANDING WITH REFRIGERATED COMPARTMENT

A complete refreshment center combining hot and cold water, ice cubes and storage for bottled drinks. Compartment freezes and stores 36 ice cubes, holds 24 small bottles or several 32 ounce bottles upright. Separate compressors for cooling water and compartment. Model ODP3RH has Hot 'N Cold feature.

NUMBER OF PEOPLE SERVED				
MODEL	Capacity (gph)	Offices	Light Industry	Price
ODP3R	3.1	37	22	$350.50
ODP3RH	3.1	37	22	393.50

RESIDENTIAL HOT & CHILLED WATER DISPENSERS



Hot Water Dispenser (Model HD-1) provides instant 205°F. water for hot drinks, soups, for warming baby foods, and for thawing frozen foods. Copper storage tank has ½ gal. capacity to serve approximately 60 cups per hour.

Cold Water Dispenser (Model ODP3E) provides chilled water for drinking or preparing other cold drinks. Capacity of 3 gallons of 50°F. water per hour, serving 58 cups per hour.

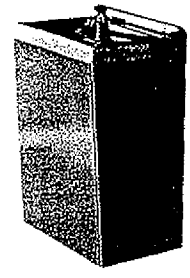


Both operate off the cold water line. Power supply is 115-volt, 60-hertz.

MODEL	Price
HD-1	$ 49.50
ODP3E	174.50

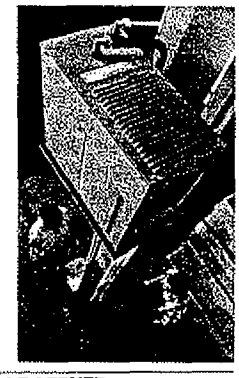
DESIGNER SERIES
ON-A-WALL

Mounted at any desired height, the On-A-Wall is perfect for use in plant or office locations where floor space is at a premium. The On-A-Wall is available in medium or big capacity. Because these units are mounted on the wall, floor maintenance is made easier. Model ODP7MH has Hot 'N Cold feature.



NUMBER OF PEOPLE SERVED					
MODEL	Capacity (gph)	Offices	Light Industry	Heavy Industry	Price
ODP16M	15.7	188	100	78	$229.50
ODP13M	13.0	156	91	65	220.00
ODP7MH	7.0	84	49	35	257.50
ODP7M	7.0	60	49	35	210.00
ODP5M	5.0	60	35	25	204.50

REMOTE COOLER



For locations where it is necessary or desirable to install cooling unit apart from drinking fountain. Easily installed overhead to save valuable floor space and remain out of way of potential damage. May be used to serve multiple Oasis fountains. This Remote Cooler has gray, baked enamel cabinet with louvered covers which remove easily for maintenance. Adequate ventilation around the forced-air cooled unit is required for efficient operation.

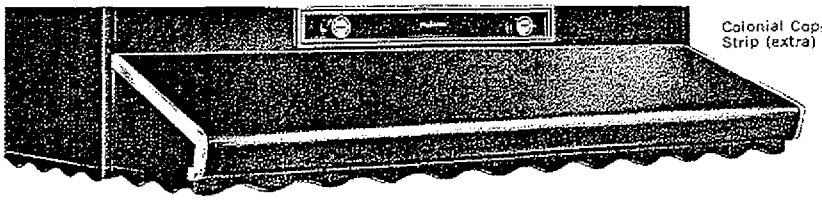
NUMBER OF PEOPLE SERVED					
MODEL	Capacity (gph)	Offices	Light Industry	Heavy Industry	Price
ODP5P	5.6	67	39	28	$190.50

OASIS Water Coolers comply with all known Plumbing Codes. Tested and rated in accordance with U.S.A. Standard A112.11.1-1968. Listed by Underwriters' Laboratories.

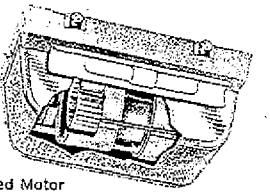
Five Year Warranty The OASIS Full 5-Year Warranty covers the entire refrigeration system plus all component parts against defects in materials and workmanship under normal use and service. This warranty covers repair or replacement of any part which EBCO's examination discloses to be defective under conditions outlined in

NuTone Range Hood-Fans

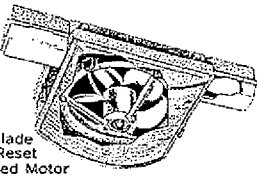
V-30 SERIES "SELECT-A-MATIC" HOOD-FANS



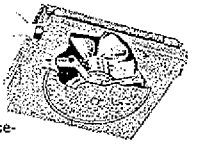
Colonial Copper Enamel Hood. Scallop Trim-Strip (extra) available in this finish only.



Cutaway view Model 3093 Deluxe Twin-Blower Power Unit, with Solid-State Speed Control and Automatic Reset Thermal-Protected Motor



Cutaway View Model 3063 Deluxe Power Unit with Solid-State Speed Control, Mixed-Flow Impeller Blade and Automatic Reset Thermal-Protected Motor



Cutaway View Model 3083 Standard Power Unit with Solid-State Speed Control, Mixed-Flow Impeller Blade and Impedance-Protected Motor.

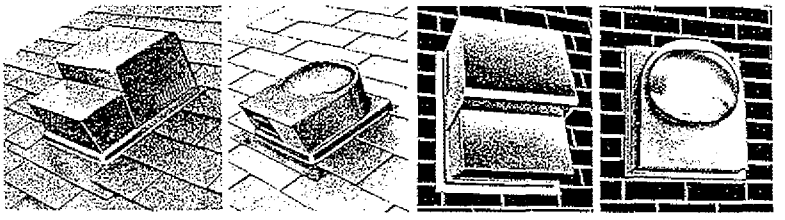
Select from 3 Power Units, 3 Hood Sizes, 6 Hood Finishes. Over 90 Combinations! Use 3¼" x 10" Duct

• Rotary Speed Regulators • Adjust air-delivery to ventilation requirements • Adjust sound to quiet-level desired • Safety-contoured front edges • Sculptured Control Panel • 'Offset' Side-Paneling: Chrome side-trim • The 'Appliance' look, in 6 colors • Baked Enamel, Anodized Aluminum and Stainless Steel finishes • Large, permanent, washable Aluminum Mesh Grease Filter removes easily for quick cleaning • Twin Lights brighten entire range area • Prewired, pre-assembled • Plug-In Power Units save 'on-job' time • Use Light and Filter Kits if exterior-mounted Fan is used.

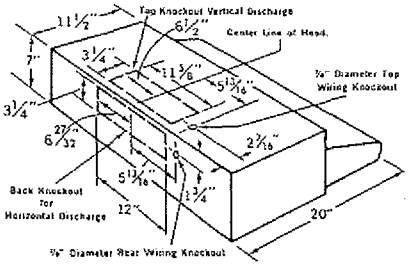
For a QUIET Home . . Use a V-30 or V-27 Series Hood With a NuTone Exterior-Mounted Roof or Wall Fan.

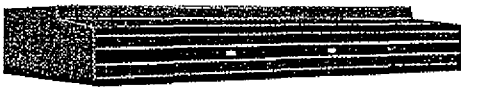
Enjoy all the benefits of the finest Range-Hood without Fan or Motor sound inside the Kitchen! Hood collects odors, smoke, grease-laden air, steam, excess heat; Exterior-Mounted Wall or Roof Fan pulls them smoothly from the cooking area; exhausts them to outside. With V-30 Hoods, use Model 6070 Light-Kit and Model VF-32 Filter-Kit. Light-Kit includes Rotary Controls for both Fan and Light. With V-27 Hoods, the Light, Filter, and Rotary Controls are included.

With either choice of Hoods, combine with your choice of the 4 Exterior-Mounted Fans shown below, for Kitchen Ventilation the truly QUIET WAY! All sound is outside.



RF-35 RF-17 WF-35 WF-17





V-27 Series 'Decorator' Hoods

For use with Exterior-Mounted Fans shown at left, above. Choose Colonial Copper in Traditional design or Contemporary design in 4 Enamel Finishes. Hood is 18" deep; reaches to front burners; is pre-assembled. For vertical or horizontal discharge.

V-27 Series Hood includes Light Kit and Filter. May be used with Exterior Mounted Roof and Wall Fans (RF-35, RF-17, WF-35 and WF-17).

Enamel Finish	30" HOODS Model	Each
Colonial Copper	V-27CC30	22.23
Avocado Green	V-27AG30	
White	V-27WE30	
Harvest Gold	V-27HG30	
	36" HOODS	
Colonial Copper	V-27CC36	23.33
Avocado Green	V-27AG36	
White	V-27WE36	
Harvest Gold	V-27HG36	
	42" HOODS	
Colonial Copper	V-27CC42	24.33
Avocado Green	V-27AG42	
White	V-27WE42	
Harvest Gold	V-27HG42	

HOODS ONLY: Combine with Power Units listed below to make complete Hood-Fan. Transition Duct Included.

Finish	30" HOODS Model	30" HOODS Each	36" HOODS Model	36" HOODS Each	42" HOODS Model	42" HOODS Each
Colonial Copper Enamel	V-30CC30	19.00	V-30CC36	20.33	V-30CC42	21.67
Avocado Green Enamel	V-30AG30		V-30AG36		V-30AC42	
White Enamel	V-30WE30		V-30WE36		V-30WE42	
Harvest Gold Enamel	V-30HG30		V-30HG36		V-30HG42	
Silver Anodized Alum.	V-30SA30	29.00	V-30SA36	30.33	V-30SA42	31.67
Stainless Steel	V-30SS30	37.27	V-30SS36	40.60	V-30SS42	43.93

POWER UNITS ONLY: For use with Hoods listed above to make one complete Hood-Fan. Includes Fan, Light Assembly, Dials for Lights and Fan.

Model	Power Unit	Certified Test Data: Air Delivery Horizontal	Air Delivery Vertical	Sound Level Range From High to Low	Each
3093	Deluxe Twin Blower	290 CFM	280 CFM	4.3 Sones to 1.9 Sones	49.00
3083	Standard	180 CFM	170 CFM	5.2 Sones to 2.0 Sones	30.00
3063	Deluxe	320 CFM	240 CFM	5.8 Sones to 2.3 Sones	43.33

SCALLOP TRIM STRIPS (Colonial Copper Enamel ONLY) See V-34 Hoods next page.

LIGHT KIT ASSEMBLY — For use with V-30 Series Hoods, above, when used with NuTone Wall Fans or when Exterior Mounted Roof and Wall Fans are specified. Includes Light Housing Assembly and Rotary dials for light and fan. (Light bulbs not included.)

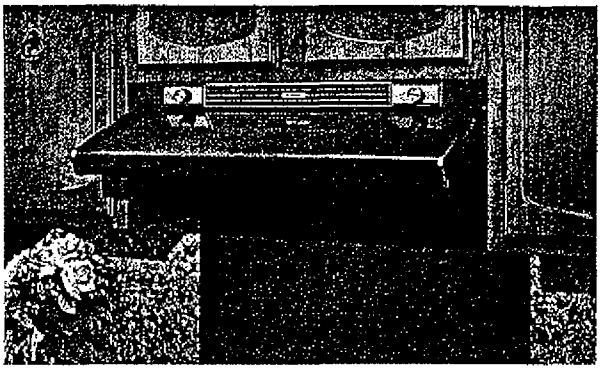
Mode	Description	Each
VL-35	Light Kit with Solid State Fan Control	14.33
6070	Light Kit with "on-off" Fan Control	7.67

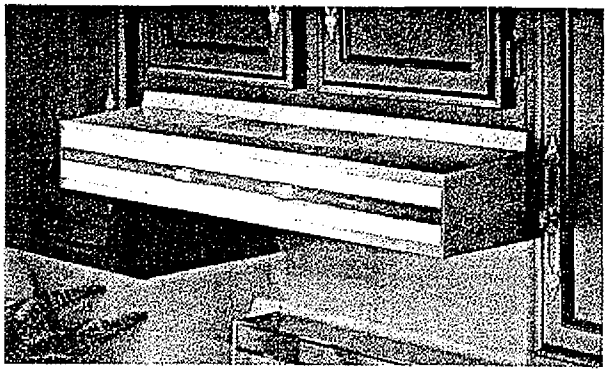
FILTER KIT — Model VF-32. For use with Hoods listed above. Can be mounted with or independently of #6070 Light Kit. 6.20

EXTERIOR-MOUNTED ROOF AND WALL FANS for use with V-30 or V-27 Series Hoods.

Model	Type	Certified Test Data		Each
RF-17	Roof Fan Impeller Type	175 CFM	All Motor Sound Is Outside the Home!	28.33
RF-35	Roof Fan Blower Type	310 CFM		35.67
WF-17	Wall Fan Impeller Type	175 CFM		27.00
WF-35	Wall Fan Blower Type	310 CFM		34.33

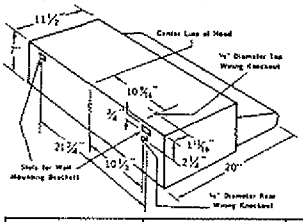
Non-Duct Hood-Fans FOR USE WHERE DUCTWORK IS NOT AVAILABLE





V-34 Series (with Solid State Speed Control)

'APPLIANCE-STYLED' COMPLETE HOOD-FAN, in 6 finishes, 3 widths, with Rotary Hi-Lo Fan Regulators that adjust fan-speed to ventilation required; sound to the level desired. Has permanent, washable Aluminum-Mesh Grease Filter, Activated Charcoal Odor Filter, Fiber-Glass Smoke Filter. Air-vaned Grille returns fresh, clean air at correct angle. Has safety-contoured front edges, Chrome side-trim, 'off-set' side paneling, enclosed light with a prismatic lens. Twenty-inch hood depth reaches all the way to front burners. Scallop trim in Colonial Copper only (extra). A completely prewired, pre-assembled unit.



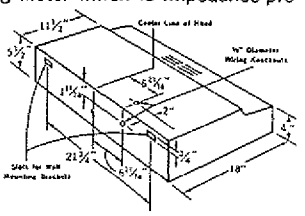
EASY TO INSTALL

Easy to hang on a wall or under cabinet above range. Top and back wiring knockouts for fast electrical hook up. A Wall-Mounting Bracket #859 (extra) is available for attaching Hood to wall, where a cabinet is not used above the range.

Finish	30" HOODS Model	Each	36" HOODS Model	Each	42" HOODS Model	Each
Colonial Copper Enamel	V-34CC30	70.60	V-34CC36	71.93	V-34CC42	73.27
Avocado Green Enamel	V-34AG30		V-34AG36		V-34AG42	
White Enamel	V-34WE30		V-34WE36		V-34WE42	
Harvest Gold Enamel	V-34HG30		V-34HG36		V-34HG42	
Silver Anodized Aluminum	V-34SA30	80.33	V-34SA36	81.67	V-34SA42	83.00
Stainless Steel	V-34SS30	89.60	V-34SS36	91.67	V-34SS42	94.33
ACCESSORY & REPLACEMENT FILTERS			SCALLOP TRIM STRIPS (Colonial Copper Enamel ONLY)			
Model 855 Replacement Smoke Filter		2.13	30" — VT3CC36			5.00
Model 856 Replacement Charcoal Filter		7.67	36" — VT3CC36			5.33
Model 859 Wall-Mounting Bracket Kit		1.80	42" — VT3CC42			5.67
Certified Test Data: Sound Level Range (High) 4.4 Sones to (Low) 1.9 Sones						

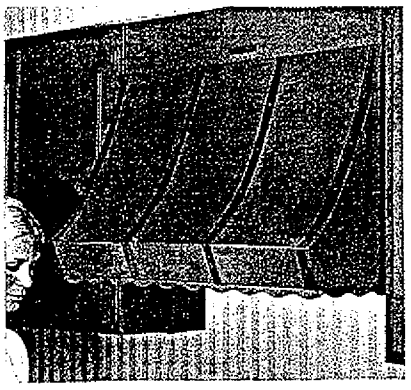
V-25 Series Special Non-Duct Hood-Fans

Style-leader in non-duct hoods. Sculptured face-panel that simulates real leather. Rocker-Type Switches for the 2-speed Fan and Light up front for easy access. Hood, Motor, Filter Elements in one compact unit, ready for easy installation on a wall or under a cabinet. The Charcoal Odor Filter and Aluminum-Mesh Grease Filter offer 2-square feet of filter area. The Hood reaches all the way to the front burners and the enclosed Light has a Safety-Lens. There is a self-lubricating Motor which is Impedance-protected. Mounting Bracket Model 859 is available (extra) for attaching Hood to wall. Top and back knockouts for easy, quick wiring. Keyhole slotted mounting holes for easy hanging. Hood is all welded construction.



Finish	30" HOODS Model	Each	36" HOODS Model	Each	42" HOODS Model	Each
Colonial Copper Enamel	V-25CC30	39.67	V-25CC36	40.67	V-25CC42	41.67
Avocado Green Enamel	V-25AG30		V-25AG36		V-25AG42	
White Enamel	V-25WE30		V-25WE36		V-25WE42	
Harvest Gold Enamel	V-25HG30		V-25HG36		V-25HG42	
Stainless Steel	V-25SS30	57.00	V-25SS36	58.00	V-25SS42	59.00
CERTIFIED TEST DATA						
6.5 to 3.9 Sones (Sound Level Range)						

Magnificent 'HERITAGE' Hood-Fans



For Use with NuTone Exterior-Mounted Roof Fans

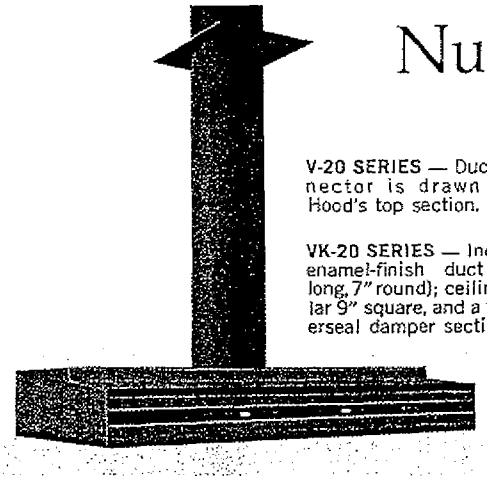
Hood only, with enclosed Light, Twin Aluminum-Mesh Grease Filter and Solid-State Speed-and-Sound Controls for ventilation required and sound-level desired. Hood collects odors, smoke and grease-laden air. Exterior-mounted roof fan pulls them smoothly from cooking area and exhausts them quietly to the outside. Fans are described in another section.

V-40 SERIES: Hood for wall-installation in 3 widths, 6 decorative colors.

V-45 SERIES: Twin-Face Hood for installation above 'pass-thru' counters has all the same features as the V-40 Series.

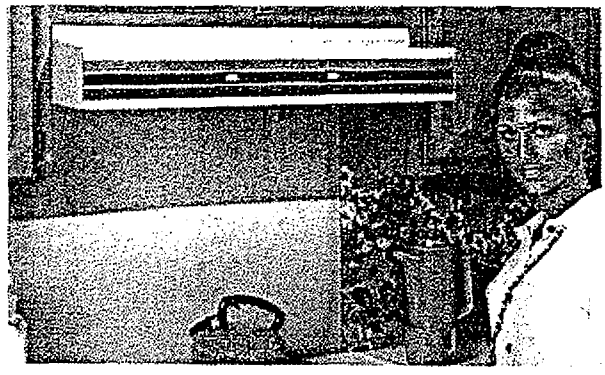
Finish	V-40 SERIES (For Wall Installation) 30" HOODS Model	Each	36" HOODS Model	Each	42" HOODS Model	Each	V-45 SERIES (For 'Pass-Thru' Counters) 30" HOODS Model	Each	36" HOODS Model	Each	42" HOODS Model	Each
Colonial Copper Enamel	V-40CC30	86.33	V-40CC36	89.00	V-40CC42	91.67	V-45CC30	102.33	V-45CC36	106.33	V-45CC42	110.33
Avocado Green Enamel	V-40AG30		V-40AG36		V-40AG42		V-45AG30		V-45AG36		V-45AG42	
White Enamel	V-40WE30		V-40WE36		V-40WE42		V-45WE30		V-45WE36		V-45WE42	
Harvest Gold Enamel	V-40HG30		V-40HG36		V-40HG42		V-45HG30		V-45HG36		V-45HG42	
Brushed Antique Copper	V-40BR30	89.00	V-40BR63	91.67	V-40BR42	94.33	V-45BR30	106.33	V-45BR36	110.33	V-45BR42	114.33
Stainless Steel	V-40SS03	116.33	V-40SS36	122.00	V-40BR42	127.67	V-45SS30	138.60	V-45SS36	144.60	V-45SS42	152.60

NuTone Range Hood-Fans



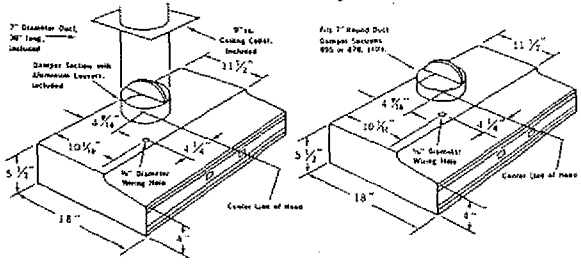
V-20 SERIES — Duct Connector is drawn from Hood's top section.

VK-20 SERIES — Includes enamel-finish duct (30" long, 7" round); ceiling collar 9" square, and a weatherseal damper section.



For Odor-Free, Smoke-Free, Grease-Free Kitchens

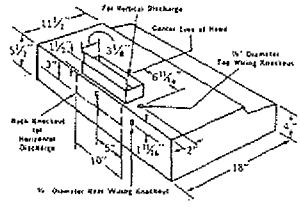
Sculptured front-panel with the finish that simulates costly leather. Rocker-Type Switches for 2-speed Fan and Light. Large Aluminum-Mesh Grease Filter and reinforced Light Lens all in one assembly. Plug-in, impedance-protected Motor with 1-piece mount and perfectly balanced blade. Wiring knockout in top of hood for easy wiring. Pre-wired, pre-assembled unit of all welded construction. Hood reaches all the way to front burners.



Finish	30" HOODS Model	Each	36" HOODS Model	Each	42" HOODS Model	Each
V-20 SERIES HOOD-FANS						
Colonial Copper Enamel	V-20CC30	31.33	V-20CC36	32.33	V-20CC42	33.33
Avocado Green Enamel	V-20AG30		V-20AG36		V-20AG42	
White Enamel	V-20WE30		V-20WE36		V-20WE42	
Harvest Gold Enamel	V-20HG30		V-20HG36		V-20HG42	
Stainless Steel	V-20SS30	48.67	V-20SS36	49.67	V-20SS42	50.67
VK-20 SERIES HOOD-FANS						
Colonial Copper Enamel	VK-20CC30	36.00	VK-20CC36	37.00	VK-20CC42	38.00
Avocado Green Enamel	VK-20AG30		VK-20AG36		VK-20AG42	
White Enamel	VK-20WE30		VK-20WE36		VK-20WE42	
Harvest Gold Enamel	VK-20HG30		VK-20HG36		VK-20HG42	
CERTIFIED TEST DATA						
Air Delivery			Sound Level — High to Low			
220 CFM			4.1 to 3.6 Sones			

V-26 Series Hood-Fans for Horizontal or Vertical Venting

Stunning new look for stylish kitchens, sculptured front-panel in simulated leather accented with attractive new Rocker-Type Switches for the 2-speed Fan and Light. The Hood reaches all the way to the front burners and offers more than 100 square inches of filter area. The Aluminum-Mesh Filter and Fiberglass Light Lens are combined in one assembly. Plug-in Power Unit consists of impedance-protected Motor, perfectly balanced aluminum Blade and 1-piece Motor Mount. A completely pre-assembled, prewired unit with key-hole slotted mounting holes and all-welded construction. Includes a duct-collar with a cushioned-framed damper. In 3 widths, 5 colors.



Finish	30" HOODS Model	Each	36" HOODS Model	Each	42" HOODS Model	Each
Colonial Copper Enamel	V-26CC30	34.33	V-26CC36	35.33	V-26CC42	36.33
Avocado Green Enamel	V-26AG30		V-26AG36		V-26AG42	
White Enamel	V-26WE30		V-26WE36		V-26WE42	
Harvest Gold Enamel	V-26HG30		V-26HG36		V-26HG42	
Stainless Steel	V-26SS30	51.67	V-26SS36	52.67	V-26SS42	53.67
CERTIFIED TEST DATA						
Air Delivery			Sound Level Range from High to Low			
160 CFM: Horizontal 160 CFM: Vertical			5.0 to 3.6 Sones			

Range Hood-Fans

CONVERTIBLE V-28 SERIES HOOD-FANS

For all the convenience and efficiency of the single blower power unit. New pacesetter front panel design with each Hood finish, plus new Rocker-type Switches for the two-speed fan and light. The Switches accent the darker horizontal center-strip for added beauty. The Connector Collar can be arranged to duct alignment providing a wide choice of installations and duct adjustments. Quietly powerful, even in long duct-runs. More than 100 square inches of filter-area in the large Aluminum-Mesh Grease Filter which removes easily for quick cleaning. The enclosed light has a reinforced lens. A completely pre-wired, pre-assembled unit of all-welded construction, with electronically balanced centrifugal blower wheel. Keyhole mounting slots for easy installation, plus a 3¼" x 10" duct collar with built-in damper in each carton.

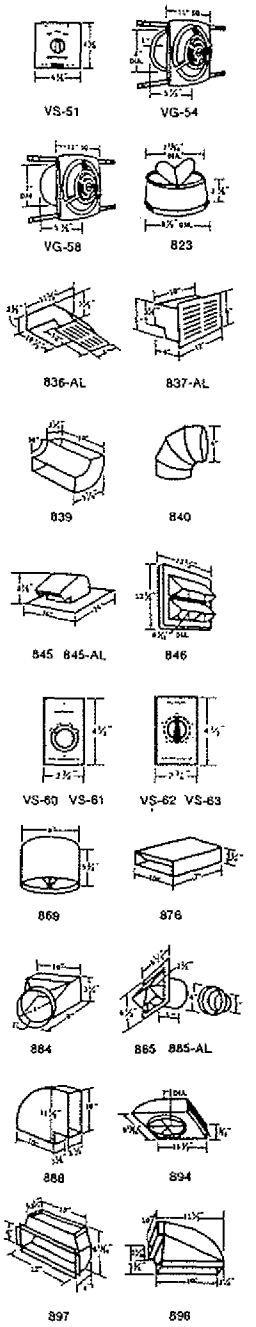
Finish	30" HOODS Model	Each	36" HOODS Model	Each	42" HOODS Model	Each
Colonial Copper Enamel	V-28CC30	38.33	V-28CC36	39.33	V-28CC42	40.33
Avocado Green Enamel	V-28AG30		V-28AG36		V-28AG42	
White Enamel	V-28WE30		V-28WE36		V-28WE42	
Harvest Gold Enamel	V-28HG30		V-28HG36		V-28HG42	
Stainless Steel	V-28SS30	55.67	V-28SS36	56.67	V-28SS42	57.67
CERTIFIED TEST DATA						
Air Delivery			Sound Level Range from High to Low			
160 CFM Horiz. 140 CFM Vertical			5.1 to 3.7 Sones			



NuTone Ventilation Accessories

MODEL	DESCRIPTION	
BG9R	Bird Guard for RF-1N Fan.	3.67
BG9W	Bird Guard for WF-1N Fan.	3.33
VF-32	Filter Kit for V-30 Hood when Exterior Mounted Power Unit is used. Use with or without Light Kit (VL-39 or 6070).	8.20
VL-39	Light-Kit with Solid-State Speed Control for Fan. Use in V-30 Hood with Exterior Mounted Fan, or with Wall Fan.	14.33
6070	Light-Kit includes rotary On/Off Controls for light and fan. Use in V-30 Hood with Exterior Mounted Fan, or with Wall Fan.	7.67
VS-51	Two-Speed Switch for RF-1N or WF-1N Fans.	7.67
VG-54	Grille-Damper Assembly for RF-1N or WF-1N Fans (for Kitchens and Recreation Rooms). Use 8" round duct.	9.07
VG-56	Grille-Damper Assembly for RF-1N or WF-1N Fans (for Bathrooms). Use 3" round duct.	4.67
VG-58	Grille-Housing Sleeve Assembly. Consists of 7" round sleeve, anodized aluminum grille and aluminum mesh filter. For inside wall or ceiling when Exterior Mounted Power Units RF-35, WF-35, RF-17 and WF-17 are used independently of V-27 and V-30 Series Hoods.	7.53
VG-59	Grille-Damper Assembly. Install in ceiling when RF-40 Blower is used independently of V-40 and V-45 Hoods.	11.93
*VS-60	3-Speed Switch for all NuTone Fans except 8080-8090. Pull Chain Type, RF-1N or WF-1N.	5.67
*VS-61	3-Speed Switch. For 8080-8090 Fans.	5.67
*VS-62	60-Minute Time Switch for use with NuTone Electric Heaters and all NuTone fans, except Pull Chain Type.	7.67
*VS-63	15-Minute Time Switch for use with NuTone Electric Heaters and all NuTone Fans, except Pull Chain Type.	7.67
*VS-64	Solid-State Speed Control Switch. Provides for unlimited choice of fan motor speeds. For use with all NuTone Kitchen and Bathroom Fans and Blowers (except Pull Chain type).	9.47
*VS-65	Solid-State Speed Control Switch. Provides for unlimited choice of motor speeds for Exterior-Mounted Blowers RF-1N, WF-1N and RF-40.	10.33
†VS-66	Switch with 60-minute time and a separate "On-Off" control. For two-gang outlet box.	10.00
†VS-67	Switch with 60-minute timer and two separate "On-Off" controls. For two-gang outlet box.	11.00
†VS-68	Switch with 15-minute timer and a separate "On-Off" control. For two-gang outlet box.	10.00
†VS-69	Switch with 15-minute timer and two separate "On-Off" controls. For two-gang outlet box.	11.00
*VS-86	Switch with two "On-Off" controls. One marked "Light". One marked "Vent". For use with fan-light combination Models 8662 and 8672. May also be used with any NuTone ventilator in conjunction with separate lighting arrangement. For standard single outlet box.	3.67
*HS-91	Switch with two "On-Off" controls. One marked "Vent". One marked "Heat". Use with NuTone Models 9425 and 9415 Heat-A-Vents. May also be used with NuTone Heater and NuTone Ventilator in separate installations in the same room. For standard single outlet box.	3.67
*HS-92	Switch with two "On-Off" controls. One marked "Light". One marked "Heat". Use with Models 9011 and 9015 Heat-A-Lites. May also be used with any NuTone heater in conjunction with separate light arrangement. For standard single outlet box.	3.67
*HS-93	Switch with three "On-Off" controls. One marked "Light". One marked "Vent", and one marked "Heat". May be used with NuTone Vent-Lites and a separate heater or with any NuTone heat-a-vent in conjunction with separate light arrangement. For standard single outlet box.	4.67
711	Replacement Charcoal Odor Filter for 7415 Hood-Fan.	7.33
713	Replacement Charcoal Odor Filter for 7435 Hood-Fan.	8.67
721	Replacement Smoke Filter for 7415 Hood-Fan.	2.33
723	Replacement Smoke Filter for 7435 Hood-Fan.	2.67
750	Wall Mounting Bracket for 7000 and 7400 Hood-Fans.	4.33
812	Aluminum mesh filter for 8150 Fan.	2.33
823	Reducer with damper. Adapts 8220 to 8" dia. duct.	2.47
824	Transition Elbow with damper. Use with 8220 for 90° turn to 3¼" x 10" duct size.	3.07
825	Extension Sleeves for 8" Wall Fans. Use to increase length of fans by 12" or less.	2.00
827	Extension Sleeves for 10" Wall Fans. Use to increase length of fans by 12" or less.	2.00
830	3" Adjustable Elbow for 3" round duct.	1.80

†Timer section may be used to control any NuTone heater or ventilator. "On-Off" section may be used for a separate light, ventilator or heater. 4-9/16" wide x 4½" high.



MODEL	DESCRIPTION	
834	Filter for 8060-8090, 8210, 8220 and 8310 Fans.	2.00
836-AL	Eave Cap with Grille made of Aluminum. Has weather louver. Use to terminate 3¼" x 10" duct.	4.80
837-AL	Flush Wall Cap with Aluminum Grille. Has weather louver. Use to terminate 3¼" x 10" duct.	4.80
838	Wall Cap with weather louver. For 3¼" x 10" duct.	4.13
838-AL	Wall Cap with 2-piece detachable sleeve. Aluminum hood, panel, connecting sleeve and weather louver. Use to terminate 3¼" x 10" duct.	4.67
839	Elbow 90° turn. For use with 3¼" x 10" duct.	2.73
840	Adjustable Elbow for use with 4" round duct.	1.80
841	Roof Cap with weather louver. For duct size up to 4" diameter. Baked Enamel Finish on Zinc Grip Steel.	3.93
841-AL	Roof Cap made of Aluminum with weather louver. For duct sizes up to 4" diameter.	5.00
845	Roof Cap with weather damper. For duct size up to 10" square. Spring operated louver. Baked Enamel Finish on Zinc Grip Steel.	7.00
845-AL	Roof Cap, made of Aluminum, with weather damper. For duct sizes up to 10" sq. Spring operated louver.	10.33
846	Wall Cap. Use to terminate 8" round duct.	6.67
847	Transition — 10" round to 7" round. Use with RF-35 or RF-17 to connect 7" round duct to 10" round extrusion in V-40 or V-45 hood top.	3.00
848	Transition — 10" round to 8" round. Use with RF-1N to connect 8" round duct to 10" round extrusion in V-40 or V-45 hood top.	3.00
852	Replacement Smoke Filter for V-43 and V-48 Series Hood-Fans.	2.00
853	Replacement Charcoal Filter for V-25, V-43 and V-48 Series Hood-Fans.	5.67
854	Filter for 8170, 8190, 8490 and 8510 Fans.	2.07
855	Replacement Smoke Filter for V-34 Series Hood-Fan.	2.13
856	Replacement Charcoal Odor Filter for V-34 Hood-Fan.	7.87
857	Transition — 3¼" x 10" to 7" round (5" long). For wall installation only. Use with Exterior Mounted Wall Fans (WF-35 and WF-17) to back duct knockout on hood.	3.33
859	Wall Mounting Bracket Kit for use with V-25 and V-34 Series Hood-Fans.	1.80
868	3" Wall Cap & 90° Elbow Assembly. For 3" round discharge bathroom fans in outside wall installations.	4.13
869	Damper Section. 8" dia. Spring operated Aluminum louver.	2.67
874	Damper Section. 10" round. Spring operated Aluminum louvers. Use with 10" round duct or with RF-40 Roof Fan. Overall height 7".	6.33
876	Damper Section 7" long. For use with 3¼" x 10" duct.	3.33
877	Transition — 6" round to 3¼" x 10".	3.00
878	Damper Section. Fits into 7" diameter duct.	1.33
879	Filter for 8700 Twin Blower.	3.33
884	Transition — 8" round to 3¼" x 10".	3.00
885	Wall Cap with weather louver. For use with 3" or 4" round duct. 3" to 4" round transition included.	2.60
885-AL	Wall Cap made of Aluminum with weather louver. For 3" to 4" round duct. 3" to 4" transition included.	3.67
886	Transition — 7" round to 3¼" x 10" (6" long).	3.00
888	Flat Elbow for 90° turn. Use with 3¼" x 10" duct.	3.67
889	Consists of 5 sections of 3¼" x 10" duct. Each section 24" long. Carton of 5. No less sold.	10.33
890	Consists of 5 sections 7" round duct. Each section 24" long. Carton of 5. No less sold.	7.93
891	Consists of 5 sections of 8" round duct. Each section 24" long. Carton of 5. No less sold.	9.00
892	Consists of 5 sections 4" round duct. Each section 24" long. Carton of 5. No less sold.	6.00
893	Consists of 5 sections of 3" round duct. Each section 24" long. Carton of 5. No less sold.	5.67
894	Transition Elbow with damper. Use with V-20 and 8200-8210 Fans for 90° turn to 3¼" x 10" duct size.	3.13
895	Damper Section. Fits 7" diameter duct.	1.93
897	Transition Elbow with louver, 90°, 4" x 12" to 3¼" x 10". For V-28, V-26, V-30 and 7000 Series Hood-Fans.	5.00
898	Right Reverse Elbow. For use with 3¼" x 10" duct.	4.67
899	Left Reverse Elbow. For use with 3¼" x 10" duct.	4.67

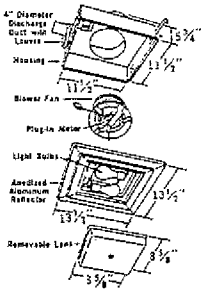
*For Standard Single Outlet Box. Wall Plate 2¾" wide x 4½" high.

All switch plates, except VS-51, finished in Champagne Gold.

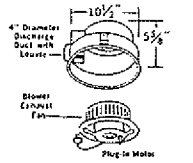
Splash Plates

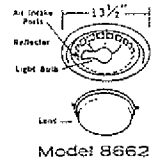
Finish (All Splash Plates 24" High)	30" Wide Model	Each	36" Wide Model	Each	42" Wide Model	Each
Colonial Copper Enamel	SP-17CC30	5.20	SP-17CC36	5.60	SP-17CC42	6.00
Avocado Green Enamel	SP-17AG30		SP-17AG36		SP-17AG42	
White Enamel	SP-17WE30		SP-17WE36		SP-17WE42	
Harvest Gold Enamel	SP-17HG30		SP-17HG36		SP-17HG42	
Brushed Antique Copper	SP-17BR30	7.07	SP-17BR36	7.73	SP-17BR42	8.40
Silv. Anodized Aluminum	SP-17SA30	11.33	SP-17SA36	12.67	SP-17SA42	14.00
Stainless Steel	SP-17SS30	15.80	SP-17SS36	18.33	SP-17SS42	20.87

NuTone Exhaust Fans

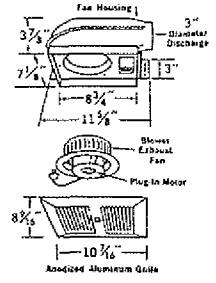


Model 8672

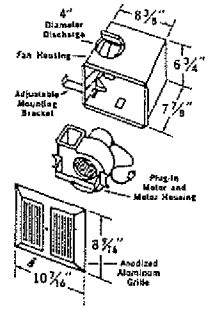




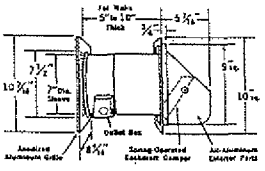
Model 8662



Model 8832



Model 8810



Model 8870

BATHROOM FAN-LIGHT COMBINATIONS

Model 8672

• Ventilation plus bright Light in one compact Ceiling Fixture • AMISTAT styling with beveled, multi-facet Reflectors • New Motor-Mount 'floats' blower fan on neoprene cushions • Grille slants, to channel air to intake-ports • Top Grille is 13½" sq.; extends less than 2" from ceiling • Deep Lens, for shadow-free light, is 8⅝" sq., 1½" deep • Uses two 60 watt bulbs (not furnished) • Reflector assembly adjusts for ceiling finishes to 1¼" thick • Twin receptacles in housing for pre-wired plug-in Power Unit and Reflector Lens Assembly.

Model 8662

• Offers full-circle lighting • New Motor-Mount 'floats' blower fan on neoprene cushions • Hinged lens • Uses 100 watt bulb (not included) • Adjustable brackets for plaster variations • 2 hanger bars for 16" or 24" O.C. joists • Extends only 2⅛".

Extra Features Common to #8672 and #8662

• Built-in backdraft dampers eliminate drafts • Can be wired for simultaneous or separate fan, light operation • Discharge to the outside through 4" dia. duct • Adjustable mounting brackets, for fast installation • Install between 2" x 6" joists • Anodized grilles and reflectors • Use Model VS-64 Solid-State Speed Control Switch

BATHROOM BLOWER FANS

Models 8833 and 8832 for Ceilings or Walls

• Especially for bathrooms where closed doors require fans with high static pull • Less than 4" thin • Ultra-quiet fans have airotor centrifugal wheels • Motor-mounts 'float' them on Neoprene cushions • Mounting brackets are welded to housings • For 16" or 24" o.c. joists or studs • Use 3" round duct to outside • Built-in aluminum dampers • Plug-in motors are self-lubricating, impedance protected, moisture-proof and U.L. listed • Use with VS-62 60-Minute Time Switch, VS-63 15-Minute Time Switch or VS-64 Solid State Speed Control (see Ventilation Accessories).

Model 8833 has new 2-piece grille with concealed air-intake ports, bright aluminum beveled frame (10⅞" x 8⅛") with a Brushed Aluminum center panel (7⅝" x 5⅝") that can be finished to match wall or ceiling decor.

MODEL 8832 has 1-piece sculptured air-intake grille of Silver Anodized Aluminum, and stud for wide-range of adjustments.

Model 8810 — For Ceilings

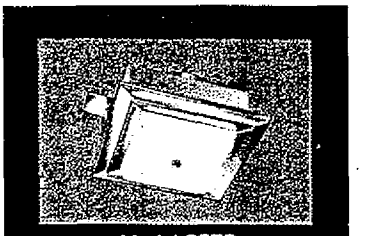
• For extra large bathrooms or long duct-runs; where closed doors require fans with high static push • High speed, powerful, centrifugal Blower • New anodized, sculptured Intake Grille • Removable duct flange, for remodeling • Aluminum backdraft damper keeps out drafts • Discharges air through 4" round duct • Adjustable bracket • No blocking between joists • Plug-in Motor, with snap-in handle on Motor Housing Assembly • Complete Power Unit Assembly snaps out for easy cleaning; no tools necessary • Cutout for Housing: 8½" x 6⅞" • Use Model VS-64 Solid-State Speed Control

THRU-THE-WALL BATHROOM FAN

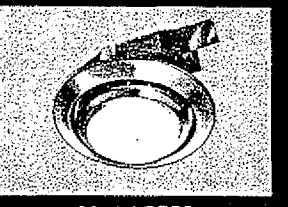
Model 8870

• Automatic, wall-switch operated, wall fan especially designed for bathrooms . . for new construction and remodeling • 7" round sleeves telescope to fit wood or masonry walls from 5" to 10" thick • The all-aluminum exterior parts eliminate painting and costly maintenance • Spring-operated backdraft damper opens when fan is on; closes on a cushioned frame for tight weather-seal when fan is off • 'Plug-In' Motor is Thermal-Protected • Smartly-styled Louver Housing channels air smoothly to the outside • Blade is electronically balanced • Silver Anodized Aluminum Grille measures 8¾" x 10⅜".

Model No.	Anodized Aluminum Grille — Size	Duct Size	Certified Test Data		Each
			Air Delivery	Sound Level	
8672	13½" square	4" dia.	90 CFM	2.5 Sones	31.00
8662	13¼" dia.	4" dia.	90 CFM	3.3 Sones	29.67
8810	8¾" x 10⅜"	4" dia.	90 CFM	4.8 Sones	20.60
8832	8¾" x 10⅜"	3" dia.	70 CFM	3.2 Sones	19.27
8833	8¾" x 10⅜"	3" dia.	70 CFM	3.2 Sones	20.60
8870	8¾" x 10⅜"	7" dia. sleeve	80 CFM	3.7 Sones	15.00



Model 8672



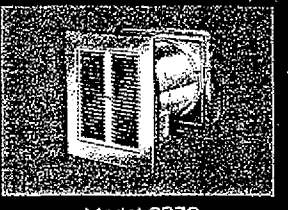
Model 8662



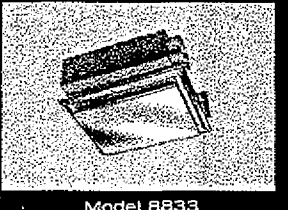
Model 8832



Model 8810



Model 8870



Model 8833

CERTIFIED SOUND-LEVEL RATINGS IN *SONES, ON ALL VENTILATING FANS!

*A Sone is the accepted unit for measuring the intensity of sound. For quieter operation, NuTone Fans are tested, rated, labeled, to show Certified Sound-Level, as well as Certified Air-Delivery. All are well within established 'comfort-levels' of sound emitted by ventilating equipment. LOOK FOR THIS SEAL.



NuTone Exhaust Fans



Model 8150

View from inside of room



View from outside

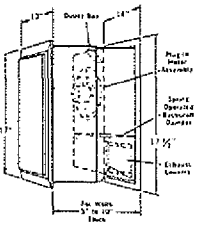
NOW! A FLUSH-MOUNTED WALL FAN

New Concept in Efficient, Quiet Ventilation . . for Kitchens, Family Rooms, Basements, Laundries

Fits flush with inside wall! Fits flush with outside wall! Entire mechanism, including Power Unit and patented, Spring-Loaded Automatic Backdraft Damper conceals in outside walls from 5" to 10" thick. Sleeves telescope, for fast, easy installation.

Inside, an attractive 13" x 17" aluminum beveled frame surrounds a flush 10" x 14" aluminum Center-Panel, around which air enters through concealed intake-ports. Center-Panel can be finished to match walls, counter-tops or appliances. All parts are accessible from the 'snap-out' inside Center-Panel. An Aluminum-Mesh Grease Filter, Model 812, is optional, extra.

Outside, a 14" x 17½" panel of baked-enamel on zinc coated steel contains 2 rows of pierced louvers designed to deflect air away from exterior wall-surface. Wall panel projects only ⅞". Certified Air-Delivery: 200 CFM. Motor is self-lubricating, thermal-protected, U. L. listed. Backdraft Damper opens within housing when fan is turned on; closes tightly for complete weather-seal when fan is turned off. Fan may be used with NuTone's VS-64 Solid-State Control; #VS-60 3-Speed Switch; #VS-62 60-Minute, or #VS-63 15-Minute Time Switches.



Model	Certified Test Data		Each
8150	Air Delivery: 190 CFM	Sound Level: 4.1 Sones	29.67

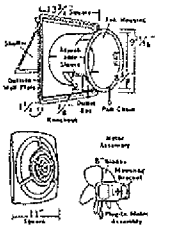


8" and 10" Wall Fans

Pull-Chain and Automatic

Pull-Chain Fans: Louvered outside door closes tightly to provide positive weather-seal. Built-in switch operates from high-test stainless steel pull-chain. Wind-tunnel type housing, for straight through-the-wall ventilation.

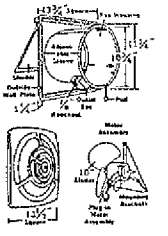
Automatic Fans: Patented Shutter opens automatically when Fan is turned on; closes tightly under spring-tension when Fan is not operating. Outside canopy channels air smoothly away from wall.



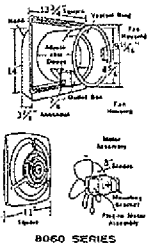
8000 SERIES

Features Common To Pull-Chain and Automatic Wall Fans

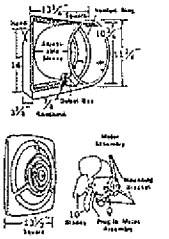
Outside parts made from zinc-coated steel with baked-on enamel finish, for minimum maintenance. Telescoping sleeves, for any wall thickness; no ductwork needed. Plug-in motors have snap-in brackets; remove easily for cleaning. Motors are self-lubricating, thermal protected. U. L. listed. 8"-Fans fit 9⅛" dia. wall opening; 10"-Fans fit 11⅛" diameter wall opening. Use Model 834 Filter for 8"-Fans; Model 854 Filter for 10"-Fans. Use Model VS-64 Solid-State Switch, for Automatic Fans, for unlimited choice of speed and sound-level best suited for each ventilation need.



8110 SERIES



8060 SERIES

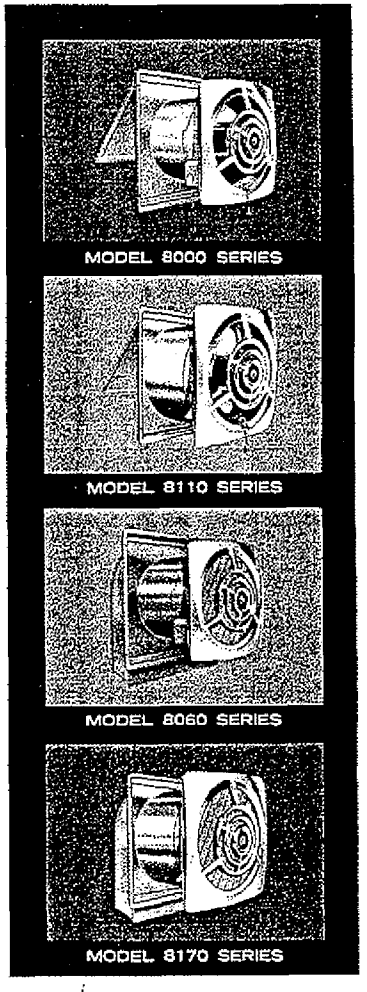


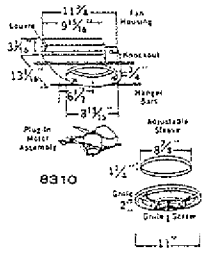
8170 SERIES

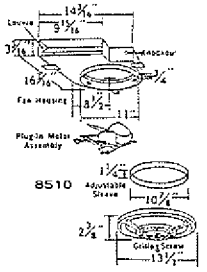
Model No.	Blade Size	Grille Finish and Size	Wall Thickness	Certified Test Data Air Delivery	Certified Test Data Sound Level	Each
PULL CHAIN WALL FANS						
8000 8020 8040	8"	White Enamel 11" square	5" to 10⅛" 9" to 14⅛" 3⅜" to 6¼"	250 CFM	4.0 Sones	22.00
8010 8030 8050	8"	Silver Anodized Aluminum 11" square	5" to 10⅛" 9" to 14⅛" 3⅜" to 6¼"	250 CFM	4.0 Sones	22.67
8110 8130	10"	Silver Anodized Alum. 13½" sq.	5" to 10⅛" 9" to 14"	510 CFM	4.2 Sones	29.00
Aluminum Outside Panel and Louver Assembly						
8010-AL	8"	Silver Anodized Alum. 11" sq.	5" to 10⅛"	250 CFM	4.0 Sones	24.00
AUTOMATIC WALL FANS						
8060 8080	8"	White Enamel 11" square	5" to 10" 9" to 14"	170 CFM	3.6 Sones	22.00
8070 8090	8"	Silver Anodized Alum. 11" sq.	5" to 10" 9" to 14"	170 CFM	3.6 Sones	22.67
8170 8190	10"	Silver Anodized Alum. 13½" sq.	5" to 10" 9" to 14"	290 CFM	5.0 Sones	29.00
Aluminum Outside Panel and Hood Assembly						
8070-AL 8090-AL	8"	Silver Anodized Alum. 11" sq.	5" to 10" 9" to 14"	170 CFM	3.6 Sones	24.00

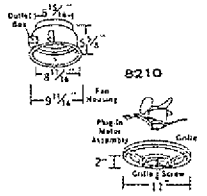
Wall-Fans with All-Aluminum Exteriors

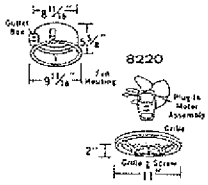
'-AL' Series . . have all-aluminum outside panel and louver assembly. Smart appearance! No need for painting or costly maintenance. All exterior parts take care of themselves; are rustproof, resist weather.

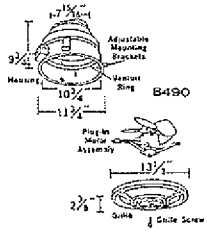


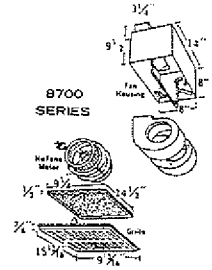


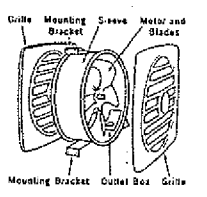












Ceiling or Inside-Wall Exhaust Fans

8″ Model 8310 ONLY

Extension Hanger Bars included for 16″ or 24″ OC joists or studs.

10″ Model 8510 ONLY

Weld-on tabs fit 16″ OC ceiling joists or studs.
Will ventilate large 10′ x 15′ Kitchen.

Features of Models 8310 and 8510

For ceilings or 2″ x 4″ walls. Discharge through 3¼″ x 10″ duct. One-piece electronically balanced aluminum blade. 'Snap-in' Motor and impeller type blade assembly. 3-Point suspension brackets for easy mounting of fan-motor assembly. Housing has a 'plug-in' Electrical Receptacle. Adjustable ring hides rough edges of plaster, or dry-wall. Neoprene mounted, 'plug-in' Motor . . for quiet operation. Grilles are Silver Anodized Aluminum. Have built-in back-draft dampers.

Vertical Discharge Ceiling Fans

Features Common to Vertical Discharge Fans

Thermal protected Motors, U. L. listed. Adjustable mounting brackets for variations in plaster thickness. Extension-type hanger bars, for 16″ or 24″ OC joists. Electronically balanced, aluminum impeller blades. New Model VS-64 Solid-State Speed Control recommended to regulate power and sound-level when full capacity of Fan is not required.

- Use Model 834 permanent, washable Filter for 8″ Fans.
- Use Model 854 permanent, washable Filter for 10″ Fans.

Models 8200 and 8210 ONLY

Specially designed transition type housing reduces dia. of discharge opening to fit 7″ round duct. No reducer needed. Motor assembly tripod is cushioned on rubber, for quiet operation. Housing fits in 9⅛″ diameter opening in ceiling. Use Model 895 Damper (extra) for Model 8200. Grilles are Silver Anodized Aluminum, 11″ dia.

- Model 834 Washable, Permanent Aluminum Filter (extra).

8″ Model 8220 ONLY

For use in smaller rooms. Venturi-type Housing fits 9⅛″ dia. opening in ceiling. Use Model 823 Damper Reducer to fit 8″ diameter duct.

10″ Model 8490 ONLY

For use in medium and large rooms. Housing with Reducer (with built-in damper) fits 8″ diameter duct. Built-in air-vanes in Reducer . . for smooth air-movement. Motor assembly Tripod is cushioned on rubber for quiet operation. Housing fits 11″ diameter opening.

- Model VS-64 Solid-State Speed Control, (extra)
- Model 854 Washable, Permanent Aluminum Filter (extra).

Model No.	Blade Size	Grille Finish and Size	Certified Test Data Air Delivery	Certified Test Data Sound Level	Each
8310	8″	Silver Anodized Aluminum 11″ dia.	180 CFM	5.4 Sones	22.00
8510	10″	Silver Anodized Aluminum 13½″ dia.	310 CFM	6.5 Sones	29.00
8200	7″	Silver Anodized Aluminum 11″ dia.	270 CFM	5.6 Sones	18.33
8210			230 CFM	4.6 Sones	19.00
8220	8″	Silver Anodized Aluminum 11″ dia.	170 CFM	3.7 Sones	16.67
8490	10″	Silver Anodized Aluminum 13½″ dia.	260 CFM	5.1 Sones	26.00

Twin-Blower Ventilators

Model 8700 Series — Two Fans in One

For installation in ceiling, soffit . . or kitchen cabinet above the Range. Two powerful centrifugal blowers operate at the same time, for quiet, efficient ventilation in cooking areas. Housing fits inside cabinet, or ceiling; has built-in backdraft damper. Adjustable for horizontal or vertical discharge. No tools needed to remove blower housing assembly. Model 8720 includes mounting kit and filter. Model 8700 uses #879 permanent, washable Filter (extra).

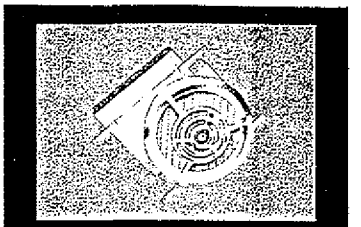
Model No.	Grille Finish and Size	Duct Size	Certified Test Data Air Delivery	Certified Test Data Sound Level	Each
8700	Silver Anodized Aluminum 15⅞″ x 9⅜″	3¼″ x 10″	240 CFM	4.6 Sones	31.93
8720					34.60

Room-To-Room Twin Grille Fan — Model 8141

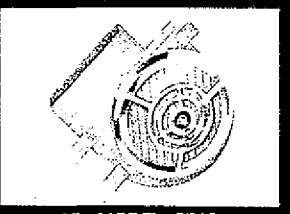
Installs in inside walls. Moves warm air from one room to another which may be hard to heat, or cool air into a warm room, in air-conditioned homes.

Pull-chain operated. For walls 2¾″ to 5⅜″ thick. Mounts between studs in 9¼″ sq. wall opening; has two detachable baked white enamel Grilles.

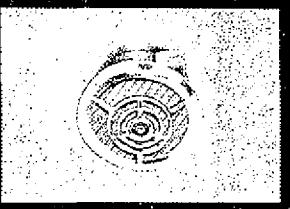
Model No.	For Wall Thickness	Certified Test Data Air Delivery	Certified Test Data Sound Level	Each
8141	2¾″ to 5⅜″	180 CFM	4.0 Sones	17.67



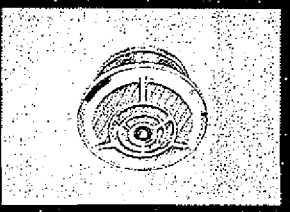
8″ MODEL 8310



10″ MODEL 8510



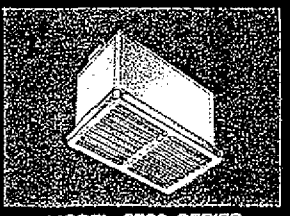
7″ MODEL 8210



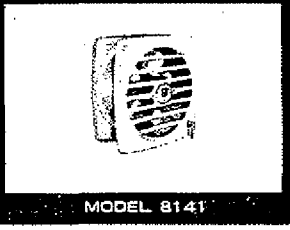
8″ MODEL 8220



10″ MODEL 8490

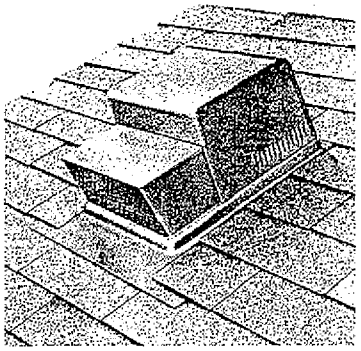


MODEL 8700 SERIES

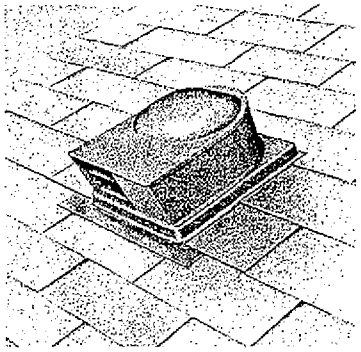


MODEL 8141

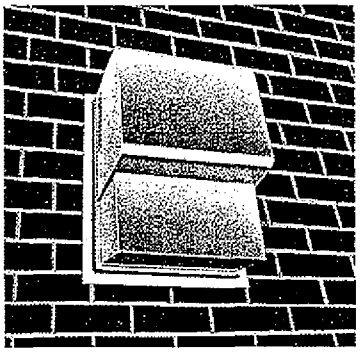
NuTone Exterior Mounted Fans



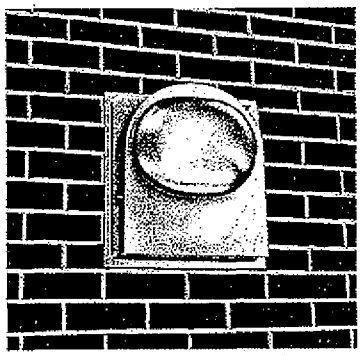
RF-35 Blower



RF-17 Mixed-Flow Impeller



WF-35 Blower



WF-17 Mixed-Flow Impeller

Range Ventilation for the Quiet House, with Exterior-Mounted Roof and Wall Fans

•

All Motor-Sound is Outside the Home!

•

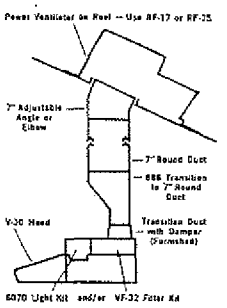
Roof Fans Mount on Pitched or Flat Roofs

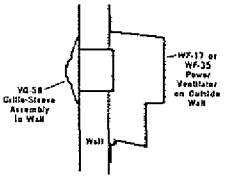
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Wall Fans Mount on Wood or Masonry Walls

When used without Range-Hood use NuTone's VG-58 Grille-Sleeve Assembly.

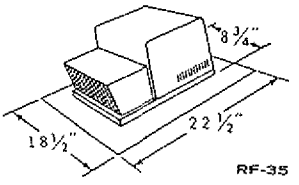
When used with Range-Hood . . choose from NuTone's V-30, V-27, V-40 or V-45 Series Hoods.



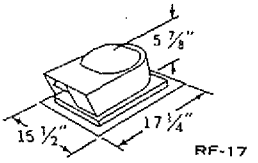


OUTSTANDING FEATURES

- Long-life, permanently lubricated, sealed Ball-Bearing Motor.
- Blower-wheels and blades are electronically balanced . . for smooth, silent operation.
- Contoured housings channel discharging air freely and quietly to the outside.
- Weather-resistant housings are baked-enamel on zinc-coated steel.
- Standard 7" round duct connects to Intake-Collars.
- Built-in aluminum backdraft dampers, with spring control, open automatically when fan is turned on; close tightly on cushioned frame when fan is off.
- Bird-Guards included with Blower Models.
- Low profile: Blower Models only 8¾" high; Impeller Models only 5⅞" high.
- No need for separate Roof Cap or Wall Cap.
- Roof Models are rain-proof proofed up to 1⅞" high; have self-flashing flange.



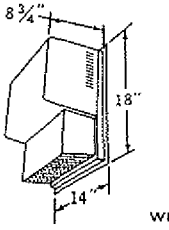
RF-35



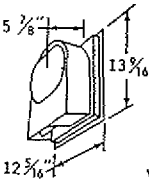
RF-17

RECOMMENDED ACCESSORIES

- Model 6070 Light-Kit for Remote Control. Use with V-30 Series Hoods for range-light. Kit includes Switches for Fan and Light.
- Model VF-32 Filter-Kit. Permanent, Aluminum Mesh Filter removes for easy cleaning; use with V-30 Series Hoods.
- Model VG-58 Grille & Sleeve Assembly. May be used when fans install independently of Hoods.
- Model 890 — 7" Round Duct.
- Use Model 857 Transition for back duct knockout on Hood.



WF-35

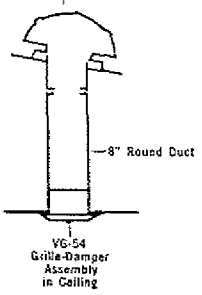


WF-17

Model	Type	Certified Test Data		Each
RF-17	Roof Fan Impeller Type	175 CFM	All Motor Sound is Outside the Home	28.33
RF-35	Roof Fan Blower Type	310 CFM		35.67
WF-17	Wall Fan Impeller Type	175 CFM		27.00
WF-35	Wall Fan Blower Type	310 CFM		34.33

Exterior Mounted
Heavy-Duty Roof and Wall Fans

RF-1N Power Ventilator on Roof

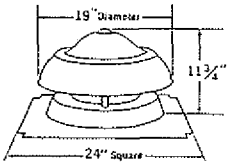


Features Common to Heavy-Duty Roof and Wall Fans

- Quiet! . . . All motor sound is outside.
- All-aluminum heavy gauge housings with stainless steel fittings are rust-proof, weather-resistant, and offer long-life of minimum maintenance.
- Ball bearing motors permanently lubricated, U.L. listed.
- Automatic Reset Thermal Protected.
- Blower Wheels are perfectly balanced for smooth powerful air movement.
- Roof Models have large 24" sq. self-flashing flange; complete rain-seal.
- Roof Models install on pitched or flat roof; Wall Models install on wood or masonry exterior walls.
- No need for separate roof or wall caps.

Model RF-1N Roof Fan

632 CFM — ⅛ HP Motor

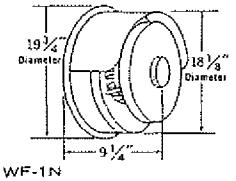


RF-1N

For heavy-duty range ventilation and other applications requiring higher air delivery. Extends only 11¾" above roof. Uses standard 8" round duct. Use with V-30, V-40, V-45 Hoods, or with VG-54 or VG-56 Grille-Damper Assemblies; also for central systems venting 2 or more areas. Adjust air-delivery and sound-level with VS-65 solid state speed control.

Model WF-1N Wall Fan

632 CFM — ⅛ HP Motor



WF-1N

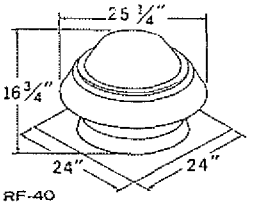
For heavy-duty range ventilation; other requirements for higher air delivery. Extends 9¼" from wall surface . . has exclusive rain shield. Uses standard 8" round duct. Use with V-30, V-40, V-45 Hoods, or VG-54, VG-56 Grille-Damper Assemblies. Also for central systems, to vent 2 or more areas. Adjust ventilation and sound with VS-65 solid state speed control.

Recommended Accessories for RF-1N Roof Fan, WF-1N Wall Fan

- Model VS-65 — Solid-State Speed Control.
- Model VS-51 — Two-Speed Switch.
- Model VG-54 — Grille-Damper. Connects to 8" diameter duct.
- Model VG-56 — Grille-Damper. For bathroom. Connects to 3" dia. duct.

Model RF-40 Roof Fan

1000 CFM — 1/6 HP Motor

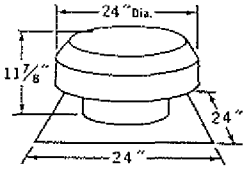


RF-40

For indoor electric and gas-fired ceramic char-rock barbecues; other applications requiring large movements of air. Uses standard 10" round duct. For use with V-40, V-45 'Heritage Series' Hoods, or independently with VG-59 Grille-Damper Assemblies. Adjust air-delivery and sound-level to exact needs with VS-65 Solid State Speed Control.

Exterior-Mounted Attic Cooling Fan — RF-68

With Automatic Thermostat, 1265 CFM — 1/10 HP Motor



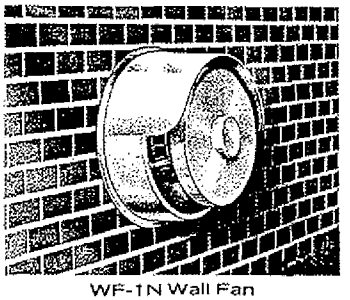
RF-68

Circulates natural air through attic, lowers temperatures in all living areas of the home. Air-conditioning operates more economically. Keeps homes cooler in summer with less heat build-up in attic. Low silhouette: 11⅞" high.

Fits between 16" o.c. rafters, joists or studs. Shipped assembled, in one carton. Includes Bird-Guard. Easy to install. Quiet motor operates at 1025 rpm. For pitched or flat roofs. Protects against heat-moisture deterioration.



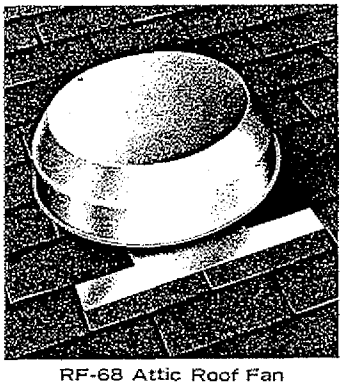
RF-1N Roof Fan



WF-1N Wall Fan



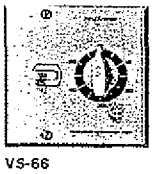
RF-40 Roof Fan



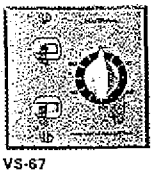
RF-68 Attic Roof Fan

Model No.	Type	Certified Test Data		Each
RF-1N	Roof	632 CFM	All Motor Sound is Outside the Home	83.33
WF-1N	Wall			76.67
RF-40	Roof	1000 CFM		108.67
RF-68	Roof	1265 CFM		72.33

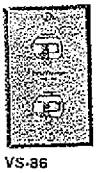
Switches



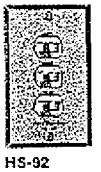
VS-66



VS-67



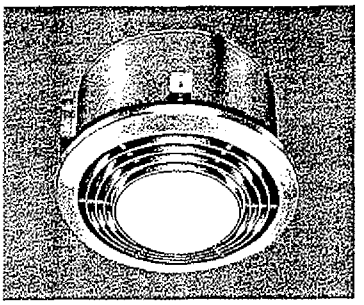
VS-86



HS-92

For use with NuTone Exhaust Fans and Heaters.
For complete information and prices, see Ventilation Accessories

NuTone Electric Heaters

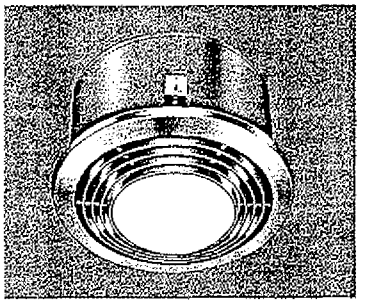


9091 and 9111

Heat-A-Ventlite®
Models 9091 and 9111

Fan-Forced Ceiling Heater, Ventilator and Light

Heat, Ventilation and Light as desired — Heat only, Exhaust only, Light only, Heat and Light, Exhaust and Light. Exhaust louver opens during Exhaust and Exhaust-with-Light cycles. Advanced design in all Silver or Silver-and-Gold Anodized Finishes. Fast heat with an improved Blower that forces heat to floor with full output in 15 seconds! Improved exhaust system for efficient direct air flow, less resistance. Improved lighting, by actual lightmeter readings. Quiet operation (only 3.0 sones) with improved blower, rubber cushioned Motor. Electrically operated exhaust louver opens, closes automatically. Silver and Gold finish Switch Plate is included. Pilot-Light indicates the 'Heat-Cycle'.



9011

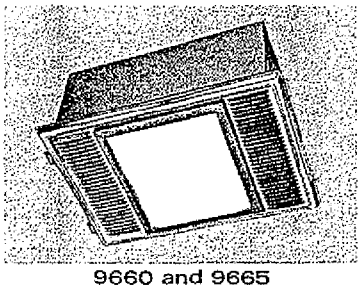
Heat-A-Lite® — Model 9011

Fan-Forced Ceiling Heater and Light

Fan-Forced Heat and Light, separately or together. Wired for optional control of heating cycle with line-type, single pole thermostat** or NuTone Time Switch. Automatically reset thermal protector prevents 'nuisance tripping'. Nickel-Chrome heating element for long life.

Extra Features Common to Models 9091 and 9011

Heating cycle may be controlled with line-type, single-pole thermostat** or Time Switch. Nickel-Chrome heating elements . . for fast heat and long life. Connect to standard 60°C. house wire. Use a 100 watt, short-neck light bulb (not included). Have automatic reset thermal protection. Grilles extend only 2½" from ceiling. Have adjustable hanger bars for joists up to 24" O.C. Motors are rubber-cushioned for quiet operation. 'B' Units plug in, for fast installation. Housings are 13¼" in dia., 7½" deep with a ½" flange. Mounting brackets adjust for '0' to ¾" plaster thicknesses. For auxiliary heating.



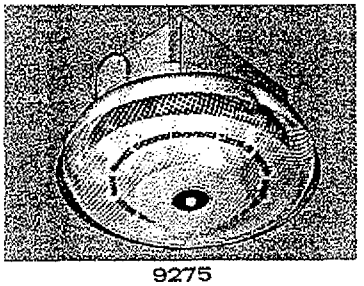
9660 and 9665

Heat-A-Ventlite® — Model 9665

Heat, Ventilation, Light individually, all together or any combination of two. Fan-forced heat evenly through room. Fan exhausts odors, steam and stale air. Moonstone glass lens gives shadow-free light. Extends only 1½" from ceiling, installs between 2" x 8" joists using 4 adjustable mounting brackets and 2 hangar bars. Has 3 wiring knockouts; connects to 60°C. wire. 120 VAC. Includes Switch with 3 'on/off' controls, which fit a standard single outlet box. Specify Model 9665LS for same unit without switch.

Heat-A-Lite® — Model 9660

Same specifications as Model 9665 except without the ventilation feature. 120 VAC. Includes Switch with two 'on/off' controls.



9275

Heat-A-Vent® — Model 9605

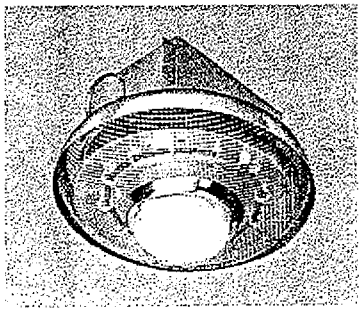
Fan-Forced Heat, or Ventilation, or both together. Blower-type ventilator and completely independent blower-type heater assembly with separate plug-in receptacles. Impedance protected, U.L. listed motors. Nickel-Chrome Heating Element. Anodized Aluminum Grille. Uses 4" duct. Switch included. 120 VAC, connects to standard 60°C housewiring. Extends only ½" from ceiling. Includes a handsome switch with 2 'on/off' controls. Order Model 9605LS for same unit without switch.

Heat-A-Vent® — Model 9275

Instant heat and ventilation together . . . or ventilation alone. Fan housing installs easily with welded on mounting strap, keyhole slots and 3 wiring knockouts. Connects to 60°C housewire and has automatic reset thermal protection. Includes pre-wired switch, for single outlet box, with two 'on/off' controls marked 'Vent' and 'Heat'. Ideal for bathrooms which have windows, or where a separate light is used. Unit extends only 3½" from ceiling.

Heat-A-Ventlite® — 9276

Combination fixture! Combination price! Enjoy all 3 together, ventilation and light together, ventilation only, or light only. Install easily with welded on mounting strap, keyhole slots and 3 wiring knockouts. Connects to 60°C housewire and has automatic reset-thermal protection. Includes prewired switch for single outlet box, with 3 'on-off' controls marked 'Light', 'Vent', and 'Heat'. Light uses a 100w. bulb (not included). Lens snaps out for easy bulb replacement; extends only 4¼" from ceiling. The heater-bowl is 15" in diameter. Vent through 3" round duct.

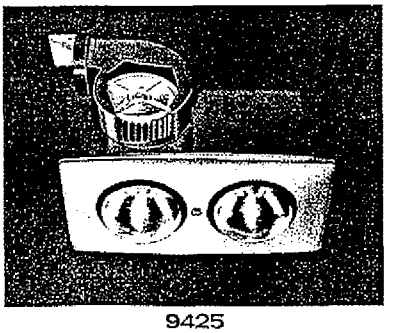


9276

Radiant Ceiling Heater-and-Ventilators

Two-Bulb Heat-A-Vent® — Model 9425
(Formerly Model 9452)

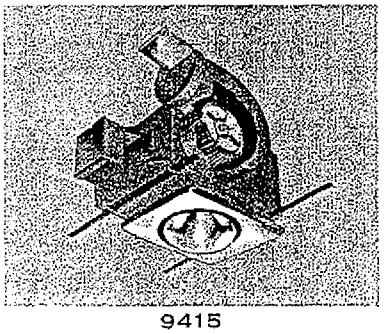
Heat and ventilation, with provision for one or 2-bulb operation using 250w. R/40 infra-red heat lamps (not included). Heat and ventilation separately or at same time. Anodized aluminum ceiling plate, 16½" x 9¼", has single thumb-screw mounting for variations in ceiling thicknesses. Weld-on mounting brackets for easy installation between 2" x 8" joists 16" or 24" o.c. Plug-in centrifugal blower-fan; resilient mounts for quiet operation and quiet 'cooling system' for safe internal temperatures, plus automatic reset thermal protector and automatic built-in backdraft damper. Housing, with built-in junction box, is 14¼" x 10¾" x 7⅜" deep. Vents through 4" dia. duct.



9425

One-Bulb Heat-A-Vent® — Model 9415
(Formerly Model 9451)

Heat and ventilation using an R/40, 250 watt infra-red heat lamp (not included), and 4" round duct. Resilient-mounted plug-in motor and fan assembly; perma-type lubricant. Includes built-in automatic backdraft damper. Wired for switch, time-switch or line-type single-pole thermostatic control. Connects to 60°C housewire. Housing: 14⅛" x 7¾" x 7⅜" deep, installs between 2" x 8" joists and hanger-bars adjust for joists up to 24" o.c. Anodized aluminum ceiling plate is 8½" sq.



9415

Radiant Ceiling Heaters

Surface-Mounted — Models 9294, 9295 and 9296

Supplies heat all the way to floor, not just upper level. Anodized Grille (15" dia.) extends only 3½". Has Automatic Reset Thermal Protector. Unit mounts easily to standard 3" or 4" outlet box. Wired for switch operation or line-type, single-pole thermostat** or time switch control. Enclosed nickel-chrome heat-element, for long life. Connect to standard 60°C house wire. Has quiet cooling system for safe internal temperature. Designed for auxiliary heating.

Surface Mounted — Models 9282 and 9284

(Formerly Models 9283 and 9285)

Supplies quick heat throughout bathroom; not just upper level. Heats directly with armored element, and with reflected heat. Completely silent; no moving parts. New highly functional Grille extends only 7". Reflector is Silver Anodized Aluminum. Unit mounts easily to a 3" or 4" junction box. Wired for switch operation or line-type, single pole thermostat** or time switch control. Armored heating element, for long life. Connect to standard 60°C house wire.

Built-In — Model 9202

Relaxing infra-red heat throughout room! Reflector sends heat in all directions. The new functional Grille has a 16" dia. A quiet cooling system assures safe internal temperatures. Has Automatic Reset Thermal Protector. Housing: 14" diameter, 3½" deep. Wired for switch operation or line-type, single pole thermostat** or time switch control. Enclosed nickel-chrome heating element for long life. Connect to standard 60°C house wire. For auxiliary heating.

Heat A Lamps®
Radiant Ceiling Heaters

One-Bulb Model 9410 (Formerly 9401)

Instant heat at the flick of a switch for small bathrooms in new homes, apartments, motels and remodeling. Housing is 14⅛" long, 7¾" wide, 5⅜" deep and has a ¾" flange, for plaster thickness. Ceiling Plate is Anodized Aluminum; won't rust or corrode.

Two-Bulb Model 9420 (Formerly 9400)

Crisp design . . ideal for new homes, apartments, motels and remodeling. Unit is prewired for control of both lamps together, or individually. Anodized Ceiling Plate. Modular design permits two heaters to be installed in large bathrooms. Installs parallel or at right angle to joists. Housing: 13½" l., 7⅞" w., 5⅜" deep. Has adjustable mounting brackets and a quiet 'cooling system' for safe internal temperatures.

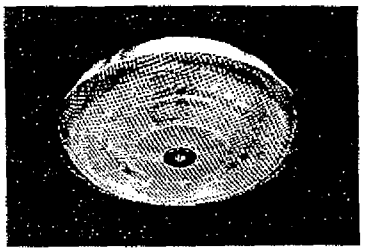
Three Bulb Model 9430 (Formerly 9403)

Pre-wired for individual control of 1 or 2 lamps, or all three lamps together. Handsome sculptured Anodized Aluminum Ceiling Plate . . will not rust, tarnish or corrode. The unit is completely silent; has no moving parts. Mounts easily between 2" x 8" joists, 16" O.C. Has a pre-wired junction-box. Housing is 13⅜" in dia. and only 4¾" deep. Has a quiet 'cooling system' for safe internal temperatures.

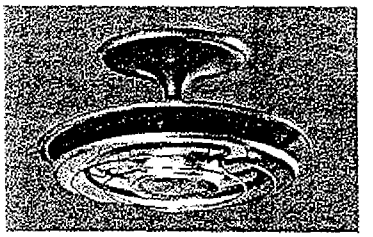
Features Common to Models 9410, 9420, 9430

• Wired for switch operation or line-type single pole Thermostat** or Time Switch control • Adjustable hanger bars for joists up to 24" on-center • Connect to 60°C house wire • Are designed for auxiliary heating • Offer easy installation, with pre-wired junction-box • Use 250 watt (R/40) Infra-Red Lamps (not included) • Completely silent . . No moving parts • Have NuTone's Aluminum Anodized Finish.

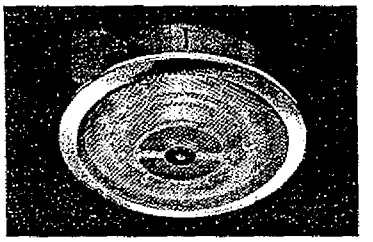
**Heat from Radiant Heaters can cause wall-mounted Thermostats to operate abnormally. Locate them away from, or shielded from, heat rays.



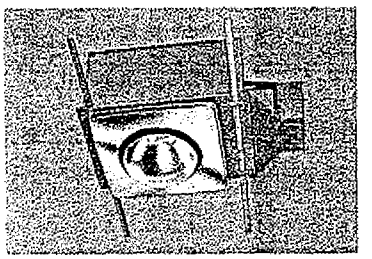
9294, 9295 and 9296



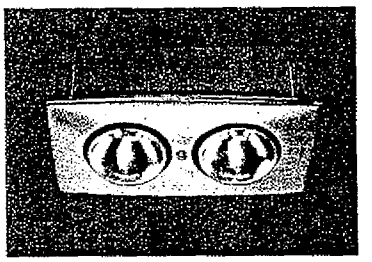
9282 and 9284



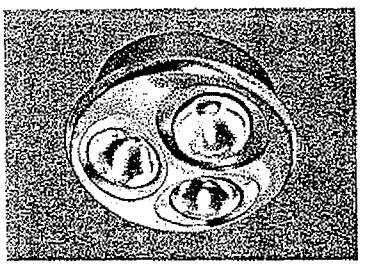
9202



9410



9420



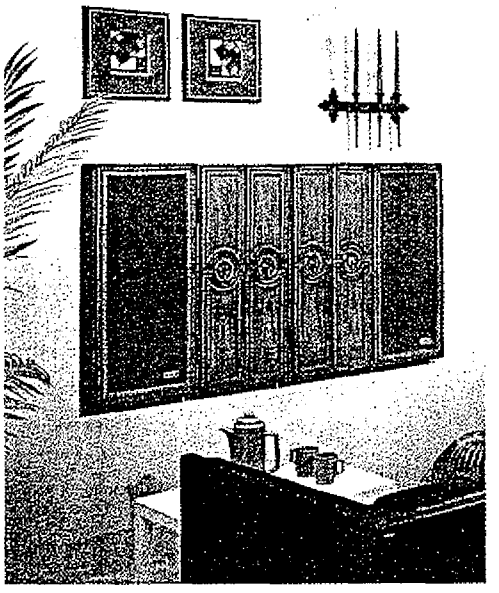
9430

Model No.	Total Connected Load in Watts	Element Watts	Lamp Watts	Fan Motor Watts	Cooling Motor Watts	B.T.U.	Certified Test Data		Each
							Air Delivery	Sound Level	
9091	1630	1500	100	30	—	5118	70 CFM	3.0 Sones	$1.67
G9091	1630	1500	100	30	—	5118	70 CFM	3.0 Sones	51.67
9111	1930	1800	100	30	—	6142	70 CFM	3.0 Sones	55.67
9011	1630	1500	100	30	—	5118	—	—	40.33
9275	1285	1250	—	35	—	4265	40 CFM	3.5 Sones	32.00
9276	1385	1250	100	35	—	4265	40 CFM	3.5 Sones	36.00
9202	1015	1000	—	—	15	3412	—	—	21.27
9282	660	660	—	—	—	2252	—	—	15.00
9284	1000	1000	—	—	—	3412	—	—	15.00
9294	1265	1250	—	—	15	4265	—	—	21.27
9295	1515	1500	—	—	15	5118	—	—	22.60
9296	1265	1250	—	—	15	4265	—	—	24.67
9425	545	—	500	30	15	1706	50 CFM	2.5 Sones	29.67
9415	280	—	250	30	—	853	50 CFM	2.5 Sones	19.33
9410	250	—	250	—	—	853	—	—	6.60
9420	515	—	500	—	15	1706	—	—	15.00
9430	765	—	750	—	15	2559	—	—	25.00
9605	1620	1500	—	60	60	5118	70 CFM		43.00
9605LS	1620	1500	—	60	60	5118	70 CFM		39.67
9660	1660	1500	100	—	60	5118	—	—	37.67
9660LS	1660	1500	100	—	60	5118	—	—	34.33
9665	1720	1500	100	60	60	5118	70 CFM		47.00
9665LS	1720	1500	100	60	60	5118	70 CFM		42.67

Model	Control	Volts A.C.	Total Connected Load in Watts	Element Watts	Fan Watts	B.T.U.	Each
9340	Manual Switch	120	700	700	—	2388	13.67
9342	Automatic Thermostat	120	700	700	—	2388	15.93
*9343	Automatic Thermostat	240	700	700	—	2388	17.27
		208	526	526	—	1795	
9352	Manual Switch	120	1200	1200	—	4094	13.67
9354	Manual Switch	120	1500	1500	—	5118	13.67
9356	Automatic Thermostat	120	1200	1200	—	4094	15.93
9358	Automatic Thermostat	120	1500	1500	—	5118	15.93
9372	Manual Switch	120	1265	1250	15	4265	18.60
9376	Automatic Thermostat	120	1265	1250	15	4265	21.27

*Armored Heating Element

Musicom™ SOLID STATE STEREO ENTERTAINMENT CENTER 2500 SERIES

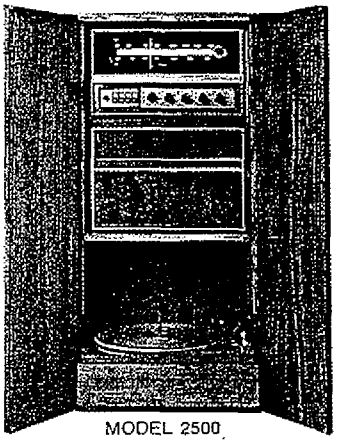


CHOOSE FROM 3 MASTER UNITS
Add Model 2522 Frame Door Assembly

MODEL 2502 — Complete with Amplifier/Tuner, Record Changer and factory installed *Cassette Tape Player/Recorder. Has regulated high audio output for connection of up to 20 inside and outside speakers per channel, as a music-only system . . . or optional Intercom Master Station for centralized control of all speaker locations . . . plus NuTone's Speaker/Clock-Timer. Installs between 16" o.c., 2" x 4" studs. Unit is 14¼" wide, 33½" high.

MODEL 2501 — Complete with Amplifier/Tuner, Record Changer and factory-installed **8-Track Tape Player. Other specifications are same as those for Model 2502.

MODEL 2500 — Includes Amplifier/Tuner, Record Changer, plus provision for adding the *Cassette Tape Player/Recorder or **8-Track Tape Player. Other specifications are same as those for Model 2502. Lateral strip in center panel can slide to expose 2 'jacks' for plug-in auxiliary equipment.



MODEL 2500

*2506 — Cassette

**2505 — 8-Track Tape Player

EACH MASTER UNIT INCLUDES THE AMPLIFIER/TUNER. Partial Specifications: Balanced Fly-Wheel, Vernier Slide-Rule Tuning • Independent FM and AM radio circuits • FM Tuner with field effect transistor (FET) and electronic tuning • Automatic Frequency Control (AFC) • FM-Stereo integrated circuit • Stereo Indicator Light • Tuned AM RF-Stage • 80 Watt Dual Channel High-Fidelity Stereo Amplifier for peak power • Music Program Selector (FM, AM, Phono, Tape, Auxiliary) plus 'Remote' position for exclusive Pushbutton Tuning from Remote Speakers (when Intercom is included as part of the system) • On/Off Volume, Balance and separate Treble and Bass Controls • Loudness Control, Stereo/Monaural and 'Record' switches • Headphone Jack • Terminal Strip in rough-in housing, with plug-in connector for simplified final installation. 120 VAC, 60Hz.

EACH MASTER UNIT INCLUDES THE RECORD CHANGER. Partial Specifications: Plays all record-speeds (16⅔, 33⅓, 45, 78 rpm) • Easy-to-use On/Off Reject-Lever Control • Professional size 11" Turntable accommodates 7", 10", 12" records • 10" and 12" records of the same speed can be intermixed and played automatically • Low-mass Tone Arm, with external Stylus-Pressure Adjustor, for minimum record wear • Tone Arm locks automatically after record has been played • Cueing Control. Allows interruption of playing or moving of Tone Arm to any point on the record without danger of record-damage • High Fidelity Ceramic Cartridge includes diamond and sapphire Styli • Includes a 45 RPM Adaptor.

THE ONLY BUILT-IN STEREO SYSTEM
OFFERING YOU A SEPARATE, OPTIONAL



Intercom System MODEL 2510

Now, a Master Station for room-to-room Intercom and music — separate from but connected to your Stereo Master Unit. The Master Station has twelve 4-position Selector Switches for 'off', 'radio-intercom', 'intercom standby' and 'intercom monitoring'. They control up to 12 speaker locations, including the 5" speaker in the Master Station itself, which has its own Volume Control. Pushbutton-type 'talk-listen' controls for door-answering and room-to-room Intercom and you can answer 'hands-free'. Up to 6 FM stations and an AM station can be pre-selected with pushbutton tuning. Any music originating at the NuTone Musicom Master Station is silenced when Intercom is used, but recording of any music will not be interrupted or otherwise affected.

INSIDE SPEAKERS BRING YOU THE FINEST
STEREO/MONAURAL LISTENING

MODEL 2520 — Matching Deluxe Stereo Speaker System for the MUSICOM Master Unit assures the ultimate in listening pleasure. Two are required in the same room for stereo reception. They are sealed acoustic suspension enclosures, with matched high-compliance 12" woofer, 4" mid-range and 3½" tweeter with tuned crossover network. Order the Frame and Grille Assembly, Model 2523, separately. Add 2519 if used in a music-only system.

MODEL 2511 — 8" Hi-Fi Inside Speaker with 'break-away' remote control panel. For stereo and intercom when used with Model 2512 in the same room, or for monaural listening and intercom when used alone. Control panel removes for use as a remote-control; snap-in panel, to replace it, is included. Separate 'talk-listen' controls for door-answering and room-to-room intercom; pushbutton controls for selecting FM or AM stations and for changing FM stations. Rotary Volume Controls for Channels A and B. Pecan finish frame, textured cloth grille.

MODEL 2512 — 8" Hi-Fi Inside Speaker without controls, for use with Model 2511, above, in rooms equipped for stereo listening. Operates from controls furnished with Model 2511, or 2519 if used in a music-only system.

MODEL 2514B — 8" Metal Speaker that mounts flush with ceiling or wall; may be painted to match decor. Use 2 for stereo, one for monaural listening. Add Remote Control Unit Model 2518, or 2519 if used in a music-only system.

MODEL 2518 — Remote Control Unit for Models 2520 and 2514B. Same controls as described for Model 2511.

MODEL 2516 — Speaker/Clock-Timer, for monaural listening; ideal for master bedroom or other locations. Includes a 5" wide-range speaker, clock-timer and same controls as Model 2511. Setting alarm silences music throughout system, without affecting intercom. Timer can turn music on again for 60 minutes if you so desire. Requires 120 VAC, 60 Hz.

MODEL 2513 — 5" Inside Speaker for monaural listening only. Has separate pushbutton controls for the 'talk-listen' feature of door-answering and room-to-room intercom, for selecting FM or AM broadcasts ,and for changing FM stations. Volume control is the rotary-type. Egg-shell white, louvered grille.

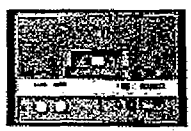
OPTIONAL COMPONENTS

MODEL 2504 — Record/Tape Storage Cabinet. Has a top compartment with fold-down door, for storing microphones, blank tapes, the 45 RPM adaptor furnished with the Record Changer, and other pertinent items. Center section with 3 adjustable shelves stores pre-recorded or blank Cassettes with all titles clearly visible. Bottom compartment provides ample space for your favorite records; panel tips forward for easy access to records you wish to play.

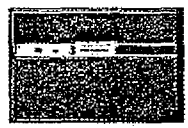
MODEL 2522 — Frame & Door Assembly for the Storage Cabinet and the Master Unit. Neutral Pecan Woodgrain Finish. Order separately. Over-all dimensions 15⅜" wide, 34⅛" high and 4¼" deep.

MODEL 2506 — Cassette Tape Player/Recorder installs easily in the center section of MUSICOM's Master Unit Model 2500. Has a pushbutton 'play' and 'stop' control, index counter and 'pause' control for easy editing, 'fast-forward' and rewind lever . . . plus separate channel-lever controls and meters . . . and there's a control for ejecting cartridges. Microphones are available, extra, for recording on blank tape.

MODEL 2505 — 8-Track Tape Player, installs easily in the MUSICOM Master Unit Model 2500. Will play an entire 8-track cartridge automatically, or any single program-track, independently. An illuminated dial indicates which track is playing.



Model 2506



Model 2505

OUTSIDE SPEAKERS

For Patio, Pool, Garden and Entry

MODEL 2514 — 8" Built-In Outside Speaker. Use 2 for Stereo, 1 for monaural listening. Add Outdoor Remote Control #2515. Weatherproof aluminum. Installs easily in outside wood or masonry walls, in ceiling or soffit.

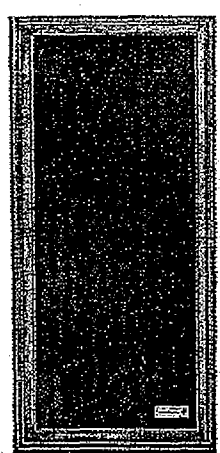
MODEL 2515 — Surface mounted Outdoor Remote Control Unit, for use with Models 2514 and 2517. Includes a protective weathershield. Separate 'talk-listen' controls for door answering and 'outdoor-indoor' intercom. Pushbutton controls for selecting FM or AM stations, and for changing FM stations. Rotary Volume Controls for stereo channels A and B.

MODEL 2517 — Surface mounted Outdoor Speaker for yards, poolside and garden areas. Use 2 for stereo; one for monaural listening, and add Remote Control Unit Model 2515.

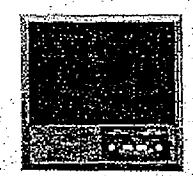
MODEL 2571 — Built-In Door Speaker. Needs no switch; is controlled from Inside or Outside Speakers or Remote Control Units. Callers can use it 'hands-free'. Installs easily in a wall, ceiling or soffit. Gold Anodized & Black Grille.

MODEL 471 — Surface mounted Door Speaker. Mount on wall, ceiling or soffit. No rough-in housing required. Weather resistant housing in Parchment-Tan, Champagne-Gold Anodized Grille.

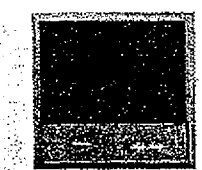
INSIDE SPEAKERS



2520



2511



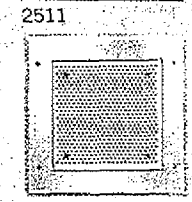
2512



2518



*2519



2514B



2513

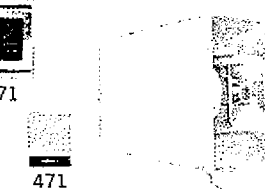


2516

OUTSIDE SPEAKERS

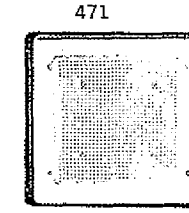


2571



471

2517



2514



2515

*Separate Channel A & B Remote Volume Controls for use with Stereo Speakers 2512, 2514B and 2520, in music-only systems.

All speakers — 45 ohms except #2520 which is 8 ohms.

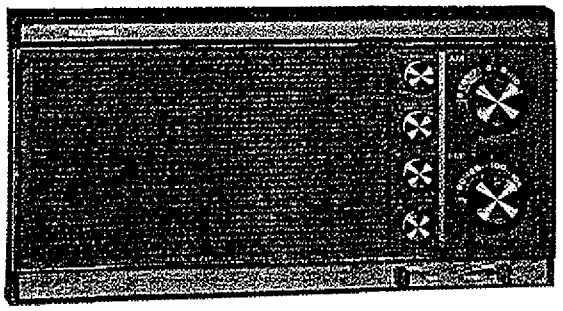
SUGGESTED BASIC MUSICOM™ SYSTEM

1—Musicom Master Unit, 2500, 2501 or 2502 plus Frame-and-Door Assembly, 2522.
1—Storage Cabinet, 2504 plus Frame-Door Assembly, 2522.
2—Deluxe Speaker Systems, 2520 plus Frame-Grille Assembly, 2523.
1—Remote control Unit, 2518 for Deluxe Speakers.
1—Intercom Master Station, 2510.
1—High Fidelity 8" Speaker-with-Controls, 2511, and 1—High Fidelity 8" Speaker-without-Controls, 2512 (2nd room stereo).
3—Monaural 5" Speakers, 2513, for 3 rooms of monaural.
1—Door Speaker, 2571.
WIRE: 1—#2424, 1—#445 and 1—#2422.

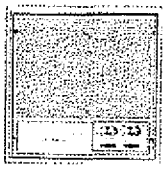
Model	Component	Finish	Width	Height	Depth	Projects	Rough-In	Finish Kit	Each
2500	FM-Stereo, FM/AM Tuner/Amplifier and Record Changer. Add 2522 Frame and Door Assembly.	Russet Leather	14¾"	32½"	3⅞"	—	2500-A	2500-B	413.34
2501	FM-Stereo, FM/AM Tuner/Amplifier, Record Changer and 8-Track Tape Player. Add 2522 Frame and Door Assembly.	Russet Leather	14¾"	32½"	3⅞"	—	2500-A	2501-B	493.34
2502	FM-Stereo, FM/AM Tuner/Amplifier, Record Changer and Cassette Tape Player/Recorder. Add 2522 Frame and Door Assembly.	Russet Leather	14¾"	32½"	3⅞"	—	2500-A	2502-B	693.67
2504	Record/Tape-Storage Cabinet. Add 2522 Frame and Door Assembly.	Russet Brown	14¾"	32½"	3⅞"	—	2504-A	2504-B	47.00
2505	8-Track Tape Player for installation in Model 2500.	Russet Leather	—	—	—	—	—	2505	104.00
2506	Cassette Tape Player/Recorder for installation in 2500.	Russet Leather	—	—	—	—	—	2506	300.00
2510	Intercom Master Station.	Russet Leather & Pecan	17⅛"	9⅛"	3⅛"	2⅝"	2510-A	2510-B	176.67
2520	Inside Deluxe High-Fidelity Speaker System. No Controls (see 2518). Use 2523 Frame and Grille Assembly to complete.	—	14¾"	32½"	3⅞"	—	2504-A	2520-B	83.00
2522	Frame and Door Assembly for 2500, 2501, 2502 and 2504.	Pecan	15⅝"	34⅛"	—	4¼"	—	—	68.67
2523	Frame and Grille Assembly for 2520.	Pecan Frame with Avocado and Black Textured Grille Cloth	15⅝"	34⅛"	—	4¼"	—	—	45.33
2511	8" Hi-Fi Inside Speaker with 'Break-Away' Control Panel.		12¼"	12¼"	2⅝"	⅝"	2411-A	2511-B	28.40
2512	8" Hi-Fi Inside Speaker (No Controls for use with 2511.		12¼"	12¼"	2⅝"	⅝"	2411-A	2512-B	17.06
2513	5" Inside Monaural Speaker.	Egg Shell White	5"	7¼"	1½"	1⅜"	435-A	2513-B	15.87
2514	8" Built-In Hi-Fi Patio Speaker. No Controls (see 2515).	Aluminum	13⅜"	13⅜"	2½"	1¼"	2414-A	2514-B	14.27
2514-B	8" Hi-Fi Inside Metal Speaker — Flush Mounted (see 2518).	Aluminum	12⅜"	12⅜"	3¼"	⅛"	2411-A	2514-B	11.47
2515	Remote Control for Outside Speakers 2514 and 2517. Includes Weather Shield. Surface-Mounted.	Adobe Tan	5⅛"	5¼"	—	4¼"	—	2515	14.67
2516	5" Monaural Speaker/Clock-Timer.	Walnut Frame, Black Panel	11⅛"	7⅛"	1¾"	1⅜"	436-A	2516-B	41.30
2517	Dual Range Surface-Mounted Hi-Fi Outside Speaker. No Controls (see 2515).	Egg Shell White	12¾"	9⅛"	—	10⅜"	—	2517	48.00
2518	Remote Control for Inside Speakers 2514-B and 2520.	Russet Brown	6⅞"	5"	—	⅛"	Standard 3-gang box	2516	13.33
2519	Remote Volume Control for Inside Stereo Speakers. Use with 2512, 2514-B or 2520 Speakers in music-only systems.	Russet Leather and Silver	2¾"	4½"	—	¼"	Single gang box	2519	8.33
2571	Door Speaker — Built-In.	Gold and Black	4⅜"	6⅛"	2¾"	⅜"	2006-A	2571-B	10.33
471	Door Speaker — Surface-Mounted.	Parchment Tan and Gold	5¾"	4⅛"	—	1⅝"	—	—	7.00
488	Recording Microphone for 2502, 2506. Includes 7' cord, plug, desk stand. Two required for stereo recording.	—	—	—	—	—	—	—	10.00
419	Surface-Mount Frame for 2513.	Egg Shell White	6"	7⅝"	—	1⅜"	—	—	4.00

Use NuTone 8-Conductor Wire: 50 ft. #2421 4.80 • 250 ft. #2424 18.33 • 1000 ft. #2425 66.33
2-Conductor Wire: 60 ft. #2422 1.47 • 14-Conductor Wire: 100 ft. #445 16.67 • Outdoor Antenna #2420 11.67

NuTone Radio-Intercom Systems



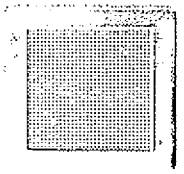
Master Station



N2572



N2570



2573-B



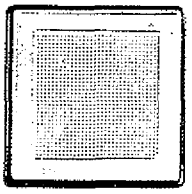
471



REMOTE CONTROLS



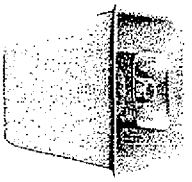
N2013



2573



2571



2574

All Speakers — 45 ohm.

Solid State FM/AM 8 Wire Decentralized Systems Models N2561 and N2562

Each speaker is its own control-center for music, room-to-room intercom and door-answering. Also offers 'stand-by' operation, for intercom-only, plus 'monitoring' other rooms. Adapts for background music, without intercom; ideal for professional offices and waiting rooms. Easy installation. Eight-Wire Cable permits wiring from speaker-to-speaker, not always back to the Master Station. Saves costly 'on-job' time. Master Station can be built-in or surface-mounted. Walnut Frame included.

Outstanding Features

Permits at least 16 Remote Speakers. 24 Solid-State Components. No tubes to replace. Large 9" x 6" Speaker in Master. Automatic Frequency control (AFC) prevents 'drift'. Hands-free door answering from any Speaker. No controls needed at door-speaker. Music is silenced when Intercom is used. Master Station may be built-in or surface-mounted; plugs in, for easy installation. Two phono-jacks for internally wired or plug-in Record Changer. The FM and AM dials are illuminated. A balanced system; less noise pick-up, plus economical station-to-station wiring. Sealed-in metallic finish will not tarnish or corrode. Low-cost operation.

Choice of Inside Speakers

Model N2570—Wide-Range 5" Inside Speaker. Rotary Controls. Separate 'Talk-Listen' switch for Intercom and door-answering. Can mount on surface, using Model 418 Frame.

Model N2572 — Hi-Fidelity 8" Inside Speaker. Break-Away Control Panel removes for mounting as a Remote Control. Bezel frame is furnished for mounting it in a 2-gang wall box. Snap-in panel (included) replaces break-away control on speaker panel. Egg-Shell White. For Walnut-finish, order Model N2572W.

Model 2573-B. A Hi-Fidelity 8" Inside Flush Metal Speaker and remote control panel which mounts in a 2-gang wall box. Speaker mounts in 2411-A Frame, can be painted to match decor.

Choice of Outside Speakers

Model 2573 — Hi-Fidelity 8" Built-In Patio Speaker. Weather-proof aluminum. Includes remote-control panel with Talk-Listen switches and controls which mount in a NuTone surface-mounted housing Model N2013.

Model 2574 — Surface-Mounted Patio Speaker. Completely weather-proof. Remote Control is included; mounts in a surface-mounted housing Model N2013.

Model 2571 — Built-In Door Speaker. Needs no switch; can mount in wall, ceiling or soffit.

Model 471 — Surface mounted Door Speaker. Mount on wall, ceiling or soffit. No rough-in housing required. Die-cast housing in parchment tan with Champagne-Gold anodized Grille.

ADD THE NEW, 2575 SPEAKER / CLOCK-TIMER



Includes 5" wide-range Speaker, volume and function controls, the Talk-Listen switches for music and Intercom PLUS new built-in Clock-Timer. Setting the Alarm silences music throughout the system without affecting Intercom. A 60-minute timer turns on music again after alarm has been set, if you so desire. Awaken to music at the pre-set alarm time! Walnut frame; black grille, panel.

Model	Component	Finish	Width	Height	Depth	Projects	Rough-In	Finish-Kit	Each
N2561	FM-AM Master Station	Avocado and Black	17⅜"	9⅝"	1¾"	2"	2560-A	N2561-B	146.66
N2562	FM-AM Master Station	Bronze	17⅜"	9⅝"	1¾"	2"	2560-A	N2562-B	146.66
N2073	Record Changer	Walnut and Desert Sand	15¾"	15¾"	4"	4"	2073-A	N2073-B	78.33
2575	Speaker-Timer	Walnut Frame; Black Panel	11¼"	7¼"	1¾"	1⅜"	436-A	2575-B	38.46
N2570	5" Inside Speaker	Egg Shell White	9¼"	6½"	1½"	⅞"	2570-A	N2570-B	14.33
N2572	8" Hi-Fi Inside Speaker with "Break-Away" Remote Control	Egg Shell White	12"	12"	2⅞"	½"	2411-A	N2572-B	22.06
N2572W	8" Hi-Fi Inside Speaker with "Break-Away" Remote Control	Walnut	12"	12"	2⅞"	½"	2411-A	N2572-BW	23.73
2573-B	8" Hi-Fi Inside Metal Speaker, Flush mounted, with separate Remote Control.	Aluminum	12⅝"	12⅝"	3⅝"	⅛"	2411-A	2573-B	21.40
2573	8" Hi-Fi Patio Speaker with separate Remote Control *	Aluminum	13¾"	13¾"	2⅝"	1¼"	2414-A	2573-B	22.47
2574	Dual Range, High Fidelity Outside Speaker with separate Remote Control *	Egg Shell White	12¾"	9⅛"	—	10⅝"	—	—	57.00
N2013	Surface mounted Weather shield for outside remote control	Brown	6⅞"	5¼"	—	4⅛"	—	—	5.80
418	Surface Mount Frame for N2570	Walnut	9¾"	6¾"	—	2¼"	—	—	3.67
471	Surface Mounted Door Speaker	Parchment-Tan and Gold	3¾"	4⅜"	—	1⅜"	—	—	7.00
2571	Door Speaker — Built-In	Gold and Black	4⅜"	6⅛"	1¾"	¾"	2006-A	2571-B	10.33
2420	Outdoor FM Antenna	—	—	—	—	—	—	—	11.67

Use NuTone 8-Conductor Wire: 50 ft. #2421 4.80 • 250 ft. #2424 18.33 • 1000 ft. #2425 66.33 • 2-Conductor Wire: 60 ft. #2422 1.47

*Remote Control installs in N2013 Weathershield

NuTone Radio-Intercom Systems

Solid State FM/AM
6 Wire Centralized Systems
Models 2540 and 2541

A system with complete control at the Master Station plus features usually available only in more costly decentralized systems. No sound at the door-speaker unless you send it there! Callers can talk from the door-speaker 'hands-free', without operating a switch. Radio is silenced when Intercom is used. Advanced solid-state design, with Silicon transistors, for maximum performance.

Outstanding Features

Selector Switches at the Master Station for up to ten Remote Speakers. Twenty-three solid-state components. Interference free performance, with field effect transistor FM Tuner. Automatic Frequency Control; no 'drift'. Separate FM and AM slide-rule tuning, with edge-lighted dials. Master Station has 'on-off' Pilot Light. Large speaker in Master, plus open-back housing for true sound fidelity. Plug-in Master Station means easy installation and servicing. Omni-directional Antenna for both FM and AM long-range reception. Phono-jack for internally wired or plug-in Record Changer. All components may be installed in walls as thin as two inches!

Choice of Inside Speakers

Model 2550 — Wide-Range 5" Inside Speaker, in an attractive slim design with pushbutton Talk-Listen Switches for intercom and door-answering. Has edge-operated Volume Control. Can mount on the surface, using NuTone's Model 419 Frame.

Model 2553 — Hi-Fidelity 8" Inside Speaker. Break-Away Control Panel removes for mounting as separate remote control. A Bezel Frame is furnished for mounting it in a 3-gang wall box. Snap-in panel (included) replaces control in speaker panel. Edge-operated volume control; pushbutton-switches for intercom. Egg-Shell White. For Walnut-finish, order Model 2553W.

Model 2556-B — Hi-Fidelity 8" Inside Flush Metal Speaker with a Remote Control Panel which mounts in 3-gang wall box. Speaker mounts in #2411-A Frame and may be painted to match interior decor.

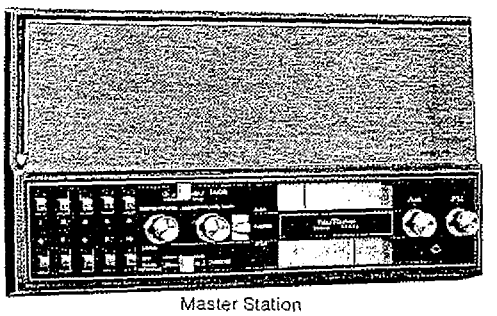
Choice of Outside Speakers

Model 2556—Hi-Fidelity 8" Built-In, Weatherproof Patio Speaker. Remote Control with pushbuttons for intercom and door-answering, is included. Edge-operated Volume Control. Mounts in surface-mounted housing, Model N2013.

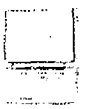
Model 2557 — Surface-Mounted Patio Speaker. Is completely weather-proof; ideal for poolside, yards, gardens. Includes Remote Control which mounts in surface-mounted housing, N2013.

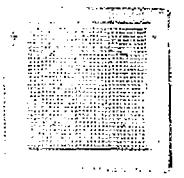
Model 2571 — Built-In Door Speaker. Needs no switch. Can mount in wall, ceiling or soffit. Weather-proof finish.

Model 471 — Surface mounted Door Speaker. Mount on wall, ceiling or soffit. No rough-in housing required. Die-cast housing in parchment tan with Champagne-Gold anodized Grille.


Master Station


2553


2550


2556-B

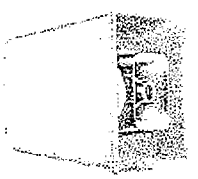

N2013


REMOTE CONTROLS


471


2556


2571

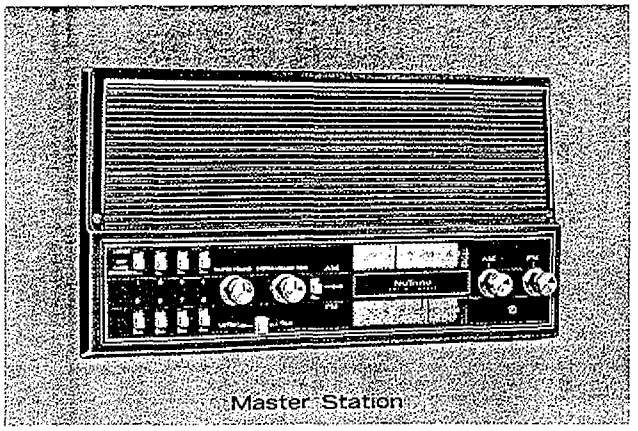

2557

Model	Component	Finish	Width	Height	Depth	Projects	Rough-In	Finish-Kit	Each
2540	FM-AM Master Station	Walnut Finish	16"	8¾"	1¾"	1⅝"	430-A	2540-B	125.00
2541	FM-AM Master Station	Egg Shell White and Beige	16"	8¾"	1¾"	1⅝"	430-A	2541-B	125.00
N2073	Record Changer	Walnut & Desert Sand	15¾"	15⅜"	4"	4"	2073-A	N2073-B	78.33
2550	5" Inside Speaker	Egg Shell White	6"	7⅞"	1"	1⅞"	435-A	2550-B	11.87
2553	8" Hi-Fi Inside Speaker with "Break-Away" Remote Control	Egg Shell White	12¾"	12¼"	2⅝"	⅝"	2411-A	2553-B	21.06
2553W	8" Hi-Fi Inside Speaker with "Break-Away" Remote Control	Walnut	12¾"	12¼"	2⅝"	⅝"	2411-A	2553-BW	22.73
2556-B	8" Hi-Fi Inside Metal Speaker. Flush mounted, with separate Remote Control.	Aluminum	12¾"	12¾"	2⅝"	⅝"	2411-A	2556-B	20.06
2556	8" Hi-Fi Patio Speaker with separate Remote Control *	Aluminum	13¾"	13¾"	2⅝"	1¼"	2414-A	2556-B	21.13
2557	Dual Range High Fidelity Outside Speaker with separate Remote Control *	Egg Shell White	12¾"	9⅛"	—	10⅝"	—	—	55.00
417	Surface Mount Frame for 2540 and 2541 Master	Walnut	16⅜"	9½"	—	1⅞"	—	—	6.40
419	Surface Mounted Frame for 2550	Egg Shell White	6"	7⅞"	—	1¼"	—	—	4.00
N2013	Surface mounted weather shield for outside remote control	Brown	6⅞"	5¼"	—	4⅛"	—	—	5.80
471	Surface Mounted Door Speaker	Parchment-Tan and Gold	3¾"	4⅝"	—	1⅝"	—	—	7.00
2571	Door Speaker — Built-In	Gold and Black	4⅝"	6⅛"	1¾"	¾"	2006-A	2571-B	10.33
2420	Outdoor FM Antenna	—	—	—	—	—	—	—	11.87

Use NuTone 6-Conductor Wire: 200 ft. #447 12.27 • 1000 ft. #448 35.33 • 2-Conductor Wire: 50 ft. #2422 1.47

*Remote Control installs in N2013 Weathershield

NuTone Radio-Intercom Systems



Solid State FM/AM
3 Wire Centralized Systems
Models 2090 and 2091

Offers complete control from the Master Station. Has switches for up to 8 Remote Speakers. Superb performance provides exquisite tone for favorite music throughout the home; intercom for step-saving convenience and the protection of answering the front door from any Remote Speaker. 'All-Call' lever lets you 'page' through all speakers at the same time. Each person can answer without walking to his speaker to operate the controls.

Outstanding Features

22 Solid-State components. Field-effect transistor FM Tuner, for interference-free performance. Automatic Intercom-Override, plus Automatic Frequency Control (AFC). Separate FM and AM slide-rule tuning with edge-lighted dials, plus 'on-off' Pilot Light. Large Master Speaker. Open-back housing for best sound-reproduction. Plug-in Master Station for easy installation and servicing. Phono-jack for internally wired, or plug-in Record Changer. Low voltage operation uses no more current than an electric clock! Installs in wall as thin as two inches.

Choice of Inside Speakers

Model N2027 — Wide-Range 5" Inside Speaker. Rotary volume control with 'Privacy-Setting,' plus Talk-Listen Button. Can mount on the surface, using Model 418 Frame.

Model N2021 — Hi-Fidelity 8" Inside Speaker. Break-Away control removes for mounting as a Remote Control. Bezel frame furnished for mounting it in 2-gang wall box. Snap-in panel replaces control on speaker-panel. Rotary Volume Control with Privacy-Setting; Talk-Listen button for Intercom. Egg-Shell White. For Walnut-finish, order Model N2021W.

Model 2014-B — Hi-Fidelity Inside Flush Metal Speaker and Remote-Control panel. Speaker mounts in #2411-A Frame; can be painted.

Choice of Outside Speakers

Model 2014. Hi-Fidelity Built-In 8" weatherproof Patio Speaker. Remote control with volume control and Talk-Listen button is included and mounts in surface-mounted housing, Model N2013.

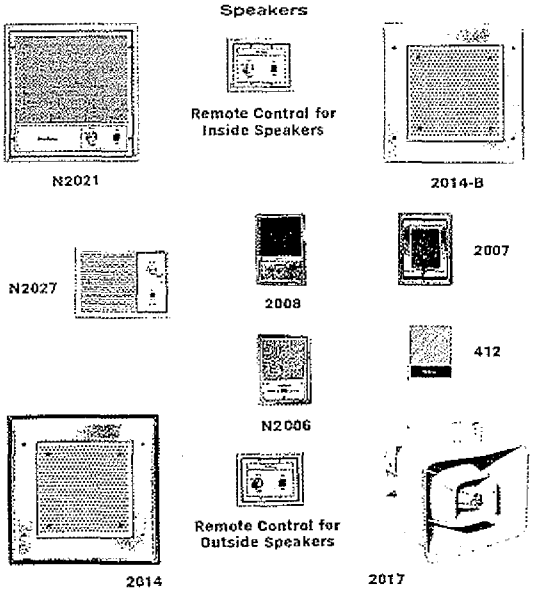
Model 2017 — Surface-Mounted Patio Speaker. Weatherproof. Remote Control is included.

Model 2008 — Built-In Door Speaker in Contemporary design with pushbutton Talk-Listen Switch. Weatherproof.

Model 2007 — Built-In Door Speaker. 3-Position Talk-Listen Switch with center position for 'off'. Weatherproof.

Model N2006 — Built-In Door Speaker. 2-position switch.

Model 412 — Surface mounted Door Speaker. No rough-in required. Includes pushbutton 'talk-listen' switch. Weather resistant finish with gold anodized grille.



Model	Component	Finish	Width	Height	Depth	Projects	Rough-In	Finish-Kit	Each
2090	FM-AM Master Station	Walnut Finish	16"	8¾"	1¾"	1⅝"	430-A	2090-B	117.00
2091	FM-AM Master Station	Egg Shell White and Beige	16"	8¾"	1¾"	1⅝"	430-A	2091-B	117.00
N2073	Record Changer	Walnut and Desert Sand	15¾"	15¾"	4"	4"	2073-A	N2073-B	78.33
N2027	5" Inside Speaker	Egg Shell White	8½"	6⅜"	2⅝"	½"	2025-A	N2027-B	8.00
N2021	8" Hi-Fi Inside Speaker with "Break-Away" Remote Control	Egg Shell White	12"	12"	2⅞"	½"	2411-A	N2021-B	17.73
N2021W	8" Hi-Fi Inside Speaker with "Break-Away" Remote Control	Walnut	12"	12"	2⅞"	½"	2411-A	N2021-BW	19.40
2014-B	8" Hi-Fi Inside Metal Speaker. Flush mounted, with separate Remote Control.	Aluminum	12"	12"	2⅞"	½"	2411-A	2014-B	17.06
2014	8" Hi-Fi Patio Speaker with separate Remote Control *	Aluminum	13¾"	13¾"	2⅝"	1¼"	2414-A	2014-B	18.13
2017	Dual Range High Fidelity Outside Speaker with separate Remote Control	Egg Shell White	12¾"	9⅛"	—	10⅝"	—	—	52.67
417	Surface Mount Frame for 2090 and 2091 Master	Walnut	16⅜"	9½"	—	1⅞"	—	—	6.40
418	Surface Mount Frame for N2027	Walnut	9½"	7¼"	—	2¼"	—	—	3.37
N2013	Surface mounted weather shield for outside remote control	Brown	6⅞"	5¼"	—	4⅛"	—	—	5.80
412	Surface Mounted Door Speaker	Parchment-Tan and Gold	3¾"	4⅜"	—	1⅝"	—	—	11.00
N2006	Door Speaker — Built-In	Gold	4⅜"	5⅞"	1¾"	¼"	2006-A	N2006-B	6.33
2007	Door Speaker — Built-In	Gold	4⅝"	6½"	1¾"	¾"	2006-A	2007-B	11.00
2008	Door Speaker — Built-In	Gold	4⅝"	6½"	1⅝"	⅞"	2006-A	2008-B	9.33
2420	Outdoor FM Antenna	—	—	—	—	—	—	—	11.67

Use NuTone 3-Conductor Wire: 200 ft. #2040 5.67 • 1000 ft. #2042 22.00 • 2-Conductor Wire: 60 ft. #2422 1.47

NUTONE "PACKAGED" MUSIC-INTERCOM SYSTEMS

3-Wire Solid-State FM/AM and AM
Decentralized Systems . . Complete with
Master Station, Speakers and Wire.
FM/AM Models 2063 and 2064
AM Model 2034

Each of These Low-Cost Systems Includes:

- The Master Station — FM/AM or AM
- Three Model 2028 Inside Speakers with 'Latching' Talk-Listen Switch for permanent monitoring.
- One Model N2006 Door Speaker.
- 200 Feet of 3-Conductor Wire.

More Speakers and Other Accessories May Be Added.

Outstanding Features of Both Systems

22 solid state components in Models 2063 and 2064 . . . 14 in Model 2034. Silicon field-effect transistorized FM Tuner in Models 2063 and 2064, plus A.F.C. Automatic intercom override, slide-rule tuning with edge lighted dials and on-off Pilot Light. Large Master Station Speaker, with open back housing for finest sound reproduction. Plug-in Masters for easy installation.

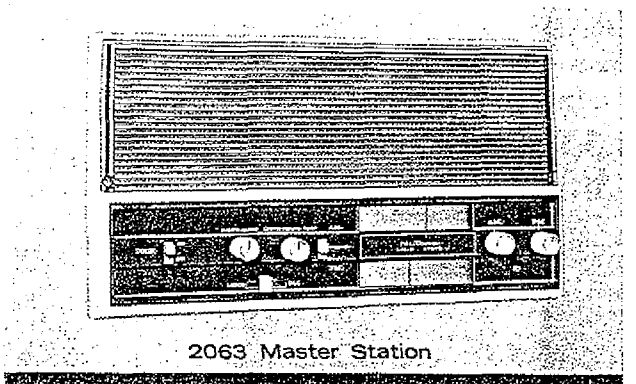
Exclusive 'Latching' Talk-Listen Button on Model 2028 Inside Speaker for permanent monitoring. A single Omni-Directional Antenna for both FM and AM. Phono jack for internally wired or plug-in Record Changer. Installs in walls as thin as 2 inches.

High performance systems . . . with exceptional tone, power and sensitivity of music and convenient room-to-room intercom. Master Station All-Call lever permits paging through all speakers; allows answering without need of operating speaker-controls.

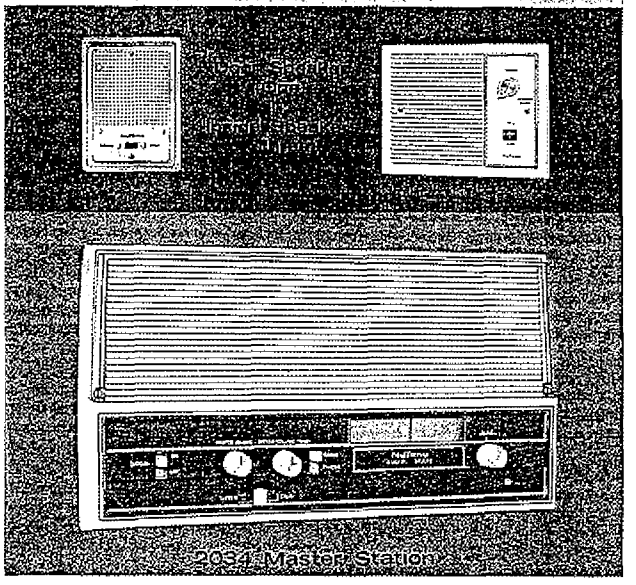
A door Switch on the Master Stations turns Door Speakers off for privacy, or on for door-answering from any Inside Speaker.

MODEL NUMBER		Master Station Only Width	Height	Depth	Proj.	Rough-In	Finish Kit	Each
2063 FM/AM System Egg Shell White Master.	Master Station, 3 Inside Speakers, 1 Door Speaker, 200 ft. 3 Conductor Wire.	16"	8¾"	1¾"	1½"	431-A	2063-B	131.67
2064 FM/AM System Walnut Color Master.						431-A	2064-B	131.67
2034 AM System.						431-A	2034-B	103.00
Additional Accessories								
2028 Inside Speaker		8½"	6⅝"	2¾"	⅝"	2025-A	2028-B	7.00
N2006 Door Speaker		4⅝"	5⅜"	1⅜"	¼"	2006-A	N2006B	6.33
2040 3-Conductor Wire, 200 feet.		—	—	—	—	—	—	5.67

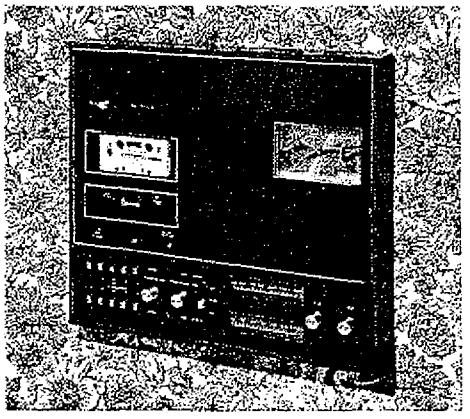
If additional accessories are needed see chart for 3 Wire FM/AM System on preceding page.



2063 Master Station



2034 Master Station



CommuniCenter Master Station — Model 2542

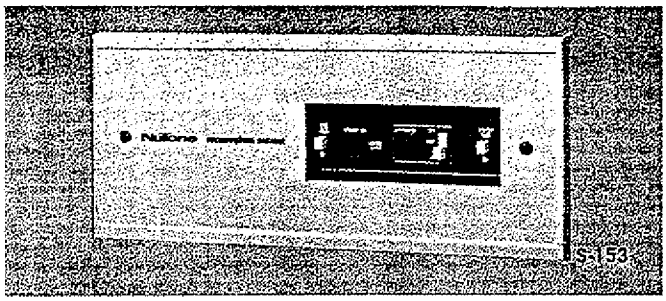
NEW!

NuTone Communi Center . .

Sensational Cassette/FM-AM Radio/Intercom System with Family Message-Center and Convenient Clock-Timer!

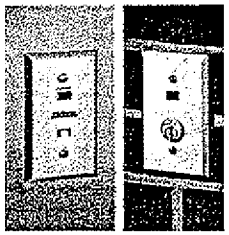
Feature the thrill of FM/AM built-in Music, with Room and Patio Speakers, PLUS the handy new Casette Tape Player/Recorder PLUS the built-in provision for recording messages and instructions to family members, PLUS the Automatic Clock-Timer that wakens your customers to music without interfering with full-time intercom . . . all in NuTone's new Master Station that provides advantages never before available in one easy-to-install system! For complete details, VISIT OUR SHOW-ROOM or CALL YOUR GRAYBAR SALESMAN!

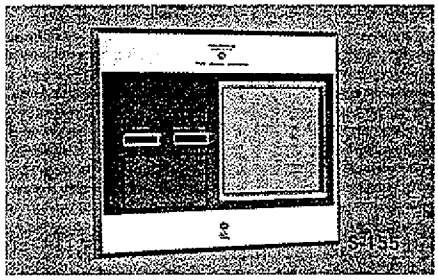
NuTone Security/Fire Systems



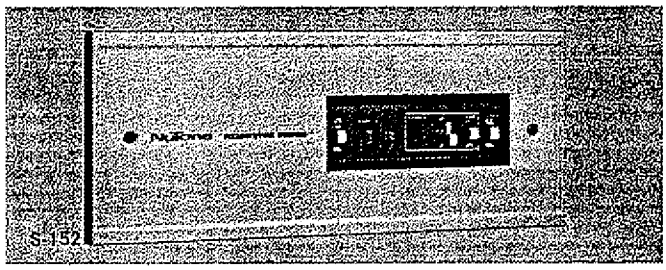
NEW BUILT-IN SECURITY FIRE SYSTEM
WITH PROVISION FOR KEY-LOCK EXIT/ENTRY FEATURE
(available April 1, 1971)

MODEL S-153 CONTROL UNIT tells you whether it's fire or forced entry! Independent circuits detect which it is . . . and provide different alarm signals through a maximum of 2 inside and outside alarm horns. In the event of fire, a steady signal will be heard; in the event of forced-entry a pulsating signal will sound. Controls include one for 'fire-test', one for 'system-reset', one for 'off-test-on', and an indicator light for the security circuit. A Pilot Light tells you the system and fire-detection circuit is operational. Power: 120 VAC, 60 Hz. The unit is 5⅛" high, 12⅜" wide. (Cutout: 4"h., 11¼"w., 2¾"d.); recesses easily in standard 2" x 3" wall construction. **Priced Each $40.00**



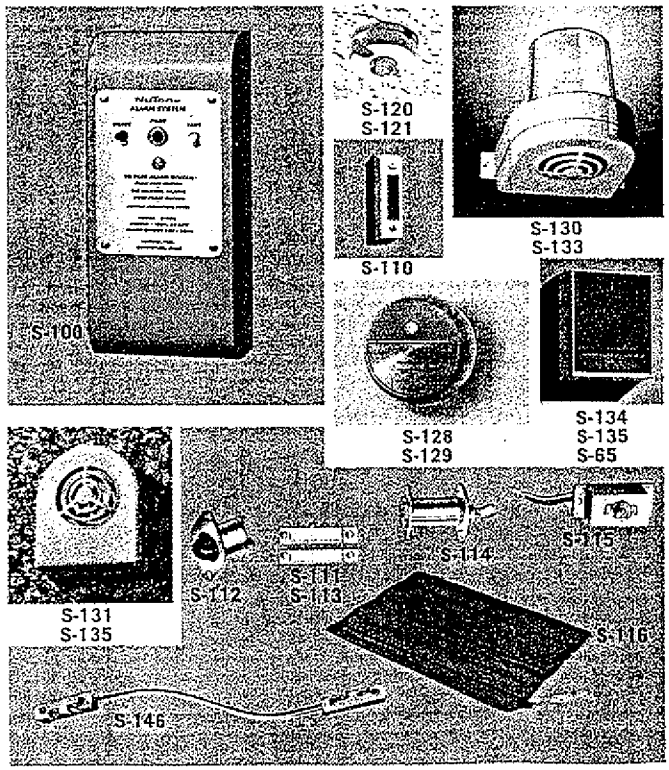


MODEL S-119 — EXIT/ENTRY CONTROL KIT is for use with Model S-153 Control Unit, above, to allow the family to leave and re-enter without sounding the alarm. Includes an outside key-operated switch with indicator light and inside switch with light panel, to control an entry-detector switch at door. It's tamper-proof: Alarm will sound if an attempt is made to disconnect the outside wall-plate. The Indicator Light tells you the door switch is activated. Both the inside and outside switches mount in a 2½" deep single gang outlet box. Stainless steel wall-plates are 4½" x 2¾". NOTE: If more than 1 entrance is being equipped, be sure to specify that all keys match (two are included with each S-119). **Each $13.33**



NEW BUILT-IN SECURITY/FIRE SYSTEM
WITH TIME-DELAY EXIT/ENTRY FEATURE
(available April 1, 1971)

MODEL S-152 CONTROL UNIT tells you whether it's fire or forced-entry! Independent fire and security detection circuits provide different alarm signals through a maximum of 2 inside and outside alarm horns: A steady signal in the event of fire, and a pulsating signal in the event of forced entry. Solid state electronic Exit/Entry feature delays the alarm, allowing the family to leave and re-enter the home without setting off the alarm. Eliminates the need for an outside key-operated switch. There are controls for 'fire-test', 'system-reset', an 'off-test-on' switch and indicator light for the security circuit. Pilot light indicates system and fire-detection circuit is operational. Power: 120 VAC, 60 Hz. Unit measures 5⅛" high, 12⅜" wide (Cutout is 4" high, 11¼" wide, 2¾" deep); recesses in 2" x 3" walls. **Price Each $44.33**



BUILT-IN FIRE SYSTEM
PROVIDES FOR RELAYING ALARM SIGNAL
THROUGH ANY NUTONE RADIO-INTERCOM
SPEAKER SYSTEM!

MODEL S-155 CONTROL UNIT is U.L. listed; has a self-contained horn alarm and installs easily in standard 2" x 4" walls. An automatic buzzer sounds if the detector circuit or a wiring malfunction should occur. A switch silences the buzzer, and turns on a malfunction-light until trouble is corrected. Includes controls, protected by a hinged cover, for testing the system manually and for resetting the alarm after use. Provision is also made for adding an auxiliary horn alarm (S-130 or S-131) if desired. Power: 120 VAC, 60 Hz. Front Panel: 8⅛" high, 9¾" wide. Cutout: 7"h., 8⅝"w., 4"d. **Price Each $56.00**

SURFACE MOUNTED SECURITY/FIRE SYSTEM

MODEL S-100 CONTROL UNIT mounts easily in any out-of-the way location; may be wired into housepower line, or to any nearby convenience outlet with NuTone's S-145 plug-in cord-set with safety lock. Pilot Light tells you system is in working order. A reset button restores system to normal operation after use, and a test button tests the system manually. Solid state circuitry at end of the detector line monitors the circuit. 9"h, 4"w., 3"d. **Price Each $19.33**

ALARMS, FIRE-HEAT AND SMOKE-HEAT DETECTORS

MODEL S-133 . . . Outside Alarm & Beacon. Provides steady sound and light in event of fire; pulsating sound and light in event of forced entry. Mounts at high point of roof, gable or outside wall. Includes clamp for mounting to a TV-antenna mast. Measures 6½" wide, 7½" high, 7½" deep. **Price Each $22.67**

MODEL S-131 . . . Hi-intensity Inside Alarm Horn. Same as Model S-133 but without beacon. Mounts on any inside wall. U.L. listed. Dimensions 6½" wide, 7½" deep, 2⅞" high. **Price Each $12.67**

MODEL S-134 . . . Inside Alarm Horn. Die-cast housing mounts easily on any inside wall surface. Silver Anodized grille; brown tone housing. 4⅝" high, 3¾" wide, 1⅜" deep. **Price Each $8.67**

MODEL S-135 . . . Inside Alarm Horn. Same as S-134, but with electronic circuitry to relay alarm signal through any NuTone Radio-Intercom System. **Price Each $11.33**

MODEL S-129 . . . Smoke-and-Heat Detector. Solid State. Any number can be used. Automatically activates alarm when lethal smoke accumulates or temperature arises above 135° F. Mounts on wall; connects to 120 VAC house power. Diameter 5⅞"; 2½" deep. **Price Each $57.33**

MODEL S-120 . . . Fire-Heat Detector. Mounts on ceiling. Automatically act vates alarm whenever temperature-rise above 135° F. occurs. U.L. listed. 1¼" diameter. **Price Each $2.40**

MODEL S-121 . . . Fire-Heat Detector. Automatically sounds alarm whenever temperature-rise above 200° F. occurs. For attics, furnace rooms. U.L. listed. 1¾" diameter. **Each $2.40**

MODEL S-110 . . . Alarm Pushbutton. For manually activating Alarm. Mounts on wall at bedsides, inside walls at exits; other strategic locations. 2½" x ¾". **Price Each $ .47**

MODEL S-141 . . . Installation Wire. 200 ft., 2-conductor 18 Ga. limited energy; U.L. listed. **Price $6.67**

MODEL S-130 . . . Outside Alarm & Flashing Beacon. Combined audible and visual signals. Mounts at high-point of roof, gable or outside wall; alerts neighborhood. Includes clamp for mounting to TV antenna-mast. U.L. listed; 6½" wide, 7½" high, 7½" deep. **Price Each $23.33**

MODEL S-128 . . . Smoke and Heat Detector. Automatically detects accumulation of lethal smoke, and a rise in temperature above 135° F. and sets off alarm. Solid State circuitry; U.L. listed. Mounts on any wall. A maximum of 5 may be used in any single system. Central hallways and locations in or near bedrooms are recommended. 5⅞" diameter x 2½" deep. **Price Each $68.67**

MODEL S-145 . . . Plug-In Power Cord Set. For connecting Control Unit or S-129 Smoke-and-Heat Detector to 120 VAC outlet. Safety-lock prevents accidental disconnection. **Price Each $1.20**

ENTRY DETECTION DEVICES

MODEL S-111 . . . Plunger Type Entry Detector Switch, for open circuit detection lines. Recesses in ¾" hole, 1" deep, in wood window and door frames. Plate is 1⅛" x ¼". **Price Each $1.60**

MODEL S-113 . . . Magnetic Type Entry-Detector Switch for open circuit detection lines. Surface-mounts on wood or metal doors and windows. 2½" high, ½" wide, ⅝" deep. **Price Each $2.93**

MODEL S-114 . . . Outside Key-Operated Entry Alarm Shunt Switch. Turns alarm circuit on or off to permit exit and/or re-entry without sounding alarm. Mounts on hinge side of entrance doors from 1⅜" to 2" thick, with an adjustable sleeve. (NOTE: if more than one entrance is being equipped, be sure to specify that all keys match. Two keys are included with each Model S-114.) **Price Each $5.20**

MODEL S-115 . . . Inside Alarm Shunt Switch. Surface mounts beside windows, entrance doors for on-off control of Entry Detectors. Permits family to leave, enter or open windows without sounding alarm. 2½" high, 1" wide, ⅞" diameter. **Each $1.60**

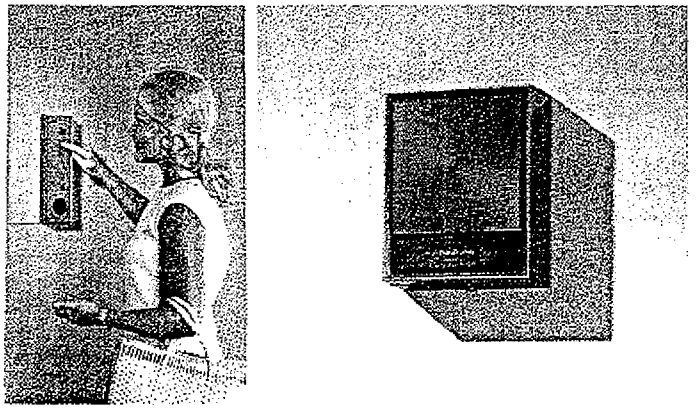
MODEL S-116 . . . 'Floor-Mat' Entry-Detector Switch. Ideal where fixed mounted switches cannot be used. Only 3/32" thick for easy concealment under rugs at doors, windows. Includes six feet of lead-wire. 17" x 23". **Price Each $16.67**

MODEL S-146 . . . Door Cord. Flexible 2 conductor wire and terminal assembly for connecting S-114 Shunt Switch to detection system wiring. **Price Each $1.47**

MODEL S-117 . . . Magnetic Type Entry-Detector Switch with normally closed contacts. For surface-mounting on wood or metal doors and windows. **Price Each $2.93**

MODEL S-112 . . . Plunger Type Entry-Detector Switch for use in closed circuit detection lines. Recesses in ¾" hole, 1" deep, in wood window and door frames. Plate is 1⅛"x1⅛". **Each $1.60**

	ALARMS					FIRE-HEAT & SMOKE/HEAT DETECTORS				MISC.			ENTRY DETECTION DEVICES								
MASTER CONTROL UNITS	Outside Alarm and Flashing Beacon S-130	Outside Alarm and Flashing Beacon S-133	Hi-Intensity Inside Alarm Horn S-131	Inside Alarm Horn S-134	Inside Electronic Alarm Horn S-135	Smoke/Heat Detector S-128	Smoke/Heat Detector S-129	Fire-Heat Detector (135°F) S-120	Fire-Heat Detector (200°F) S-121	Alarm Pushbutton S-110	Plug-In Power Cord Set S-145	200 Ft. 18/2 Limited Energy Cable, U.L. Listed S-141	Entry-Detector Switch Recess Plunger Type S-111	Entry-Detector Switch Recess Plunger Type S-112	Entry-Detector Switch Magnetic Type S-113	Outside Key-Operated Entry Alarm Shunt Switch S-114	Inside Alarm Shunt Switch S-115	Floor Mat Entry Detector Switch S-116	Entry-Detector Switch Magnetic Type S-117	Exit-/Entry Control Kit S-119	Door Cord S-146
S-100	X		X	X	X		X	X	X	X	X	X	X		X	X	X	X			X
S-152		X	X	X	X		X	X	X	X		X		X			X		X		
S-153		X	X	X	X		X	X	X	X		X		X			X		X	X	
S-155	X		X			X		X	X			X									



*Use 3 'D' Cell flashlight type batteries. (Not included)

SECURITY ALARM SYSTEM MODEL S-80 EARLY WARNING AGAINST INTRUDERS

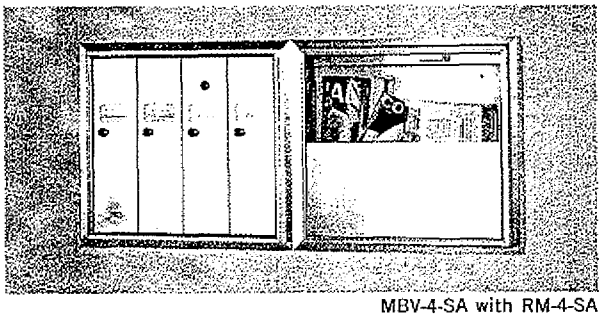
MODEL S-80 CONTROL UNIT is key-controlled, battery* operated. Only you can disarm it. A simplified system that lets you know when your security is threatened. Installs with pressure-sensitive tape (included). The only thing on your door is an inconspicuous set of switches (Model S-117). Additional Switches can be attached to the Control Unit for extra protection. A Time-Delay Switch in the Control Unit lets you set the alarm before you leave, and disarm the unit, without activating it, when you return. A 'Test Switch' on the Unit tells you if your system is 'armed'. 12" long, 3⅜" wide, 1⅞" deep. **Price Each $31.33**

MODEL S-65 Auxiliary Alarm Horn may be added (extra) to provide warning in another area of the home. Attaches easily to the Control Unit. 4⅝" high, 3¾" wide, 1⅛" deep. **Price Each $9.33**

NUTONE APARTMENT HOUSE Mail Box Systems



MBM-4-BE/PB



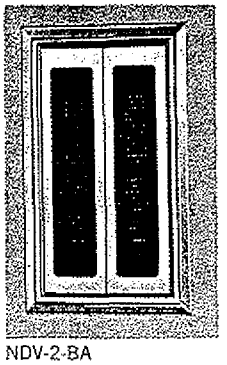
MBV-4-SA with RM-4-SA



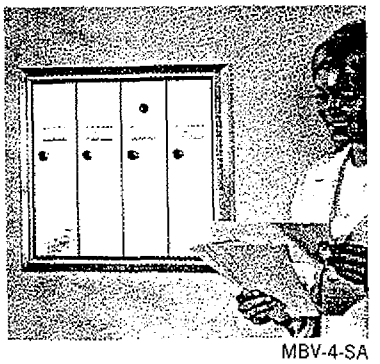
MBM-4-SE



MBV-4-BE with RMS-4-BE



NDV-2-BA



MBV-4-SA

RECESSED VERTICAL-TYPE MBV SERIES
For Any Number of Compartments Required

- Comply with current U.S. Post Office Department Regulations, Postal Manual 155.6 and revisions effective July 1970.
- Handsomely designed to complement any Foyer, any decor.
- Available in standard groups of from 3 to 10 compartments.
- For buildings with more than 10 apartments, combinations of standard groups, in single or double-row mounting provide any number of mail-compartments required.
- Heavy-gauge construction inside and out for maximum security and utmost resistance to all kinds of vandalism; made of corrosion and rust resistant zinc-coated steel.
- Choose Satin Silver or Brass baked enamel on steel, Anodized Silver or Brass on Extruded Aluminum, or Stainless Steel.
- Two-section assembly assures fast, easy installation with housing mounting frame built into standard 2"x4" walls. Complete group slides in and is secured by master lock furnished by local Post Office when installation is approved.
- Entire group tilts out for easy mail deposit. Individual doors include pin tumbler lock with 2 keys and 250 key variations, plus large name and apartment-number slot.

RECESSED MAGAZINE RECEPTACLES
RM Series

- For deposit of magazines and other bulk mail, to keep Foyers neat and orderly. Available in sizes to match total width of Vertical Mail Boxes used; mount under or adjacent to them.
- Choose Silver or Brass Anodized Aluminum, Silver or Brass Enamel, or Stainless Steel.

SURFACE-MOUNTED MAGAZINE RECEPTACLES
RMS Series

- Mount directly to wall; are 14⅜" high, same width as number of Vertical Mail Boxes used, and project only 4⅜".
- Standard Finishes: Silver or Brass Enamel.

SURFACE-MOUNTED NAME DIRECTORIES
NDV Series

- Enable buildings with 15 or more mail compartments to comply with U.S. P.O. Regulation 155.64 requiring alphabetical name directory. Each Panel includes 40 plastic name spaces.
- One to three name panels are included within a frame for easy mounting. Panels have window lens, are secured to mounting frame with unique 'hidden latch', to prevent tampering; swing out for easy rearrangement and/or change of names.

RECESSED VERTICAL-TYPE MBM Series
For Any Number of Compartments Required

- Comply with current U.S. Post Office Department Regulations, Postal Manual 155.6 and revisions effective July 1970.
- Available in standard groups of from 3 to 10 compartments.
- For buildings with more than 10 apartments, combinations of standard groups, in single or double-row mounting provide any number of mail-compartments required.
- Choose Satin Silver or Brass baked enamel on steel.

FOR COMPLETE DETAILS AND PRICES FOR MAIL BOXES, MAGAZINE RECEPTACLES AND DIRECTORY PANELS . . . SEE OR CALL YOUR NEAREST GRAYBAR DISTRIBUTOR.

NUTONE APARTMENT HOUSE Communication Systems

Door-Answering and Main-Entrance Lock Control For Each Individual Tenant!

Nothing holds tenants longer, or keeps them more satisfied than dependable security and assured privacy in the apartments they rent! NuTone's three Solid State Systems are engineered to meet the most exacting needs of low and medium/high rise multi family buildings. Wiring is greatly simplified, installation easy!

Callers push the appropriate button on Entrance Directory Panel, sounding an electronic tone through tenant's apartment-speaker. Easy-to-use controls on speakers enable tenants to answer through Directory Speaker, and to release the main-entrance door lock, to admit only those callers they wish to see.

'DIRECT-A-COM' — SERIES 1

- Meets requirements of buildings with 20 or more apartments.
- Entrance-Directories have alphabetical name panels — 'Auto-Call Transfer' System, available for buildings with 2 entrances, automatically connects Apartment-Speaker to Directory from which call originates — Can include Post Office Master Lock, to give postman access to boxes located beyond main-entrance.

Model 486 Apartment Speaker. Built-in, slim-profile, with Talk-Listen and Lock-Release Controls. Installs on left or right side of wall stud. Prewired connector for time-saving final installation.

Model 476 Control/Amplifier. For use with single-entrance Directory. Includes adjustable time-delay lock release circuit, Volume Control and variable electronic-tone apartment signal circuit. Plug-in terminal strip provides for removal without disconnecting system wiring. Installs in Directory Housing or other location.

Model 477 'Auto Call Transfer' Control/Amplifier. For use with Directories in buildings having 2 entrances. Same features as Model 476 above, plus automatic call transfer circuitry. Apartment-Speaker is automatically connected to proper Directory.

Models 492 and 492P Entrance-Directories. For buildings with one main entrance. Speaker Panel can have up to 20 buttons, the others up to 40 buttons. Alphabetical slot-panels are included; plastic laminated panels can be engraved locally or names may be applied with ¼" Dymo Tape. All are protected with clear plastic lenses. Directories install in 2"x4" walls, using #490 Housing (ordered separately) available for from 1 to 10 panels. Model 492P Directories have provision for Postal Master Lock to activate door-lock release. Choose Silver or Brass Anodized Aluminum finish for both Models.

Models 493 and 493P Entrance Directories. For buildings with two entrances, using Control/Amplifier Model 477. Includes features of 492 and 492P Directories, plus a flashing indicator-light on Speaker Panels to signal system in use if any Apartment-Speaker is connected to the other Entrance Directory. Second Directory is automatically disconnected, assuring complete privacy and preventing possible eavesdropping. Model 493P has provision for Postal Master Lock to activate door-lock release. Choose Silver or Brass Anodized Aluminum for both Models.

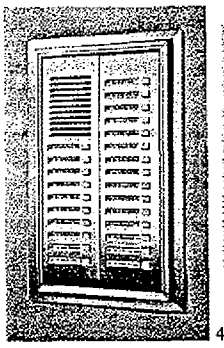
'DIRECT-A-COM' — SERIES 2

- Ideal for low-rise, low-budget buildings with up to 25 apartments. Solid state Control/Amplifier provides clear voice communication. Electronic tone signals callers through handsome Apartment Speakers with Talk-Listen and Door-Lock Release Switches which activate either front or rear entrance lock.
- Entrance Directory includes speaker plus only the number of name-slots and buttons required. Optional Directory available with Post Office Door-Lock Release feature. Simplified wiring.

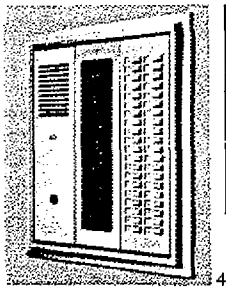
Model 484 Apartment Speaker. Recesses in wall or can mount on surface using #416 Mounting Frame (extra). Has Talk-Listen and Door-Lock Release Switches. Smartly styled, in Egg-Shell White.

Model 475 Control/Amplifier. Solid state. Includes system Volume Control and provision for selective volume of tone-signal. Installs in Entrance Directory or at any remote location. Removes easily without disconnecting system wiring.

Models 491 and 491P Entrance Directory Panels. Durable extruded Aluminum in Silver or Brass Anodized finish. Each includes a weather-resistant Speaker and any number of name-slots and buttons required. Installs in 2"x4" walls using #490 Housing available for Directories having from 1 to 10 Panels. Optional Model 491P has provision for Post Office Master Lock to activate door-lock release.



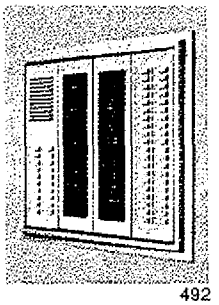
491



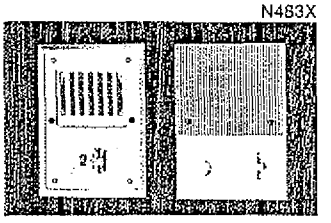
493-P



486

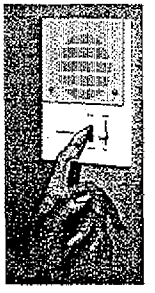


492

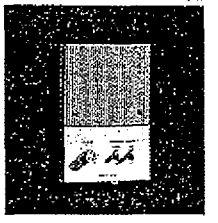


N483X

481



484



N482

'DIRECT-A-COM' — SERIES 3

- Ideal low-cost main-entrance answering and Lock-Control System for low-rise Garden Apartments and Townhouses. Requires only one solid state Central Amplifier (Model 470) for each building system. It installs in any out-of-the-way location. Simplified speaker-to-speaker wiring saves installation time.
- Distinctive name and pushbutton-panel Directories are available for multi-floor apartment houses.
- An optional Entrance Directory has provision for a Master Lock furnished by the U.S. Post Office in compliance with their Regulation 155.613 (recommended only when Directory is located adjacent to a locked main-entrance door.

Model 481 Apartment Speaker. Recesses in wall or can mount on surface using Model 416 Frame (extra). Heavy gauge Silver Anodized Panel. Includes built-in buzzer, 'talk-listen' lever and 'Door-Lock' Release Switch.

Model N482X Apartment Speaker. Same as Model 481 (above) except smartly styled in Eggshell White. High-impact plastic.

Model N482 Apartment Speaker. Recesses in wall or surface-mounts using #416 Frame (extra). Eggshell White. Has 'talk-listen' lever and 'Door-Lock' Release Switch. For use where independent door chimes are provided.

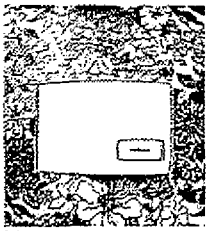
Model N483X Apartment Speaker. Recesses in wall or can mount on surface using Model 416 (extra). Heavy gauge Silver Anodized Panel. Includes built-in 'buzzer' and 'talk-listen' lever.

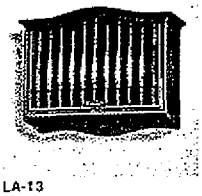
Model 2413 Built-In Door Speaker in tarnish-proof Anodized Aluminum.

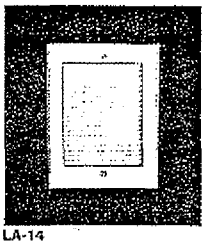
Model 471 Surface mounted Door Speaker. Parchment Tan, Gold finish.

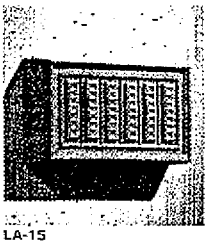
FOR COMPLETE DETAILS AND PRICES . . .
SEE OR CALL YOUR NEAREST GRAYBAR DISTRIBUTOR.

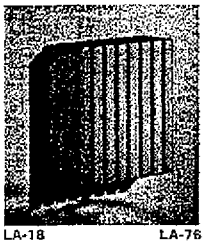
NuTone Door Chimes


LA-12

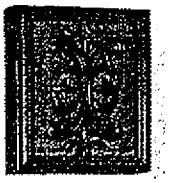

LA-13

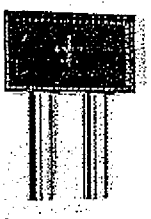

LA-14

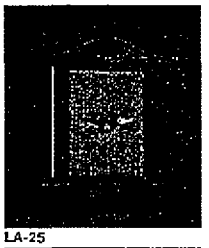

LA-15


LA-18 LA-76

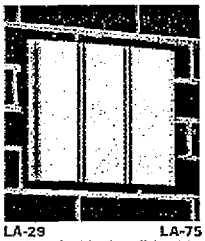

LA-19

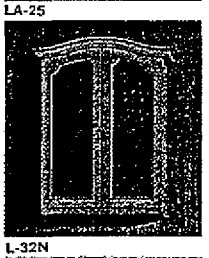

LA-21

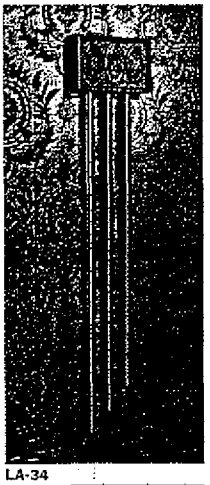

LA-24

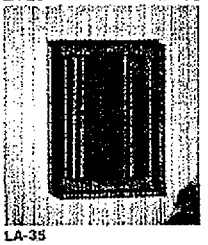

LA-25

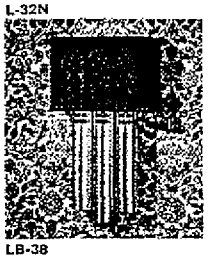

LA-26


LA-29 LA-75

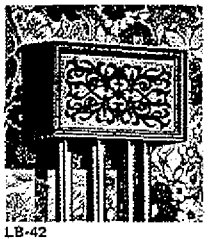

L-32N

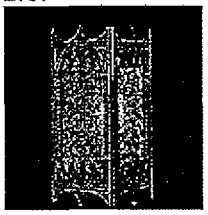

LA-34

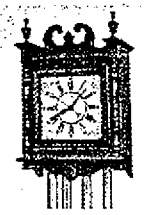

LA-35

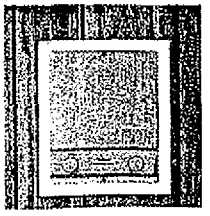

LB-38


LB-39 LB-70

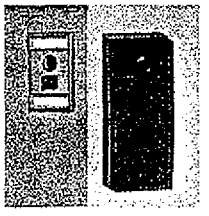

LB-42

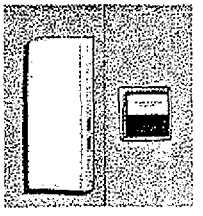












LA-12 'Contour'. Graceful, concave front panel in Off-White or Honey Beige. Sounds 2 notes for front door, 1 for rear. May be painted to match decor. Each $4.52

LA-13 'Concord'. Authentically colonial, in shaded Walnut finish, turned spindles and curved pediment. 2 notes for front door, one for rear. Lovely against any wall treatment. Each $5.82

LA-14 Built-in Chime. The louvered Ivory-finish panel can easily be painted to match your wall color. Two notes front, 1 rear. Each $5.69

LA-15 'Madeira'. Moorish influence on Mediterranean and Spanish art. Dark Walnut 'Mosaic' panels and frame over mat-black for 'shadow-box' effect. 2 notes front, 1 at rear. Each $5.82

LA-18 'Teak'. Vertical panels in the rich look of Teakwood over a mat-black background. Gives the effect of dentil-moulding. Two notes at front door, 1 at rear. Each $7.77

LA-19 'Antigua'. Deeply carved Dark Walnut finish outer frame surrounds an inner frame and handsome baroque medallion. Rich Burgundy cloth background. 2 notes front, 1 rear. Each $8.42

LA-21 'Monterey'. Moulded frame in Walnut finish surrounds a center scrolled panel over Gold-colored fabric. Can have repeating tones at front door, 2 at side, 1 at rear, or 2 at front, one at rear Each $9.07

LA-24 'Mayfair'. Richly carved Antique Walnut-grained frame and background with a Fleur-de-Lis medallion. 2 gold anodized tubes. Chime sounds 2 notes front door, 1 at rear. Each $7.96

LA-25 'Jamestown'. Fruitwood finish, rich in Colonial detail with gold anodized tubes and eagle on beige cloth background. Chime sounds 2 notes at front door, 1 at rear. Each $9.43

LA-26 'Chateau'. French Provincial Antique-gold finish and caned grille framed in your choice of antique-white or antique-gold. Chime sounds 2 notes for front door, 1 at rear. Each $9.07

LA-29 'Transitional'. Built-in Chime. Beveled sides frame Off-White pebble-finish front panel. Complements Contemporary or Traditional. 2 notes front, 1 rear. May be surface mounted. Each $8.13

L-32N 'Provincial'. Antique Walnut, Antique Avocado Green or Antique French-white. Matches almost any Traditional decor. Two-note chord tone for front door, 1 at rear door. Each $12.97

LA-34 'Heirloom'. Long tube Tradition in a wood-grain Pecan finish. Gold highlighted ovals surround antique mirror patterns. Textured cloth background. 2 notes front door, 1 note rear. Each $15.57

LA-35 'Dusk'. Highly translucent Polystyrene encloses silver finish tubes on either side of a mat-black center panel. A 2-note chord tone sounds for the front door, 1 note at rear. Each $12.03

*LB-38 'Granada'. Mediterranean Walnut finish, with brown-flecked pattern on gold-color cloth, or Light Elm finish with grey-green on gold-color cloth. Gold Anodized tubes. 8 or 4 notes for front door, 1 for rear, different note at 3rd door. Each $25.77

*LB-39 'Madison'. Solid State Chime. Choice of Antique Walnut finish with cinnamon-brown grille cloth, or Blond Elm with Amethyst-color grille cloth, bronze green pattern. Sounds 4 or 8 notes at front door, 1 rear and 3rd note at 3rd door. Each $26.70

*LB-42 'Barcelona' Long-Tube Chime. Spanish . . . in dark Antique Oak finish, carved filigree on green-textured cloth. Satin-finish Brass Tubes. Westminster Chime Sequence and Volume Control for 8 or 4 notes at front, 1 at rear, 1 at 3rd door. Each $36.57

LA-43 'Renaissance' Lighted Chime. Antique Brass cast-metal Gothic frames enclose translucent simulated Flemish Glass. Four low voltage lamps included. 2 notes front, 1 rear. Each $13.98

*LB-56 'Jefferson'. Long-Tube Chime. Colonial Wallclock/Chime with Westminster Chime Sequence. Walnut wood cabinet. Antique white clock-face. For 8 or 4 notes at the front door, 1 for rear and a different note for a third door. Each $69.57

*LB-70 'Electronic Deluxe'. Same as LB-39 except designed for use with NuTone Radio-Intercom system. Has volume control. $30.45

*LB-72 'Built-in Electronic Deluxe' Egg-shell white frame with gold-flecked beige grille cloth. Control panel anodized gold finish. Adjusts for 8 or 4 notes at front, 1 rear and a different note for a third door. Each $34.05

*LA-75 'Built-in Electronic'. Same as LA-29 except designed for use with NuTone Radio-Intercom. 2 notes front, 1 rear. Each $15.75

*LA-76 'Electronic Teak'. Same as LA-18, except designed for use with NuTone Radio-Intercom. 2 notes front, 1 rear. Each $14.63

*Includes transformer

NON-ELECTRIC CHIMES

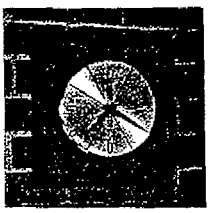
MCV-309 'Pre-Vue'. Inside Optical Lens Viewer. Large outside nameplate for name plus number. Fits door from ¾" to 2" thick. Sounds a 2-note chime. Each $6.34

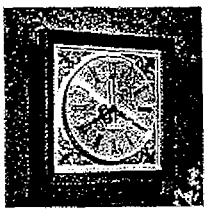
MC-310N 'Deluxe Pre-Vue'. Same features as MCV-309. Each $6.99

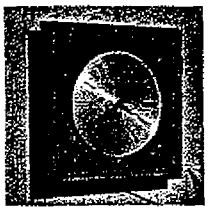
MC-304N 'Greeter'. Large outside nameplate. Fits door from ¾" to 4¾" thick. Sounds a 2-note chime. Each $4.06

For doors up to 9¾ thick, use Extension Shaft #EX-311.

Clock Chimes

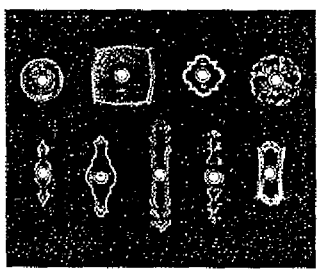

L-86


L-87


L-88

L-86 'Contemporary'. Danish Modern Spun-Gold, Silver or Copper finish Clock Faces against Walnut wood-grain background. Mat-black frame. Built-in or surface-mounted. 2 notes front door, 1 rear. 16 Volt movement. $13.98
L-87 'Traditional'. Spun-gold finish Clock-Face, brown numerals, black hands, on French-White background. Pecan woodgrain finish Frame. Built-in or Surface mounted. 2 notes front, 1 rear. 16 Volt movement. Each $15.93
L-88 'Mediterranean'. Dark-Walnut scrollwork frame surrounds a Spun-Gold Clock Face. Brown Roman Numerals. Can be built-in or surface-mounted. Two notes front door, 1 at rear. 16 Volt movement. Each $18.74

Pushbuttons - Transformers



Masterpiece Series Lighted Pushbuttons

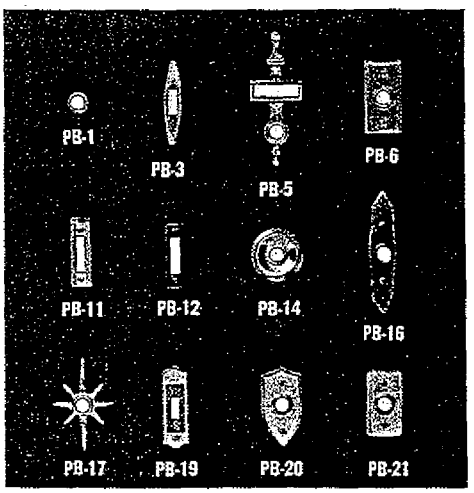
Model Number	Price Each	Model Number	Price Each
PB-22L	4.21	PB-27L	2.69
PB-23L	3.56	PB-28L	2.69
PB-24L	3.08	PB-29L	2.43
PB-25L	2.57	PB-30L	3.56
PB-26L	2.43		

Pushbuttons

Decorator Series Non-Lighted		Model Number	Price Each	Model Number	Price Each
PB-1	.39	PB-17	2.01	PB-8L	2.01
PB-3	1.04	PB-19	2.01	PB-10L	1.32
PB-5	2.57	PB-20	1.04	PB-14L	1.53
PB-6	1.04	PB-21	1.39	PB-16L	1.92
PB-11	.55	Decorator Series Lighted		PB-17L	2.57
PB-12	.35			PB-18L	1.04
PB-14	1.04	PB-5L	3.08	PB-19L	2.43
PB-16	1.20	PB-6L	1.53	PB-20L	1.53

'DUO' 1.14 Two-Gang Pushbutton, Model PB-31





All NuTone Transformers meet U.L. requirements for 120 volt primary rating and contain an automatic resetting circuit-breaker which protects against overload and short circuits. Use Model 101N for all 2-note Door Chimes. For multiple chime installation, use Model 301N, 16 Volt, 30-VA.

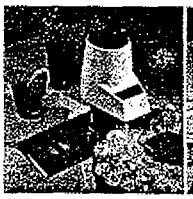
Built-In Food Center

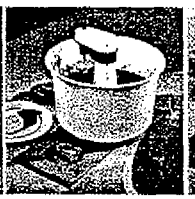

Start with Power Unit & Blender!

The Most Convenient Work-and-Time Saver Your Kitchen Can Have!

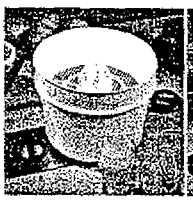
One built-in Power Unit for 7 CORDLESS Appliances. Power Unit is under counter; out of sight, out of the way. Full-size, lightweight Appliances fit on flush surface plate. You simply place them, turn dial to one of 6 speeds, to blend, mix, shred, slice, grind, juice, crush ice or sharpen knives!

1½ QT. BLENDER is graduated in CUPS and OUNCES; is break-resistant clear plastic, with a removable funnel.


ICE CRUSHER — Great for mixed drinks, frosty 'coolers'. Stainless blades.


MIXER — 4 qt. capacity. Mixes better for all kinds of delicious baked foods.

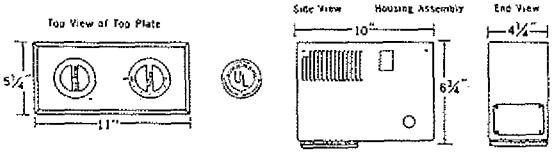

KNIFE-SHARPENER is fast, safe. Knives keep their temper, last longer.


JUICER—Plastic strainer allows nourishing pulp through, but no seeds.


SHREDDER-SLICER has 2 slicer-plates and one shredder-plate.


MEAT GRINDER — Allows vitamin-rich juices to be retained.

Model	Description	1 Each
200NB	Power Unit, Mixer, Blender and Knife Sharpener	71.37
205NB	Power Unit and Blender	46.75
206NB	Power Unit and Blender and Ice Crusher	62.39
221	Power Unit Only	39.41
171N	Mixer	21.25
172N	Blender	7.45
173N	Fruit Juicer (must be used with 171N Mixing Bowl and Turntable)	3.74
174	Knife Sharpener	6.09
176	Mixing Bowl for #178	4.42
177	Meat Grinder	22.78
178	Shredder-Slicer (bowl, top, turntable, 3 blades)	13.57
180	Ice Crusher	17.51
186	Separate extra Mixing Bowl (for #171N • #173N)	4.42



SPECIFICATIONS
¼ hp. Motor, 400 w., 110-120 v. AC, 6 speeds, 16,000 R.P.M. idle. Tap field eliminates centrifugal switches. Stainless steel top 50/1000" thick. Shipping Wt. 17½ lbs. Provision should be made for electrical connection during rough-in wiring at location of Power Unit, with enough free wire to reach front of cabinet when installed. Follow the Local Code. Unit must be grounded. Cutout: 4⅝" x 10⅜". Low-speed drive approx. 800 R.P.M. idle.

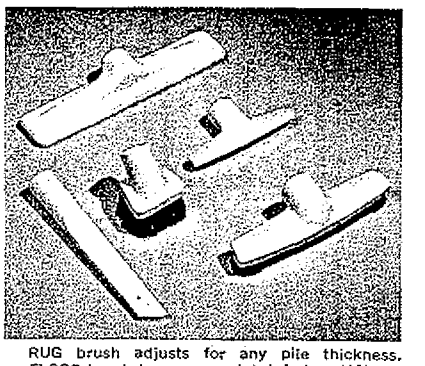
NuTone Central Cleaning Systems



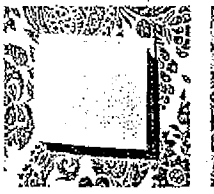
DELUXE SYSTEM: No bulky Power Unit to push, pull or carry around! It installs in garage, basement or utility-room; holds a 6-gallon disposable soil-bag that needs replacing only once or twice a year. You just place the end of a flexible 25 ft. Hose in an Automatic-Inlet to turn the system on, and move 5 lightweight Cleaning Tools over the rugs, floors, upholstery, draperies, furniture or 'problem' spots. It's so quiet you can clean baby's room while he sleeps, or the living room without disturbing telephone conversations! All Tools store neatly in a portable, space-saving Wall-Caddy. Power Unit may or may not be exhausted to outside.

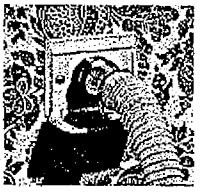


STANDARD SYSTEM: For smaller homes, mobile homes, apartments and for lower budgets! 'Hide-away' Power Unit installs in basement, garage, carport, utility-room, away from living-areas. No heavy lifting; no loud noise. It contains a 6-gallon disposable soil-bag you replace only a few times a year. System operates with same ease as the Deluxe System, with same number of Cleaning Tools that store in a light-weight, portable box with provision for hanging on a closet wall. The Power Unit may or may not be exhausted to the outside. System turns on when Hose-end is inserted in any of the Automatic-Inlets.

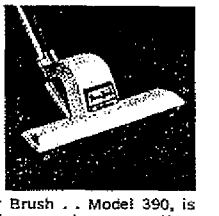


RUG brush adjusts for any pile thickness. FLOOR brush has non-scratch bristles. UPHOLSTERY brush cleans 'deep-down'. DUSTING TOOL won't mar delicate surfaces. CREVICE TOOL gets into 'problem' places. EXTENSION-WANDS are Chrome-on-steel.





360 Automatic Inlet. Above left — closed. Above right — Open with hose inserted.



390

An Air-Operated Power Brush . . Model 390, is also available (extra) for use where more than average heavy-duty or commercial traffic conditions exist. The brush revolves when system is 'on', to provide a continuous and gentle 'sweeping' action; attaches and removes easily to and from the end of the poly-vinyl Hose.

DELUXE SYSTEM:

Model	Description	EACH
350	Deluxe Power Unit. 2 hp. motor, sealed vacuum 110".	143.31
370	Deluxe Cleaning Tools and Hose Assembly. Consists of Models 371 and 373.	39.00
371	Hose Assembly: 25 ft. of flexible hose and end couplings, plus hose storage hanger.	18.33
372	Hose Assembly: 32 ft. of flexible hose and end couplings, plus hose storage hanger.	24.00
373	5 Deluxe Cleaning Tools and 3 Wand Sections in a handy, plastic, lightweight Storage Caddy.	20.67

STANDARD SYSTEM

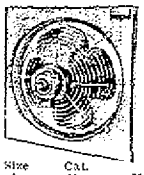
Model	Description	EACH
351	Standard Power Unit. 1 hp. motor, sealed vacuum 80".	106.67
377	5 Standard Cleaning Tools, 3 Wand Sections in a portable-box Caddy, plus 25 ft. of flexible Hose with couplings and Hanger.	32.00

Model	Description	EACH
	AUTOMATIC INLET and FLANGED FITTINGS	
360	Automatic Inlet. Includes low voltage switch.	3.67
361	Mounting Bracket with Plaster Guard	.87
362	90° Flanged Ell — Standard	1.20
363	90° Flanged Ell — Special (For 3" walls)	1.20
364	Flanged Tee	1.40
365	Double Flanged Tee	1.53
366	Straight Flange	.53
397	Wall Inlet Frame	.47
399	Inlet Extension for floor or thick wall installations.	1.00
	PVC TUBING	
380-8	PVC Tubing — 2" O.D. x 8' long — 8 lengths (64 ft.)	12.80
380-20	PVC Tubing — 2" O.D. x 8' long — 20 lengths (160 ft.)	32.00
	FITTINGS	
Model 381 — 90° Ell	.73 Model 387 — 45° Wye	1.00
Model 382 — 90° Sweep Ell	.73 Model 388 — Stop Coupling	.29
Model 383 — 90° Tee	1.00 Model 389 — Cap	.21
Model 384 — 3 Way Ell	1.00 Model 368 — 90° Street Ell	.73
Model 385 — 45° Ell	.73 Model 369 — 45° Street Ell	.73
Model 386 — 30° Ell	.73	
	INSTALLATION MATERIALS	
Model 376 — 100' Wire 18-2	2.67 Model 379 — Solvent Cement	1.47
Model 378 — Nail Plate	.12	
	ACCESSORIES	
375	Utility Inlet (Mounts on any flanged fitting) Includes low voltage switch.	4.51
390	Power Brush (Air)	17.30
391	Disposable Bags (3 in a package)	2.00

Model	Description		EACH
	ROUGH-IN and PRE-INSTALLATION PACKAGES		
394	Blank Cover Plate — Used in place of Wall Inlet in speculative rough-in installations.		.33
CCS-1	Rough-In and Riser Package. Contains . . . six #378 Nail Plates	three #361 Mounting Brackets three #362 Flanged Ell — 90° three #394 Cover Plates one #376 Wire (100') 18-2 three #389 Caps one #379 Solvent Cement 32 feet of 2" O.D. tubing	19.60
395-3	Pre-installation Package for *making Drop or* Riser ONLY. Contains . . .	two #378 Nail Plates one #361 Mounting Bracket one #362 Flanged Ell — 90° one #394 Cover Plate Wire (8 ft.) 18-2 (No tubing included)	2.80
396-3	Rough-In Package for 3-Inlet Installation. Contains . . . three #361 Mounting Brackets	three #362 Flanged Ell — 90° one #368 Street Ell — 90° one #369 Street Ell — 45° one #376 Wire (100') 18-2 six #378 Nail Plates six #382 Sweep Ell — 90° two #383 Tee — 90° three #385 Ell — 45° six #388 Stop Coupling one #379 Solvent Cement (No tubing included)	23.07
396-1	Rough-In Package for use with #396-3 (above) to expand to a 4 or 5 Inlet Installation. Contains . . . one #361	one #362 Flanged Ell — 90° one #368 Street Ell — 90° one #369 Street Ell — 45° two #378 Nail Plates two #382 Sweep Ell — 90° one #385 Ell — 45° one #387 Wye — 45° two #388 Stop Coupling	7.53

AIRMASTER VENTILATING EQUIPMENT

Division of Hayes-Albion Corp.



LOW PRESSURE DIRECT DRIVE FANS

10-Inch,
12-Inch, 16-Inch, 18-Inch

- Panel Mounted With Guard
- Totally Enclosed Motors
- 115 Volt, 60 Cycle, 1 Phase

Size In.	Cat. No.	HP	RPM	CFM @0"	Fan Each	Shutter Each
10	10EP16	1/50	1550	310	$36.40	$9.10
12	12EP16	1/22	1650	850	42.90	10.40
16	16EP16	1/4	1050	1630	52.00	14.30
18	18EP16	1/9	1050	2330	65.00	16.90



18-Inch to 36-Inch Direct Drive

Panel Mounted
Guards and Penthouses Available
Steel Die Formed Blades
Totally Enclosed Motors

Size In.	Cat. No.	HP	RPM	CFM @0"	Fan Each	Shutter Each
Single Phase — 115/230 Volt						
18"	PD18T-D3*	1/6	1110	2560	$126.10	$16.90
24"	PD24T-E3*	1/4	825	4280	162.50	23.40
30"	PD30T-G3*	1/2	845	7000	196.30	29.90
36"	PD36R-G3*	1/2	840	10860	215.00	35.10
Three Phase — 230/460 Volt						
24"	PD24T-F8	1/4	825	4280	208.00	23.40
30"	PD30T-G8	1/2	845	7000	249.60	29.90
36"	PD30R-G8	1/2	840	10860	261.30	35.10

*Can be operated at two speed on 115 volt by using Switch No. 820875 ..... $11.05



LOW PRESSURE BELT DRIVEN PANEL FANS

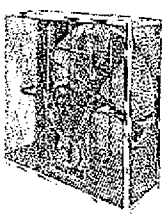
24-Inch to 48-Inch

- Totally Enclosed Motors
- Quiet Operating Deep Pitched Steel Blades
- Two-Speed Units Available
- Guards and Penthouses Available

Size In.	Cat. No.*	HP*	Fan RPM	CFM‡	Fan* Each	Shutter Each
24	H24B1	1/6	870	5161	$136.50	$23.40
	H24B2	1/2	1000	5984	167.70	
	H24BP3	3/4	1140	6281	182.00	
	H24BP4	1	1232	7375	206.70	
30	H30B1	1/3	569	7479	162.50	29.90
	H30B2	1/2	655	8610	198.90	
	H30BP3	3/4	745	9790	214.50	
	H30BP4	1	800	10505	222.30	
	H30BP5	1 1/2	930	12235	244.40	
36	H36B1	1/2	555	10100	226.20	35.10
	H36BP2	3/4	650	11324	248.30	
	H36BP3	1	703	12785	256.10	
	H36BP4	1 1/2	817	14870	274.30	
	H36BP5	2	902	16550	287.30	
42	H42BP1	3/4	425	14080	278.20	58.50
	H42BP2	1	505	16600	289.90	
	H42BP3	1 1/2	554	18225	302.90	
	H42BP4	2	612	20130	310.70	
	H42BP5	3	720	23685	377.00	
48	H48BP2	1	394	19700	328.90	65.00
	H48BP3	1 1/2	450	22490	358.80	
	H48BP4	2	506	25230	383.50	
	H48BP5	3	583	29140	418.60	
	H48BP6	5	700	34960	481.00	

*All fans are available for either 115/230 volt single phase or 230/460 volt 3-phase service. Popular models listed herein are single phase in 1/6 and 1/3 HP and 3-phase in 3/4 HP and larger units.
‡CFM shown is for free air. Fans suitable for 1/4" SP.

PROTECTIVE REAR WIRE GUARDS



For Wall Fans

Fan Dia. In.	Cat. No.	Each
18	18G	$32.50
24	24G	42.90
30	30G	53.30
36	36G	58.50
42	42G	74.10
48	48G	91.00

AIRMASTER VENTILATING EQUIPMENT

Division of Hayes-Albion Corp.

AIR CIRCULATORS



Counter Model



Wall Model

Cat. No.	Model	Wt. Lbs.	Each
24-Inch Oscillating—1/4 HP			
87BN-S	Floor	97	$179.40
87LN-S	Counter	61	165.10
87WN-S	Wall	61	163.80
87IN-S	I-Beam	63	166.40
24-Inch Non-Oscillating—1/4 HP			
24LF16-S	Floor	86	117.00
24LC16-S	Counter	44	102.70
24LW16-S	Wall	44	101.40
24LS16-S	Ceiling	39	98.80
24LI16-S	I-Beam	46	104.00
30-Inch Non-Oscillating—1/4 HP			
30LF16-S	Floor	89	126.10
30LC16-S	Counter	53	111.80
30LW16-S	Wall	53	110.50
30LS16-S	Ceiling	48	107.90
30LI16-S	I-Beam	55	113.10

HEAVY DUTY MAN COOLING FANS



- High Stand Shown. Lower Cost Medium Height and Low Models Available
- Totally Enclosed Motors
- Cast Aluminum Blades
- Channel Non-Tip Supports
- Heavy Mesh Wire Guards

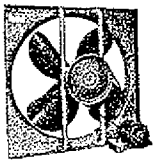
Popular Models‡

Size In.	Cat. No.	HP	RPM	Wt. Lbs.	Each
24	24M-2*	1/4*	1725	300	$391.30
30	30M-1*	1/4*	1725	320	425.10
30	30MP-2	1 1/2	1725	350	526.20
34	34MP-1	1 1/2	1725	500	622.70
34	34MP-3	3	1140	550	702.00
42	42MP-1	2	1140	650	739.70
42	42MP-3	5	1140	700	1042.60

‡230/460 volt, 3-phase.
*115/230 volt model — all others 3-phase.

CHELSEA FANS

DELUXE ATTIC FANS



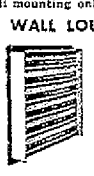
Featuring exclusive, patented "floating" action, these spring-mounted fans can be used for either wall or ceiling mounting. Ball-bearing throughout, with thermal overload protection in motor, and safety cut-off switch. Mounting accessories are provided as standard equipment.

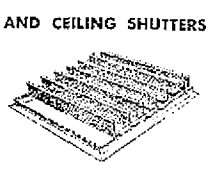
U.L. Listed
For Wall or Ceiling 115 Volt

Cat. No.	Size	HP	CFM	Each
HVB24	24"	1/3	5100	$88.20
HVB24T	24"	1/3	5100/3400	107.10
HVB30	30"	1/2	7400	100.80
HVB30T	30"	1/2	7400/4900	119.70
HVB36	36"	1/2	9750	113.40
HVB36T	36"	1/2	9750/6500	132.30
HVB42	42"	3/4	12000	141.75
HVB42T	42"	3/4	12000/8100	160.65
HVB42H	42"	1/2	14500	163.80
HVB42HT	42"	1/2	14500/9420	189.00
HVB48	48"	1/2	17500	261.60
HVB48T	48"	1/2	17500/11400	226.80
HVB48H*	48"	3/4	19400	226.80

GIE1 Time Switch $8.50
S3A1 Temperature Switch 20.50
T indicates two speed.
*Wall mounting only.

WALL LOUVERS AND CEILING SHUTTERS





WALL LOUVERS			CEILING SHUTTERS		
Cat. No.	Size	Each	Cat. No.	Size	Each
LWL10	10"	$10.08	S24	24"	$18.90
LWL12	12"	11.97	S30	30"	22.68
LWL16	16"	13.86	S36	36"	28.35
LWL18	18"	16.38	S36S	30"x42"	28.35
LWL20	20"	18.90	S42	42"	37.80
LWL24	24"	22.05	S42S	36"x48"	37.80
LWL30	30"	28.35	S48	48"	47.25
LWL36	36"	34.65			
LWL42	42"	40.95			
LWL48	48"	50.40			

Motor Conversion Kits:
LXP power kit converts LWL Louver from automatic to motor operation. Each $25.20
SXP power converts S shutter from automatic to motor operation. Each $25.20



U.L. Listed

CHELSEA FANS

AIR CIRCULATORS

PTB Pedestal Mounting
CTB Ceiling Mounting
WTB Wall Mounting
COTB Counter Mounting

115 Volt

Smartly designed, efficient, quiet-operating. Attractive bright-plated and enamel finishes. Pedestal types feature adjustable column height, positive locking tube couplers.

Cat. No.	Fan RPM	CFM	Each
PTB24CC	1100/800	5400/3900	$107.10
CTB24CC	1100/800	5400/3900	88.20
COTB24CC	1100/800	5400/3900	97.65
WTB24CC	1100/800	5400/3900	94.50
PTB30CC	1100/800	7200/5200	116.55
CTB30CC	1100/800	7200/5200	97.65
WTB30CC	1100/800	7200/5200	103.95
P24*	1140	5250	189.00

*Explosion-proof. Other models available.

DIRECT DRIVE EXHAUST AND VENTILATING FANS

115 Volt



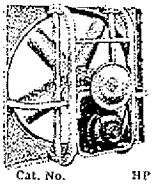
TYPE WF — ALL-PURPOSE WALL FANS

Cat. No.	HP	Fan RPM	CFM	Each
WF10XB	1/16	1550/1050	700/475	$44.10
WF12XB	1/16	1550/1050	1050/678	47.25
WF16AC	1/8	1050/850	1700/1375	50.40
WF18AC	1/8	1050/850	2200/1780	53.55

TYPE PW — HEAVY-DUTY COMMERCIAL WALL FANS

PW12AC	1/8	1150/850	1065/790	$75.60
PW12AA	1/8	1750/1150	1625/1065	72.45
PW16BC	1/6	1150/850	2025/1500	78.75
PW16CA	1/4	1750/1150	3080/2025	81.90
PW20CC	1/4	1150/850	3540/2620	97.65
PW24CC	1/4	1150/850	4840/3580	103.95

TYPE IND — BELT DRIVE INDUSTRIAL FANS

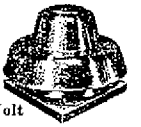


Heavy-duty belt drive. Ball bearing throughout and equipped with non-overloading propeller. Fan panel is one-piece, deep-drawn with true venturi orifice. Fan and "U" channel back supports are welded for additional rigidity and support.

Cat. No.	HP	1-Phase Fan RPM	CFM	Each
IND24FA	1/2	983	6360	$126.00
IND30FA	1/2	650	8570	154.35
IND30HA	3/4	742	9800	182.70
IND36FA	1/2	476	10900	179.55
IND36HA	3/4	545	12450	207.90
IND42HA	3/4	420	15300	233.10
IND42JA	1	462	16800	261.45
IND48JA	1	371	20200	296.10
IND48KA	1 1/2	425	23100	355.95

Additional sizes available to 72". Three phase also available.

SPUN ALUMINUM EXHAUSTERS



Non-overloading. Overlapped orifice design for maximum efficiency and low tip speeds. Ball bearing motors. Vibration dampener mountings. Birdscreen included.

Direct Drive — 115 Volt

Cat. No.	HP	Fan RPM	CFM 0"SP	Each
RDD70YB	1/25	1550	334	$66.78
RDD80YB	1/25	1550	475	67.41
RDD90YB	1/10	1550	567	80.01
RDD105ZC	1/12	1140	795	110.25
RDD105CA	1/4	1725	1190	110.25
RDD122ZD	1/12	860	880	132.93
RDD122AC	1/8	1140	1166	116.55
RDD122DA	1/4	1725	1765	123.48
RDD135BC	1/8	1140	1490	149.31
RDD140CC	1/4	1140	1870	162.54
RDD165FC	1/2	1140	2780	202.23
Belt Drive — 115/230 Volt — Single Phase				
RDB165CA	1/4	862	2160	$192.78
RDB165FA	1/2	1089	2730	212.94
RDB200CA	1/4	672	2920	229.32
RDB200FA	1/2	845	3675	249.48
RDB245DA	1/3	513	4160	275.31
RDB245HA	3/4	679	5460	321.93
RDB300HA	3/4	516	6920	423.99
RDB300KA*	1 1/2	650	8720	514.08
RDB365HA	3/4	372	8970	523.53
RDB365KA*	1 1/2	469	11300	558.81

Additional sizes available to 44".
*3- Phase
Accessories available: Auto Damper, Motorized Damper, Curb Gaskets.

ILG VENTILATING FANS

TYPE PV PROPELLER FANS



Ilg type PV Square Panel propeller fan are designed to handle large volumes of air with low power output, they will operate against static pressures up to 1". Square steel panel has pre-drilled mounting holes, to provide quick and permanent installation for recess and surface mountings. Two types of fan wheels. Whisper-quiet "Q" wheel for normal pressures. Airfoil design 5 or 9 bladed wheels for operating against higher static pressures. Capacities from 272 to 35,279 cfm. Features light beige baked enamel finish.

Constant Speed, 1 and 3 Phase, 60 Cycle

Size	RPM	H.P.	CFM 0"	Approx. Shpg. Wt. Lbs.	Each 1 Ph.*	Each 3 Ph.**
With Safety Guards‡						
PV63†	2900	1/80	272	7	$ 34.56	.....
PV83†	1650	1/50	400	8	37.44	.....
PV103†	1550	1/50	594	9	43.92	.....
PV123†	1725	1/8	1239	17	59.76	.....
PV123	1600	1/10	1188	25	108.72	.....
PV163	1725	1/2	2534	37	115.92	$168.48
PV163	1140	1/4	1675	55	152.64	.....
PV183	1725	5/8	4065	57	156.96	186.48
PV183	1140	1/6	2686	62	186.48	.....
PV213	1725	3/4	4914	77	187.20	228.24
PV213	1140	1/4	3812	70	212.40	.....
PV243	1140	7/8	6254	100	249.12	318.24
PV243	855	1/3	4691	134	313.92	.....
Without Safety Guards						
PV303	1140	2½	13500	270	.....	455.76
PV303	855	1	10125	240	.....	439.20
PV303	685	½	8112	220	389.52	.....
PV363	570	⅝	10596	355	560.16	490.32
PV369	855	2	17200	335	.....	637.20
PV483	490	1½	23295	560	.....	762.04
PV485	855	6	35279	430	.....	919.44

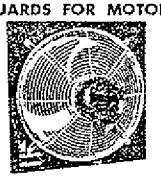
*115, 115/230, 230 or 208 volt. **230/460 or 208 volt.
†115 volt three-speed switch available for these sizes.
Catalog Numbers: No. 7306, sizes 63 and 103; No. 7302 size 83; No. 7304, size 123.
‡Motor side.

Two Speed, 1 Phase, 60 Cycle

Unit Size	RPM	HP	CFM @ 0" S.P.	Price Each 115V.
With Safety Guards				
PV163	855	1/12	1256	$115.92
	1140		1675	
PV163	1140	1/3	1675	152.64
	1725		2534	
PV183	855	1/6	2015	156.96
	1140		2686	
PV183	1140	5/8	2686	186.48
	1725		4065	
PV213	855	1/4	2859	187.20
	1140		3812	
PV243	570	1/3	3127	259.92
	855		4691	
Without Safety Guards				
PV303	500	1/2	5700	389.52
	685		8112	
PV363	425	5/8	7900	560.16
	570		10596	

Note: Furnished with remote flush-mounted switch having high, low and off positions. Low speeds indicated are approximate. All two-speed, single phase fans take less than 12 amps, can be wired with four #14 wires to two-speed switch.

FAN GUARDS FOR MOTOR SIDE

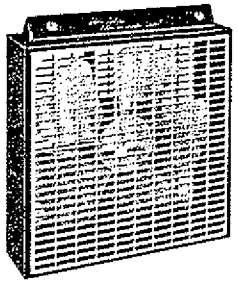


Guard Size	For Fans	Weight Lbs.	Cat. No.	Each
For Type PV Fans				
63 thru 243	63 thru 243	These types available with Standard Safety Guards.		
303	303	30	H8205	$ 53.28
363	363	40	H8206	103.68
369	369	40	7476	43.20
483	483	50	H8208	197.28
485	485	50	7478	64.80
For Type PVX Fans				
123	123	Safety Guard Included.		
163	163	12	H8197	40.32
183	183	15	H8198	43.20
213	213	20	H8199	46.80

Prices are F.O.B. Chicago, Ill.

BRENTWOOD ELECTRIC FANS

DELUXE 3-SPEED 20" PORTABLE FANS MODELS 2746 AND 2762

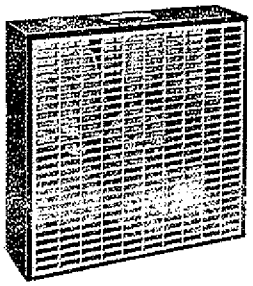


Deluxe "H" bracket motor mounts for quiet operation. Fans 3-speed rotary switch is located in top mounted control panel. 5-prop, polished aluminum blades, electronically balanced. Models have safety grills — front and back. Units are able to convert to rollabout fan with optional fan stand. 5-year guarantee with Free Nationwide Service. U.L. listed.

115 Volts — 60 Cycles

Cat. No.	CFM Low	CFM High	Dimens., In. Ht.	Wdth.	Dpth.	Each
Manually Reversible						
2746	2000	5100	25	22	6	$20.31
Electrically Reversible						
2762	2000	5100	25	22	6	23.80

ECONOMY 2-SPEED 20" PORTABLE FANS MODELS 2714 AND 2716

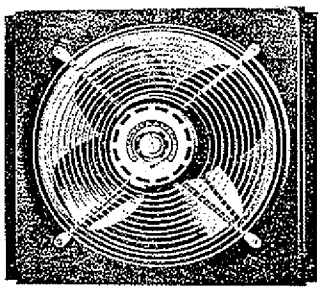


Models feature a 2-speed rotary switch; heavy plastic strap carrying handle; safety grills, front and back; new precision molded 5 blade "Silent-Flow" jet prop, electrically balanced. Permanently lubricated motor. Converts to rollabout fan with optional fan stand. 5-year guarantee with Free Nationwide Service. U.L. listed.

115 Volts — 60 Cycles

Cat. No.	CFM Low	CFM High	Dimens., In. Ht.	Wdth.	Dpth.	Each
Manually Reversible						
2714	2000	5100	22	22	6	$14.71
Electrically Reversible						
2716	2000	5100	22	22	6	18.40

ULTRA-DELUXE 20" WINDOW FAN MODEL 2711

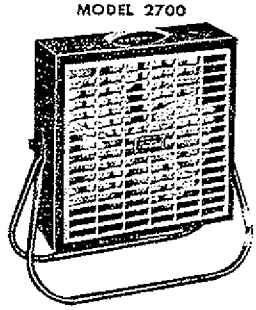


Features 4-prop, polished aluminum blades, electronically balanced. Units have permanently sealed motor which never needs oiling. Extension panels fit windows 27" to 37½". Safety grill. 5-year guarantee with Free Nationwide Service. U.L. listed.

115 Volts — 60 Cycles

Cat. No.	CFM Exhaust Low	CFM Exhaust High	CFM Intake Low	CFM Intake High	Each
Electrically Reversible					
2711	2700	6100	2700	6100	$26.26

12" MULTI-PURPOSE AIR CIRCULATOR MODEL 2700

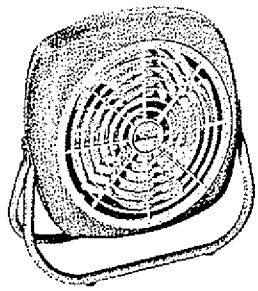


Models feature a precision molded "Quik-Clean" safety grill; new precision molded, 5-blade "Silent-Flow" jet prop; 2-speed, 3-position push button switch. Motor guaranteed for 5 years. Free Nationwide Service.

115 Volts — 60 Cycles

Cat. No.	CFM	Dimens., In. Ht.	Wdth.	Dpth.	Each
2700	1600	18	18	8	$12.95

10" MULTI-PURPOSE AIR CIRCULATOR MODEL 2701

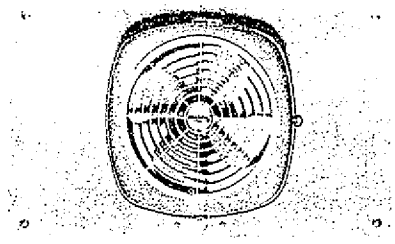


Pivots to desired cooling position. Equipped with safety grills, front and back; 4-prop precision molded "Silent-Flow" blade, electronically balanced. Permanently lubricated motor. 1-year guarantee with Free Nationwide Service. U.L. listed.

115 Volts — 60 Cycles

Cat. No.	CFM	Dimens., In. Ht.	Wdth.	Dpth.	Each
2701	1200	12	12	4	$8.48

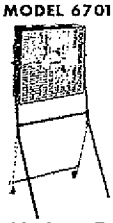
10" REVERSIBLE WINDOW FAN MODEL 2702



Units have 4-prop, precision molded "Silent-Flow" blades, electronically balanced; safety grills, front and back; permanently lubricated motor. Fits windows from 25" to 36" and 15" high. 1-year guarantee with Free Nationwide Service. U.L. listed.

Cat. No.	CFM	Dimens., In. Ht.	Wdth.	Dpth.	Each
2702	1200	15	25	4	$11.84

CUSTOM ROLLABOUT FLOOR STAND MODEL 6701



Fits all 20" portable fans. Rolls easily on non-mark wheels. Assembles quickly and easily. Bright plated finish. Approx. weight 4 lbs.
Cat. No. 6701 .....Each $4.56

WINEGARD ANTENNA SYSTEMS

CARTRIDGE PREAMPLIFIERS

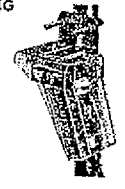


For boosting TV signals in weak signal areas. All solid state circuitry for long life, low power consumption and maintenance-free service.

Eight models to choose from allow installer to fill exact requirements of each installation.

Model	Description	Each
AC-223B	VHF-FM 300 ohm	$21.15
AC-295B	VHF-FM 75 ohm	22.02
AC-423B	UHF 300 ohm	21.45
AC-495B	UHF 75 ohm	22.44
AC-623B	FM 300 ohm	22.44
AC-695B	FM 75 ohm	25.66
AC-823B	VHF-UHF-FM 300 ohm	26.78
AC-895B	VHF-UHF-FM 75 ohm	28.33

UNIVERSAL CARTRIDGE HOUSING



Permits any of the cartridge preamplifiers to be used on antennas without the built-in housing, 300 ohm input.
Model ACH-1 .....each $2.97

VHF-FM BOOSTER-COUPLERS



Model BC-234

Winegard's BC-234 is a transistorized VHF-FM Booster/Coupler/Amplifier, designed to distribute signals to several TV sets or wall outlets.

The BC-234 may be used as a 4-set, 300 ohm booster-coupler with +10db gain to each output, or a high input distribution amplifier with +17 db gain and a total output of 66dbmv (2.1 volts).

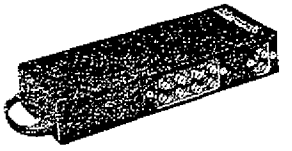
Choice of 75 or 300 ohm input. Output connections are through four 300 ohm "no strip" screw terminals or a single 75 ohm, F jack. 117 VAC, 60 Hz. Two F-59 connectors and mounting hardware provided.
Model BC-234 .....each $23.97

Model BC-274

Similar to BC-234 above except output is thru four 75 ohm, F jacks. The Model BC-274 amplifies VHF-FM signals, divides them four ways and provides +6.2 db gain to each output.

Ideal for 75 ohm home systems. The extremely high input and output allows the BC-274 to be used as a four-way amplified splitter to operate short trunk lines. 117 VAC, 60 Hz. Five F-59 connectors and mounting hardware provided.
Model BC-274 .....each $25.17

VHF-UHF-FM BOOSTER-COUPLERS



300 ohm 82-channel booster-coupler with +5db gain to each of four outputs. Distributes VHF-UHF-FM signals to four TV sets or wall outlets. Input and output connections are 300 ohm Malco type.
Model BC-382 .....each $25.39

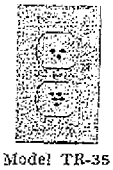
75 ohm 82-channel booster-coupler with +6.5 db gain to each of four outputs. Distributes VHF-UHF-FM signals to four TV sets or wall outlets. Connections are 75 ohm F-type, suitable for RG-59/U or RG-11/U foam or solid core cable. Five F-59 connectors supplied.
Model BC-782 .....each $28.30

TV-ROTOR OUTLETS



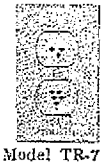
Model T-3

Flush mounting, 300 ohm, 82-channel TV outlet. Input connection is 300 ohm no-strip Malco type. Output connection is 300 ohm plug type. Nylon plug included.
Model T-3 .....each $1.47



Model TR-35

Flush mounting, 82-channel TV outlet and 5-wire rotor plug type receptacle. TV input connection is 300 ohm no-strip Malco type. Two nylon disconnect plugs supplied.
Model TR-35 .....each $2.70



Model TR-7

Flush mounting, 82-channel TV outlet and rotor plug type receptacle. TV input connection is 75 ohm push-on type for RG-59/U solid or foam cable. Two nylon disconnect plugs provided.
Model TR-7 .....each $2.97

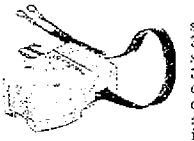
SURFACE-MOUNT BOX



Low profile, surface-mounting box for TV wall outlets or line tap-offs. Ideal for locations where flush-mounting is not practical. Rugged plastic box mounts on any flat surface, accepts cable or twin-lead. Mounting screws provided. Blister pak, one per card.
Model SM-1 .....each $0.40

BAND SEPARATORS

Model CS-285



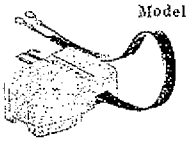
The Model CS-285 band separator adapts a single 300 ohm twinlead to the separate VHF and UHF 300 ohm input terminals of an 82-channel TV receiver. Use the CS-285 on any 82-channel antenna installation with 300 ohm downlead, or to match 300 ohm cable from the wall outlet to an 82-channel TV set.
Model CS-285 .....each $1.93

Model CS-175



The Model CS-175 band separator adapts a coax line to the separate VHF and UHF 300 ohm inputs of an 82-channel TV receiver. Use the CS-175 on any 82-channel antenna installation with coax downlead, or to match coaxial cable from wall outlet to an 82-channel TV set. One F-59 connector supplied.
Model CS-175 .....each $3.19

Model CS-380



The Model CS-380 band separator connects to single 300 ohm downlead to separate VHF-UHF and FM signals to TV and FM receivers. VHF and UHF are thru short lengths of twinlead and terminal wires. FM output is thru handy no-strip screw terminals.
Model CS-380 .....each $2.25

INDOOR FM TRAP (75 OHM)

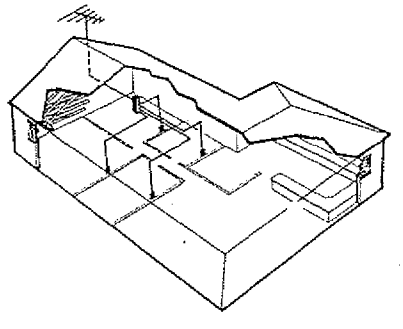


Winegard's Model T-FM7 is a fixed 75 ohm FM trap designed to attenuate the entire FM band –25db. The T-FM7 eliminates FM interference and overload problems in 75 ohm systems. AC-DC Passive, UHF Passive. The T-FM7 is housed in a rugged, surface mounting, steel box suitable for installation anywhere inside. Input and output connections are 75 ohm "F" type suitable for either RG-59/U or RG-11/U foam or solid core cable. Two F-59 connectors and mounting screws supplied.
Model T-FM7 .....each $4.30

HIGH-Q, VHF, LOW BAND TRAP (75 OHM)

Winegard's Model TRT-LO is a 75 ohm high-Q trap for attenuating one or more VHF-FM frequency to prevent adjacent channel interference. The Model TRT-LO will attenuate one low band VHF channel or FM station –20db. Each model has a bandpass of 0 to 900 MHz, allowing AC or DC power to be passed through the unit to operate preamplifiers or line amplifiers. UHF signals are passed with negligible loss. Input and output impedance is 75 ohms through standard F-type connectors suitable for either RG-59/U or RG-11/U cable. Two F-59 connectors supplied.
Model TRT-LO .....each $12.82

RESIDENTIAL AND SMALL MASTER ANTENNA SYSTEM



Winegard's Model HSO-782 TV system provides all the equipment necessary to deliver VHF-UHF-FM signals from a single antenna to four wall outlets. A solid state booster coupler supplies each outlet with as much or more signal than could be received with a separate antenna connected to each outlet. System guarantees perfect color and black and white picture on every set in the house. Low-loss coaxial cable insures snow and interference-free pictures.

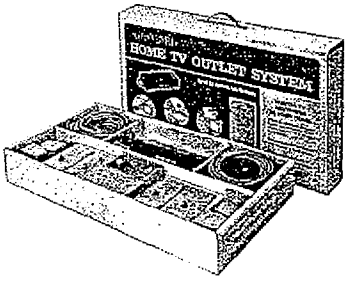
- 1 BC-782 Booster Coupler
- 4 75 ohm Outlets with Cover Plates
- 2 35' Coax Cable w/Connectors
- 2 25' Coax Cable w/Connectors
- 4 TV Set Cords
- 4 SM-1 Surface Boxes
- 1 300 ohm Antenna Input Adaptor
- 12 Cable Clips
- 4 Sets Plaster Straps
- Mounting Hardware

Model HSO-782 .....each $59.95

Model CX-15 Cable Kit

If additional cable is required, order Model CX-15 Cable Kit. CX-15 includes 15' cable and adapter.
Model CX-15 .....each $3.15

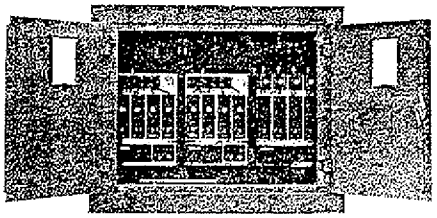
HSO-782 82-CHANNEL HOME TV-FM SYSTEM



WINEGARD ANTENNA SYSTEMS

Winegard television signal distribution equipment is engineered to provide perfect color and black and white TV reception to any number of wall outlets in motels, schools, hospitals, all types of commercial buildings and homes. Television distribution systems are of special interest to the electrical contractor; as the installation techniques are essentially the same as those used when running conduit, installing receptacles and pulling wires. Graybar supplies complete design service with wiring diagrams, list of materials and bid sheets upon request. Look to Graybar as your national distributor of Winegard Television Distribution Equipment and bid a Winegard TV system on your very next project.

Typical systems, with a brief description of equipment used, are shown here to familiarize the contractor with Winegard equipment. Your Graybar salesman has a catalog showing the complete Winegard line.

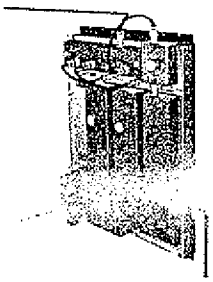


Winegard Ultra-Plex
MATV Power Panel
With Strip Amplifiers

1. COLOR WEDGE 82-CHANNEL ANTENNA

COLOR WEDGE 82-CHANNEL ANTENNA features high gain and good directivity. Built-in cartridge housing provides permanent weather protection for downlead connections or optional solid state preamplifiers.

2. ULTRA-PLEX 82-CHANNEL MODULAR DISTRIBUTION SYSTEM



ULTRA-PLEX 82-CHANNEL MODULAR DISTRI[illegible] SYSTEM. [illegible] strip amplifiers, [illegible] converters and line amplifiers are designed to work with each other.

The Ultra-Plex system is extremely flexible, allowing the installer to choose the exact equipment needed for the particular job, yet will never become obsolete; as new stations or outlets may be added at any time with a minimum expense.

Model DS-410 Power Panel supplies power necessary to operate components and couple together output signals of individual strip amplifiers.

The DS-410 features 200ma zener-regulated power supply and output meter.

Model DS-410 .....each $54.52

Model DS-310 Power Panel is similar to DS-410 except without output meter and regulated power supply.

Model DS-310 .....each $32.05

SIGNAL SEPARATORS AND SINGLE CHANNEL STRIP AMPLIFIERS FOR POWER PANELS

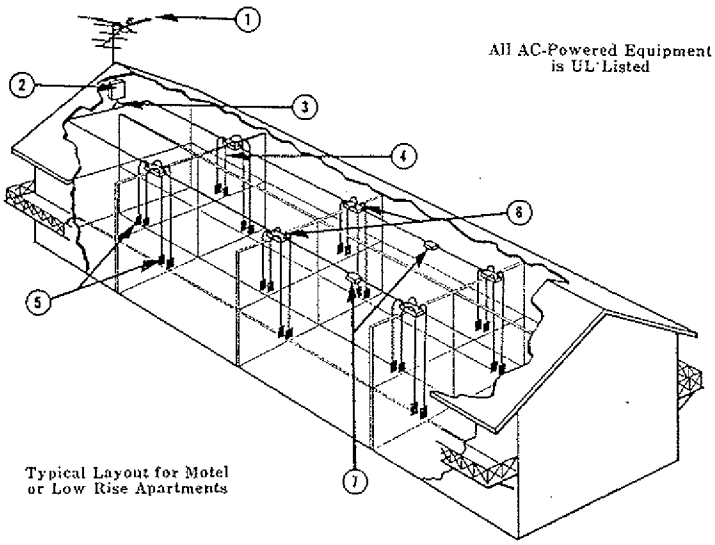
MODEL DS-SP 4-WAY SIGNAL SEPARATOR divides incoming signals from single downlead for connection to individual strip amplifiers. Amplified Model DS-SPA, also available, supplies twice the input signal at each output. Solid state circuitry. Both models attach directly to power panels.

Model DS-SP .....each $10.91
Model DS-SPA .....each 19.23

MODEL DS-2 THRU 83 STRIP AMPLIFIERS amplify any single VHF or UHF TV channel +30db. VHF Models DS-2 thru 13 have plug-in attenuator pads which provide up to 20db of signal control. VHF Models DS-14 thru 83 use Model CP-182 signal controller which mounts on input jack.

All models plug directly into power panels. Solid state circuitry.

Model DS-2 thru 6 .....each $22.42
Model DS-7 thru 13 .....each 25.63
Model DS-14 thru 83 .....each 28.86



All AC-Powered Equipment
is UL-Listed

Typical Layout for Motel
or Low Rise Apartments

BROADBAND AMPLIFIERS AND CONVERTORS FOR ULTRA-PLEX POWER PANELS

Solid state, printed circuit, broadband strip amplifier boosts a band of TV-FM frequencies. Model DS-LO amplifies channels 2 thru 6, +30db; Model DS-HI amplifies channels 7 thru 13, +30db; and Model DS-FM amplifies frequencies from 88 to 108 MHz, +22db.

[illegible] strip amplifiers plug directly into [illegible] AC power panels. Signal [illegible] using PI type attenuator pads. Maximum output DS-LO and DS-HI, 56dmv (631,000 microvolts). Maximum outputs DS-FM, 48 dmv (250,000 microvolts). Includes 0db pad.

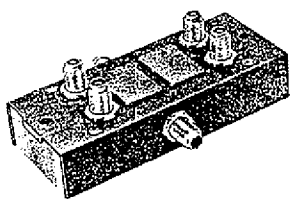
Model DS-LO .....each $22.42
Model DS-HI .....each 22.42
Model DS-FM .....each 19.23

MODEL DS-UC CONVERTER receives UHF channel and converts it to selected VHF channel at output. Mounts on VHF strip amplifier. Factory pretuned; specify UHF channel to be converted and all VHF channels received when ordering.

Solid state circuitry.

Model DS-UC .....each $19.23

6. VARIABLE LINE DROP TAPS



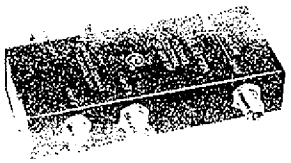
Model LDV-4 Line Drop Tap connects to main trunk line and provides four feeder lines for connecting wall outlets. Isolation continuously variable from 10 to 25db by simple adjustment. All connectors supplied.

Model LDV-2 is same as above except with two feeder line outputs.

Model LDV-1 is same as above except with single feeder line output.

Model LDV-1 .....each $4.83
Model LDV-2 .....each 6.75
Model LDV-4 .....each 11.13

DIRECTIONAL LINE DROP TAPS



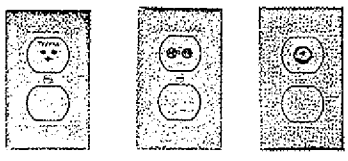
Directional Line Drop Taps allow VHF and UHF signals to be taken from a trunk line with virtually no change in VSWR of trunk line. Designed to pass signal to the outputs in one direction only. Signals reflected up trunk line are attenuated an average of -27db to the outlets. Backmatch (VSWR looking back at the tap from the feeder line) is less than 1.3:1, eliminating standing waves on feeder line.

Available with single, double or four-way outputs to provide signal to feeder lines or wall outlets. All taps AC-DC passive. 15db isolation only. Two F-11 connectors and one F-59 connector for each drop tap connection included with each tap.

Model DLT-10 1-Way .....each $7.05
Model DLT-20 2-Way .....each 8.40
Model DLT-40 4-Way .....each 10.35

5. 75 OHM FLUSH MOUNTING TV OUTLETS

These outlets feature very low insertion loss, AC isolation network and a choice of three popular outputs. All models are furnished with standard electrical wallplates. Available in ivory or brown.



Model T-7A has 75 ohm input and 300 ohm output thru handy nylon disconnect plug.

Model T-7P has 75 ohm input and 300 ohm output thru "no-strip" screw terminals.

Model T-77 has 75 ohm input and 75 ohm output thru F-59 connector.

Model SM-1 Surface Mounting Box converts any of the above outlets to surface-mounting type.

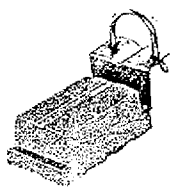
Model T-7A .....each $2.40
Model T-7P .....each 2.40
Model T-77 .....each 2.25

WINEGARD ANTENNA SYSTEMS

8. ANTENNAS

SUPER COLORTRON SINGLE CHANNEL VHF YAGIS are highly efficient 10-element antennas designed for optimum performance on a single TV channel. SCY model yagis meet the most demanding requirement of Master Antenna Systems — feature pin-point directivity, high gain and extremely rugged construction. Gold Anodized and 100% factory pre-assembled — unfolds in seconds.

9. COUPLERS AND MATCHING TRANSFORMER



MODEL CCC-2 THRU 13 ANTENNA COUPLERS combine the signals from two or more single channel antennas into a single 75 ohm downlead. CCC couplers feature plug-in attenuator pads for equalizing signals. With the exception of Channels 4 and 5 or 6 and 7, adjacent channel coupling is not recommended. Connectors supplied.

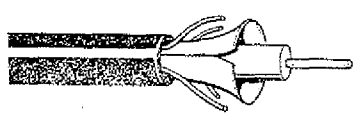
Model CCC-2 thru 13 ..... each $8.97



MODEL T-28 MATCHING TRANSFORMER for attaching coaxial cable to 300 ohm antenna or input terminals of TV set. F-59 connector and boot supplied.

Model T-28 ..... each $1.78

4. COAXIAL CABLE



COLOR LINE 2700 COAXIAL CABLE. Low loss, 75 ohm, RG-59/U type coaxial cable designed especially for 82-channel TV distribution systems. Features low loss, cellular polyethylene dielectric with double foil shield. Fits all F-59 and P-59 connectors.

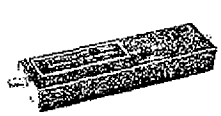
COLOR LINE 2800 is the same as above, except lower loss. Accepts all RG-6/U type connectors such as F-56 and P-56 with F-59 ferrule.

Model CL-2700 ..... per M Foot Spool $46.28
Model CL-2800 ..... per M Foot Spool 57.30

Color Line 2700 Cable in 50', 75' and 100' lengths:

Model CL-50 (50') ..... each $5.59
Model CL-75 (75') ..... each 6.83
Model CL-100 (100') ..... each 8.70

7. LINE AMPLIFIERS



LINE AMPLIFIERS boost signals on trunk lines to allow for the addition of cable and tap-off devices. All models feature solid state circuitry on printed circuit boards. Powered thru trunk line from power panel, distribution amplifier or auxiliary power supply.

MODEL L-213A VHF-FM line amplifier boosts Channels 2 thru 13, +15db and passes UHF signals with negligible loss. Features 3db switch selectable pad and built-in tilt compensation. Connectors supplied.

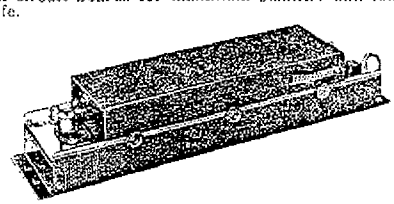
MODEL L-283A VHF-UHF-FM line amplifier boosts UHF signals, +18db and VHF signals 15db. Features 3db switch selectable pad on VHF section and built-in tilt compensation. Connectors supplied.

MODEL L-483A UHF line amplifier boosts Channel 14 thru 83, +20db and passes VHF signals with negligible loss. Connectors supplied.

Model L-213A ..... each $22.42
Model L-283A ..... each 29.53
Model L-483A ..... each 20.85

10. BROADBAND DISTRIBUTION AMPLIFIERS

BROADBAND DISTRIBUTION AMPLIFIERS for all VHF-UHF Channels 2 thru 83. These broadband amplifiers feature all solid state circuitry on printed circuit boards for maximum stability and long life.



MODEL DA-840 VHF-UHF-FM Distribution Amplifier with +40db gain and a total maximum output level of 1.4 volts (63dbmv) on VHF and 1 volt (60dbmv) on UHF. The Model DA-840 features zener-regulated power supply, fixed input pads, switch selectable FM trap, lightning protection circuit and signal test point.

MODEL DA-825A VHF-UHF-FM Distribution Amplifier with 25db gain. The Model DA-825A features separate VHF and UHF inputs, zener-regulated power supply, FM trap and lightning protection circuit.

MODEL DA-1000 VHF-FM Distribution Amplifier provides +54db gain and a total maximum output level of 7 volts (77dbmv). The DA-1000 features variable gain control, tilt compensation switch, fixed input pads, switch selectable FM trap and signal test point.

MODEL DA-900 VHF-FM Distribution Amplifier provides +40db gain and a total maximum output level of 3.3 volts (70dbmv). Features are the same as the DA-1000.

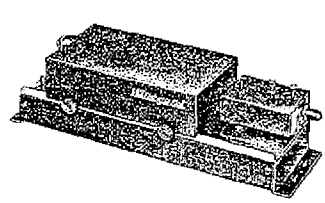
MODEL DA-800 VHF-FM Distribution Amplifier provides +28db gain and a total maximum output level of 2 volts (66dbmv). The DA-800 features switch selectable FM trap, fixed input pads and signal test point.

MODEL DA-440 UHF (Channels 14 thru 83) Distribution Amplifier provides +40db gain and a total maximum output of 1 volt (60dbmv). The DA-440 features zener-regulated power supply, VHF coupling jack and fixed input pads.

MODEL DA-425 UHF (Channels 14 thru 83) Distribution Amplifier provides 25db gain and a total maximum output of 1 volt. Features are the same as DA-440.

Model DA-840 ..... each $176.55
Model DA-825A ..... each 83.47
Model DA-1000 ..... each 144.45
Model DA-900 ..... each 89.88
Model DA-800 ..... each 57.78
Model DA-440 ..... each 112.35
Model DA-425 ..... each 80.25

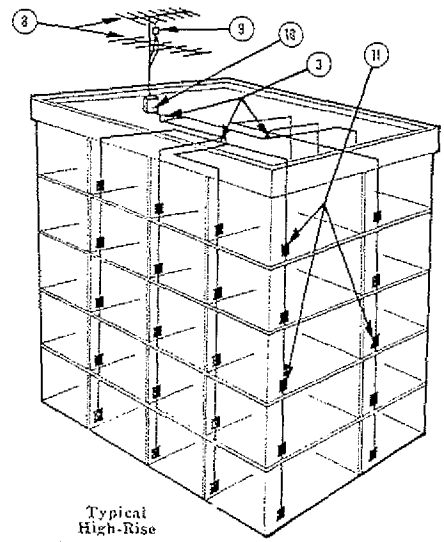
CONVERTOR, UHF TO VHF, SINGLE CHANNEL



Winegard's UC-175 is designed to convert any single UHF channel to an unused VHF channel for distribution in a MATV system. A built-in coupling circuit enables other VHF channels to be introduced to the trunk line along with the converted UHF channel. The UC-175 convertor has a plug-in attenuator pad to equalize converted signals and coupled trunk line signals. Voltage is available at the convertor input jack to operate a UHF antenna-mounted preamplifier directly without a separate power supply. All connectors are 75 ohm F type suitable for RG-59/U and RG-11/U cable. Three F-59 connectors supplied.

NOTE: This unit is factory pretuned; specify the UHF channel to be converted and all VHF channels to be received when ordering.

Model UC-175 ..... each $64.17



Typical High-Rise

3. LINE SPLITTER



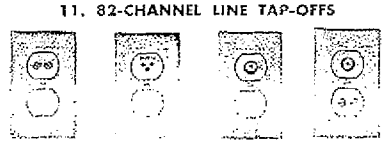
MODEL LS-275C LINE SPLITTER divides 82-channel TV and sub-channel signals on a coaxial line into two equal parts, each containing all the information of the original.

Features ~3.8db insertion loss, V.S.W.R. 1.3:1 and average isolation between outputs of 18db. Connectors furnished.

MODEL LS-475C LINE SPLITTER, same as above, only divides signal into four parts. Features 7.5db insertion loss, V.S.W.R. 1.3:1 and 18db isolation between outputs.

Model LS-275C ..... each $5.25
Model LS-475C ..... each 5.97

11. 82-CHANNEL LINE TAP-OFFS



82-CHANNEL LINE TAP-OFFS fit into standard flush-mount electrical boxes and have ivory duplex wallplates which match electrical outlets. All have 75 ohm input and are available for either RG-59/U or RG-6/U type cable. Isolation continuously variable from 10 to 25db by making simple adjustment. To order brown add suffix "B" to model number. All hardware and connectors supplied. Tap-offs and wallplates available bulk packed.

MODEL VTF-73 Outlet Connection is 300 ohm no-strip screw type. Order Model VTF-63 for RG-6/U type cable.

Model VTF-73 ..... each $3.09

MODEL VTF-73A Outlet Connection is 300 ohm nylon quick-disconnect plug. Order Model VTF-63A for RG-6/U type cable.

Model VTF-73A ..... each $3.13

MODEL VTF-77 Outlet Connection is 75 ohm F-type connector. Order Model VTF-67 for RG-6/U type cable.

Model VTF-77 ..... each $3.30

MODEL VTF-77F, 75 ohm TV Outlet, plus 300 ohm FM Outlet. TV outlet is F-type; FM outlet is no-strip screw type. Order VTF-67F for RG-6/U type cable.

Model VTF-77F ..... each $4.17

BULK PAK TAP-OFFS. Mounting hardware and ferrules provided. Ivory only, without wallplates.

Model VTF-630 ..... 24 per ctn. $71.28
Model VTF-670 ..... 24 per ctn. 75.60
Model VTF-730 ..... 24 per ctn. 71.28
Model VTF-770 ..... 24 per ctn. 75.60

82-CHANNEL FIXED ISOLATION TAP-OFFS. Available in isolation values of 10, 15 and 20db. AC passive thru trunk line connectors. Flush-mounting, fit standard receptacle boxes or mount on plaster straps. Specify isolation value when ordering.

Model LTF-77A features 75 ohm F-type outlet connection.

Model LTF-77A-10, 15 or 20 ..... each $3.03

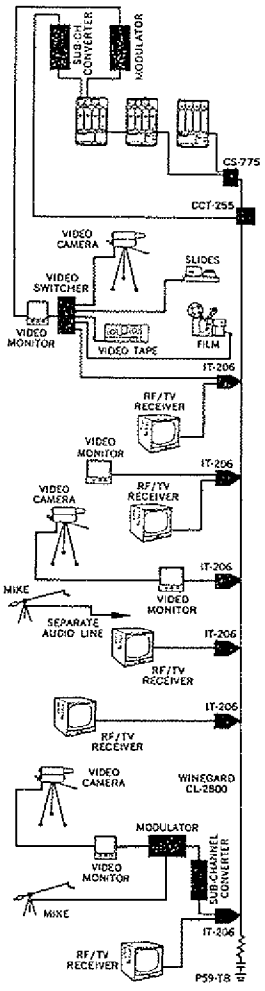
Model LTF-73P features 300 ohm no-strip screw terminals on outlet.

Model LTF-73P-10, 15 or 20 ..... each $2.85

WINEGARD ANTENNA SYSTEMS

INSTITUTIONAL TV TAPS

Institutional TV tap designed to distribute all 82 standard TV channels and provide a means of connecting sub-channel or video signals from any tap to the front end equipment. The ITV tap is the only unit available which will distribute all 82 TV channels and at the same time allow programs to originate at any tap location on RF, sub-channel or video frequencies. The unique flexibility of this tap prevents the wired-in portion of the system from ever becoming obsolete. New channels may be added or the mode of local program origination changed without replacing taps or permanent wiring. RF isolation of the tap is variable from 10 to 25db, allowing efficient use to be made of all trunk line signals. Absolutely no accessory items are needed — one self-contained unit provides all the functions necessary and fits any standard electrical outlet box. Stainless steel cover plate makes taps "child-proof" — hinged covers protect camera and TV connectors from dust, moisture and impact damage.



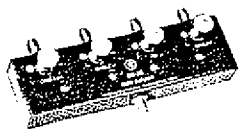


IT-202 and IT-206

82-channel institutional TV tap for distributing TV signals and connecting video, RF and sub-channel signals back to the head end. IT-202 is equipped with P-59 trunk line connectors for RG-59/U type cables. IT-206 is equipped with P-56 connector for RG-6/U type cables. Two F-59 connectors, ferrules, mounting screws and cover plate provided.

Model IT-202T .....each $21.79
Model IT-206T .....each 21.79

MIXER EQUALIZERS



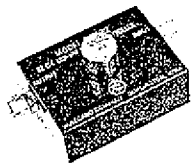
MODEL ME-26 OR ME-713 MIXER EQUALIZERS for combining and equalizing signals from single channel antennas. Equalization range is from 0 to –20db by using plug-in attenuator pads. Model ME-26 covers Channels 2 thru 6, plus FM. Model ME-713 covers channels 7 thru 13. Factory pretuned; specify channels when ordering. Connectors supplied.

Model ME-26 .....each $19.23
Model ME-713 .....each 21.16

ATTENUATOR PADS

Winegard's Model CP-182 is a 75 ohm, 82-channel variable attenuator designed to control VHF-FM-UHF signals on a coaxial line. A single CP-182 will give attenuation control from 0 to –20db, using PD type plug-in attenuator pads. One male and one female F-type connector permit the unit to be inserted anywhere there is a connection in a coax line. The CP-182 fits directly on the input connectors of the Ultra-Plex UHF strip amplifiers. 3 and 6db pad supplied.

Model CP-182 .....each $6.37



The model CP-282 is a 75 ohm, 82-channel variable attenuator designed to control VHF and UHF signals separately on a coaxial line. A single CP-282 will give attenuation control from 0 to –20db on both VHF and UHF frequencies, using PD type plug-in attenuator pads. 3 and 6db pad supplied.

Model CP-282 .....each $10.65

PLUG-IN ATTENUATOR PADS

Plug-In Attenuator Pads for all Winegard Attenuators, Strip Amplifiers, Mixer Equalizers, etc.

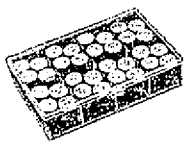
Specify Attenuation 0, 3, 6, 9.5, 12, 14, 17, or 20 when ordering.

Model	Attenuation	Signal Reduction
PD-0	-0db	
PD-3	-3db	25%
PD-6	-6db	50%
PD-9.5	-9.5db	66%
PD-12	-12db	75%
PD-14	-14db	80%
PD-17	-17db	86%
PD-20	-20db	90%

PD Pads Work on All 82 Channels (VHF and UHF) and are AC Passive.

Model PD-0-20 .....each $0.80

PD PAD KIT



Winegard plug-in attenuator pads in handy kit form. Refillable transparent caddy contains four of each pad value available—0, 3, 6, 9.5, 12, 14, 17 and 20db. BANDPASS: 0 to 1000 MHz; MAX. RF INPUT: 6v, .5 watt; VSWR: 1.25:1.

Model PD-Kit .....each $25.60

TOOLS



Staple gun for fastening coax cable to wood baseboard, floor, etc. Eliminates wire damage. Gives neater, faster cable runs. T-25 is for RG-59/U cable, T-75 is for RG-11/U cable.

Model T-25 .....each $17.10
Model T-75 .....each 17.10

Model S-25 Staples for RG-59/U/5000 ..... 4.76
Model S-75 Staples for RG-11/U/1000 ..... 2.41

TOOLS

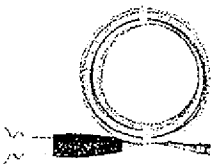


Ferrule crimping tool assures tight, neat crimp every time. Has forming slots for both RG-59/U and RG-11/U coaxial cable.

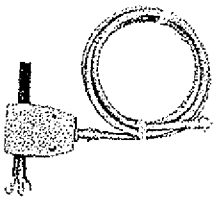
Model CR-1 .....each $5.71

82-CHANNEL TV SET CORDS

75 ohm, 82-channel factory-made TV set signal cords to use between wall outlet and TV set. Rejects strong, local signals which cause ghosting. Two standard 5-ft. models available from stock. Custom-made lengths in minimum orders of 100 units.



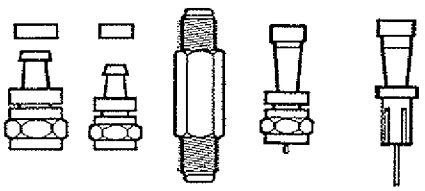
MTJ-5 Five ft. cord of RG-59/U coax with "F" connector and molded 75 to 300 ohm matching transformer for use with VHF or UHF line taps.



MSJ-5 Five ft. cord of RG-59/U coax with "F" connector and 82-channel band separator for connecting line taps to separate VHF and UHF antenna connections on TV set.

Model MTJ-5 .....each $2.89
Model MSJ-5 .....each 3.83

CONNECTORS AND TERMINATORS



F-56 Connector for Winegard Color-Line 2800 or any RG-6/U type cable.

Model F-56 .....each $0.39

F-59 Connector for Winegard Color-Line 2700 or RG-59/U type cable.

Model F-59 .....each 0.39

F-11 Connector for all RG-11/U type cables with solid or foam dielectric.

Model F-11 .....each 1.05

F-59TB Terminator for all F-59 type panel connectors.

Model F-59TB .....each 0.76

P-56TB Terminator for all P-56 panel connectors.

Model P-56TB .....each 0.73

P-59TB Terminator for all P-59 panel connectors.

Model P-59TB .....each 0.73

F-81M Cable to Cable Adaptor connects two F-59, F-56 or F-11 connectors together.

Model F-81M .....each 0.96

How to Plan and Order an MATV System

Contact your Graybar salesman for the catalog describing Winegard's complete line of television signal distribution equipment and Systems Planning Guide Form #WS-22R. Fill out form and return it to your Graybar salesman along with any drawings or building plans which will help Graybar's MATV specialists in designing the system. Graybar will return to you a detailed system layout, equipment parts list with cost, a sample bid proposal and spec sheets pertaining to the recommended equipment.

WIRING DATA TABLES

ALLOWABLE CONDUCTOR AMPACITIES

1968 National Electrical Code

Table 310-12. Allowable Ampacities of Insulated Copper Conductors

Not More than Three Conductors in Raceway or Cable or Direct Burial (Based on Ambient Temperature of 30° C. 86°F.)

Size	Temperature Rating of Conductor. See Table 310-2(a)						
AWG MCM	60°C (140°F)	75°C (167°F)	85°C (185°F)	90°C (194°F)	110°C (230°F)	125°C (257°F)	200°C (392°F)
	TYPES RUW (14-2), T, TW	TYPES RH, RHW, RUH (14-2), THW, THWN, XHHW, THW-MTW	TYPES V, MI	TYPES TA, TBS, SA, AVB, SIS, FEP, FEPB, RHH, THHN, XHHW**	TYPES AVA, AVL	TYPES AI (14-8), AIA	TYPES A (14-8), AA, FEP*, FEPB*
14	15	15	25	25 †	30	30	30
12	20	20	30	30 †	35	40	40
10	30	30	40	40 †	45	50	55
8	40	45	50	50	60	65	70
6	55	65	70	70	80	85	95
4	70	85	90	90	105	115	120
3	80	100	105	105	120	130	145
2	95	115	120	120	135	145	165
1	110	130	140	140	160	170	190
0	125	150	155	155	190	200	225
00	145	175	185	185	215	230	250
000	165	200	210	210	245	265	285
0000	195	230	235	235	275	310	340
250	215	255	270	270	315	335	....
300	240	285	300	300	345	380	....
350	260	310	325	325	390	420	....
400	280	335	360	360	420	450	....
500	320	380	405	405	470	500	....
600	355	420	455	455	525	545	....
700	385	460	490	490	560	600	....
750	400	475	500	500	580	620	....
800	410	490	515	515	600	640	....
900	435	520	555	555	....	....	....
1000	455	545	585	585	680	730	....
1250	495	590	645	645	....	....	....
1500	520	625	700	700	785	....	....
1750	545	650	735	735	....	....	....
2000	560	665	775	775	840	....	....

* Special use only. See Table 310-2(a).
** For dry locations only. See Table 310-2(a).
These ampacities relate only to conductors described in Table 310-2(a).
† The ampacities for Types FEP, FEPB, RHH, THHN, and XHHW conductors for sizes AWG 14, 12 and 10 shall be the same as designated for 75°C conductors in this Table.

Table 310-14. Allowable Ampacities of Insulated Aluminum Conductors

Not More than Three Conductors in Raceway or Cable or Direct Burial (Based on Ambient Temperature of 30°C. 86°F.)

Size	Temperature Rating of Conductor. See Table 310-2(a)						
AWG MCM	60°C (140°F)	75°C (167°F)	85°C (185°F)	90°C (194°F)	110°C (230°F)	125°C (257°F)	200°C (392°F)
	TYPES RUW (12-2), T, TW	TYPES RH, RHW, RUH (12-2), THW, THWN, XHHW	TYPES V, MI	TYPES TA, TBS, SA, AVB, SIS, RHH THHN XHHW**	TYPES AVA, AVL	TYPES AI (12-8), AIA	TYPES A (12-8), AA
12	15	15	25	25 †	25	30	30
10	25	25	30	30 †	35	40	45
8	30	40	40	40	45	50	55
6	40	50	55	55	60	65	75
4	55	65	70	70	80	90	95
3	65	75	80	80	95	100	115
*2	75	90	95	95	105	115	130
*1	85	100	110	110	125	135	150
*0	100	120	125	125	150	160	180
*00	115	135	145	145	170	180	200
*000	130	155	165	165	195	210	225
*0000	155	180	185	185	215	245	270
250	170	205	215	215	250	270	....
300	190	230	240	240	275	305	....
350	210	250	260	260	310	335	....
400	225	270	290	290	335	360	....
500	260	310	330	330	380	405	....
600	285	340	370	370	425	440	....
700	310	375	395	395	455	485	....
750	320	385	405	405	470	500	....
800	330	395	415	415	485	520	....
900	355	425	455	455	....	....	....
1000	375	445	480	480	560	600	....
1250	405	485	530	530	....	....	....
1500	435	520	580	580	650	....	....
1750	455	545	615	615	....	....	....
2000	470	560	650	650	705	....	....

These ampacities relate only to conductors described in Table 310-2(a).
* For three wire, single phase service, the allowable ampacity of RH, RHH, RHW, and THW aluminum conductors shall be for sizes #2-100 Amp., #1-110 Amp., #1/0-125 Amp., #2/0-150 Amp., #3/0-170 Amp. and #4/0-200 Amp.
** For dry locations only. See Table 310-2(a).
† The ampacities for Types RHH, THHN, and XHHW conductors for sizes AWG 12 and 10 shall be the same as designated for 75°C conductors in this Table

MOTOR INSTALLATION DATA

MOTOR FULL LOAD CURRENT

Average Values for All Speeds and Frequencies

H.P.	SINGLE-PHASE 115 Volts	SINGLE-PHASE 230 Volts	3-PHASE 230 Volts	3-PHASE 460 Volts
½	4.4	2.2	.....	.....
¾	5.8	2.9	.....	.....
1	7.2	3.6	.....	.....
1½	9.8	4.9	2	1
2	12.8	6.4	2.8	1.4
3	16	8	3.6	1.8
5	20	10	5.2	2.6
7½	24	12	6.8	3.4
10	34	17	9.6	4.8
15	56	28	15.2	7.6
20	80	40	22	11
25	100	50	28	14
30	.....	.....	42	21
40	.....	.....	54	27
50	.....	.....	68	34
60	.....	.....	80	40
75	.....	.....	104	52
100	.....	.....	130	65
125	.....	.....	154	77
150	.....	.....	192	96

TO SELECT PROPER SIZE FUSE, SAFETY SWITCH OR CIRCUIT BREAKER FOR MOTOR CIRCUIT

Full Load Current Rating of Motor Amp.	Single-Phase, Squirrel-Cage and Synchronous Full-Voltage, Reactor and Resistor Starting			Squirrel-Cage and Synchronous Auto-Transformer Starting, High Resistance Squirrel-Cage			Wire Size	
	Branch Circuit Fuse Amp.	Switch Size	Circuit Breaker Amp.	Branch Circuit Fuse Amp.	Switch Size	Circuit Breaker Amp.	Types R, RW, T, and TW	Type RH, RHW, THW, THWN
1	15	30	15	15	30	15	14	14
2	15	30	15	15	30	15	14	14
3	15	30	15	15	30	15	14	14
4	15	30	15	15	30	15	14	14
5	15	30	15	15	30	15	14	14
6	20	30	15	15	30	15	14	14
7	25	30	20	15	30	15	14	14
8	25	30	20	20	30	20	14	14
9	30	30	30	20	30	20	14	14
10	30	30	30	20	30	20	14	14
11	35	60	30	25	30	30	14	14
12	40	60	30	25	30	30	14	14
13	40	60	40	30	60	30	12	12
14	45	60	40	30	60	30	12	12
15	45	60	40	30	60	30	12	12
16	50	60	40	35	60	40	12	12
17	60	60	60	35	60	40	10	10
18	60	60	60	40	60	40	10	10
19	60	60	60	40	60	40	10	10
20	60	60	60	40	60	40	10	10
22	70	100	70	45	60	50	10	10
24	80	100	70	50	60	50	10	10
26	80	100	70	60	100	70	8	8
28	90	100	70	60	100	70	8	8
30	90	100	100	60	100	70	8	8
32	100	100	100	70	100	70	8	8
34	110	200	100	70	100	70	6	8
36	110	200	100	80	100	100	6	8
38	125	200	100	80	100	100	6	6
40	125	200	100	80	100	100	6	6
42	125	200	125	90	100	100	6	6
44	125	200	125	90	100	100	6	6
46	150	200	125	100	100	100	4	6
48	150	200	125	100	100	100	4	6
50	150	200	125	100	100	100	4	6
52	175	200	150	110	200	125	4	6
54	175	200	150	110	200	125	4	4
56	175	200	150	125	200	125	4	4
58	175	200	150	125	200	125	3	4
60	200	200	150	125	200	125	3	4
62	200	200	175	125	200	125	3	4
64	200	200	175	150	200	150	3	4
66	200	200	175	150	200	150	2	4
68	225	400	175	150	200	150	2	4
70	225	400	175	150	200	150	2	3
72	225	400	200	150	200	150	2	3
74	225	400	200	150	200	150	2	3
76	250	400	200	175	200	175	2	3
78	250	400	200	175	200	175	1	3
80	250	400	200	175	200	175	1	3
82	250	400	225	175	200	175	1	2
84	250	400	225	175	200	175	1	2
86	300	400	225	175	200	175	1	2
88	300	400	225	200	200	200	1	2
90	300	400	225	200	200	200	1	2
92	300	400	250	200	200	200	0	2
94	300	400	250	200	200	200	0	1
96	300	400	250	200	200	200	0	1
98	300	400	250	200	200	200	0	1
100	300	400	250	200	200	200	0	1
105	350	400	300	225	400	225	00	1
110	350	400	300	225	400	225	00	0
115	350	400	300	250	400	250	00	0
120	400	400	300	250	400	250	000	0
125	400	400	350	250	400	250	000	00

NOTE: Above information compiled from National Electrical Code 1965, Table 430-148. National Electrical Code 1968 does not show a similar table.

AMPACITY CORRECTION FACTORS
Ambient Temperatures Over 30°C, 86°F

C.	F.	60°C (140°F)	75°C (167°F)	85°C (185°F)	90°C (194°F)	110°C (230°F)	125°C (257°F)	200°C (392°F)
40	104	.82	.88	.90	.90	.94	.95	....
45	113	.71	.82	.86	.86	.90	.92	....
50	122	.58	.75	.80	.80	.87	.89	....
55	131	.41	.67	.74	.74	.83	.86	....
60	140	....	.58	.67	.67	.79	.83	.91
70	158	....	.33	.52	.52	.71	.76	.87
75	167	....	....	.43	.43	.66	.72	.86
80	176	....	....	.30	.30	.61	.69	.84
90	194	....	....	....	....	.50	.61	.80
100	212	....	....	....	....	....	.51	.77
120	248	....	....	....	....	....	....	.69
140	284	....	....	....	....	....	....	.59

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