





The White Rubber Corporation

PRODUCT CATALOG

HOW TO USE THIS CD

BOOKMARKS: Click on BOOKMARKS (**first** index tab, top left of screen). Each **product category** is identified as an individual folder. Scroll to select a product category and click on that folder. It will take you immediately to that particular product section in the catalog. To return to the catalog Table of Contents, click on the White Safety Line logo at the top (left or right) of any page.

THUMBNAILS: Click on THUMBNAILS (**second** index tab, top left of screen). Each **page** is displayed in sequential order. Scroll to select a particular page and click on the thumbnail image. It will take you immediately to that specific page in the catalog. To return to the catalog Table of Contents, simply click on the White Safety Line logo at the top (left or right) of any page.

SCROLLING ON PRIMARY CATALOG SCREEN IMAGE: Two options are available utilizing this method. **1)** At right-hand side of screen, scroll to desired page. **2)** At bottom left of screen, use slide to move through the catalog in sequential order, or enter page number in left-hand box to go immediately to that particular page.

TABLE OF CONTENTS: The Table of Contents can be accessed by utilizing any method described above. Once at the Table of Contents, simply click on either the **product category**, or specific **page number** to go immediately to that specific page.

WHITE SAFETY LINE WEB SITE: To access the White Safety Line web site (www.whitesafetyline.com), click on **Product Category** (blue) at top (left or right) of any page, or go to Table of Contents and click on web site (blue) at bottom of page.

PRINTING: Click **Print Icon** in menu bar. In **sub-menu**, **1)** enter the number of copies desired (**copies**), **2)** enter page(s) you want to print (**from - to**). **3)** click **PRINT**.



The White Rubber Corporation

A History of Innovation, Growth and Leadership.

Sharing more than 150 years of combined service to the electric utilities industries, The White Rubber Corporation and Safety Line have established reputations as leaders in personal protective equipment and live line tools for electrical workers. Headquartered in Ravenna, Ohio, the company was founded in 1918, and in 1933 received the first U.S. patent for linemen's insulating gloves. In fact, most styles and types of gloves available today were originally designed by The White Rubber Corporation.

Since then the company has expanded its product line, increased production capabilities and established a global distributor network. Today, The White Rubber Corporation product line features a full selection of rubber insulating gloves, leather protectors, rubber protective sleeves and rubber insulating blankets, line hose and accessory items and inspection equipment including glove inflators, sleeve expanders, glove inner liners, carrying bags and climber guards.

In 1992 the company acquired Safety Line, Inc., a manufacturer of live line tools. Since then White/Safety Line has gained international recognition as a leading single-source supplier of personal protective equipment and live line tools for electrical workers.

Established in 1919, Safety Line was originally known as the Safety Live-Line Tool Company, specializing in the design and manufacture of hot sticks and live-line work methods, based on the founder's first-hand knowledge as a working lineman. Located in Spokane, Washington, Safety Line is the oldest manufacturer of live-line tools and continues to work closely with electric utilities developing equipment for specific live-line work methods and practices. Safety Line's product line features more than 4,000 products for use in overhead and underground applications, including fiberglass insulating handles, tool attachments, earthing equipment, underground tools, covers and protectors, pole accessories, boom attachments, cutters, hand tools, detectors, testers and meters.

In addition to its broad product line, White/Safety Line provides the most comprehensive programs available in the industry today, offering a total approach to the proper use of equipment, tools and safety equipment ... anywhere in the world.

Our Goal ...

Establish White/Safety Line as the leading single source supplier to the electric utilities industry throughout the world..

Our Promise ...

Always provide the highest quality personal protective equipment and live-line tools for electrical workers ... made from the highest quality materials available ... designed, manufactured, and rigorously tested to meet all applicable testing standards ... and to meet or exceed the most stringent product performance criteria.

Our Pledge ...

Continue to develop new and more efficient products, with an emphasis on research and development ... an ongoing dedication to unmatched product quality and performance ... and a commitment to excellence in customer service.

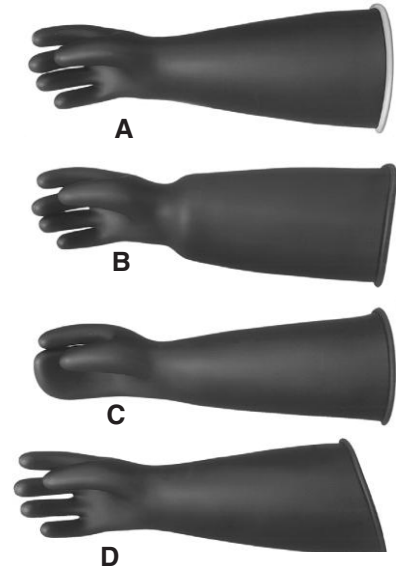
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INSULATING GLOVES

Made from the highest quality natural gum rubber available and manufactured with the best rubber-to-filler mixtures in the industry. Especially contoured to fit the human hand, all gloves are flexible, comfortable to wear and will not cramp or fatigue the muscles of the hand. Two-toned construction aids in detection of cuts, abrasions and other damage. Available in full range of styles, lengths, and sizes.

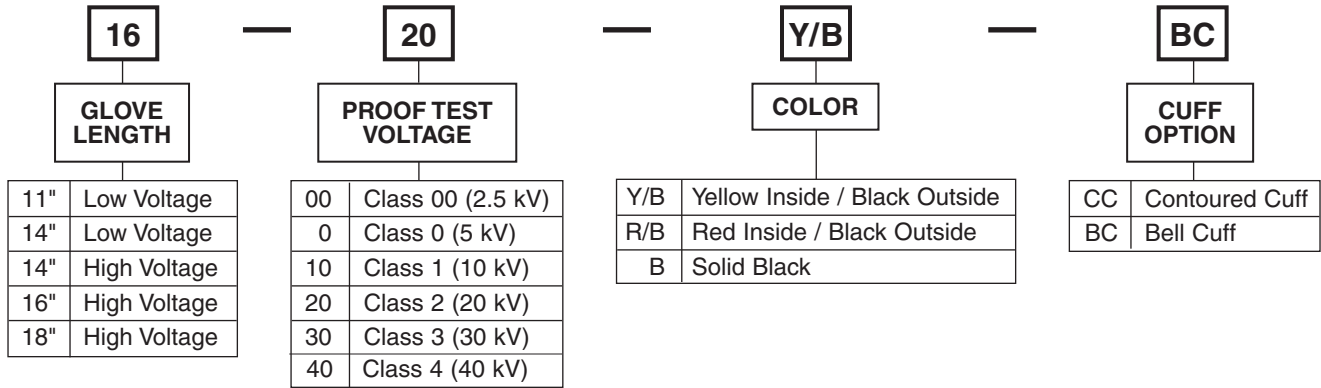
- A. STRAIGHT CUFF** -14, 16 and 18-inch lengths.
- B. BELL CUFF** -14, 16 and 18-inch lengths.
- C. ONE-FINGER MITTEN** 14, 16 and 18-inch lengths. Available in either Straight or Bell cuff style.
- D. CONTOURED CUFF**
18-inch length. Available in either Straight or Bell cuff style.



NOTE:

High voltage gloves available in solid black or two-color (year red/black).
Low voltage gloves furnished in yellow unless otherwise requested.

HOW TO ORDER: **Example:** If you want a 16" glove for a Class 2 (20 kV) application, yellow inside and black outside, and want the Bell Cuff option, the correct part number would be:



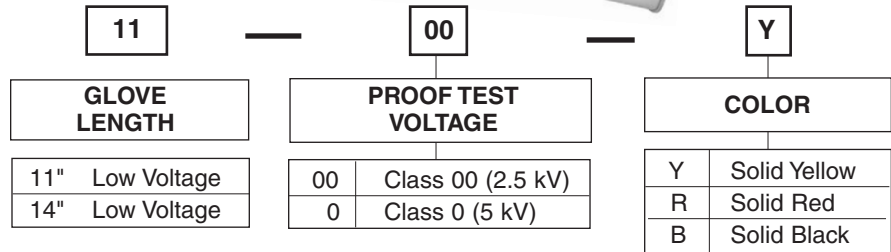
LOW VOLTAGE INSULATING GLOVES

E. NATURAL RUBBER - TYPE 11 and 14-inch lengths in solid yellow, red or black



HOW TO ORDER:

Example: If you want an 11" glove for a Class 00 (2.5 kV) application, in yellow, the correct part number would be:



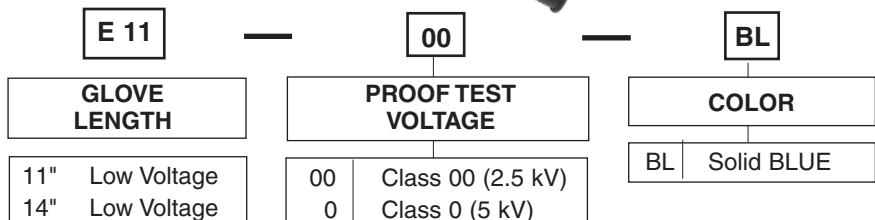
F. EPDM - TYPE II

11 and 14-inch lengths in solid blue.



HOW TO ORDER:

Example: If you want an 11" glove for a Class 00 (2.5 kV) application the correct part number would be:



INSULATING SLEEVES

Designed specifically to provide maximum coverage and protection for the arms and shoulders. Features highest quality natural gum rubber available. Made with the best rubber-to-filler mixtures in the industry. Available in straight and curved arm styles in regular, large and extra-large size with standard cuff circumference. Sleeves can be ordered in a variety of color combinations including solid black, red or yellow; and/or black outside with either red or yellow inside, or yellow outside with red inside.



CURVED ARM SOLID COLOR



CURVED ARM TWO-COLOR



STRAIGHT ARM TWO-COLOR

HOW TO ORDER

Example: If you want a curved arm sleeve in size Large, Class 2 (20 kV) application, red inside and black outside, the correct part number would be:

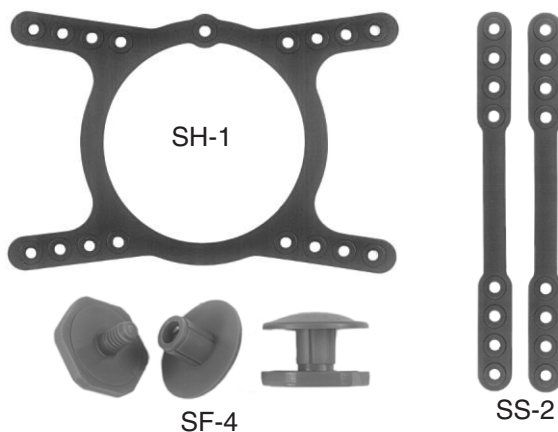
SL	CA	—	L	—	20	—	R/B	
STYLE			SIZE		PROOF TEST VOLTAGE		COLOR	
SS	Straight Arm		R	Regular 26" Long	5	Class 0 (5 kV)	B	Solid Black
CA	Curved Arm		L	Large 28" Long	10	Class 1 (10 kV)	R	Solid Red
			XL	Extra-Large 30" Long	20	Class 2 (20 kV)	Y	Solid Yellow
					30	Class 3 (30 kV)	Y/B	Yellow Inside/Black Outside
					40	Class 4 (40 kV)	R/B	Red Inside/Black Outside
							R/Y	Red Inside/Yellow Outside

SLEEVE ACCESSORIES

Protective sleeves are held in place by a one-piece reinforced sleeve harness, or molded sleeve straps. Both feature sturdy construction with reinforced holes to allow ample comfort adjustment and will not rip at stress points.

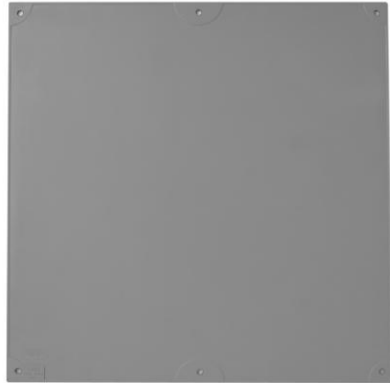
Fasteners are non-metallic screw-type and will not tear loose accidentally. Large hex heads allow adjustment even while wearing gloves. Flanged screw design will not tear sleeve or harness, or catch on clothing.

CAT. NO.	DESCRIPTION
SH-1	Reinforced Sleeve Harness
SS-2	Reinforced Sleeve Straps
SF-4	Positive Grip Screw-Type Fasteners

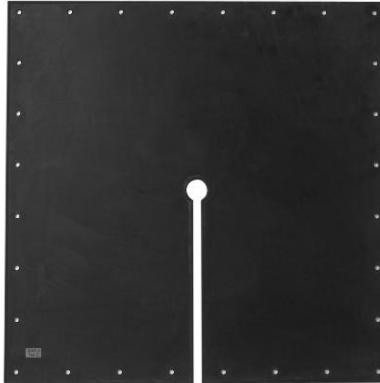


INSULATING BLANKETS - CLASS 2 & 4

Rubber insulating blankets offer excellent personal protection in the event of accidental contact with line hardware. Manufactured to high quality standards, fully tested and subjected to thorough inspections to assure material purity, consistency and flexibility. Available in black natural rubber (Type-I) for use where ozone concentrations are low, and in either orange or black synthetic EPDM rubber (Type II) for use on high voltage circuits. Three sizes: 22 x 22-inch, 27 x 36-inch and 36 x 36-inch in both slotted and solid designs.



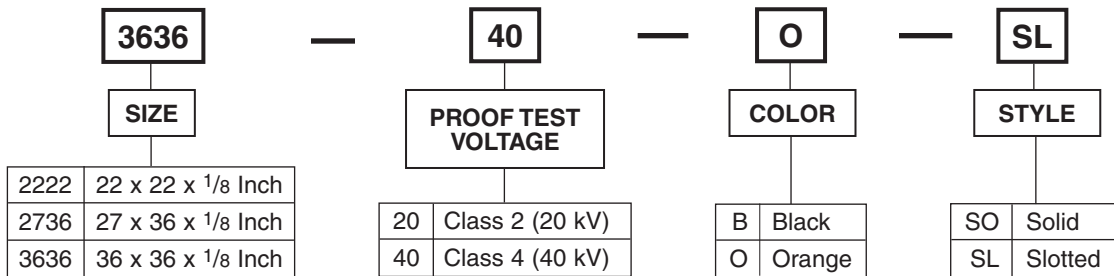
SOLID INSULATING BLANKET



SLOTTED INSULATING BLANKET

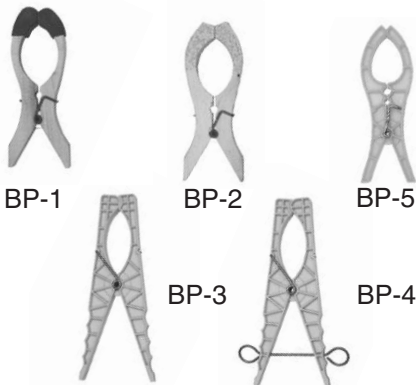
HOW TO ORDER

Example: If you want an insulating blanket 36" x 36", with a Class 4 rating, orange and slotted, the correct part number would be:



BLANKET CLAMPING PINS

PART NO.	DESCRIPTION
BP-1	8" Non-Coated Hardwood
BP-2	8" Coated Hardwood
BP-3	12" Plain, Nylon Reinforced
BP-4	12" Nylon Reinforced with Grip All
BP-5	8" Nylon Reinforced



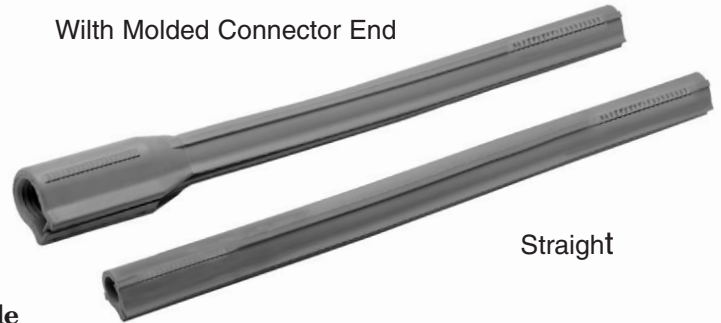
BLANKET CONTAINERS

PART NO.	DESCRIPTION
BC-3	Without Handle, holds 3 Blankets, Yellow Molded Plastic
BC-6	With Handle, holds 6 Blankets, Yellow Molded Plastic
BR-1	Blanket Roll



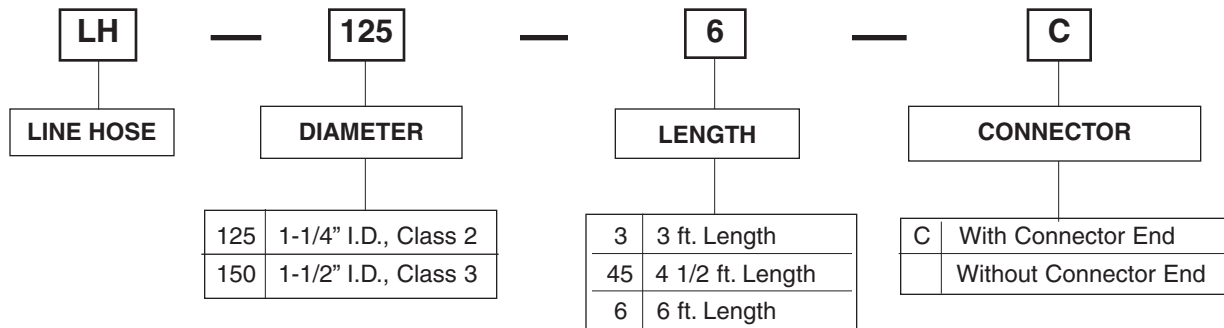
**INSULATING LINE HOSE
CLASS 2 & 3**

Designed to provide maximum protection while utilizing live line work methods. Offered in Class 2, (1-1/4" I.D.) proof tested 20kV, for maximum use voltage up to 17kV; and Class 3, (1-1/2" I.D.) proof tested 30kV, for maximum use voltage up to 26.5kV. Connector end compatible with other line hose systems. Available in EPDM (Type II) orange in 3 ft., 4-1/2 ft. and 6 ft. lengths in straight and molded connector end styles.



- Meets ASTM D1050 ● Lightweight ● Flexible
- Non-Absorbent ● Abrasion Resistant
- UV and Ozone Resistant

HOW TO ORDER Example: If you want a 1-1/4" I.D. 6-foot, line hose with molded connector end, the correct part number would be:



Part Number	Class	Proof Test	Max Use	Description
LH125-3	2	20kV	17kV	Line Hose Straight 1-1/4" I.D., 3 ft. length
LH125-3C	2	20kV	17kV	Line Hose w / Connector End 1-1/4" I.D., 3 ft. length
LH125-45	2	20kV	17kV	Line Hose Straight 1-1/4" I.D., 4-1/2 ft. length
LH125-45C	2	20kV	17kV	Line Hose w / Connector End 1-1/4" I.D., 4-1/2 ft. length
LH125-6	2	20kV	17kV	Line Hose Straight 1-1/4" I.D., 6 ft. length
LH125-6C	2	20kV	17kV	Line Hose w / Connector End 1-1/4" I.D., 6 ft. length
LH150-3	3	30kV	26.5kV	Line Hose Straight 1-1/2" I.D., 3 ft. length
LH150-3C	3	30kV	26.5kV	Line Hose w / Connector End 1-1/2" I.D., 3 ft. length
LH150-45	3	30kV	26.5kV	Line Hose Straight 1-1/2" I.D., 4-1/2 ft. length
LH150-45C	3	30kV	26.5kV	Line Hose w / Connector End 1-1/2" I.D., 4-1/2 ft. length
LH150-6	3	30kV	26.5kV	Line Hose Straight 1-1/2" I.D., 6 ft. length
LH150-6C	3	30kV	26.5kV	Line Hose w / Connector End 1-1/2" I.D., 6 ft. length

GLOVE INFLATORS & SLEEVE EXPANDERS

Proper safety requires frequent inspection of gloves and sleeves. These glove inflators and sleeve expanders provide an efficient way to conduct complete and thorough visual inspections before and after use in the field. Easy to install. Simple to operate. Accommodates all sleeve and glove sizes. Minimum floor space. Compressed air source required.

CAT. NO.	DESCRIPTION
INF-1	Standard Bench Model Inflator with Hand Pump
INF-2	Standard Bench Model Inflator with Air-Line Connection
INF-3	Standard Floor Model
INF-4	Bench Model Air-Bag Inflator for High Voltage Gloves
INF-5	Bench Model Air-Bag Inflator for High and Low Voltage Gloves
INF-6	Standard Sleeve Expander
INF-7	Replacement Glove Inflator Boots for Air Bag Glove Inflators
INF-8	Replacement Bladders for Sleeve Expander (with closed ends) - Set of three
INF-9	Single Replacement Bladders for Sleeve Expander (with closed ends) - Outside Bladder only
INF-10	Hand Held Glove Inflator



INF-1



INF-4, INF-5



INF-3



INF-2



INF-6

GLOVE LINERS

CAT. NO.	DESCRIPTION	LENGTH
C-10	Glove Liner	10" (25.4 cm)
C-14	Glove Liner	14" (35.6 cm)
CK-10	Glove Liner, Knit Cuff	10" (25.4 cm)
CK-14	Glove Liner, Knit Cuff	14" (35.6 cm)
CM-10	Mitten Liner	10" (25.4 cm)

Made of absorbent 100% cotton. Can be used in cold weather for warmth, and hot weather to absorb perspiration. One size fits all.



C-10 CK-10 CM-10

CARRYING BAGS

Made of sturdy cotton material with heavy snaps and stitching. Snaps on backsides allow easy storage. Built-in ventilation and drain grommets. Convenient storage and transport for gloves, sleeves and mittens. Sleeve roll is constructed of a strong nylon material that protects sleeve from damage.

CAT. NO.	DESCRIPTION	BAG SIZE
GB-12	Glove/Mitten Bag	12" (30.0 cm)
GB-15	Glove/Mitten Bag	15" (38.1 cm)
GB-17	Glove/Mitten Bag	17" (43.2 cm)
GB-19	Glove/Mitten Bag	19" (48.3 cm)
GB-20	Glove/Mitten Bag	20" (50.8 cm)
GB2-15	Two-Pocket Glove/Mitten Bag	15" (38.1 cm)
SB-1	Sleeve Bag	
SR-1	Sleeve Roll	



SB-1 GB-15 GB2-15 SR-1

CLIMBER GUARDS

CAT. NO.
CG - 1

Made from same quality rubber as insulating glove and sleeves. Can be used on regular or adjustable climbers. Furnished unslit.



CG-1

LIQUID CLEANER

FOR RUBBER PROTECTIVE EQUIPMENT

CAT. NO.	VOLUME
LC-1	1 Gallon Container

Ideal for cleaning rubber protective equipment. Concentrated, water-based detergent soap formulated with grease cutters. Removes oil, grease and dirt.



LC-1

LINEMAN'S LOTION™

An industrial class, greaseless and odorless lotion that helps restore hands that work in harsh environments.

Tested safe to use with White/Safety Line rubber insulating gloves.



LLD1

LL024

TALC

CAT. NO.	SIZE
TC-1	Gallon
TC-12	12 - 8 oz Bottles

Cooling powder absorbs moisture and perspiration. Minimizes friction and acts as lubricant to prevent sticking. Does not harm skin or reduce dielectric values of gloves and sleeves.



TC-1

TC-12

CAT. NO.	DESCRIPTION	QUANTITY
LL024	8-oz Pump Bottle	1 Case, 24 Bottles
LLD1	Starter Dispenser Kit	1 Wall Dispenser, 3 Refill Bags
LLR12	Wall Dispenser Refills	1 Case, 12 Refill Bags

FIBERGLASS HANDLES

Manufactured in accordance with the following specifications: ASTM F711, OSHA 1910.269(j), and OSHA 1926.951(d). All handles are made from pultruded, smooth, foam-filled fiberglass. Safety yellow is the primary fiberglass color. All fiberglass used is tested at 50kV / 6 inches (equivalent to 100kV / foot) and meets the dielectric leakage requirements as specified by ASTM F711. It is recommended that handles be wiped clean with a silicote cloth (Cat. No. 2000) before and after every use.

The most commonly used combinations are shown below. Other lengths are available. Bags are not included but are available: 6'6" length sticks require Cat. No. B1006; 8' length sticks, Cat. No. B1008; 10' length sticks, Cat. No. B1010.

NOTE: See FERRULES, FERRULE KITS and CAPS: Page 18.

HANDLES WITH FERRULES

CAT. NO. DIAMETER X OVERALL LENGTH WEIGHT

Toggle Handle & Threaded Ferrule



12578HE	1 1/4" x 6'6" (3.2 cm x 1.98 m)	4 lbs (1.81 kg)
12596HE	1 1/4" x 8' (3.2 cm x 2.44 m)	4 lbs (1.81 kg)

Toggle Handle & Universal Ferrule



12578UE	1 1/4" x 6'6" (3.2 cm x 1.98 m)	4 lbs (1.81 kg)
12596UE	1 1/4" x 8' (3.2 cm x 2.44 m)	4 lbs (1.81 kg)



Toggle Handle & Insulated Hex Ferrule

12578HEM	1 1/4" x 6'6" (3.2 cm x 1.98 m)	4 lbs (1.81 kg)
12596HEM	1 1/4" x 8' (3.2 cm x 2.44 m)	4 lbs (1.81 kg)



Cap & Threaded Ferrule

10078CH	1" x 6'6" (2.5 cm x 1.98 m)	2 lbs (0.91 kg)
10096CH	1" x 8' (2.5 cm x 2.44 m)	2 lbs (0.91 kg)
12578CH	1 1/4" x 6'6" (3.2 cm x 1.98 m)	2 lbs (0.91 kg)
12596CH	1 1/4" x 8' (3.2 cm x 2.44 m)	3 lbs (1.36 kg)
15078CH	1 1/2" x 6'6" (3.8 cm x 1.98 m)	5 lbs (2.27 kg)
15096CH	1 1/2" x 8' (3.8 cm x 2.44 m)	6 lbs (2.72 kg)

Two Threaded Ferrules



10078HH	1" x 6'6" (2.5 cm x 1.98 m)	2 lbs (0.91 kg)
10096HH	1" x 8' (2.5 cm x 2.44 m)	2 lbs (0.91 kg)
12578HH	1 1/4" x 6'6" (3.2 cm x 1.98 m)	3 lbs (1.36 kg)
12596HH	1 1/4" x 8' (3.2 cm x 2.44 m)	4 lbs (1.81 kg)
15078HH	1 1/2" x 6'6" (3.8 cm x 1.98 m)	3 lbs (1.36 kg)
15096HH	1 1/2" x 8' (3.8 cm x 2.44 m)	6 lbs (2.72 kg)
150120HH	1 1/2" x 10' (3.8 cm x 3.05 m)	6 lbs (2.72 kg)

Two Insulated Hex Ferrules



12578HHM	1 1/4" x 6'6" (3.2 cm x 1.98 m)	4 lbs (1.81 kg)
12596HHM	1 1/4" x 8' (3.2 cm x 2.44 m)	4 lbs (1.81 kg)

Two Universal Ferrules



10078UU	1" x 6'6" (2.5 cm x 1.98 m)	2 lbs (0.91 kg)
10096UU	1" x 8' (2.5 cm x 2.44 m)	2 lbs (0.91 kg)
12578UU	1 1/4" x 6'6" (3.2 cm x 1.98 m)	3 lbs (1.36 kg)
12596UU	1 1/4" x 8' (3.2 cm x 2.44 m)	4 lbs (1.81 kg)
15078UU	1 1/2" x 6'6" (3.8 cm x 1.98 m)	3 lbs (1.36 kg)
15096UU	1 1/2" x 8' (3.8 cm x 2.44 m)	6 lbs (2.72 kg)
150120UU*	1 1/2" x 10' (3.8 cm x 3.05 m)	6 lbs (2.72 kg)

Cap & Universal Ferrule



10078CU	1" x 6'6" (2.5 cm x 1.98 m)	2 lbs (0.91 kg)
10096CU	1" x 8' (2.5 cm x 2.44 m)	2 lbs (0.91 kg)
12578CU	1 1/4" x 6'6" (3.2 cm x 1.98 m)	2 lbs (0.91 kg)
12596CU	1 1/4" x 8' (3.2 cm x 2.44 m)	3 lbs (1.36 kg)
15078CU	1 1/2" x 6'6" (3.8 cm x 1.98 m)	5 lbs (2.27 kg)
15096CU	1 1/2" x 8' (3.8 cm x 2.44 m)	6 lbs (2.72 kg)

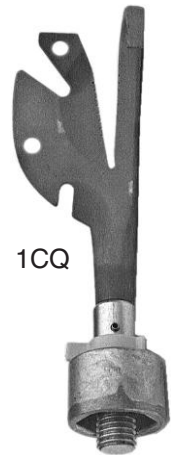
*Handles over 8 feet (2.44m) long must be shipped by truck freight.

MECHANICAL HAND STICK

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
1FGQ	Quick Change	6'6" (1.98 m)	4 lbs (1.81 kg)
1FGU	Universal	6'6" (1.98 m)	4 lbs (1.81 kg)
101FGQ	Quick Change	8' (2.43 m)	5 lbs (2.27 kg)
101FGU	Universal	8' (2.43 m)	5 lbs (2.27 kg)
HEADS			
1CQ	Head Only, Quick Change		1 lb (0.45 kg)
44556970	Head Only, Universal		1 lb (0.45 kg)
BAGS			
B1006	Protective Bag for 1FG-		2 lbs (0.91 kg)
B1008	Protective Bag for 101FG-		2 lbs (0.91 kg)

Other lengths available. Bag not included.

Fiber glass handle diameter: 1 1/4"(3.2 cm). The mechanical hand stick serves both as a hand and as pliers so that any serve-up or type of tie can be made or removed from the line. Very little effort is required to serve a wire taut and as perfectly as when hand and pliers are used. It is possible to roll the wire into place around the conductor, making a tight connection easily, instead of jerking and pulling.



WIRE CLAMP STICK

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
2FGQ	Quick Change	6'6" (1.98 m)	6 lbs (2.72 kg)
2FGU	Universal	6'6" (1.98 m)	6 lbs (2.72 kg)
201FGQ	Quick Change	8' (2.43 m)	9 lbs (4.08 kg)
201FGU	Universal	8' (2.43 m)	9 lbs (4.08 kg)
201CFGQ	Top Hook and Quick Change	8' (2.43 m)	9 lbs (4.08 kg)
HEADS			
2CQ	Head Only, Quick Change		3 lbs (1.36 kg)
2CU	Head Only, Universal		3 lbs (1.36 kg)
2CFGQ	Head Only, Top Hook, Quick Change		3 lbs (1.36 kg)
BAGS			
B1	Protective Bag for 2FG-		1 lb (0.45 kg)
B101	Protective Bag for 201FG-		2 lbs (0.91 kg)

Other lengths available. Bag not included.

The wire clamp stick has two fiberglass handles: the operating handle is 1" (2.5 cm) in diameter and the stationary handle is 1 1/4" (3.2 cm) in diameter. The wire clamp stick is used to hold tie wires in place, hold jumper wires while taps are being made or removed, and to hold wires when cutting and removing.



2FGQ



ALLIGATOR STICK

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
4FGQ	Quick Change	6'6" (1.98 m)	4 lbs (1.81 kg)
4FGU	Universal	6'6" (1.98 m)	4 lbs (1.81 kg)
408FGQ	Quick Change	8' (2.43 m)	7 lbs (3.18 kg)
408FGU	Universal	8' (2.43 m)	7 lbs (3.18 kg)
HEADS			
4DQ	Head Only, Quick Change		1 lb (0.45 kg)
4DU	Head Only, Universal		1 lb (0.45 kg)
BAGS			
B1	Protective Bag for 4FG		2 lbs (0.91 kg)
B101	Protective Bag for 408FG		2 lbs (0.91 kg)

Other lengths available. Bag not included.

Fiberglass handle diameter: 1 1/4" (3.2 cm). Use the alligator stick to install and remove single sheave or double blocks in the top of gin poles and to install circuit breakers, line hooks and strain breakers on live lines. With the alligator stick, you can remove arm slings on cross arms, and hook blocks in arm slings and come-alongs when changing dead ends.



4FGQ



PIGTAIL STICK

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
5FGQ	Quick Change	6'6" (1.98 m)	6 lbs (2.72 kg)
5FGU	Universal	6'6" (1.98 m)	6 lbs (2.72 kg)
501FGQ	Quick Change	8' (2.43 m)	7 lbs (3.18 kg)
501FGU	Universal	8' (2.43 m)	7 lbs (3.18 kg)

HEADS CAT. NO.	DESCRIPTION	OPENING SIZE	WEIGHT
5C2Q	Quick Change	7/8" (2.2 cm)	1 lb (0.45 kg)
5C2U	Universal	7/8" (2.2 cm)	1 lb (0.45 kg)
5C3Q	Quick Change	1 1/2" (3.8 cm)	1 lb (0.45 kg)
5C3U	Universal	1 1/2" (3.8 cm)	1 lb (0.45 kg)
5C4Q	Quick Change	2" (5.1 cm)	1 lb (0.45 kg)
5C4U	Universal	2" (5.1 cm)	1 lb (0.45 kg)

BAGS	DESCRIPTION	WEIGHT
B1006	Protective Bag for 5FG-	2 lbs (0.91 kg)
B1008	Protective Bag for 501FG-	2 lbs (0.91 kg)

Designed to lift and guide live lines, and maintains clearances while working on poles. The pigtail stick is used to change pin type insulators and ridge pin insulators when the conductor is light enough for one person to lift. Units come standard with 7/8" (2.2 cm) hook; also available with 1 1/2" (3.8 cm) and 2" (5.1 cm) hooks.

Other lengths available. Bag not included. Fiberglass handle diameter: 1 1/2" (3.8 cm).



5C2Q



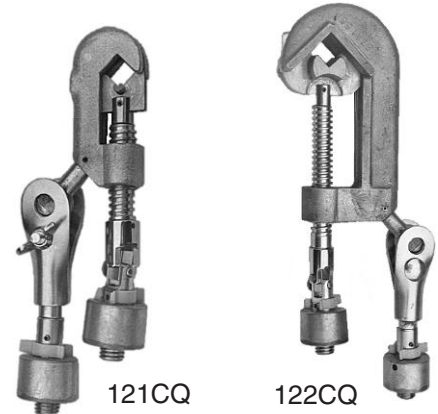
5FGQ

STRANDED WIRE HOLDING STICK

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
121FGQ	Quick Change	6'6" (1.98 m)	6 lbs (2.72 kg)
1211FGQ	Quick Change	8' (2.43 m)	6 lbs (2.72 kg)
1226FGQ	Quick Change	6'6" (1.98 m)	8 lbs (3.63 kg)
1228FGQ	Quick Change	8' (2.43 m)	8 lbs (3.63 kg)

HEADS	DESCRIPTION	WEIGHT
121CQ	Head Only, Quick Change	2 lbs (0.91 kg)
122CQ	Head Only, Quick Change	2 lbs (0.91 kg)

BAGS	DESCRIPTION	WEIGHT
B1006	Protective Bag for 121FGQ or 1226FGQ	1 lb (0.45 kg)
B1008	Protective Bag for 1211FGQ or 1228FGQ	2 lbs (0.91 kg)



121CQ

122CQ

Has two 1" (2.5 cm) diameter fiberglass handles, holds conductors or wires during operations. The 121 Series has 3/4" (1.9 cm) wide jaws that open to 9/16" (1.4 cm), and the 122 Series, has 2" (5.1 cm) wide jaws that open to 1 1/2" (3.8 cm). Other lengths available. Bag not included.



121FGQ

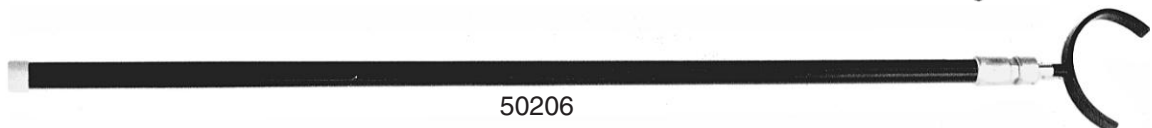
CABLE HANDLER

CAT. NO.	DESCRIPTION	LENGTH	WEIGHT
50206	Handle and head	6'6" (1.98 m)	3 lbs (1.36 kg)
50208	Handle and head	8' (2.44 m)	4 lbs (1.81 kg)
5020H	Head only		1 lb (0.45 kg)

Has a 1 1/4" (3.2 cm) fiberglass handle. Used to handle, lift, or move energized cables. Other lengths available.



5020H

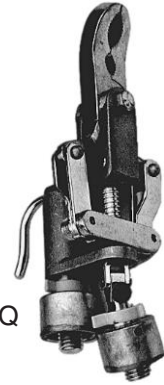


50206

COTTER KEY PLIER STICK

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
39FGQ	Quick Change	6'6" (1.98 m)	7 lbs (3.18 kg)
391FGQ	Quick Change	8' (2.43 m)	8 lbs (3.63 kg)
HEAD			
39CQ	Head Only, Quick Change		2 lbs (0.91 kg)
BAGS			
B1	Protective Bag for 39FGQ		1 lb (0.45 kg)
B101	Protective Bag for 391FGQ		1 lb (0.45 kg)

Grips, holds objects in place, or removes small pieces. Excellent for inserting cotter keys that are holding automatic sleeves, and for holding conductors during live line work. Fiberglass handle diameters are 1" (2.5 cm). Other lengths available. Bag not included.



39CQ



39FGQ

FIBERGLASS CLAMPSTICKS "SHOTGUNS"

CAT. NO.	CAT. NO.	CAT. NO.	CAT. NO.	OVERALL LENGTH*	WEIGHT	CAT. NO.	WEIGHT
THREADED FERRULE	PLAIN CAP	TOGGLE HANDLE	UNIVERSAL HANDLE			PROTECTIVE BAGS	
8104S	8104C	8104E	8104U	4'6" (1.37 m)	4 1/2 lbs (2.04 kg)	B8104	1 lb (0.45 kg)
8106S	8106C	8106E	8106U	6'6" (1.98 m)	5 lbs (2.27 kg)	B1	2 lbs (0.91 kg)
8108S	8108C	8108E	8108U	8'6" (2.59 m)	6 1/2 lbs (2.95 kg)	B101	2 lbs (0.91 kg)
8110S*	8110C*	8110E*	8110U	10'6" (3.20 m)	7 lbs (3.18 kg)	B1010	2 lbs (0.91 kg)

*Shotguns 10'6" (3.20 m) must be shipped by truck freight.

These are fixed length external rod fiberglass clampsticks which maintain maximum dielectric strength. A full open side hook provides an unobstructed view of the hook. The molded, insulated head provides a larger opening. The precision cast slide gives complete control and an extra firm grip. The hook release mechanism is easy to operate and the extended length spear provides an easy method of locating the eye of hot taps that are other-wise hard to locate. All fiberglass used is tested at 50kV / 6 inches (equivalent to 100kV / foot) and meets the dielectric leakage requirements as specified by ASTM F711. Other lengths available. Bag not included.

TOGGLE MAXIMUM TORQUE RATING: 60 FOOT POUNDS.



8104S



7974Q

SAFETY HOOK

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
790124Q	With 12" (30.5 cm) Hook	4' (1.22 m)	4 lbs (1.81 kg)
790126Q	With 12" (30.5 cm) Hook	6'6" (1.98 m)	5 lbs (2.27 kg)
790128Q	With 12" (30.5 cm) Hook	8' (2.44 m)	6 lbs (2.72 kg)
790186Q	With 18" (45.7 cm) Hook	6'6" (1.98 m)	6 lbs (2.72 kg)
790188Q	With 18" (45.7 cm) Hook	8' (2.44 m)	8lbs (3.63 kg)
7974Q	With 6" (15.2 cm) Hook	4' (1.22 m)	4 lbs (1.81 kg)
7975Q	With 6" (15.2 cm) Hook	5' (1.52 m)	5 lbs (2.27 kg)
7976Q	With 6" (15.2 cm) Hook	6'6" (1.98 m)	5 lbs (2.27 kg)
7978Q	With 6" (15.2 cm) Hook	8' (2.44 m)	6 lbs (2.72 kg)
79012HQ	12" (30.5 cm) Hook Only		2 lbs (0.91 kg)
79018HQ	18" (45.7 cm) Hook Only		3 lbs (1.36 kg)
7975HQ	6" (15.2 cm) Hook Only		2 lbs (0.91 kg)
1925MC125	Optional 1 1/4" (3.2 cm) Mounting Clip		3 oz (84 g)



7975HQ



79012HQ

For use in critical accident situations to remove personnel from energized conductors. This safety hook uses a quick change attachment, with a 1-1/4" (3.2 cm) fiberglass handle. All fiberglass used is tested at 50kV / 6 inches (equivalent to 100kV / foot) and meets the dielectric leakage requirements as specified by ASTM F711. The hook is covered with a PVC plastic coating. Other lengths available. Hand guard included.

ARMOR ROD TOOLS

ARMOR ROD APPLICATORS

CAT. NO.	DESCRIPTION	WEIGHT
124Q	Quick Change	2 lbs (0.91 kg)
124U	Universal	2 lbs (0.91 kg)
124HDQ	Heavy Duty with Quick Change	2 lbs (0.91 kg)
124HDU	Heavy Duty with Universal	2 lbs (0.91 kg)

BAGS

B124	Protective Bag	1 lb (0.45 kg)
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FORMED WIRE TOOLS

CAT. NO.	DESCRIPTION	WEIGHT
1241Q	Quick Change	2 lbs (0.91 kg)
1241U	Universal	2 lbs (0.91 kg)

ARMOR ROD PINS

STANDARD SET

CAT. NO.	DESCRIPTION	USED ON	WEIGHT
124FST	Pins Only	ACSR	12 lb (5.44 kg)

A standard set of armor rod pins consists of two each: #4, #2, 1/0, 2/0, 4/0. The standard set does **not** come with a bag or applicator.

INDIVIDUAL PINS

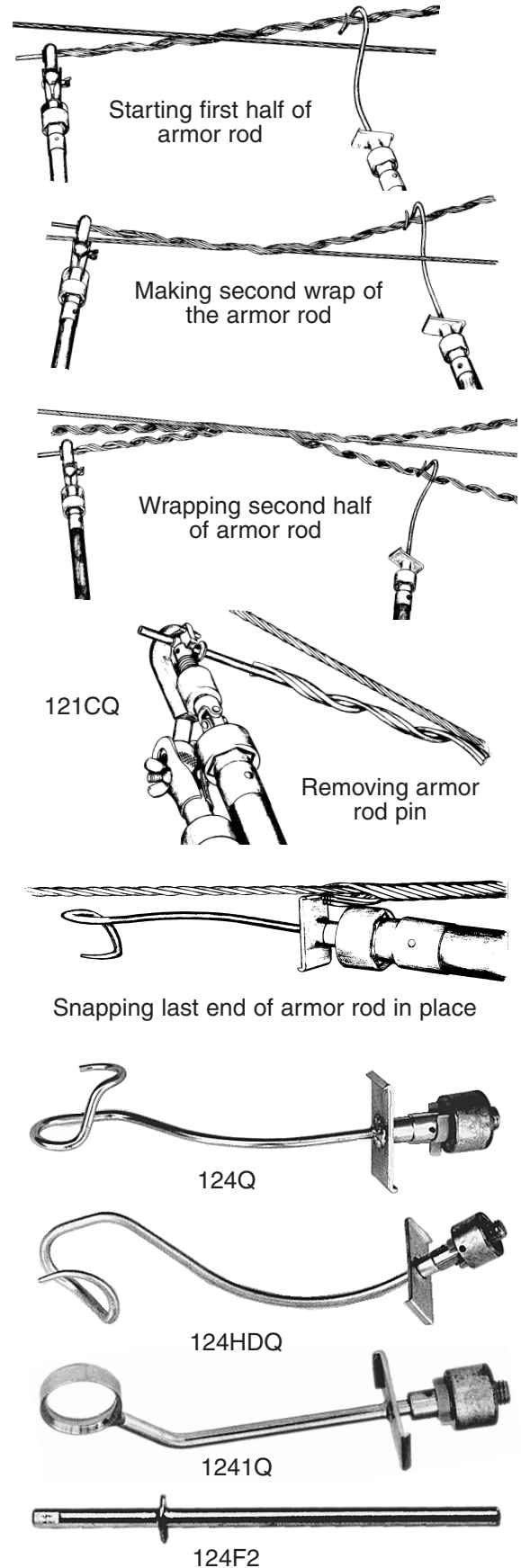
CAT. NO.	CONDUCTOR SIZE	USED ON	WEIGHT
124F6CS0	#6	Copper solid	1 oz (28 g)
124F4CS0	#4	Copper solid	1 oz (28 g)
124F4CST	#4	Copper stranded	1 oz (28 g)
124F4	#4	ACSR	2 oz (56 g)
124F2	#2	ACSR	2 oz (56 g)
124F1	#1	ACSR	3 oz (84 g)
124F1/0	1/0	ACSR	5 oz (140 g)
124F2/0	2/0-3/0	ACSR	6 oz (168 g)
124F3/0	3/0	ACSR	5 oz (140 g)
124F6	#6	ACSR	2 oz (56 g)
124F4/0	4/0	ACSR	7 oz (196 g)
124FA266	266 kcmil	ACSR	8 oz (224 g)
124FA336	336 kcmil	ACSR	9 oz (252 g)
124FA397	397 kcmil	ACSR	9 oz (252 g)
124FA477	477/500 kcmil	ACSR	12 oz (336 g)
124FA715	715 kcmil	ACSR	12 oz (336 g)
124FA556	556 kcmil	ACSR	12 oz (336 g)

Made for all size conductors. (Please specify conductor size when ordering.) One pin is used with each half set of rods. A stranded wire holding stick is used to hold the rods tight around the pin while installing.

BAG

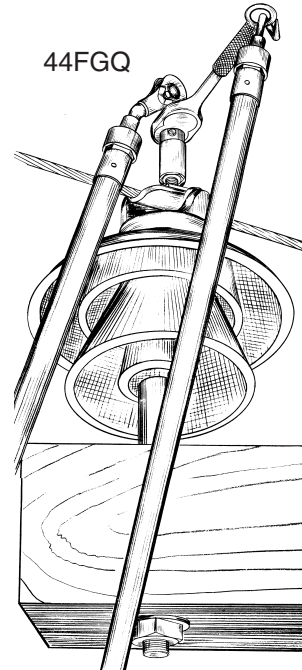
CAT. NO.	DESCRIPTION	WEIGHT
B124	Protective Bag	2 lbs (0.91 kg)

Holds applicator and five pairs of armor rod pins.



CLAMP TOP INSULATOR TOOL

CAT. NO.	DESCRIPTION	HANDLE LENGTH OR SOCKET SIZE	WEIGHT
COMPLETE UNITS			
44FGQ	Quick Change	6'6" (1.98 m)	6 lbs (2.72 kg)
441FGQ	Quick Change	8' (2.43 m)	7 lbs (3.18 kg)
PARTS & ACCESSORIES			
44C	Ratchet Wrench		2 lbs (0.91 kg)
44GQ	Bent Ball Clamp, Quick Change		1 lb (0.45 kg)
4400	Head Only, Quick Change		4 lbs (1.81 kg)
44S3/4	Socket, Friction Ball	3/4" (1.9 cm)	1 lb (0.45 kg)
44S13/16	Socket, Friction Ball	3/16" (0.5 cm)	1 lb (0.45 kg)
44HQ	Pigtail Hook with Quick Change		1 lb (0.45 kg)
BAGS			
B44	Protective Bag for 44FGQ		1 lb (0.45 kg)
B441	Protective Bag for 441FGQ		1 lb (0.45 kg)



Used for installing and removing the conductor from the clamp top insulators. The sockets are equipped with a spring and ball that create a slight pressure on the head of the bolts or nuts, insuring that they will not fall out of the socket when turned upside down. The clamp top tool can be used at any angle. The tool's two fiberglass handles are each 1" (2.5 cm) in diameter. Other lengths available. Bag not included.



SOCKET WRENCH

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
594FG	With Ratchet Wrench	4' (1.22 m)	4 lbs (1.81 kg)
595FG	With Ratchet Wrench	5' (1.52 m)	5 lbs (2.27 kg)
596FG	With Ratchet Wrench	6' (1.83 m)	6 lbs (2.72 kg)
598FG	With Ratchet Wrench	8' (2.44 m)	7 lbs (3.18 kg)
BAGS			
B594	Protective Bag for 594FG		1 lb (0.45 kg)
B595	Protective Bag for 595FG		1 lb (0.45 kg)
B596	Protective Bag for 596FG		1 lb (0.45 kg)
B598	Protective Bag for 598FG		1 lb (0.45 kg)



The socket wrench is used for working on bolt type deadends and pole hardware. The tool has a 1/2" (1.3 cm) square drive which will accommodate all 1/2" (1.3 cm) drive sockets, a 1 1/4" (3.2 cm) fiberglass handle and ratchet wrench handle. Other lengths available. Bag not included.

MAXIMUM TORQUE RATING: 60 FOOT POUNDS.

PARTS & ACCESSORIES

CAT. NO.	DESCRIPTION	WEIGHT
5900STP	Universal Joint and Spring with 1/2" (1.3 cm) Drive	1 lb (0.45 kg)
44C	10" Ratchet with Ball	1.5 lb (67 kg)

The universal joint and spring is an extra attachment, installed with a cotter pin, designed for hard-to-reach places and/or working at angles.

FUSE PULLER TOOL

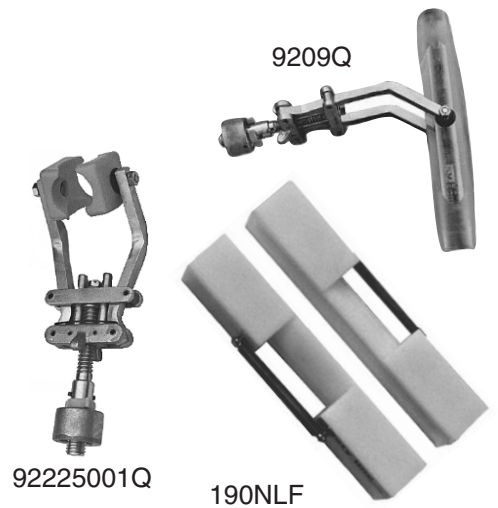
CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
196FGQ	Quick Change	6'6" (1.98 m)	5 lbs (2.27 kg)
196FGU	Universal	6'6" (1.98 m)	5 lbs (2.27 kg)
198FGQ	Quick Change	8' (2.43 m)	6 lbs (2.72 kg)
198FGU	Universal	8' (2.43 m)	6 lbs (2.72 kg)
PARTS			
92Q	Head Only, Quick Change		2 lbs (0.91 kg)
445578	Head Only, Universal		2 lbs (0.91 kg)
190Q	Switch Hook, Quick Change		1 lb (0.45 kg)
190NLF	Insert Jaws for 13/16" (2.1 cm) diameter S & C Liquid Fuse		1 lb (0.45 kg)
BAGS			
B1	Protective Bag for 196FG-		2 lbs (0.91 kg)
B101	Protective Bag for 198FG-		2 lbs (0.91 kg)

Fiberglass handle diameter: 1-1/4" (3.2cm). The standard fuse puller heads (Cat. No. 92Q) have plastic jaws that fit fuses from 3/4" (1.9 cm) to 2" (5.1 cm) diameter. Heads are pivotally mounted to permit adjustment to any angle. To tighten the jaws, just rotate the handle. The insert jaws (Cat. No. 190NLF) for the 13/16" (2.1 cm) diameter liquid filled fuse are held on the fuse puller with springs. The attachment on the end of each fuse puller is Cat. No. 190Q, quick change switch hook. Other lengths available. Bag not included.



FUSE PULLER HEADS

CAT. NO.	DESCRIPTION	MAXIMUM DIAMETER	WEIGHT
9209Q	Liquid Fuse, Quick Change	13/16" (2.1 cm)	3 lbs (1.36 kg)
9209U	Liquid Fuse, Universal, Head Only	13/16" (2.1 cm)	3 lbs (1.36 kg)
9209GA	Liquid Fuse, Grip All	13/16" (2.1 cm)	3 lbs (1.36 kg)
92225001Q	Quick Change	2 1/4" (5.7 cm)	3 lbs (1.36 kg)
92225001U	Universal	2 1/4" (5.7 cm)	3 lbs (1.36 kg)
92225001GA	Grip All	2 1/4" (5.7 cm)	3 lbs (1.36 kg)
92DFQ	Double Fuse, Quick Change	3" (7.2 cm)	3 lbs (1.36 kg)
92DFU	Double Fuse, Universal	3" (7.2 cm)	3 lbs (1.36 kg)
92DFGA	Double Fuse, Grip All	3" (7.2 cm)	3 lbs (1.36 kg)

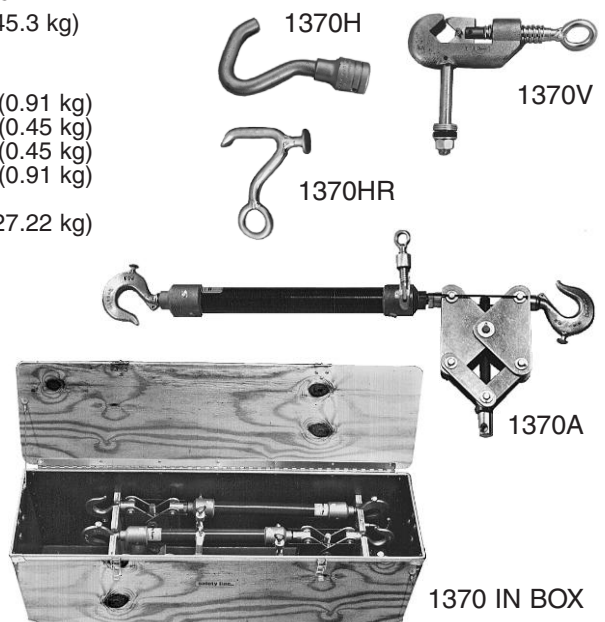


SECTIONALIZER

CAT. NO.	DESCRIPTION	WEIGHT
1370	Set includes: 3 of 1370A, 1 of 1370H, 1 of 1370FB	100 lbs (45.3 kg)
PARTS		
1370A	One Sectionalizer Only, 25 kV, 36" (0.91 m)	12 lbs (0.91 kg)
1370H	Hook with 1/2" Drive	1 lb (0.45 kg)
1370HR	Hold Down Hook with Ring	1 lb (0.45 kg)
1370V	Wire Holder, 9/16" (1.43 cm) max. size wire	2 lbs (0.91 kg)
1370FB	Storage Box with Inserts 44" x 12" x 16" (112 x 31 x 41 cm)	60 lbs (27.22 kg)

Temporarily disconnects and isolates a section of line without interrupting service to the balance of the circuit. The entire operation of installation and removal of the sectionalizers can be performed with live line tools. Particularly useful when circuits are interrupted as a result of conductor, insulation or pole failures. Service can be restored by cutting in sectionalizers to isolate the section of line that is in trouble.

Consists of 1 3/4" foam-filled fiberglass connected to a manually operated take-up device. The strain of the line is taken by means of the take-up device using the hook (Cat. No.1370H), which fastens on the end of the socket wrench (Cat. No. 596FG or equal). The conductor is then cut and cleared.



INSULATING LINK STICKS

CAT. NO.	OVERALL LENGTH		LENGTH BETWEEN FERRULES		FIBERGLASS DIAMETER		WLL		WEIGHT		CAT. NO.	WEIGHT	
	IN	CM	IN	CM	IN	CM	LBS	KG	LBS	KG		LB	KG
50006EH	16"	40.6	6"	15.2	1"	2.5	2,500	1,134	2	0.91	B516	Bag	1 0.45
50012EH	22"	55.9	12"	30.5	1"	2.5	2,500	1,134	3	1.36	B522	Bag	1 0.45
50006EP	16"	40.6	6"	15.2	1"	2.5	2,500	1,134	2	0.91	B516	Bag	1 0.45
50012EP	22"	55.9	12"	30.5	1"	2.5	2,500	1,134	3	1.36	B522	Bag	1 0.45
5012EH	22"	55.9	12"	30.5	1 1/4"	3.2	2,500	1,134	2	0.91	B522	Bag	1 0.45
5018EH	28"	71.1	18"	45.7	1 1/4"	3.2	2,500	1,134	2	0.91	B528	Bag	1 0.45
5024EH	34"	86.4	24"	61.0	1 1/4"	3.2	2,500	1,134	3	1.36	B534	Bag	1 0.45
5012	22"	55.9	12"	30.5	1 1/4"	3.2	2,500	1,134	2	0.91	B522	Bag	1 0.45
5018	28"	71.1	18"	45.7	1 1/4"	3.2	2,500	1,134	2	0.91	B528	Bag	1 0.45
5024	34"	86.4	24"	61.0	1 1/4"	3.2	2,500	1,134	3	1.36	B534	Bag	1 0.45
5012R	22"	55.9	12"	30.5	1 1/4"	3.2	2,500	1,134	2	0.91	B522	Bag	1 0.45
5018R	28"	71.1	18"	45.7	1 1/4"	3.2	2,500	1,134	2	0.91	B528	Bag	1 0.45
5024R	34"	86.4	24"	61.0	1 1/4"	3.2	2,500	1,134	3	1.36	B534	Bag	1 0.45
5112	24"	61.0	12"	30.5	1 1/2"	3.8	2,500	1,134	2	0.91	B522	Bag	1 0.45
5118	30"	76.2	18"	45.7	1 1/2"	3.8	2,500	1,134	2	0.91	B528	Bag	1 0.45
5124	36"	91.4	24"	61.0	1 1/2"	3.8	2,500	1,134	3	1.36	B534	Bag	1 0.45
2512	28"	71.1	12"	30.5	1"	2.5	10,000	4,536	2	0.91	B522	Bag	1 0.45
2518	34"	86.4	18"	45.7	1"	2.5	10,000	4,536	2	0.91	B528	Bag	1 0.45
2524	40"	101.6	24"	61.0	1"	2.5	10,000	4,536	3	1.36	B534	Bag	1 0.45



Designed to isolate rope, hoists, and blocks being used between energized conductors and a pulling device. Also provide dielectric properties if strap hoist becomes contaminated through field use. Cat. Nos. 2512, 2518, and 2524 are made with solid fiberglass. All insulating link sticks are proof tested and marked with WLL prior to shipment. Other lengths and configurations available. All bags hold 3 link sticks. Bags not included.

FIBERGLASS TESTED AT 50 kV / 6 INCHES AND FOR DIELECTRIC LEAKAGE PER ASTM F711.

TELESCOPING FIBERGLASS STICKS

1406 series telescoping sticks are made of 1" foam filled fiberglass inside 1-1/4" hollow fiberglass tube. Push button spring assemblies allow the telescoping stick to lock into position at intervals of 12 inches (30.5 cm). 1406 series telescoping sticks are equipped with a hex ferrule at both ends which will accept Quick Change tools and hooks.

1407 series telescoping sticks are made of 1-1/4" foam filled fiberglass inside 1-1/2" hollow fiberglass tube. Push button spring assemblies allow the telescoping stick to lock into position at intervals of 12 inches (30.5 cm). 1407 series telescoping sticks have a plastic cap at the base and may be ordered with tool end fittings that accept either Quick Change or Universal tools and hooks.

All fiberglass used in telescoping switch sticks is tested per ASTM F711.

CAT. NO.	DESCRIPTION	COLLAPSED LENGTH		MAX. LOCKED LENGTH		WEIGHT	
		ft/inch	m	ft/inch	m	lb	kg
1406T10HH	1-1/4" Telescoping Stick w/ Hex Ferrules	6'	1.83	10'	3.05	4.2	1.91
1406T12HH	1-1/4" Telescoping Stick w/ Hex Ferrules	7'	2.13	12'	4.16	5.5	2.50
1407T12S	1-1/2" Telescoping Stick w/ Cap and QC	7' 5"	2.26	12' 10"	3.91	6	2.72
1407T12SU	1-1/2" Telescoping Stick w/ Cap and U	7' 5"	2.26	12' 10"	3.91	6	2.72

SWITCH HOOKS FOR TELESCOPING STICKS

CAT. NO.	DESCRIPTION
2200H1Q	Special for SMD Fuse, Quick Change Adapter
2200H1U	Special for SMD Fuse, Universal Adapter
2200H2Q	Standard, Quick Change Adapter
2200H2U	Standard, Universal Adapter
2200H3Q	Stud Type, Quick Change Adapter
2200H3U	Stud Type, Universal Adapter
2200H4Q	Insulated, Quick Change Adapter
2200H4U	Insulated, Universal Adapter

WEIGHT

lb	kg
1 lb	(0.45 kg)
1 lb	(0.45 kg)
1 lb	(0.45 kg)
1 lb	(0.45 kg)
1 lb	(0.45 kg)
1 lb	(0.45 kg)
1 lb	(0.45 kg)
1 lb	(0.45 kg)



INSULATING SWITCH STICKS

Insulating switch sticks are made of 1 1/4" (3.2 cm) diameter fiberglass with a cap on one end, and a quick change switch hook (Cat. No. 190Q) or a Universal switch hook (Cat. No. 190U) on the other end.

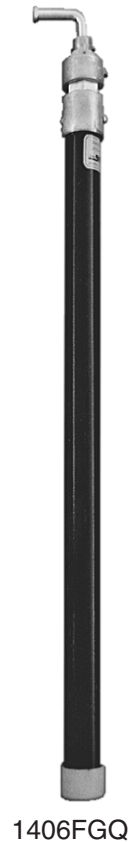
CAT. NO.	DESCRIPTION	TOTAL LENGTH		WEIGHT	
		ft/inch	m	lb	kg
1406FGQ	1-1/4" x 6' Insulating Stick w/ QC Switch Hook	6' 5"	1.95	3.4	1.54
1406FGU	1-1/4" x 6' Insulating Stick w/ U Switch Hook	6' 5"	1.95	2.8	1.27
1408FGQ	1-1/4" x 8' Insulating Stick w/ QC Switch Hook	8' 5"	2.56	4.2	1.91
1408FGU	1-1/4" x 8' Insulating Stick w/ U Switch Hook	8' 5"	2.56	3.6	1.63
1410FGQ*	1-1/4" x 10' Insulating Stick w/ QC Switch Hook	10' 5"	3.17	5.0	2.27
1410FGU*	1-1/4" x 10' Insulating Stick w/ U Switch Hook	10' 5"	3.17	4.5	2.04
1412FGQ*	1-1/4" x 12' Insulating Stick w/ QC Switch Hook	12' 5"	3.78	5.8	2.63
1412FGU*	1-1/4" x 12' Insulating Stick w/ U Switch Hook	12' 5"	3.78	5.3	2.33

CAT. NO.	DESCRIPTION	COLLAPSED LENGTH		MAX. LOCKED LENGTH		WEIGHT	
		ft/in	m	ft/in	m	lb	kg
14012SFG	12' Spliced Stick w/ Permanent Switch Hook	6'	1.83	12'	3.66	5.5	2.5
14012SFGQ	12' Spliced Stick w/ QC Switch Hook	6'	1.83	12'	3.66	6.0	2.7
14016SFG	16' Spliced Stick w/ Permanent Switch Hook	8'	2.44	16'	4.88	7.5	3.4
14016SFGQ	16' Spliced Stick w/ QC Switch Hook	8'	2.44	16'	4.88	8.0	3.6
14018SFG*	18' Spliced Stick w/ Permanent Switch Hook	9'	2.74	18'	5.48	8.0	3.6
14018SFGQ*	18' Spliced Stick w/ QC Switch Hook	9'	2.74	18'	5.48	8.5	3.9
14020SFG*	20' Spliced Stick w/ Permanent Switch Hook	10'	3.05	20'	6.10	9.0	4.1
14020SFGQ*	20' Spliced Stick w/ QC Switch Hook	10'	3.05	20'	6.10	9.5	4.3
14024SFG*	24' Spliced Stick w/ Permanent Switch Hook	12'	3.66	24'	7.32	10.5	4.8
14024SFGQ*	24' Spliced Stick w/ QC Switch Hook	12'	3.66	24'	7.32	11.0	5.0

* Insulating switch sticks or spliced sticks with collapsed lengths over 8' (2.44 m) must be shipped by truck freight.



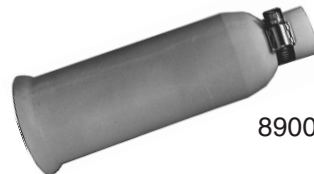
Splice on 14016SFGQ



1406FGQ

PARTS AND ACCESSORIES

The **8900** rain guard is a yellow molded EPDM shield held in place with a hose clamp. Rain guards fit over 1-1/4" to 1-1/2" (3.2 cm to 3.8 cm) diameter handles and provide a dry handle area if the sticks are used in the rain.



8900



1407T12S

8900

The **A30002** and **A30003** hand guards are non-conductive Delrin and are a split sleeve design for ease of attachment.

The **B1008** protective bag is made of yellow vinyl, 6" (15.2 cm) wide by 8'4" (2.54 m) long. The bag is single compartment, and has a 12" cover flap with tie straps on the open end.

CAT. NO.	DESCRIPTION	WEIGHT	
		lb	kg
8900	Rain Guard with Hose Clamp	0.2	0.1
A30002	Hand Guard for 1-1/4" FG Handle (fits 1406T10HPH and 1406T12HPH)	0.2	0.1
A30003	Hand Guard for 1-1/2" FG Handle (fits 1407T12S and 1407T12SU)	0.2	0.1
B1008	Bag for 8' Stick (2.44 m), 6" W x 8'4" L	1.0	0.5

* Insulating switch sticks or splices with collapsed lengths over 8 feet (2.44m) must be shipped by truck freight.

FERRULES

Universal and 5/8"-11 threaded hex ferrules are available for 1" (2.5 cm), 1 1/4" (3.2 cm), and 1 1/2" (3.8 cm) diameter fiberglass handles. Ferrules include a disc and rivet

HEXAGONAL FERRULES

CAT. NO.	DESCRIPTION	SIZE	WEIGHT
44DFG	5/8"-11 - Zinc	1" (2.5 cm)	4 oz (124 g)
4EFG	5/8"-11 - Zinc	1 1/4" (3.2 cm)	5 oz (156 g)
4EFGM	Insulated Hex Ferrule with Brass Threaded Insert 5/8"-11	1 1/4" (3.2 cm)	5 oz (156 g)
5EFG	5/8"-11 - Zinc	1 1/2" (3.8 cm)	12 oz (373 g)



UNIVERSAL FERRULES

CAT. NO.	DESCRIPTION	SIZE	WEIGHT
44UFG	Aluminum with Thumb Screw	1" (2.5 cm)	4 oz (124 g)
3400	Aluminum with Thumb Screw	1 1/4" (3.2 cm)	5 oz (156 g)
5EFGU	Zinc/Bronze with Thumb Screw	1 1/2" (3.8 cm)	1 lb (450 g)



RIVETS

CAT. NO.	DESCRIPTION	SIZE	WEIGHT
RH1881375	For 1" Ferrules	3/16" x 1 3/8" (5 x 34 mm)	1 oz (31 g)
RH1881625	For 1 1/4" Ferrules	3/16" x 1 5/8" (5 x 41 mm)	1 oz (31 g)
RH1882000	For 1 1/2" Ferrules	3/16" x 2" (5 x 51 mm)	2 oz (62 g)



FERRULE KITS

FOR FIBERGLASS HANDLES

UNIVERSAL FERRULE KITS

CAT. NO.	HANDLE DIAMETER	WEIGHT
44UK001	1" (2.5 cm)	4 oz (124 g)
4UK001	1 1/4" (3.2 cm)	4 oz (124 g)
5UK001	1 1/2" (3.8 cm)	4 oz (124 g)



HEXAGONAL FERRULE KITS

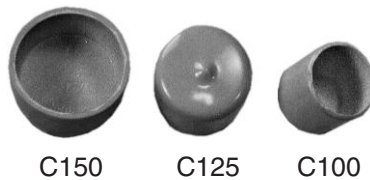
CAT. NO.	HANDLE DIAMETER	WEIGHT
44EK001	1" (2.5 cm)	4 oz (124 g)
4EK001	1 1/4" (3.2 cm)	4 oz (124 g)
5EK001	1 1/2" (3.8 cm)	4 oz (124 g)

Kits include all material required to replace insulated stick ferrules. Please specify size. Each kit includes: one ferrule, one rivet, one disc for handle, sandpaper, a two-part adhesive and instructions.

CAPS

Order by size.

CAT. NO.	DESCRIPTION
C100	1" (2.5 cm) Cap
C125	1 1/4" (3.2 cm) Cap
C150	1 1/2" (3.8 cm) Cap



HANDLE CLEANER

CAT. NO.	DESCRIPTION	WEIGHT
2001	Towelette	1 oz (31 g)
2002	1-Gal Bottle	9 lbs (4 kg)
2003	16 fl oz Spray Bottle	19 oz (.53 kg)

SILICOTE CLOTH

CAT. NO.
2000



Use to wipe dust and dirt from fiberglass insulating handles. Cloth is specially treated with Silicone which leaves a thin coating on the insulating handles.

Grease, insulation marks, and other foreign matter should be cleaned from handles with fiberglass handle cleaner before using the silicote cloth. Regular use of the silicote cloth will add to the life and safety of insulating handles. Packaged with directions in resealable, plastic bag.

Formulated to clean and condition fiberglass handles. Removes moisture and other contaminants such as dirt, tar, and grease without harming finish and leaves a thin water-repellent coating.

2003

INSULATING STICK CONTAINERS

Provides protection for insulating sticks. One end is sealed; the other end has easy-to-open aluminum lid with an "O" ring seal. Container is made of aluminum castings and SCHD 40 PVC tubing. It comes with universal mounting brackets for easy mounting on trucks, walls, or fences.



CAT. NO.	I.D.	LENGTH	WEIGHT	CAT. NO.	I.D.	LENGTH	WEIGHT
C4007	4 in (10.2 cm)	7 ft (2.13 m)	19 lbs (8.62 kg)	C6007	6 in (15.2 cm)	7 ft (2.13 m)	22 lbs (9.98 kg)
C4009	4 in (10.2 cm)	9 ft (2.75 m)	22 lbs (9.98 kg)	C6009	6 in (15.2 cm)	9 ft (2.74 m)	24 lbs (10.88 kg)
C4011*	4 in (10.2 cm)	11 ft (3.35 m)	26 lbs (11.79 kg)	C6011*	6 in (15.2 cm)	11 ft (3.35 m)	29 lbs (13.15 kg)
C4013*	4 in (10.2 cm)	13 ft (3.96 m)	29 lbs (13.15 kg)	C6013*	6 in (15.2 cm)	13 ft (3.96 m)	33 lbs (14.97 kg)
C4017*	4 in (10.2 cm)	17 ft (5.18 m)	36 lbs (16.33 kg)	C6017*	6 in (15.2 cm)	17 ft (5.18 m)	41 lbs (18.60 kg)
C4020*	4 in (10.2 cm)	20 ft (6.08 m)	40 lbs (18.15 kg)	C6020*	6 in (15.2 cm)	20 ft (6.08 m)	45 lbs (20.41 kg)

*Insulating Stick containers over 8 feet (2.44m) must be shipped by truck freight.

CONTAINER KITS

You can make your own container with the insulating stick container kit. You provide the PVC tubing. Each kit includes the following:

- 1 Container Cap
- 1 Mounting Brackets (Aluminum)
- 1 Container Lid Assembly (Aluminum)
- 1 Adhesive Kit
- 1 Set of Assembly Instructions

CAT. NO.	DESCRIPTION	INSIDE DIA.	WEIGHT
C4000	Kit without Lock	4 in (10.2 cm)	6 lbs (2.72 kg)
C4000L	Kit with Lock	4 in (10.2 cm)	9 lbs (4.08 kg)
C6000	Kit without Lock	6 in (15.2 cm)	8 lbs (3.63 kg)

PROTECTIVE BAGS

Protective bags are made of yellow vinyl with a cover flap and ties. **B10** series bags are single compartment to fit one stick. **B20** series bags have two compartments and hold one stick in each compartment for a total of two sticks.

CAT. NO.	DESCRIPTION	WEIGHT	
		lb	kg
B1006	Bag for 6' or 6'6" Stick (1.83 m to 1.98 m), 6" W x 6'10" L	0.8	0.4
B1008	Bag for 8' Stick (2.44 m), 6" W x 8'4" L	1.0	0.5
B1010	Bag for 10' Stick (3.05 m), 6" W x 10'4" L	1.3	0.6
B1012	Bag for 12' Stick (3.66 m), 6" W x 12'4" L	1.5	0.7
B1014	Bag for 14' Stick (4.27 m), 6" W x 14'4" L	2.0	0.9
B1016	Bag for 16' Stick (4.88 m), 6" W x 16'4" L	2.3	1.0
B2006	Bag for two each 6' or 6'6" Sticks (1.83 m to 1.98 m), 12" W x 6'10" L	1.5	0.7
B2009	Bag for two each 8' or 9' Sticks (2.44 m to 2.74 m), 12" W x 9'4" L	2.0	0.9
B2010	Bag for two each 10' Sticks (3.05 m), 12" W x 10'4" L	2.2	1.0
B2012	Bag for two each 12' Sticks (3.66 m), 12" W x 12'4" L	2.6	1.2

LIVE LINE LEVER CUTTERS

Compound shear cutter made from a heat-treated alloy steel. The stationary handle is 1 1/2" (3.8 cm) in diameter and the operating handle is 1" (2.5 cm) in diameter. For cutting tie wires, jumper taps and conductors up to 2/0. Larger wires should be cut with ACSR lever cutters.

Bags not included.

Not for use on ACSR.

CAT NO.	STATIONARY HANDLE	WEIGHT
3004FG	4' (1.22 m)	11 lbs (4.99 kg)
3006FG	6' (1.83 m)	11 lbs (4.99 kg)
3008FG	8' (2.44 m)*	11 lbs (4.99 kg)

BAGS		WEIGHT
CAT. NO.	DESCRIPTION	WEIGHT
B1324	Protective Bag for 3004FG	1 lb (0.45 kg)
B1326	Protective Bag for 3006FG	1 lb (0.45 kg)
B1328	Protective Bag for 3008FG	2 lbs (0.91 kg)



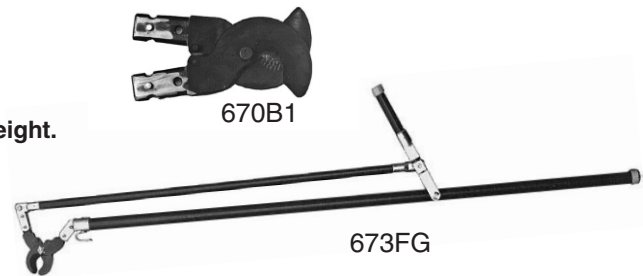
*Cutters 8 feet (2.44 m) and over must be shipped by truck freight

ALL ALUMINUM & SOFT COPPER LEVER CUTTERS

CAT. NO.	DESCRIPTION	STATIONARY HANDLE	WEIGHT
673FG	Cutting Stick	6' (1.83 m)	10 lbs (4.55 kg)
674FG	Cutting Stick	8' (2.44 m)*	11 lbs (4.99 kg)
670B1	Head Only		2 lbs (0.91 kg)

*Cutters 8 feet (2.44 m) and over must be shipped by truck freight.

BAGS		WEIGHT
CAT. NO.	DESCRIPTION	WEIGHT
B1326	Protective Bag for 673FG	2 lbs (0.91 kg)
B1328	Protective Bag for 674FG	3 lbs (1.36 kg)



Cutting head is adapted to fiberglass handles for live line work on underground and overhead conductors. For use on aluminum up to 750 kcmil and copper to 500 kcmil. The stationary handle is 1 1/2" (3.8 cm) in diameter and the operating handle is 1" (2.5 cm) in diameter. Bag not included.

Not to be used on ACSR or steel cable.

ALL ALUMINUM & SOFT COPPER CUTTERS

CAT. NO.	HANDLE LENGTH	WEIGHT
670	24" (61.0 cm)	5 lbs (2.27 kg)
671	30" (76.2 cm)	6 lbs (2.72 kg)
672	36" (91.4 cm)	7 lbs (3.18 kg)

BAGS		WEIGHT
CAT. NO.	DESCRIPTION	WEIGHT
B670	Bag for 670	1 lb (0.45 kg)
B671	Bag for 671	1 lb (0.45 kg)
B672	Bag for 672	1 lb (0.45 kg)



Note: Not for use on ACSR or steel.

ACSR CUTTERS WITH PERMANENT HEADS

CAT. NO.	HANDLE LENGTH	TOTAL LENGTH	WEIGHT
67124ACFG	24" (61.0 cm)	28" (71.1 cm)	5 lbs (2.27 kg)
67130ACFG	30" (76.2 cm)	34" (86.4 cm)	5 lbs (2.27 kg)
67136ACFG	36" (91.4 cm)	40" (102.0 cm)	6 lbs (2.72 kg)



67136ACFG

BAG CAT. NO.	DESCRIPTION	WEIGHT
B670	Protective Bag for 67124ACFG	1 lb (0.45 kg)
B671	Protective Bag for 67130ACFG	1 lb (0.45 kg)
B672	Protective Bag for 67136ACFG	1 lb (0.45 kg)

Cuts ACSR up to 396 kcmil. The cutting head is permanently attached. Bag not included.

SOFT CABLE CUTTER WITH REMOVABLE HEAD

CAT. NO.	MAXIMUM CABLE SIZE			HANDLE LENGTH	WEIGHT
	COPPER POWER	ALUMINUM POWER	COMMUNICATION		
670001	500 kcmil	750 kcmil	1 3/8" (3.5 cm)	24" (61.0 cm)	5 lbs (2.27 kg)
6700011	750 kcmil	1200 kcmil	1 3/4" (4.5 cm)	24" (61.0 cm)	6 lbs (2.72 kg)
671001	500 kcmil	750 kcmil	1 3/8" (3.5 cm)	30" (76.2 cm)	5 lbs (2.27 kg)
6710011	750 kcmil	1200 kcmil	1 3/4" (4.5 cm)	30" (76.2 cm)	7 lbs (3.18 kg)

HEADS CAT. NO.	DESCRIPTION	WEIGHT
670B1	1 3/8" Head Only	1 1/2 lbs (0.68 kg)
6700011B	1 3/4" Head Only	2 lbs (0.91 kg)

BAG CAT. NO.	DESCRIPTION	WEIGHT
B670	Bag for 24" Cutters	1 lb (0.45 kg)
B671	Bag for 30" Cutters	1 lb (0.45 kg)



671001

Lightweight, rugged, and strong. The two-handed cutter head gives clean, shearing cuts. Bag not included.

Not for use on ACSR or steel.

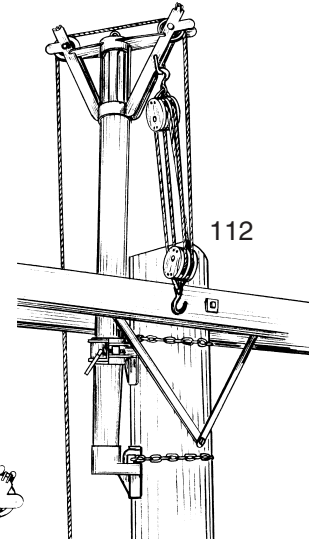
TRANSFORMER GIN ASSEMBLY

CAT. NO.	DESCRIPTION	WEIGHT	WLL
112	Transformer Gin Assembly	89 lbs (40.36 kg)	2,500 LBS

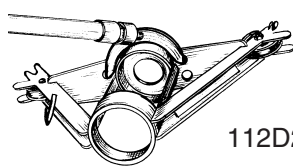
Designed to lift transformers, cross arms and other items used in pole construction. Assembly consists of a pole with ferrules, top fitting, center fitting, base fitting and protective bag for the pole. Has a balanced or *unbalanced safe working load limit of 2,500 lbs (1,134 kg), at a minimum of 18" apart. The working load limit is the total load on the gin assembly including load to be lifted, pull on fall line and friction. Rope and block assembly not included. (See pages 34 - 35).

* Unbalanced loads shall not exceed a 4-10-1 (load-to-fall) ratio.

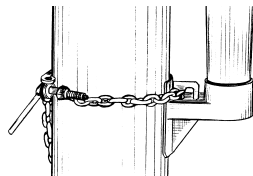
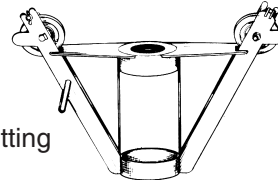
WARNING! Tagging loads will subject gin to side loading that will reduce WLL.



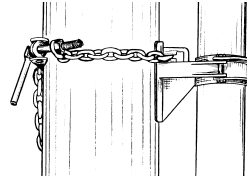
112D7
Application
Tool for
112D2



112D2 - Top Fitting



112L - Base Fitting



112U - Center Fitting

TOOL HOLDER

FOR VERTICAL CONSTRUCTION POLES

CAT. NO.	DESCRIPTION	WEIGHT	
7401N	With Strap Binder	18 lbs (8.16 kg)	7401C
7401C	With Chain Binder	18 lbs (8.16 kg)	



Functions as an arm for hanging live line tools and hand lines on vertical construction poles, keeping the tools away from the construction pole. It has a 2 1/2" diameter and is 30" long (6.4 x 76.2 cm). The loop fittings are 12" (30.5 cm) apart to hang the handline and tool frame (Cat. No.100TR). Easy to install on the pole with a nylon strap binder or a chain binder. Has a working load limit of 550 pounds (250 kg) with a ratio 3:1.

TOOL FRAME

CAT. NO.	DESCRIPTION	WEIGHT
100T	Tool Frame	1 lb (0.45 kg)
100TR	Tool Frame with Rope and Snap	2 lbs (0.91 kg)

A convenient place to hang tools when they are not in use, has swivel eye allowing the frame to rotate.



100TR

FIBERGLASS GIN ASSEMBLY

CAT. NO.	DESCRIPTION	WEIGHT
710FG	10' (3.05 m) Gin Pole with Chain Yoke and Base Attachment	60 lbs (27.21 kg)
712FG	12' (3.66 m) Gin Pole with Chain Yoke and Base Attachment	63 lbs (28.57 kg)
B710	Protective Bag for 710FG	5 lbs (2.27 kg)
B712	Protective Bag for 712FG	5 lbs (2.27 kg)

***Gin poles must be shipped by truck freight.**

Used to hang block lines from the rings on top, and for lifting conductors in the clear while changing insulators and cross arms, or installing switches. The poles are 3" (7.6 cm) in diameter.

WLL: 500 LBS (227 KG) AT 30°; 1,000 LBS (454 KG) VERTICAL.

ASSEMBLY INCLUDES:

CAT. NO.	DESCRIPTION	WEIGHT
7G5	Gin Pole Center Clamp for 10' - 12' poles	5 lbs (2.27 kg)

Use the center camp with the gin pole and arm sling (Cat. No. 26) to hold gin pole at various angles.

18 Locking Pin 1 lb (0.45 kg)

The locking pin is used with the center clamp and arm sling to hold gin pole at various angles.

18AS Gin Pole Chain Yoke 10 lbs (4.55 kg)

The chain yoke with pole standoff is the center fitting used to hold the gin pole in a vertical position.

17S Gin Pole Base Attachment 14 lbs (6.35 kg)

The base attachment with swivel assembly, pole standoff, chain and adjusting screw is the support attachment for all gin poles.

7G5ST Gin Pole Step for Fiberglass Gins 3 lbs (1.36 kg)

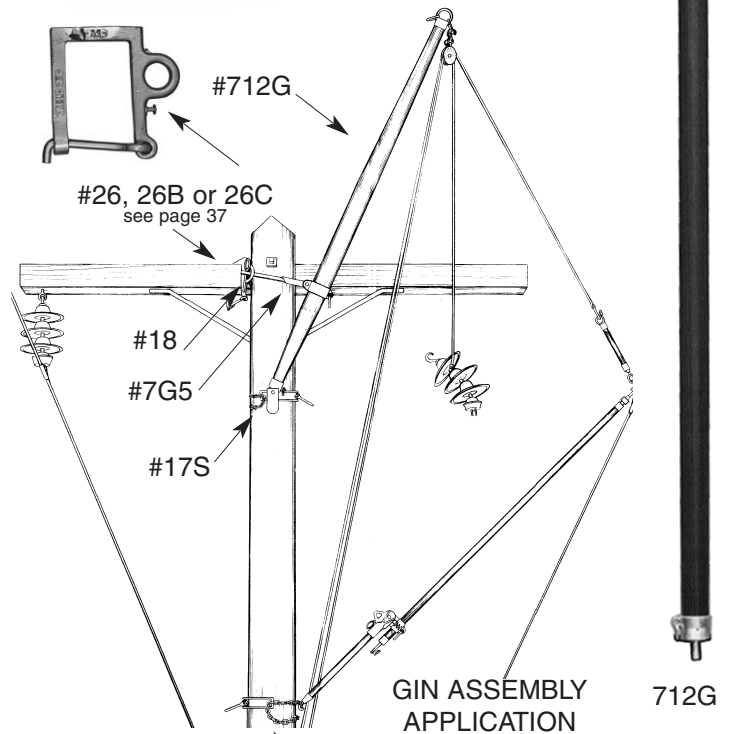
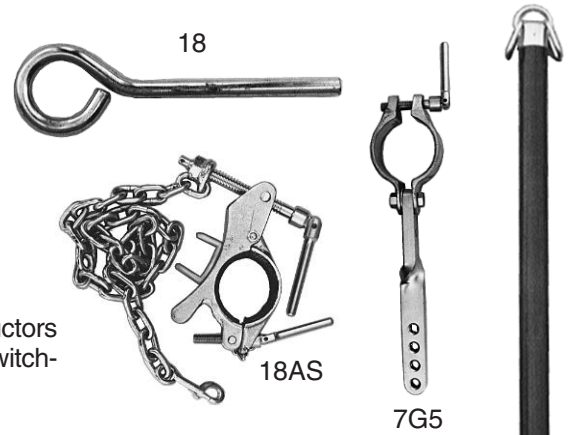
The gin pole step is a temporary step for linemen.

710G Fiberglass Pole with Ferrules 38 lbs (17.19 kg)

Pole is 3" (7.6 cm) in diameter and 10' (3.05) long.

712G Fiberglass Pole with Ferrules 40 lbs (18.14 kg)

Pole is 3" (7.6 cm) in diameter and 12' (3.66) long.



ROPE-SNUBBING BRACKET

CAT. NO.	DESCRIPTION	LENGTH OF CHAIN	WEIGHT
8200	Pole Type Bracket with Rings	51" (1.30 m)	10 lbs (4.55 kg)
8200S	Pole Type Bracket without Rings	51" (1.30 m)	10 lbs (4.55 kg)

WLL: 1,500 LBS (680 KG) WITH A 2:1 RATIO.

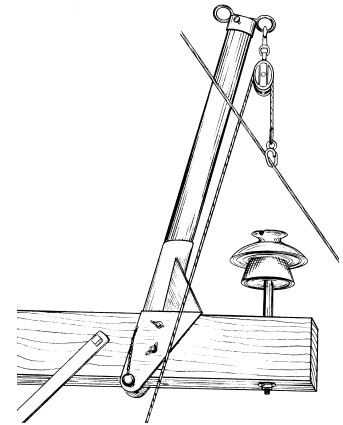
Attaches to the pole and provides a safe place to tie lines or hook blocks when handling loads.



CROSS ARM GIN

CAT. NO.	LENGTH	WEIGHT	WLL (3:1)
7003	3' (0.91 m)	12 lbs (5.44 kg)	600 lbs (272 kg)
7004	4' (1.22 m)	12 lbs (5.44 kg)	600 lbs (272 kg)
7005	5' (1.52 m)	13 lbs (5.90 kg)	600 lbs (272 kg)

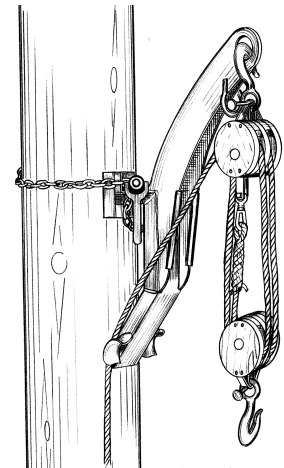
Used on cross arms when only one conductor needs to be raised. Use the arm gin to change insulators; apply an armor rod to a conductor; raise a conductor from a lower position to the cross arm, or lower the conductor. The 2 1/2" (6.4 cm) diameter fiberglass pole has two eyes at the top in which to hook the block line and tie back line. The base fits a 4 3/4" x 5 7/8" (12.1 x 14.9 cm) cross arm. Shims are needed for smaller arms.



TRANSFORMER GIN ASSEMBLY

CAT. NO.	WEIGHT	WLL
133	25 lbs (11.34 kg)	2,000 lbs

Made from steel. Can be installed on the pole by one lineman with the single alloy chain. The assembly can also be installed over a cross arm. Blocks can be installed in the eye or from the shackle provided. Rope guides for the fall line are located on both sides of the gin assembly. The gin assembly has a safe working load limit of 2,000 lbs (907 kg). The safe working load limit is the total load on the gin assembly including load to be lifted, pull on fall line and friction.

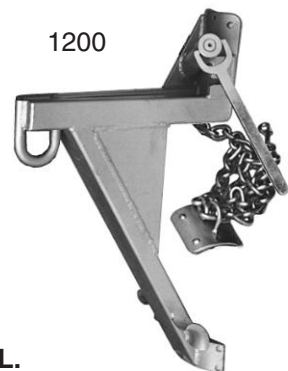


WARNING: Tagging loads will subject gin to side loading that will reduce the WLL.

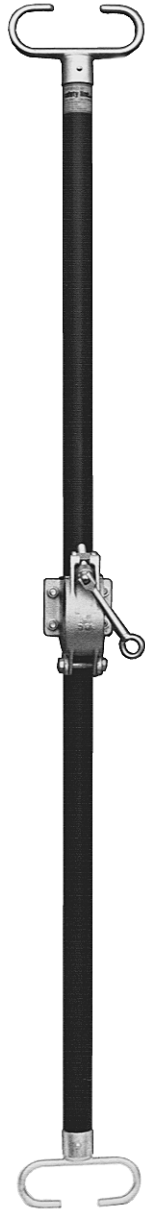
HEAVY DUTY TRANSFORMER GIN ASSEMBLY

CAT. NO.	WEIGHT	WLL
1200	39 lbs (17.73 kg)	5,000 lbs

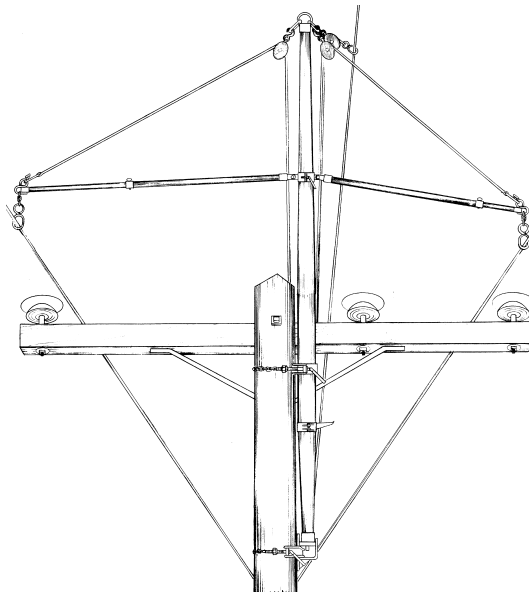
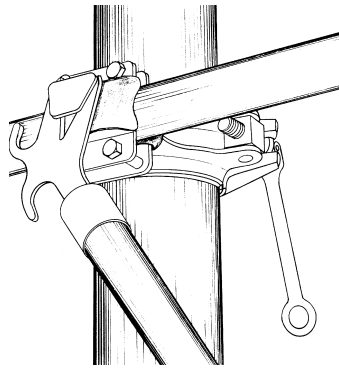
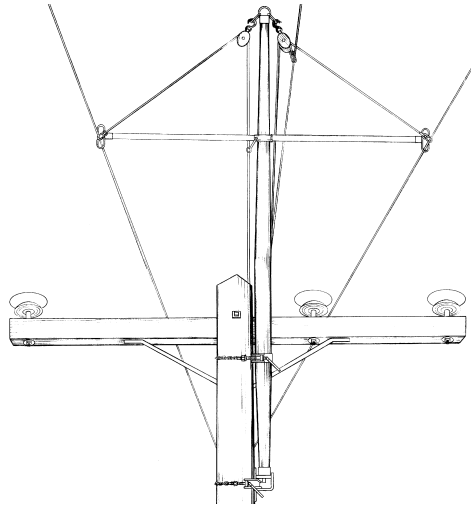
Designed for easy installation on the pole with a 5/16" high test chain and tightening handle. The gin can also be installed over a cross arm. The assembly has a safe working load limit of 5,000 lbs (2,268 kg). The safe working load limit is the total load on the gin assembly including load to be lifted, pull on fall line and friction.



WARNING: Tagging loads will subject gin to side loading that will reduce the WLL.



159FG



SPREADER ARM

CAT. NO.	LENGTH	WEIGHT
159FG	5 ft (1.52 m)	14 lbs (6.35 kg)

BAG	Weight
B159 Bag	1 lb (0.45 kg)

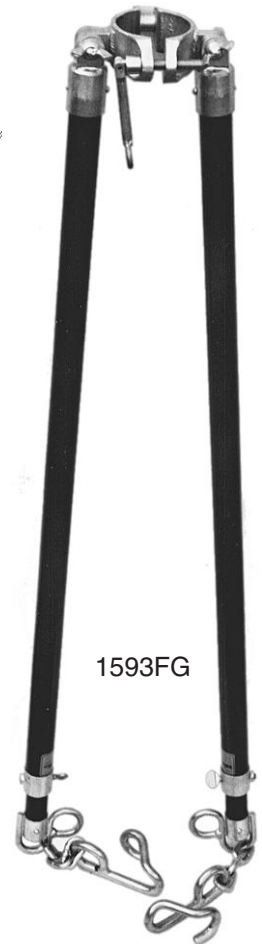
Use as a spreader for the outer conductors when changing insulators or cross arms. The lineman raises the center conductor with a block line, then installs the spreader arm on the Series 710FG and 712FG gin pole and raises the spreader arm into place (approximately 2 feet [61.0 cm] from the top) with an alligator stick (Cat. No. 408FGQ). A switch stick (Cat. No. 1408FGQ) is used for tightening.

Note: This tool is not designed to support the conductor. Conductors are supported with the block line used to raise them into place, and tied with a rope snubbing bracket (Cat. No. 8200) at the base of the pole. A pigtail stick (Cat. No. 5FGQ/U or 501FGQ/U) is used to guide conductors into the hooks.

TELESCOPIC SPREADER ARM

CAT. NO.	WEIGHT
1593FG	16 lbs (7.26 kg)

Designed to raise conductors in the clear with a hinged action from the center clamp installed approximately 30" (76.2 cm) from the top of the gin pole. The arms adjust from 48" (1.22 m) to 72" (1.83 m). The conductor is raised along with the outer end of the arm by a pigtail hook (Cat. No. 501FGQ) on a block line (Cat. No.1441) attached in rings at the top of the pole. First, the center conductor is raised with a block line. The telescopic spreader arms are then installed in the center clamp with the pigtail hook attached to the eye provided in the outer end of the arm. Used with the fiberglass gin assembly.



1593FG

TEMPORARY SIDE ARM - POLE MOUNTED

CAT. NO.	NUMBER OF WIRE HOLDERS	ARM LENGTH	WEIGHT
NYLON STRAP BINDER WITH INSULATORS			
156013NI	1	3' (0.92 m)	14 lbs (6.35 kg)
156024NI	2	4' (1.22 m)	17 lbs (7.71 kg)
156038NI*	3	8' (2.44 m)	22 lbs (9.98 kg)

CAT. NO.	NUMBER OF WIRE HOLDERS	ARM LENGTH	WEIGHT
NYLON STRAP BINDER WITHOUT INSULATORS			
156013N	1	3' (0.92 m)	13 lbs (5.90 kg)
156024N	2	4' (1.22 m)	16 lbs (7.26 kg)
156038N*	3	8' (2.44 m)	21 lbs (9.52 kg)

CAT. NO.	NUMBER OF WIRE HOLDERS	ARM LENGTH	WEIGHT
CHAIN BINDER WITH INSULATORS			
156013CI	1	3' (0.92 m)	18 lbs (8.16 kg)
156024CI	2	4' (1.22 m)	24 lbs (10.88 kg)
156038CI*	3	8' (2.44 m)	35 lbs (15.84 kg)

CAT. NO.	NUMBER OF WIRE HOLDERS	ARM LENGTH	WEIGHT
CHAIN BINDER WITHOUT INSULATORS			
156013C	1	3' (0.92 m)	17 lbs (7.71 kg)
156024C	2	4' (1.22 m)	23 lbs (10.43 kg)
156038C*	3	8' (2.44 m)	34 lbs (15.38 kg)

*Temporary side arms 8 ft (2.44 m) long include a removable support brace and must be shipped by truck freight.

CAT. NO.	DESCRIPTION	WEIGHT
1309D	Wire Holder without Insulators	2 1/2 lbs (1.13 kg)
1309DI	Wire Holder with Insulators	3 lbs (1.36 kg)
1399GIB	Insulator	1 lb (0.45 kg)

WLL: 3 FT (0.92 M) - 300 LBS (136 KG)
4 FT (1.22 M) - 300 LBS (136 KG)
8 FT (2.44 M) - 450 LBS (204 KG)
OR 150 LBS (68 KG) PER WIRE HOLDER.



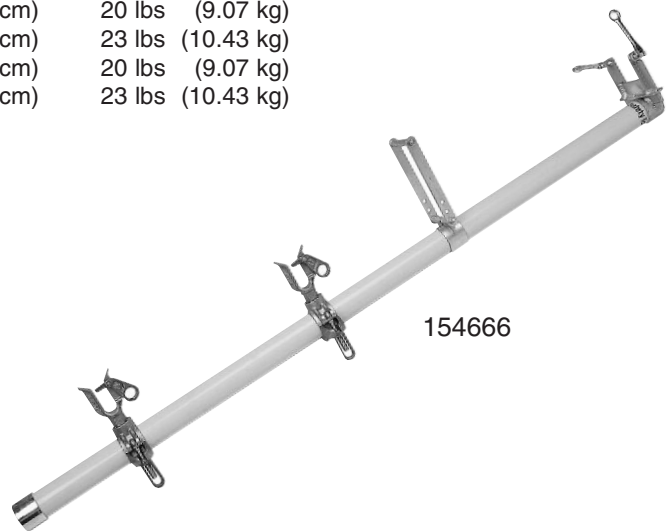
Holds energized conductors during replacement of poles and repair or replacement of insulators. It is made of 2 1/2" (6.3 cm) diameter foam-filled fiberglass with removable and adjustable wire holders. Each arm has a strap hoist or chain binder. Specify length of arm and number of wire holders needed. Side arms without insulators are rated for 15 kV; with insulators, 35 kV. Eight foot side arm includes arm support.

TEMPORARY SIDE ARM - CROSS ARM MOUNTED

CAT. NO.	DESCRIPTION	FOR CROSS ARM SIZE	WEIGHT
154466	Without Insulators	4 1/4" x 6 3/4" (10.3 x 17.1 cm)	20 lbs (9.07 kg)
154466I	With Insulators	4 1/4" x 6 3/4" (10.3 x 17.1 cm)	23 lbs (10.43 kg)
154666	Without Insulators	6" x 6" (15.2 x 15.2 cm)	20 lbs (9.07 kg)
15466I	With Insulators	6" x 6" (15.2 x 15.2 cm)	23 lbs (10.43 kg)

CAT. NO.	DESCRIPTION	WEIGHT
1309D	Wire Holder without Insulators	2 1/2 lbs (1.13 kg)
1309DI	Wire Holder with Insulators	3 lbs (1.36 kg)
1309GIB	Insulator	1 lb (0.45 kg)

The 6 foot (1.83 m) side-mounted temporary side arm has 2 wire holders and is used as a temporary conductor holder while replacing or repairing existing conductors or insulators. Made from 2 1/2" diameter foam-filled fiberglass. Both wire holders are adjustable and removable. Units without insulators are rated for 15 kV and 35 kV with insulators.

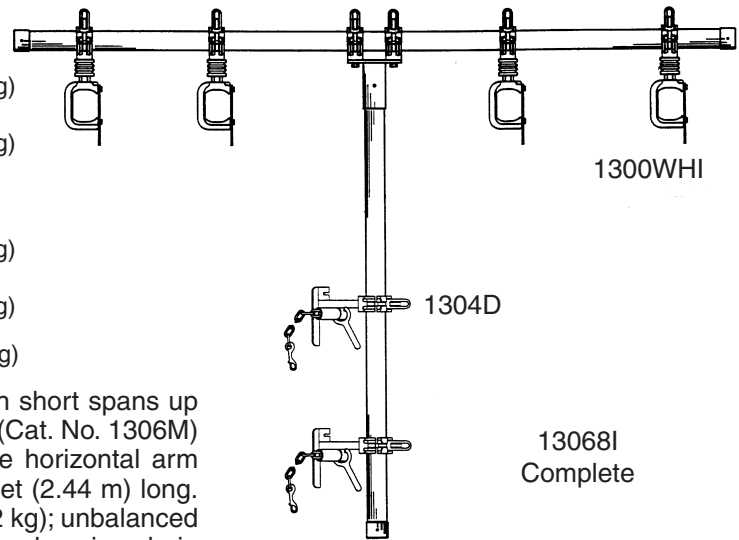


WLL: 300 LBS (136 KG) OR 150 LBS (68 KG) PER WIRE HOLDER.

TEMPORARY TRANSFER ARMS

CAT. NO.	DESCRIPTION	WEIGHT
13068	Transfer Arm without Insulators	62 lbs (28.12 kg)
13068I	Transfer Arm with Insulators	65 lbs (29.48 kg)
PARTS		
1300WH	Wire Hanger without Insulators	3 lbs (1.36 kg)
1300WHI	Wire Hanger with Insulators	4 lbs (1.81 kg)
1309GIB	Insulator	1 lb (0.45 kg)

Used to change crossarms, insulators, or poles on short spans up to and including 15 kV phase to phase. The mast (Cat. No. 1306M) is 2-1/2" in diameter by 6 feet (1.82 m) long. The horizontal arm (Cat. No. 1340WHF8) is 2-1/2" in diameter by 8 feet (2.44 m) long. The arm has a balanced load rating of 600 lbs (272 kg); unbalanced at 150 lbs (68 kg). These units are mounted to the pole using chain binders (Cat. No. 1304D) and are rated for 15 kV without insulators and 35 kV with insulators. Bag (Cat. No. B1300) not included.

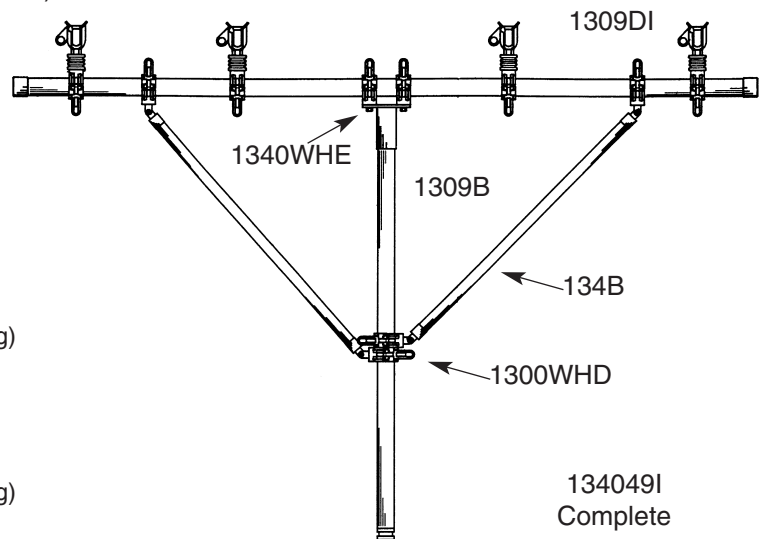


UMBRELLA ARM

CAT. NO.	DESCRIPTION	WEIGHT
BOOM MOUNTED		
134049	Wire Holders without Insulators	49 lbs (22.23 kg)
134049I	Wire Holders with Insulators	
POLE MOUNTED		
130410C	Wire Holders without Insulators	55 lbs (24.95 kg)
130410CI	Wire Holders with Insulators	57 lbs (25.85 kg)

CAT. NO.	DESCRIPTION	WEIGHT
PARTS		
1309D	Wire Holder without Insulator	2 1/2 lbs (1.13 kg)
1309DI	Wire Holder with Insulator	3 lbs (1.36 kg)
1300WHD	Support Adapter	5 lbs (2.27 kg)
1309GIB	Insulator	1 lb (0.45 kg)

The umbrella arm must be shipped by truck freight.



Used on line trucks with a fiberglass boom extension or on bucket trucks. The arm is used for lifting conductors while changing insulators, cross arms, or poles.

The horizontal arm has 2-1/2" (6.3 cm) diameter foam-filled fiberglass throughout. The horizontal arms of both the boom-mounted and the truck-mounted units are 9' (2.74 m) long. The boom-mounted unit has a 5' (1.52 m) mast and the pole-mounted unit has a 10' (3.05 m) mast. The mast is designed for lifting from one to four conductors. It is supplied with wire holders with locking gates to keep the conductor in place. A switch hook is used to release the gate.

The insulated wire holders can be moved or removed for alignment. This unit has a rating of 800 pounds (363 kg) balanced load or 200 lbs per wire holder. Arm dielectric strength is 15 kV without insulators and 35 kV with insulators.

GROUND ROD DRIVERS

CAT. NO.	DESCRIPTION	LENGTH	WEIGHT
1350	Ground Rod Driver	60" (1.52 m)	45 lbs (20.40 kg)
1350001	Ground Rod Driver	26" (0.66 m)	15 lbs (6.80 kg)

ADAPTERS

1350058A	For 5/8" (1.6 cm) Ground Rods	1/2 lb (0.21 kg)
1350034A	For 3/4" (1.9 cm) Ground Rods	1/2 lb (0.21 kg)

BAGS

B1350	Bag for 1350	1 lb (0.45 kg)
C30	Bag for 1350001	1 lb (0.45 kg)



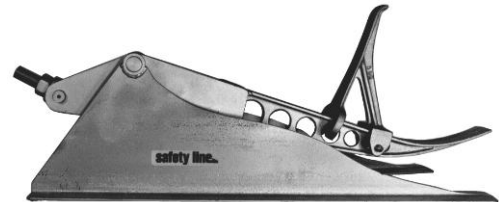
60" (1.52 m) long and drives 5/8" (1.6 cm) ground rods deep by concentrating impact directly to the rod.

Light-weight and easy-to-use. Drives 1/2" (1.3 cm) ground rods with less effort than conventional methods. Discs surrounding the handle protect hands from walls, shrubbery, and the sliding parts. Measures 26" (66 cm) long with a 14" (35.6 cm) stroke.

Adapters for 5/8" (1.6 cm) and 3/4" (1.9 cm) ground rods are available. Bag not included.

FRAMING JACK

CAT. NO.	DESCRIPTION	WEIGHT
640001	Framing Jack with Ratchet Wrench	58 lbs (26.38 kg)
6400B	Ratchet Wrench Only	1 lb (0.45 kg)



Designed to lift the largest poles with ease and safety. The framing jack slips under a pole lying flat on the ground and raises it without danger of it toppling over. Measures 15" (38.1 cm) long.

WLL at 2:1 - 3,000 lbs (1357 kg)

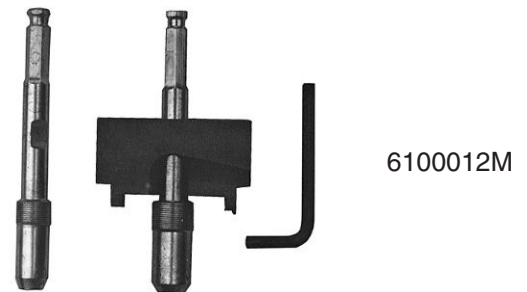


SHEAR PLATE DAPPING TOOL

COMPLETE SETS

CAT. NO.	DESCRIPTION	SIZE(S)
6100012B	With 2 Brace Drive Pilots	11/16" (1.8 cm) and 13/16" (2.1 cm)
6100012M	With 2 Impact Drive Pilots	11/16" (1.8 cm) and 13/16" (2.1 cm)
610001B	With 1 Brace Drive Pilot	11/16" (1.8 cm)
610001M	With 1 Impact Drive Pilot	11/16" (1.8 cm)
610002B	With 1 Brace Drive Pilot	13/16" (2.1 cm)
610002M	With 1 Impact Drive Pilot	13/16" (2.1 cm)

Weight - 1 1/2 lbs (0.68 kg)



PILOTS

CAT. NO.	DESCRIPTION	SIZE
610001B2	Pilot Only Brace Drive	11/16" (1.8 cm)
610001M2	Pilot Only Impact Drive	11/16" (1.8 cm)
610002B2	Pilot Only Brace Drive	13/16" (2.1 cm)
610002M2	Pilot Only Impact Drive	13/16" (2.1 cm)

Weight - 8 oz (224 g)

Designed to cut a recess for the installation of the shear plates. Complete sets come with 1 bit, 1 or 2 pilot(s) and 1 Allen wrench. Cutter heads are designed to accommodate pilot drives for both 5/8" (1.6 cm) and 3/4" (1.9 cm) bolts, and are held in place with an Allen head screw. Pilot drives can be ordered with shanks designed for either impact (M) or hand brace (B) use.

OTHER PARTS

CAT. NO.	DESCRIPTION
610001AW	Allen Wrench for Dapping Tool
610001B1	Bit Only for Dapping Tool
610001SS	Set Screw, 1/2"-13

FLAG INSERTION TOOL

CAT. NO.	DESCRIPTION	WEIGHT
MFP10027	Regular Point	2 lbs (0.91 kg)
MFP10027PS	Regular and Spade Point	2 lbs (0.91 kg)



REPLACEMENT PARTS

CAT. NO.	DESCRIPTION	WEIGHT
MFP10027P1	Point Only	1 oz (28 g)
MFP10027PQ	Point with Quick Change	6 oz (168 g)
MFP10027SP1	Spade Point Only	2 oz (56 g)
MFP10027SPQ	Spade Point with Quick Change	7 oz (196 g)



Replaces the metal probes used to make holes in hard ground for marking flags. Has no metal parts between the point and the handle so the user is protected against an accidental contact with buried electrical cable. Fiberglass is tested at 50kV / 6 inches and for dielectric leakage per ASTM F711.

MFP10027



CABLE SPREADERS

CAT. NO.	DESCRIPTION	WEIGHT
50200030	3" (7.6 cm) Conduit	5 lbs (2.27 kg)
50200040	4" (10.2 cm) Feed Tube	8 lbs (3.63 kg)
50200041	4" (10.2 cm) Conduit	7 lbs (3.17 kg)



Cable spreaders allow cable to feed smoothly over ball bearing rollers.



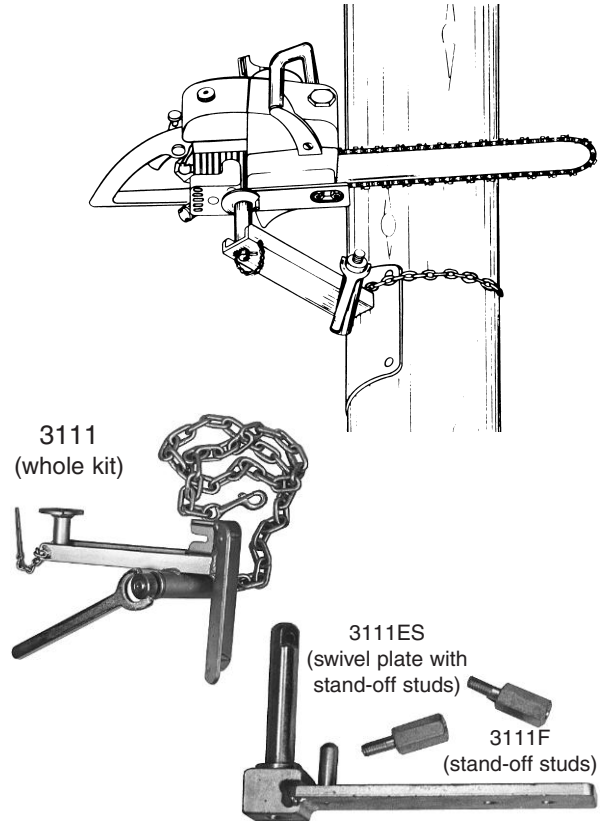
POLE ADAPTER KIT

The pole adapter kit is a mounting bracket that safely attaches a saw to the pole. The saw pivots on a plate which is attached to the side of the saw. The pole adapter has a chain tightening base, and a safety stop to halt the swing of the saw after the cut has been made. Use this adapter kit while cutting off sections of a pole when the pole has to be removed. Chain saw not included.

Weights: Kit - 14 lbs (6.35 kg); Swivel Plate with Stand-off Stud - 1 lb (0.45 kg); Stand-off Stud Only - 3 oz (84 g).

ADAPTER KITS

TYPE OF SAW	KIT CAT. NO.	SWIVEL PLATE WITH	
		STAND-OFF	STAND-OFF
		STUDS CAT. NO.	STUD ONLY CAT. NO.
Ackley Hydraulic	3112	3112ES	3112F
Echo 302S (330S)	3123	3123ES	3123F
Echo CS4500 (4600)	3122	3122ES	3122F
Fairmont Limb Lopper	3113	3113ES	3113F
Homelite Super 2	3116	3116ES	3116F
Homelite 240	3117	3117ES	3117F
Homelite XL	3110	3110ES	3110F
Homelite XL925	3119	3119ES	3119F
Homelite EL16	3124	3124ES	3124F
Husqvarna	3120	3115ES	3115F
McCullough	3121	3121ES	3121F
Milwaukee 6215	3125	3125ES	3125F
Poulan	3111	3111ES	3111F
Stanley CS05 and CS06	3118	3118ES	3118F
Stihl	3115	3115ES	3115F
Thor Chain	3114	3114ES	3114F



PARTS FOR ALL SAWS

CAT. NO.	DESCRIPTION	WEIGHT
3100D	Mounting Frame Only	10 lbs (4.55 kg)
3100DSC	Mounting Frame with Screw, Chain, Nut and Handle	14 lbs (6.35 kg)
3101	Chain Saw Cover	8 oz (0.22 kg)
175ES	4' Chain, Screw, Nut and Handle	4 lbs (1.81 kg)
520FB	Storage Box with Inserts	60 lbs (27.20 kg)

POLE DRAW BAR

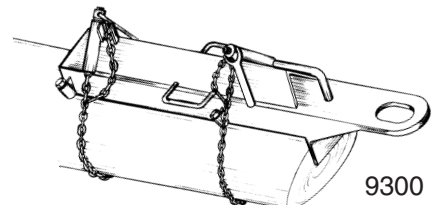
CAT. NO.	DESCRIPTION	WEIGHT
9300	Pole Draw Bar (complete)	60 lbs (27.21 kg)
9301	Heavy Duty Pole Draw Bar	78 lbs (35.37 kg)



REPLACEMENT PARTS

CAT. NO.	DESCRIPTION	WEIGHT
9300C	Chain, Screw and Snap	4 lbs (1.81 kg)
9300E	Toggle Handle and Nut	1 lb (0.45 kg)
9300M	Pointed Screw	3 oz (84 g)

The pole draw bar attaches to the pole by placing the end stop of the bar against the end of the pole. Secure the bar to the pole with the two chain and screw binders affixed to the bar. The pole draw bar is supplied with lifting handles on each side and a safety loop through which a chain is attached. The oval hole is large enough to fit all hitches. (Check local vehicle safety chain regulations.)

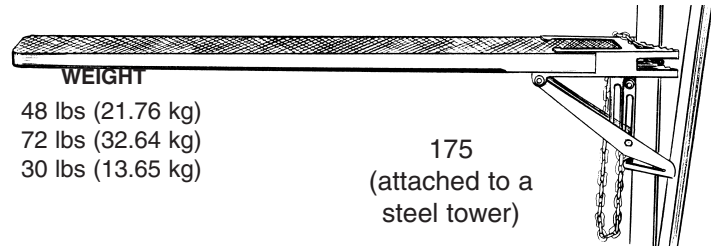


CAT. NO. 9300 - SAFE TOWING CAPACITY: 10,000 LBS (4,530 KG).
CAT. NO. 9301 - SAFE TOWING CAPACITY: 15,000 LBS (6,804 KG).

WORK PLATFORMS

CAT. NO.	DESCRIPTION	OVERALL LENGTH	BOARD LENGTH	WEIGHT
175	Platform	6'3" (1.91 m)	6' (1.83 m)	48 lbs (21.76 kg)
178	Platform	8'4" (2.54 m)	8' (2.44 m)	72 lbs (32.64 kg)
17530	Platform	38" (0.97 m)	30" (0.73 m)	30 lbs (13.65 kg)

*Platforms 8'4" (2.54 m) must be shipped by truck.



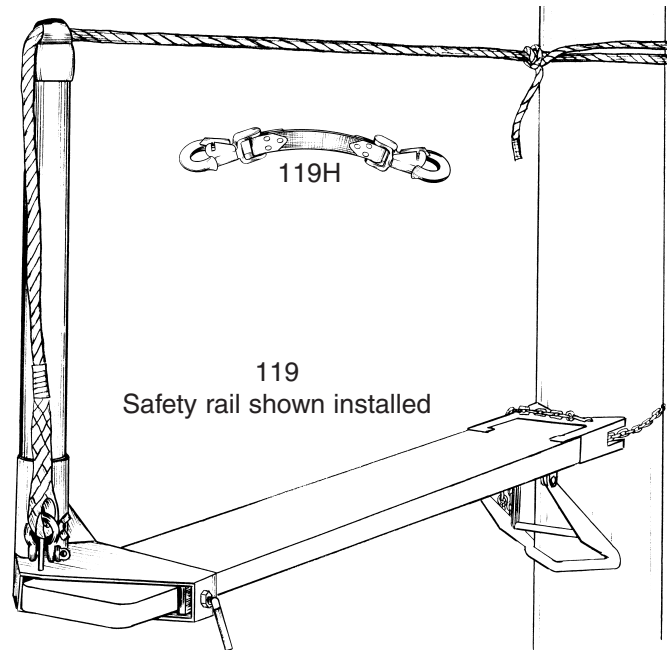
PARTS

CAT. NO.	DESCRIPTION	WEIGHT
175H	Board Only for 175	30 lbs (13.65 kg)
178H	Board Only for 178	35 lbs (15.92 kg)
119	Safety Rail	19 lbs (8.62 kg)
119H	Strap with 2 Snaps	2 lbs (0.91 kg)
119B	Base Only	10 lbs (4.55 kg)

Work platforms are made of laminated wood and covered with a non-skid coating to prevent slipping. The folding feature requires less space for storage and makes it easy to take the platform up through wires safely. Each platform is tested at 500 lbs (227 kg) on the outer end of the board.

A single chain fastens the platform to a pole or steel tower and prevents the platform from swinging or slipping sideways. The chain is tightened by means of a quick-adjusting screw.

Use the 30" (76.2 cm) platform (Cat. No. 17530) when a short, lightweight board is needed. The platform is wide enough for a man to sit comfortably and is ideal for installing switches and cutouts. Cat. No. 17530 folds to a compact size of 13" (32.5 cm) wide, 38" (95 cm) long and 3³/₈" (8.6 cm) deep.



WLL at 2:1 - 250 lbs (113.4 kg)

The safety rail attaches to the platform after the platform has been installed on the pole. The strap helps eliminate the possibility of a lineman falling, and permits the lineman to move about freely while doing his work from the platform.

ROPE WITH INSULATING PROPERTIES

Safety™ Brait® insulated rope offers the electric utility industry the safest, most secure, and easiest to use insulated rope for use in a variety of transmission and distribution line applications. Conforms to all ASTM and OSHA requirements for normal use and rescue. Available in 3/8", 1/2", and 5/8" diameter on 600-foot spools. Other lengths and diameters available on special order basis. Orange color, per ASTM F1701 requirements.



CAT NO.	LENGTH		DIAMETER		AVERAGE TENSILE STRENGTH		WLL		WEIGHT / REEL	
	FT	M	IN	MM	LBS	KG	LBS	KG	LBS	KG
3750NC600	600	182.9	3/8	9.53	4,000	1,814	400	181	18.0	8.16
5000NC600	600	182.9	1/2	12.70	5,950	2,698	661	300	22.2	10.06
6250NC600	600	182.9	5/8	15.88	8,900	4,036	1,112	504	37.2	16.87

NOTE: Rope requires special splicing methods. Refer to manufacturer's splicing instructions.

HAND LINES

POLYPROPYLENE AND POLYESTER (POLYDAC) ROPE

CAT. NO.	DIAMETER		LENGTH		APPROX. TENSILE STRENGTH		WEIGHT/REEL	
	IN	CM	FT	M	LBS	KG	LBS	KG
5000E600	1/2	1.3	600	182.9	5,400	2,449	40	18.1
6250E600	5/8	1.6	600	182.9	7,200	3,266	56	25.4
7500E600	3/4	1.9	600	182.9	9,800	4,445	75	34.0
8750E600	7/8	2.2	600	182.9	13,500	6,123	108	50.0
1000E600	1	2.5	600	182.9	17,000	7,711	132	60.0
1125E600	1 1/8	2.9	600	182.9	21,000	9,525	165	74.8
1250E600	1 1/4	3.2	600	182.9	25,000	11,339	201	91.2
1500E600	1 1/2	3.8	600	182.9	34,000	15,422	276	125.2

Premium all-purpose hand line. It is a light weight and durable three-strand laid rope. Filament polyester yarns are “jacket-wrapped” over mono-filament polypro center yarns, providing excellent abrasion resistance and gripping properties with moderate elongation. When used properly, polydac is perfect for capstans, block and tacklework, and many other rough applications. Other lengths available.



SPECIAL PIGTAIL LINE

CAT. NO.	ROPE LENGTH	LINE HOOK CAT. NO.	WLL	WEIGHT
1472	75' (22.9 m)	27	970 lbs (440 kg)	5 lbs (2.27 kg)
1482	75' (22.9 m)	27A	970 lbs (440 kg)	5 lbs (2.27 kg)

Made with 1/2" (1.3 cm) insulating rope. Used in single blocks when lifting conductors with the gin pole and for tie down lines when a conductor is being tied or untied. Other lengths available. Specify length and hooks required.



1472

ROPE BLOCKS WITH INSULATING ROPE

CAT. NO.	ROPE LENGTH	BLOCKS		WLL	WEIGHT
		QTY	CAT. NO.		
1441	120' (36.6 m)	2	284	970 lbs (440 kg)	12 lbs (5.44 kg)
1510	120' (36.6 m)	2	3102W	970 lbs (440 kg)	8 lbs (3.63 kg)
1513	120' (36.6 m)	2	3103W	970 lbs (440 kg)	9 lbs (4.08 kg)

Block and tackle combinations made with 1/2" (1.3 cm) insulating rope. Other lengths and configurations available.



1441

HAND LINE ASSEMBLIES WITH POLYDAC ROPE

CAT. NO.	DESCRIPTION	TOTAL ROPE		FOR POLE		WEIGHT	
		LENGTH		(HEIGHT)		LBS	KG
		FT	M	FT	M		
1491250	Standard Hand Line, Fixed Sling	100	30.5	50	15.2	11	4.99
1491375	Standard Hand Line, Fixed Sling	150	45.8	75	22.9	13	5.90
1492240	Standard Hand Line, Adjustable Sling	80	24.4	40	12.2	11	4.99
1492250	Standard Hand Line, Adjustable Sling	100	30.5	50	15.2	11	4.99
1492375	Standard Hand Line, Adjustable Sling	150	45.8	75	22.9	13	5.90
1493250	Alternate Hook Assembly, Fixed Sling	100	30.5	50	15.2	11	4.99
1493375	Alternate Hook Assembly, Fixed Sling	150	45.8	75	22.9	13	5.90
1494250	Alternate Hook Assembly, Adjustable Sling	100	30.5	50	15.2	11	4.99
1494330	Alternate Hook Assembly, Adjustable Sling	60	18.3	30	9.1	10	4.53
1494375	Alternate Hook Assembly, Adjustable Sling	150	45.8	75	22.9	13	5.90

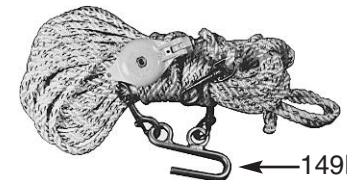


149S

PARTS

CAT. NO.	DESCRIPTION	WEIGHT
42	Hand Line Block (only)	2 lbs (0.91 kg)
149H	Hook for Hand Line (only)	1 lb (0.45 kg)
149S	Swivel Snaps (only)	1 lb (0.45 kg)

1491250



Used for lifting objects to the lineman on the pole. Other lengths are available.

DOUBLE CLEAT BLOCKS

CAT. NO.	WLL	ROPE LENGTH	WEIGHT
375NC75CB	750 lbs (340 kg)	75' (23.3 m)	12 lbs (5.44 kg)

Light, galvanized steel shell blocks fitted with snubbing hooks to hold the load in any position. Sheaves are strong lightweight aluminum alloy with all bronze bushing. Rope is 3/8" (1.0 cm). Other lengths are available.



375NC75CB

HOOKS

CAT. NO.	DESCRIPTION	WLL		WEIGHT	
		LBS	KG	LB	KG
40H	Pointed Hook	1,000	454	1	0.45
40HPP	Pointed Hook	1,000	454	1	0.45
40CH	Blunt Hook	1,000	454	1	0.45
40SHB	Swivel Hook	1,000	454	1	0.45

40H



40CH



40HPP



40SHB



Used for snatch and hand line blocks.

LINE HOOKS

CAT. NO.	DESCRIPTION	OPENING SIZE	WLL	WEIGHT
27	Small	7/8" (2.2 cm)	1,000 lbs (454 kg)	1 lb (0.45 kg)
27A	Medium	1 1/2" (3.8 cm)	1,325 lbs (601 kg)	2 lbs (0.91 kg)
27S	Large	2" (5.1 cm)	1,650 lbs (748 kg)	3 lbs (1.36 kg)

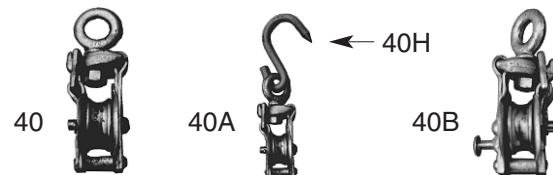


27

Steel line hooks designed to hug the conductor when strain is applied to rope after splicing rope into the eye. Hooks will not damage conductor or fall off, and are easily applied and removed.

STEEL SNATCH BLOCKS

CAT. NO.	DESCRIPTION	WEIGHT		WLL	
		LB	KG	LBS	KG
40	With Eye	2	0.91	750	340
40A	With Hook	3	1.36	750	340
40B	With Live Line Pin	2	0.91	750	340
40C	With Blunt Hook	3	1.36	750	340

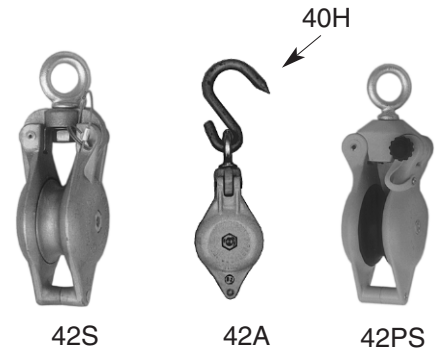


The steel snatch block is used with hand lines when changing dead ends and vertical strain insulators on high voltage lines. Other hooks, shown above, are available. Please specify.

WARNING: DO NOT EXCEED THE WORKING LOAD LIMIT.

BLOCKS

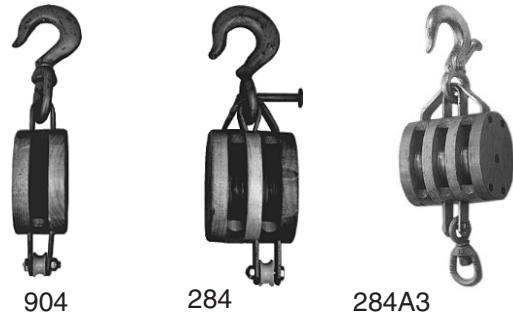
CAT. NO.	DESCRIPTION	WEIGHT		WLL	
		LB	KG	LBS	KG
42	Aluminum Hand Line Block	2	0.91	1,000	454
42A	Aluminum Hand Line Block with Pointed Hook	3	1.36	1,000	454
42S	Aluminum Snatch Block	2	0.91	1,000	454
42SA	Aluminum Snatch Block with Pointed Hook	3	1.36	1,000	454
42PS	Insulated Plastic Block	3	1.36	1,000	454



Made of high strength aluminum alloy except for Cat. No. 42PS which is made of high impact plastic. The hand line block has a 5/8" (1.6 cm) diameter rope maximum. "S" denotes side opening block. Other hooks are available.

WOOD SHELL BLOCKS

CAT. NO.	SIZE		WEIGHT		WLL	
	IN	CM	LB	KG	LBS	KG
SINGLE BLOCK WITH SWIVEL HOOK & BECKET						
904	4	10.2	2	0.91	1,000	454
905	5	12.7	3	1.36	1,200	544
906	6	15.2	5	2.27	1,800	816
DOUBLE BLOCK WITH FLAT HOOK & BECKET						
284	4	10.2	3	1.36	1,400	635
285	5	12.7	5	2.27	1,800	816
286	6	15.2	7	3.17	2,500	1,134
DOUBLE BLOCK WITH FLAT HOOK, BECKET & SWIVEL						
284A	4	10.2	3	1.36	1,400	635
285A	5	12.7	5	2.27	1,800	816
286A	6	15.2	8	3.63	2,500	1,134
TRIPLE BLOCK WITH FLAT HOOK, BECKET & SWIVEL						
284A3	4	10.2	4	1.81	1,800	816
285A3	5	12.7	7	3.17	2,400	1,089
286A3	6	15.2	11	4.99	3,200	1,451

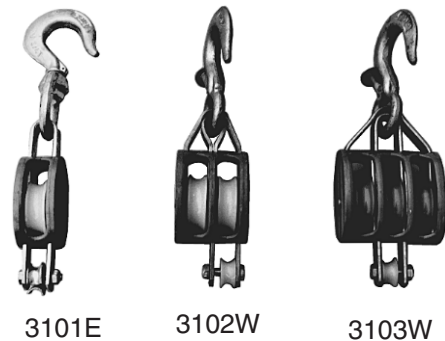


Used with polypropylene or synthetic rope. The 4" blocks have a 1/2" (1.3 cm) diameter rope maximum; the 5" blocks a 5/8" (1.6 cm) maximum; and the 6" blocks a 3/4" (1.9 cm) maximum.

Single blocks are fitted with a swivel hook; double and triple block with a loose, flat hook. Swivel hooks are not recommended on double or triple blocks. The double and triple blocks are fitted with a special live line pin so they can easily be handled with an alligator stick (Cat. No. 4FGQ).

NYLON BLOCKS

CAT. NO.	DESCRIPTION	WEIGHT		WLL	
		LB	KG	LBS	KG
3101E	Single Block with Swivel Hook & Becket	1	0.45	500	227
3101W	Single Block with Flat Hook & Becket	1	0.45	500	227
3102W	Double Block with Flat Hook & Becket	2	0.91	1,000	454
3103W	Triple Block with Flat Hook & Becket	2	0.91	1,200	544



Light-weight and self-lubricating. The nylon blocks will handle 1/2" (1.3 cm) diameter rope and smaller.

WARNING: DO NOT EXCEED THE WORKING LOAD LIMIT.

TRANSFORMER SLING

CAT. NO.	DIAMETER	TENSILE (STRAIGHT PULL)		WLL		WEIGHT	
		IN	MM	LB	KG	LB	KG
S0190L0048	1/2" (1.3 cm)			7,200 lbs (3,265 kg)	1,225 lbs (556 kg)	1 1/2 lbs (0.68 kg)	
S0191L0048	5/8" (1.6 cm)			12,000 lbs (5,442 kg)	2,160 lbs (980 kg)	2 lbs (0.91 kg)	

Has eye on each end. Adjustable from 3" to 15" (7.6 to 38.1 cm) to accommodate various sizes and types of transformers. Chafe collar in middle of sling protects against abrasion and snagging. Each end has a crown splice to prevent eye from pulling out while under load. Standard length is 4 ft (1.22 m). Adjustable from 24" to 48" (0.61 to 1.22 m). Other lengths available. Rope is 100% high tenacity polyester, constructed in a single braid and coated with Rhino-Kote for increased abrasion resistance.



S0191L0048

SLINGS

ENDLESS SLINGS

Any length with an 18" (45.7 cm) minimum. Specify length by adding the length (in inches) to the end of the catalog number. For example, a 36" (91.4 cm) sling would be Cat. No. SL190136.

CAT. NO.	WIDTH		PLY	WLL		
	IN	MM		VERTICAL	CHOKER	BASKET HITCH
SLEN1901	1	25.4	1	3,200	2,500	6,400
SLEN2901	1	25.4	2	6,100	4,900	12,200
SLEN1902	2	50.8	1	6,400	5,000	12,800
SLEN2902	2	50.8	2	12,200	9,800	24,400
SLEN1903	3	76.2	1	8,600	6,900	17,200
SLEN2903	3	76.2	2	16,300	13,000	32,600



SLEN2902



SL2902

The fabric in eye & eye-twist slings is turned 180° before sewing to form an eye which lays 90° to the sling body. This allows for easier choking. The fabric in endless slings is overlapped and sewn to form an endless grommet.

EYE & EYE-TWIST SLINGS

Any length with an 18" minimum. Specify length by adding it (in inches) to the end of the catalog number.

CAT. NO.	WIDTH		PLY	WLL			EYE LENGTH		EYE WIDTH	
	IN	MM		VERTICAL	CHOKER	BASKET HITCH	IN	MM	IN	MM
SL1901	1	25.4	1	1,600	1,200	3,200	9	228.6	1	25.4
SL2901	1	25.4	2	3,200	2,400	6,400	9	228.6	1	25.4
SL1902	2	50.8	1	3,200	2,400	6,400	9	228.6	2	50.8
SL2902	2	50.8	2	6,400	4,800	12,800	9	228.6	2	50.8
SL1903	3	76.2	1	4,800	3,600	9,600	12	304.8	1 1/2	38.1
SL2903	3	76.2	2	8,600	6,500	17,200	12	304.8	1 1/2	38.1

ARM SLINGS

CAT. NO.	OPENING SIZE		CROSS ARM SIZE		WLL (2:10 RATIO)	
	IN	CM	IN	CM	LB	KG
26	5 x 6 1/4	12.7 x 15.9	4 1/2 x 6	11.4 x 15.2	2,500	1,134
26B	6 1/4 x 6 1/4	15.9 x 15.9	6 x 6	15.2 x 15.2	2,500	1,134
26C	6 1/4 x 7 7/8	15.9 x 20.0	6 x 7 1/2	15.2 x 19.1	2,500	1,134

The cast arm slings have an eye for hanging blocks when pulling slack or changing strain insulators. The cast arm slings are also used to hold a gin pole in place when changing insulators. Weight - 7 lbs (3.2 kg).

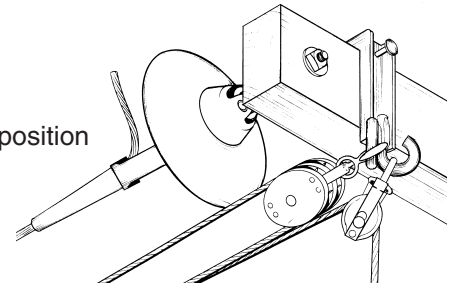


26

FABRICATED ARM SLINGS

CAT. NO.	OPENING SIZE		WLL (2:1 RATIO)	
	IN	CM	LB	KG
26E	4 x 6	10.2 x 15.2	2,000	907
26G	5 x 6	12.7 x 15.2	2,000	907
26K	6 x 6	15.2 x 15.2	2,000	907
26H	6 1/8 x 8	15.6 x 20.3	2,000	907

26E in position



Used as an all-purpose sling for non-energized and live line work, the fabricated arm sling is made to fit snugly over the arm by using the filler plates (included) to adjust the opening.

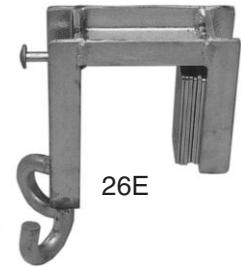
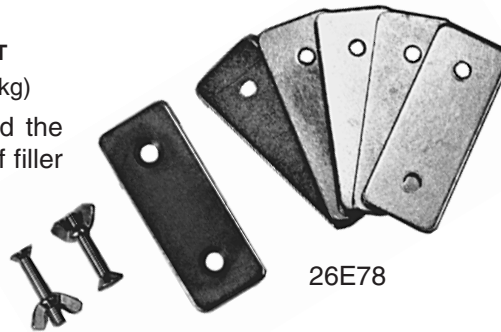
Weight - 6 lbs (2.7 kg).

PARTS

CAT. NO.	DESCRIPTION	WEIGHT
26E78	One Set of Filler Plates	1 lb (0.45 kg)

Filler plates are 1/8" (3 mm) Used to adjusted the opening of the fabricated arm sling. One set of filler plates includes:

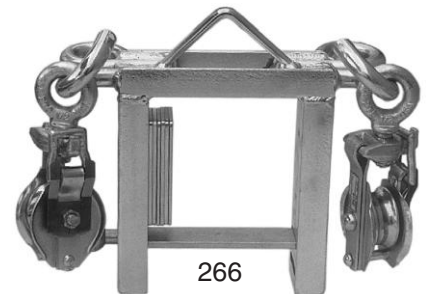
CAT. NO.	DESCRIPTION	QTY.
26E8	Countersunk Plate	1
26E7	Plain Plates	5



DOUBLE ARM SLING

CAT. NO.	DESCRIPTION	WLL
266	With 2 Steel Snatch Blocks	750 lbs (340 kg)

Made for dead ending. Adjustable to cross arms 4" to 5" (10.2 to 12.7 cm) wide and 5" to 6" (12.7 to 15.2 cm) high, the double arm sling can be installed with insulating sticks. Weight - 15 lbs (6.8 kg).



SAFETY HOOK

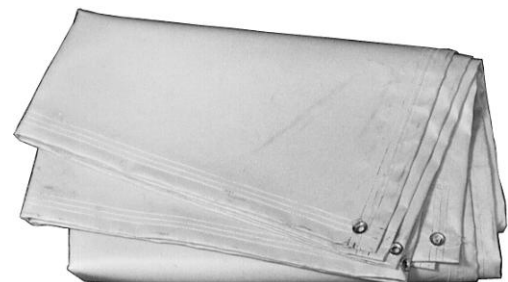
CAT. NO.	DESCRIPTION	WLL	WEIGHT
4003SH	Conductor Lifting Hook	2,000 lbs (907 kg)	6.2 lbs (2.8 kg)



TARPAULINS

CAT. NO.	SIZE	WEIGHT
T68	6' x 8' 1.83 m x 2.44 m	4 lbs (1.81 kg)
T610	6' x 10' 1.83 m x 3.05 m	5 lbs (2.27 kg)
T810	8' x 10' 2.44 m x 3.05 m	6 lbs (2.72 kg)
T812	8' x 12' 2.44 m x 3.66 m	7 lbs (3.18 kg)
T99	9' x 9' 2.75 m x 2.75 m	6 lbs (2.72 kg)
T1010	10' x 10' 3.05 m x 3.05 m	8 lbs (3.63 kg)
T1010S	10' x 10' 3.05 m x 3.05 m	7 lbs (3.18 kg)

T68



Tarpaulins are water resistant and help to protect tools placed on the ground. The tarpaulins are made of 13 ounce (0.36 kg), yellow laminated vinyl nylon. T1010S has a 1' (30.5 cm) center hole for pole.

CONNECTOR TOOL SPLIT BOLT

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
80FGQ	Quick Change	6'6" (1.98 m)	12 lbs (5.44 kg)
80FGU	Universal	6'6" (1.98 m)	12 lbs (5.44 kg)
801FGQ	Quick Change	8' (2.44 m)	13 lbs (5.90 kg)
801FGU	Universal	8' (2.44 m)	13 lbs (5.90 kg)

PARTS

80CQ	Quick Change Head Only	7 lbs (3.18 kg)
80CU	Universal Head Only	7 lbs (3.18 kg)
80SST	Set of Sockets (1 of each size listed below)	2 lbs (0.91 kg)

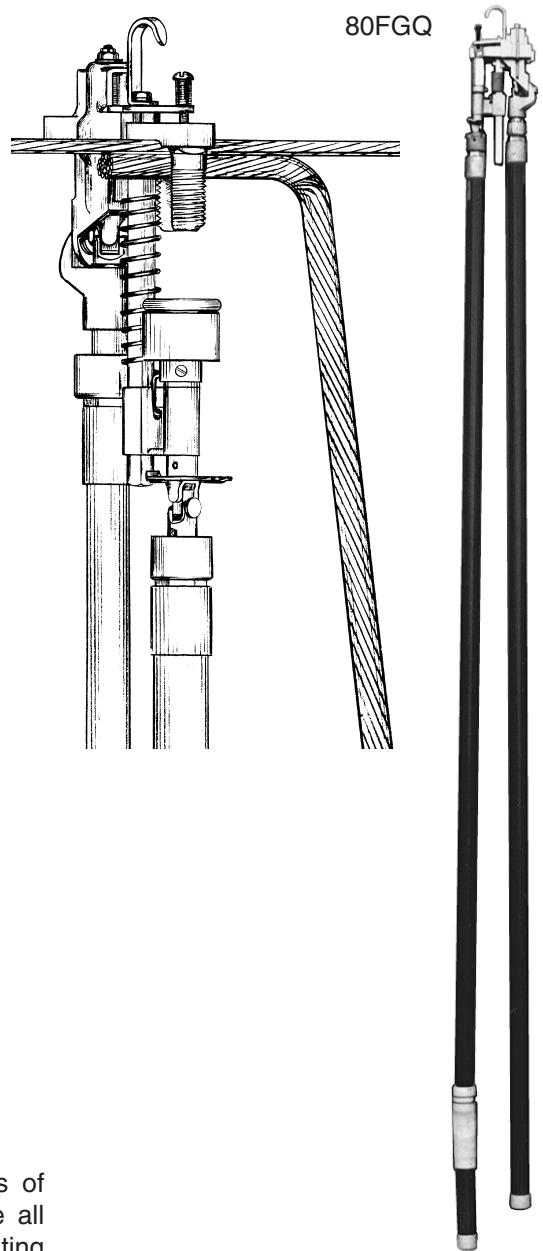
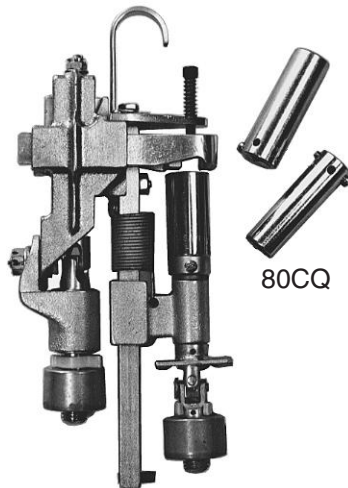
BAGS

B1006	Protective Bag for 80FGQ/U	2 lbs (0.91 kg)
B1008	Protective Bag for 801FGQ/U	3 lbs (1.36 kg)

NOTE: All tools are supplied with 3 sockets (5/8", 11/16", 3/4") unless otherwise specified.

SOCKET SIZES AVAILABLE:

CAT. NO.	SIZE	
	IN	CM
80S7/16	7/16	1.1
80S1/2	1/2	1.3
80S9/16	9/16	1.4
80S5/8	5/8	1.6
80S11/16	11/16	1.8
80S3/4	3/4	1.9
80S13/16	13/16	2.1
80S7/8	7/8	2.2
80S15/16	15/16	2.4
80S1	1	2.5
80S1-1/16	11/16	2.7
80S1-1/8	11/8	2.9
80S1-3/16	13/16	3.0
80S1-1/4	11/4	3.2
80S1-5/16	15/16	3.3
80S1-3/8	13/8	3.5



The connector tool offers a convenient, fast, and efficient means of applying and removing connectors from live lines and will handle all 80CQ split bolt type connectors, up to and including 4/0. The operating handle has a diameter of 1" (2.5 cm) and the stationary handle has a diameter of 1 1/4" (3.2 cm). Bag not included. Other lengths available.

**PARALLEL GROOVE CLAMP TOOL
WITH 3 SOCKETS**

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
18006Q	Quick Change	6' (1.83 m)	8 lbs (3.63 kg)
18006U	Universal	6' (1.83 m)	8 lbs (3.63 kg)
18008Q	Quick Change	8' (2.44 m)	11 lbs (4.99 kg)
18008U	Universal	8' (2.44 m)	11 lbs (4.99 kg)

HEADS WITH 3 SPECIAL SOCKETS

CAT. NO.	DESCRIPTION	WEIGHT
1800CQ	Quick Change Head	3 lbs (1.96 kg)
1800CU	Universal Head	3 lbs (1.96 kg)
1800CQS	Quick Change Head with Top Hook	3 lbs (1.96 kg)

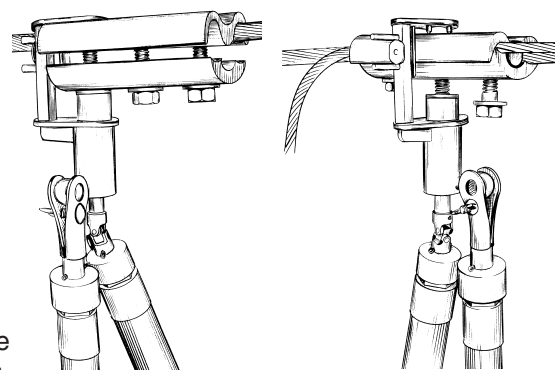
NOTE: ALL TOOLS ARE SUPPLIED WITH 3 SOCKETS:

CAT. NO.	SIZE	WEIGHT
1800SS	9/16" (1.4 cm)	1 lb (0.45 kg)
1800SM	3/4" (1.9 cm)	1 lb (0.45 kg)
1800SL	15/16" (2.4 cm)	1 lb (0.45 kg)

BAGS WITH ZIPPER POCKET FOR SOCKETS

CAT. NO.	DESCRIPTION	WEIGHT
B1006	Protective Bag for 18006-	2 lbs (0.91 kg)
B1008	Protective Bag for 18008-	2 lbs (0.91 kg)

The parallel groove clamp tool accommodates cap-screw type parallel groove clamps (one, two, and three bolt types). The parallel groove tool head clamps can be installed from almost any angle by use of the universal ball clamp. The handles are fiberglass, with the operating handle having a diameter of 1" (2.5 cm) and the stationary handle 1 1/4" (3.2 cm). Bag not included. Other lengths available.



CONNECTOR TOOL VISE TYPE

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
72FGQ	Quick Change Head	6'6" (1.98 m)	8 lbs (3.63 kg)
72FGU	Universal Head	6'6" (1.98 m)	8 lbs (3.63 kg)
721FGQ	Quick Change Head	8' (2.44 m)	9 lbs (4.08 kg)
721FGU	Universal Head	8' (2.44 m)	9 lbs (4.08 kg)

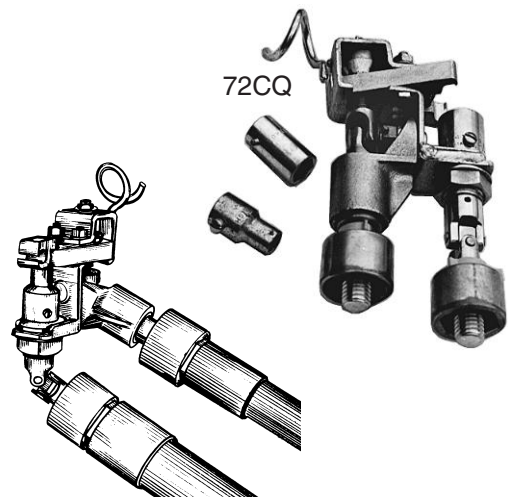
HEADS

CAT. NO.	DESCRIPTION	WEIGHT
72CQ	Quick Change Head Only	3 lbs (1.36 kg)
72CU	Universal Head Only	3 lbs (1.36 kg)

BAGS

CAT. NO.	DESCRIPTION	WEIGHT
B1006	Protective Bag for 72	1 lb (0.45 kg)
B1008	Protective Bag for 721	2 lbs (0.91 kg)

The vise type connector tool installs and removes all sizes of single bolt vise type connectors on energized lines. With this tool it is possible to install connectors on a line as efficiently as when done by hand. The handles are fiberglass. The operating handle is 1" (2.5 cm) in diameter and the stationary handle is 1 1/4" (3.2 cm) in diameter. Bag not included. Other lengths available.



NOTE: ALL TOOLS ARE SUPPLIED WITH 3 SOCKETS:

CAT. NO.	SIZE	WEIGHT
72S3/8	3/8" (0.95 cm)	2 oz (45 g)
72S9/16	9/16" (1.4 cm)	2 oz (45 g)
72S3/4	3/4" (1.9 cm)	2 oz (45 g)

**CONNECTOR TOOL
TWO BOLT-VISE TYPE**

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
7226FGQ	Quick Change Head	6'6" (1.98 m)	9 lbs (4.08 kg)
7226FGU	Universal Head	6'6" (1.98 m)	9 lbs (4.08 kg)
7228FGQ	Quick Change Head	8' (2.44 m)	10 lbs (4.55 kg)
7228FGU	Universal Head	8' (2.44 m)	10 lbs (4.55 kg)

NOTE: The above tools are supplied with the 3/4" (1.9 cm) adapter (Cat. No. 72234Q or 72234U) unless otherwise specified.

HEADS

CAT. NO.	DESCRIPTION	WEIGHT
722CQ	Quick Change Head Only and 3/4" (1.9 cm) Socket Adapter	4 lbs (1.81 kg)
722CU	Universal Head Only and 3/4" (1.9 cm) Socket Adapter	4 lbs (1.81 kg)

SOCKETS

CAT. NO.	SIZE	WEIGHT
722S9/16	9/16" (1.4 cm)	4 oz (0.11 kg)
722S3/4	3/4" (1.9 cm)	4 oz (0.11 kg)

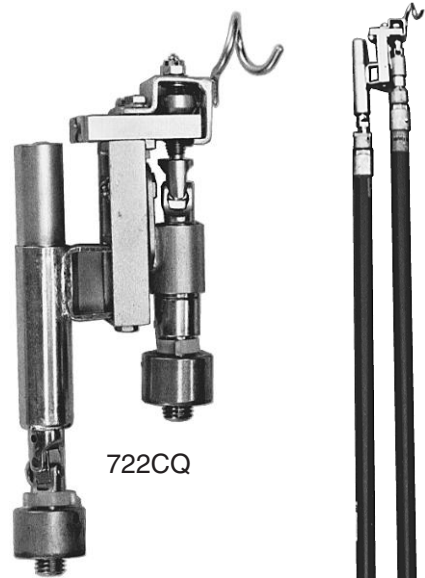
ADAPTERS

CAT. NO.	DESCRIPTION	WEIGHT
722916Q	9/16" (1.4 cm) Socket and Quick Change	1 lb (0.45 kg)
722916U	9/16" (1.4 cm) Socket and Universal	1 lb (0.45 kg)
72234Q	3/4" (1.9 cm) Socket and Quick Change	1 lb (0.45 kg)
72234U	3/4" (1.9 cm) Socket and Universal	1 lb (0.45 kg)

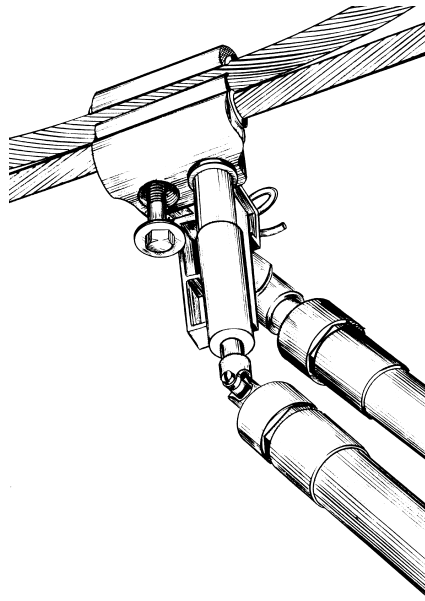
BAGS

CAT. NO.	DESCRIPTION	WEIGHT
B1006	Bag for 7226	2 lbs (0.91 kg)
B1008	Bag for 7228	2 lbs (0.91 kg)

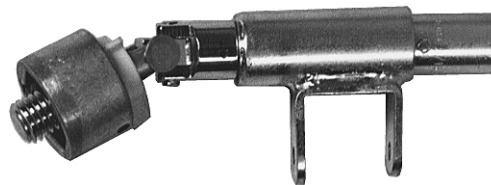
The two bolt connector tool makes it possible to use the large size connectors on live lines. They are as easy to install with this tool as by hand. The two socket adapters—sizes 9/16" (1.4 cm) and 3/4" (1.9 cm)—fit all bolts supplied on the two bolt vise type connectors. The adapters can be very easily changed in the field with only one bolt to remove. The handles of the tools are fiberglass with a 1" (2.5 cm) diameter for the operating handle and a 1 1/4" (3.2 cm) diameter for the stationary handle. Bag not included. Other lengths available.



722CQ



7226FGQ



722916Q

Adapter with 9/16" (1.4 cm) socket

CRIMP CONNECTOR TOOL

CAT. NO.	JAWS SUPPLIED	STATIONARY HANDLE	WEIGHT
15306	153DXPJ	6' (1.83 m)	12 lbs (5.44 kg)
15316	153D55	6' (1.83 m)	12 lbs (5.44 kg)
15316S	153DMD6	6' (1.83 m)	12 lbs (5.44 kg)
15308	153DXPJ	8' (2.44 m)	13 lbs (5.44 kg)
15318	153D55	8' (2.44 m)	13 lbs (5.44 kg)
15318S	153DMD6	8' (2.44 m)	13 lbs (5.44 kg)

JAWS

CAT. NO.	DESCRIPTION	WEIGHT
153DXPJ	XPJ for # 8-1	2 lbs (0.91 kg)
153D55	Plum for # 4-2-1/0 ACSR, 4-1/0 ACSR, 1-2/0 Aluminum	2 lbs (0.91 kg)
153DMD6	MD6-8 Burndy #6-4/0	2 lbs (0.91 kg)

BAGS

CAT. NO.	DESCRIPTION	WEIGHT
B1326	Protective Bag for 15306, 15316, 15316S	1 lb (0.45 kg)
B1328	Protective Bag for 15308, 15318, 15318S	2 lbs (0.91 kg)

Use the crimp connector tool to make compression type connections on live lines. The handles are fiberglass with a 1" (2.5 cm) diameter operating handle and stationary handle diameters of 1 1/2" (3.8 cm).

All crimping tools have the "toggle over center" feature to allow the operator to know when the crimp is completed. The S series crimpers with MD-6 type jaws have a heavy duty stationary handle that delivers a full crimp without flexing even on 8' (2.44 m) models. Bag not included.



153DXPJ



15306

ADAPTER

CAT. NO.	DESCRIPTION
153245U	Adapter for Y45 Crimping Head

Used to adapt the crimping head to an insulated stick such as Cat. No. 12596UU.

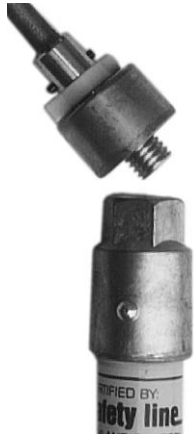
Weight - 1 lb (0.45 kg).



153245U

TOOL HEAD ADAPTERS

Used in live line applications. This equipment should be mounted on suitable handles to ensure proper distance from live conductors. Below are the choices of adapters available. All tools have one of these three adapters. When ordering tool heads or meters, please specify the type of adapter required, Q, U, or GA.



Q - QUICK CHANGE

Has a 5/8"-11 threaded stud that threads into the top of a hexagonal ferrule. A hexagonal collar slides down and over the hexagonal ferrule making a strong, positive connection. A plastic safety clip is used to lock the quick change adapter to an insulating handle.



U - UNIVERSAL

Allows quick change tool heads to be used on fiberglass handles with universal fittings and gives the user the option to position and secure a quick change tool head at several angles. It also allows meters to be attached to universal handles.



GA - GRIP ALL

For use with the clamp stick (or "shotgun stick"). The hook from the clamp stick is hooked through the eye hole of the adapter. The adapter is then drawn into the clamp stick and secured.

SAFETY CLIP FOR QUICK CHANGE

CAT. NO.	WEIGHT
320E	.1 oz (3 g)

The safety clip locks the quick change tool head to an insulating handle.



320E

CONVERTIBLE ADAPTER

Converts quick change accessories for use on universal or gripall ferrules. Drilled and tapped to fit the following female thread sizes:

CAT NO.	CHANGE		THREAD SIZE	WEIGHT
	FROM	TO		
3402Q	QC	GA	—	8 oz (224 g)
3402U	GA	U	—	6 oz (168 g)
3403	QC	U	5/8" - 11	3 oz (93 g)

3403



UNIVERSAL HEAD

CAT. NO.	DESCRIPTION	WEIGHT
3401Q	Universal Head, with Thumb Screw	1 lb (0.45 kg)
3401TS	Thumb Screw, Only	1 lb (0.45 kg)

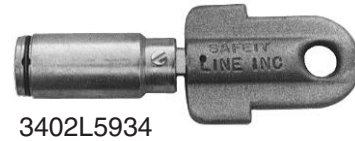
This converts heads to universal on threaded ferrule handles.



3401Q

**GRIPALL ADAPTER
WITH SQUARE DRIVE AND SOCKET**

CAT. NO.	DESCRIPTION	WEIGHT
3402L5934	With 1/2" (1.3 cm) Square Drive and 3/4" (1.9 cm) Socket	2 lbs (0.91 kg)



Used with gripall sticks. has spring-loaded socket keepers to hold a nut or cap screw. Other sizes available.

MECHANICAL HAND

CAT. NO.	DESCRIPTION	WEIGHT
1CQ	Quick Change	1 lb (0.45 kg)
44556970	Universal	1 lb (0.45 kg)



1CQ

Serves both as a hand and as pliers.

ALLIGATOR

CAT. NO.	DESCRIPTION	WEIGHT
4DQ	Quick Change	1 lb (0.45 kg)
4DU	Universal	1 lb (0.45 kg)



4DQ

Used to install and remove arm slings, double blocks, and line hooks.

PIGTAIL

CAT. NO.	DESCRIPTION	OPENING SIZE	WEIGHT
5C2Q	Quick Change	7/8" (2.2 cm)	1 lb (0.45 kg)
5C2U	Universal	7/8" (2.2 cm)	1 lb (0.45 kg)
5C3Q	Quick Change	1 1/2" (3.8 cm)	2 lbs (0.91 kg)
5C3U	Universal	1 1/2" (3.8 cm)	2 lbs (0.91 kg)
5C4Q	Quick Change	2" (5.1 cm)	2 lbs (0.91 kg)
5C4U	Universal	2" (5.1 cm)	2 lbs (0.91 kg)



5C4Q

Lifts and guides live lines.

LOCATING DRIFT

CAT. NO.	DESCRIPTION	WEIGHT
8AQ	Quick Change	2 lb (0.91 kg)
445515	Universal	2 lb (0.91 kg)



445515

Recommended for use where aligning or hardware fitting is difficult.

COTTER KEY REMOVER

CAT. NO.	DESCRIPTION	WEIGHT
11Q	Quick Change	12 oz (0.38 kg)
11U	Universal	12 oz (0.38 kg)
1101Q	Spring Loaded, Quick Change	12 oz (0.38 kg)
445512	Spring Loaded, Universal	12 oz (0.38 kg)



1101Q

Specifically designed to remove cotter keys.

COTTER KEY INSTALLER

CAT. NO.	DESCRIPTION	WEIGHT
3500Q	Quick Change	1 lb (0.45 kg)
445518	Universal	1 lb (0.45 kg)



445518

Holds the cotter key at various angles for easy installation.

SCREWDRIVER

CAT. NO.	DESCRIPTION	WEIGHT
13Q	Quick Change	8 oz (0.23 kg)
445528	Universal	8 oz (0.23 kg)

Used to install and remove screws with an insulated handle.



445528

HAMMER

CAT. NO.	DESCRIPTION	WEIGHT
165Q	Quick Change	1 lb (0.45 kg)
445585	Universal	1 lb (0.45 kg)



165Q

TEST POINT CAP SEAL CLEANER

CAT. NO.	DESCRIPTION	WEIGHT
1520006Q	Quick Change	1lb (0.45 kg)
1520006GA	Grip All	1lb (0.45 kg)
1520006U	Universal	1lb (0.45 kg)

Attach to the end of an insulated handle to clean the connection on an elbow test point cap.



1520006GA

UNIVERSAL TOGGLE & SPRING

CAT. NO.	DESCRIPTION	WEIGHT
5900Q	Quick Change	2 lbs (0.91 kg)
445546	Universal	2 lbs (0.91 kg)

The 1/2" (1.3 cm) square drive converts handles into a socket stick.



5900Q

UNIVERSAL JOINT & SPRING

CAT. NO.	DESCRIPTION	WEIGHT
3302Q	Quick Change (only)	2 lbs (0.91 kg)

Splices two handles together allowing the handles to be used as a flexible handle.

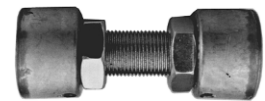


3302Q

HANDLE SPLICE JOINT

CAT. NO.	WEIGHT
3301	2 lbs (0.91 kg)

Includes two quick change units, mounted back-to-back, to accommodate splicing together two handles.



3301

BAYONET FERRULE

CAT. NO.	DESCRIPTION	WEIGHT
98BQ	Quick Change	1 lb (0.45 kg)
98BU	Universal	1 lb (0.45 kg)

Used to install or remove ground heads equipped with bayonet studs.



98BQ

LINE HOSE APPLICATOR

CAT. NO.	DESCRIPTION	WEIGHT
1680Q	Quick Change	4 lbs (1.81 kg)
1680U	Universal	4 lbs (1.81 kg)
B1680	Bag	4 lbs (1.81 kg)

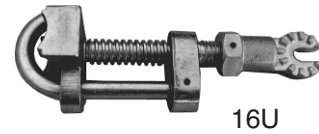
The 2" x 18" (5.1 x 45.7 cm) jaws are used to install or remove high voltage wide lip line hoses and blankets.



1680Q

DEAD END AUTOMATIC SLEEVE APPLICATOR

CAT. NO.	DESCRIPTION	DIAMETER	WEIGHT
16Q	Quick Change	1/4" to 1 1/2" (6.4 to 38 mm)	2 lb (0.91 kg)
16U	Universal	1/4" to 1 1/2" (6.4 to 38 mm)	2 lb (0.91 kg)

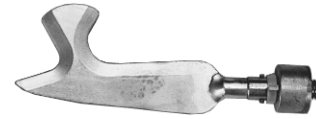


16U

Used to hold the automatic dead end or sleeve while inserting the conductor.

STRIPPING KNIFE

CAT. NO.	DESCRIPTION	WEIGHT
12Q	Quick Change	1 lb (0.45 kg)
12GA	Grip All	1 lb (0.45 kg)
445550	Universal	1 lb (0.45 kg)
12S	Sheath	4 oz (0.12 kg)

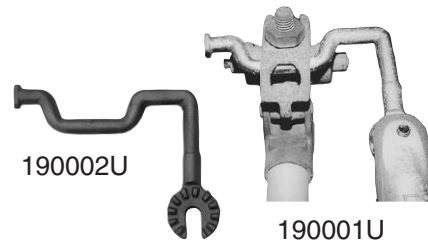


12Q

Attaches to insulating handles to remove insulation during live line work. Tempered steel blade designed for both pulling and pushing motions.

EXTENSION OFFSET SWITCH HOOK

CAT. NO.	DESCRIPTION	WEIGHT
190001Q	Steel, Quick Change	1 lb (0.45 kg)
190001U	Steel, Universal	1 lb (0.45 kg)
190002Q	Aluminum/Bronze, Quick Change	1 lb (0.45 kg)
190002U	Aluminum/Bronze, Universal	1 lb (0.45 kg)



190001U
and application

Designed for safely removing fuses from outdoor disconnects.

HANGING HOOK

CAT. NO.	WEIGHT
190HC	3 oz (84 kg)

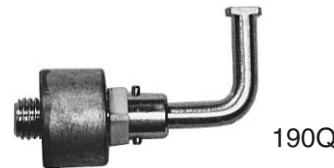
190HC



The hanging hook attaches to all fiberglass handles.

SWITCH HOOK

CAT. NO.	DESCRIPTION	WEIGHT
190Q	Quick Change	8 oz (0.25 kg)
190U	Universal	8 oz (0.25 kg)



190Q

Converts an insulating stick to a switch stick.

WIRE GRIP

CAT. NO.	DESCRIPTION	OPENINGS		WEIGHT
		MINIMUM	MAXIMUM	
3600Q	Quick Change	5/16" (7.9 mm)	7/8" (2.2 cm)	2 lbs (0.91 kg)
3600U	Universal	5/16" (7.9 mm)	7/8" (2.2 cm)	2 lbs (0.91 kg)
3601Q	Quick Change	1/2" (1.3 cm)	1 1/2" (3.8 cm)	3 lbs (1.36 kg)
3601U	Universal	1/2" (1.3 cm)	1 1/2" (3.8 cm)	3 lbs (1.36 kg)



3600Q

Used to grip conductor, the wire grip has hole for block or line hook. WWL for grips only is 1,000 lbs (454 kg) at a 4:1 ratio.

ADJUSTABLE INSULATOR FORK

CAT. NO.	DESCRIPTION	WEIGHT
8300Q	Quick Change	2 lb (0.91 kg)
445567	Universal	2 lb (0.91 kg)



8300Q

Has Plasitol coated arms that protect the insulator while connecting the insulator to the dead end clevis.

INSULATOR FORK

CAT. NO.	DESCRIPTION	WEIGHT
8301Q	Quick Change	2 lb (0.91 kg)
44551	Universal	2 lb (0.91 kg)

Used as a saddle in handling ball and socket insulators.



44551

WRENCH ATTACHMENT

CAT. NO.	DESCRIPTION	WEIGHT
9Q	Quick Change	2 lb (0.91 kg)
9U	Universal	2 lb (0.91 kg)

Used with almost any type of wrench for tightening.



9Q

PIN HOLDER

CAT. NO.	DESCRIPTION	WEIGHT
2900Q	Quick Change	1 lb (0.45 kg)
44552	Universal	1 lb (0.45 kg)

Used for removing and replacing pins from clevis-type insulators.



2900Q

INSPECTION MIRROR

CAT. NO.	DESCRIPTION	WEIGHT
9900Q	Quick Change, 5" (12.7 cm) dia.	8 oz (224 g)
445538	Universal, 5" (12.7 cm) dia.	8 oz (224 g)

Convenient for checking parts of equipment that are not directly visible.



445538

SWITCH DISCONNECT

CAT. NO.	DESCRIPTION	WEIGHT
1900U	Switch Hook with Hammer Head	.19 lbs (.08 kg)

Used to open and close switches



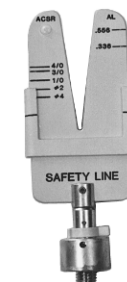
1900U

WIRE GAUGES

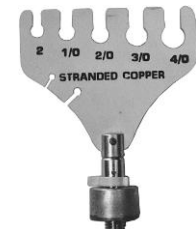
CAT. NO.	DESCRIPTION	SIZE	WEIGHT
ALUMINUM			
860002Q	Quick Change	#4 to 397.5	1 lb (0.45 kg)
860002U	Universal	#4 to 397.5	1 lb (0.45 kg)
ACSR/ALUMINUM			
860004Q	Quick Change	#4 to .556	1 lb (0.45 kg)
860004U	Universal	#4 to .556	1 lb (0.45 kg)
COPPER			
860005Q	Quick Change	#8 to 4/0	1 lb (0.45 kg)
860005U	Universal	#8 to 4/0	1 lb (0.45 kg)



860002Q



860004Q



860005Q

Used to measure the size of conductors. Made of yellow Kydex®.

PRUNING SAW

CAT. NO.	DESCRIPTION	WEIGHT
7991Q	Quick Change	1 lb (0.45 kg)
445526	Universal	1 lb (0.45 kg)
7991WS	Saw Sheath (Optional)	1/2 lb (0.22 kg)

Made of the finest special formula 19 gauge steel, and has a 14" (35.6 cm) cutting edge, with 6 teeth per blade inch.



7991Q

LIVE LINE HACK SAW

CAT. NO.	DESCRIPTION	WEIGHT
15Q	Quick Change	1 1/4 lbs (0.57 kg)
445523	Universal	1 1/4 lbs (0.57 kg)
15B	Blade, 8" (20.3 cm)	1/2 lb (0.22 kg)



Excellent for use at various angles. The blade is 8 inches (20.3 cm) long with 32 teeth per inch.

TREE PRUNER

CAT. NO.	DESCRIPTION	WEIGHT
7992FGQ	Quick Change	4 lbs (1.81 kg)
7992FGU	Universal	4 lbs (1.81 kg)



Mounted on 12" (30.6 cm) fiberglass handle with quick change or universal adapter. A 12 foot (3.66 m) insulating orange rope is installed through the pulleys for an easy operation of the head while cutting. Longer handles are available.

TOOL HEAD BRUSHES

V SHAPED CONDUCTOR CLEANING BRUSH

CAT. NO.	DESCRIPTION	WEIGHT
152Q	Quick Change	1 1/2 lbs (0.68 kg)
152GA	Grip All	1 1/2 lbs (0.68 kg)
445563	Universal	1 1/2 lbs (0.68 kg)
152B	Replacement, Brush Only	3 ozs (0.09 kg)



Has two brushes fitted into the holder at a "V" angle to assure thorough cleaning from any position. Can also be used for applying grease or other compounds to conductor prior to installing compression or automatic sleeves.

SEMI-TUBULAR CONDUCTOR CLEANING BRUSH

CAT. NO.	DESCRIPTION	WEIGHT
1521Q	Quick Change	1 1/2 lbs (0.68 kg)
1521GA	Grip All	1 1/2 lbs (0.68 kg)
445592	Universal	1 1/2 lbs (0.68 kg)
1521B	Replacement, Brush Only	12 ozs (0.37 kg)



Cleans conductors up to 1 1/16" (20 mm) in diameter.

CONDUCTOR BRUSH-SIDE OPENING

CAT. NO.	DESCRIPTION	WEIGHT
1521003Q	Quick Change	1 1/2 lbs (0.68 kg)
1521003GA	Grip All	1 1/2 lbs (0.68 kg)
1521003U	Universal	1 1/2 lbs (0.68 kg)



Cleans conductors up to 1 1/16" (20 mm) in diameter.

BRUSH WITH HANDLE AND COVER

CAT. NO.	WEIGHT
1520010GAH	1 lb (0.45 kg)

1520010GAH



Use by hand or with grip all stick to clean or apply grease. Cover protects the brush when not in use. Can be hung from tool belt.

HAND TOOL BRUSHES

V-SHAPED CONDUCTOR CLEANING BRUSH

CAT NO.	WEIGHT
152AH	1 lb (0.45 kg)

152AH



Configured like Cat. No. 152- above, but it has a permanent handle.

HAND HELD CONDUCTOR CLEANING BRUSH

CAT. NO.	MAXIMUM CONDUCTOR SIZE	WEIGHT
1520001	1 1/4" (3.2 cm)	1 lb (0.45 kg)
1520500	1/2" (13 mm)	1 lb (0.45 kg)

1520001



Used without an insulating stick for cleaning non-energized conductors.

RIV TOOLS & ACCESSORIES

CLEVIS TYPE RIV SHUNTS

CAT. NO.	WEIGHT
8504	1 oz (28 g)

8504



Used on 5/8" (1.6 cm) diameter clevis pins to suppress radio and TV interference. Can also be used for installations on the clevis pin of clevis insulators, bolted and automatic dead ends, suspension and angle clamps, and extension links. The design incorporates spring type serrations on both sides to penetrate corrosion or contamination build up on side wall metals. Installs easily with live line shunt applicator.

BALL AND SOCKET TYPE RIV SHUNTS

CAT. NO.	DESCRIPTION	WEIGHT
8505B	Bonding Brush, Cap and Pin Type	1 oz (28 g)

8505B



Used to shunt ball and socket type insulators. The brush is installed with the brass cotter key in place.

SHUNT APPLICATOR

CAT. NO.	DESCRIPTION	WEIGHT
8505Q	Quick Change with Hammer	1 1/2 lbs (68 g)
8505U	Universal with Hammer	1 1/2 lbs (68 g)

8505Q



Used to install both clevis pin caps and pin type shunts. The ball clamp allows tool to be used at any angle for installation. The hammer action allows the shunt to be started and then "hammered in."

GREASE POT WITH BRUSH

CAT. NO.	DESCRIPTION	WEIGHT
GP1001	Pot with Brush	2 lbs (0.91 kg)
GP1021618	Brush Only	5 ozs (0.14 kg)

GP1001

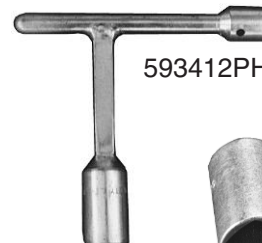


Container and applicator for connector grease.

PENTA SOCKET

CAT. NO.	DESCRIPTION	WEIGHT
590001S	3/4" (19 mm) Pentahead Socket Only	1 lb (0.45 kg)
590001	"T" Wrench with 3/4" (19 mm) Pentahead Socket	1 lb (0.45 kg)
590002	Speed Wrench with 3/4" (19 Mm) Pentahead Socket	2 lbs (0.91 kg)
59P34916SD	Penta Wrench, 3/4" (11 mm), 9/16" (14 mm), and Screw Driver	3 lbs (1.36 kg)
5900017/16T	"T" Wrench with 3/4" (11 mm) Pentahead Socket and 7/16" depth	1 lb (0.45 kg)
593412PHT	"T" Wrench with 3/4" (11 mm) and 1/2" (13 mm) Pentahead Sockets	1 lb (0.45 kg)

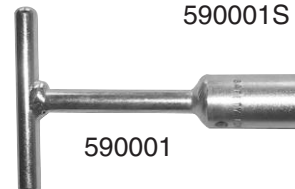
593412PHT



590001S



59P34916SD



590001



590002

Use to tighten or loosen special 3/4" (19 mm) pentahead sockets. Comes with a "T" handle. Can be used with any 1/2" (13 mm) drive wrench.

INSULATED ADJUSTABLE WRENCH

CAT. NO.	HANDLE LENGTH	WEIGHT
1160	12" (30.5 cm)	1 lb (0.45 kg)
1161	18" (45.7 cm)	2 lbs (0.91 kg)
1162	24" (61.0 cm)	3 lbs (1.36 kg)



1161

B1160	Protective Bag for 1160	1 lb (0.45 kg)
B1161	Protective Bag for 1161	1 lb (0.45 kg)
B1162	Protective Bag for 1162	1 lb (0.45 kg)

All have a spring to prevent the jaws from accidentally moving while in use. These wrenches have a 12" (30.5 cm) wrench head and are supplied with a 1 1/4" (3.2 cm) diameter fiberglass handle.

INSULATED RATCHET WRENCH

CAT. NO.	HANDLE LENGTH	WEIGHT
4412	12" (30.5 cm)	2 lbs (0.91 kg)
4418	18" (45.7 cm)	3 lbs (1.36 kg)
B1160	Protective Bag for 4412	1 lb (0.45 kg)
B1161	Protective Bag for 4418	1 lb (0.45 kg)



4412

Standard 1/2" (1.3 cm) square drive insulated ratchet wrench comes with a 1 1/2" (3.2 cm) fiberglass handle.

INSULATED RATCHET WRENCH FOR CLAMP TOP

CAT. NO.	HANDLE LENGTH	WEIGHT
44CFG	8" (20.3 cm)	2 lbs (0.91 kg)
B1161	Protective Bag	1 lb (0.45 kg)



44CFG

Has an 1 1/4" (3.2 cm) diameter fiberglass handle with eye on end for use with a clamp top tool (Cat. Nos. 44CQ or 44CU).

JACKET REMOVING TOOL

CAT. NO.	WEIGHT
1700040	1 lbs (0.45 kg)

1700040



Strips insulation on semi-conductors and eliminates the jerking and pulling required when using pliers.

UNIVERSAL THREAD CHASER

CAT NO.	DESCRIPTION	WEIGHT
5300	Lyndee #3	1 lb (0.45 kg)

5300



Re-threads any bolt from 1/4" to 1" (.6 to 2.5 cm).

GOAT WRENCH

CAT. NO.	DESCRIPTION	WEIGHT
920	Goat Wrench	2 lbs (0.91 kg)

920



Made from alloy steel to withstand hard usage. The jaws are designed so that a nut, bolt or pipe is drawn further into the throat as pressure is applied.

TOGGLE HANDLE

CAT. NO.	DESCRIPTION	HANDLE LENGTH	WEIGHT
1258HEQ	Quick Change	8" (20.3 cm)	1 lb (0.45 kg)



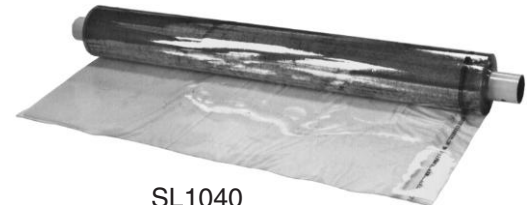
1258HEQ

This tool is used to convert any double threaded ferrule stick to a toggle handle for torquing requirements.

INSULCLEAR™

Used as a covering in conjunction with insulating gloves for the protection of personnel working on or near energized conductors and equipment. The material can be cut into various shapes and sizes to fulfill a variety of job requirements. The full width can be used to cover large areas or objects. Each roll is tested per ASTM F1742. Insulclear is 40 mil (0.0965 mm) thick transparent polyvinyl chloride (PVC).

CAT. NO.	Class	ASTM F1742		Width	Length	Weight	
		Proof Test	Max Use			lb	kg
		kV	kV	inch	feet		
SL0040	0	5	1	48	50	52	23.6
SL004025	0	5	1	48	25	26	11.8
SL1040	1	10	7.5	48	50	52	23.6
SL104025	1	10	7.5	48	25	26	11.8



SL1040

SWITCHBOARD CORRUGATED MATTING

This 1/4" matting is designed for electrical insulation as a floor covering to prevent shock around high voltage electrical equipment, fuse boxes, switchgear, control panels and heavy machinery. Matting is Type II Rubber and meets ASTM F178 specifications. Matting may be purchased by the linear foot and cut to any length.

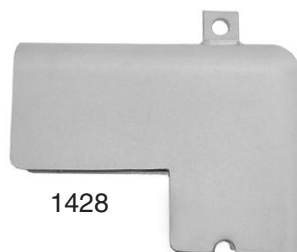
CAT. NO.	Class	ASTM F178		Dimensions		Weight	
		Rating	Thickness	Width	Length	lb	kg
		kV	inch	inch	feet		
M3620	2	20	0.25	36	per order	5.1 / ft	7.6 / m
M36203	2	20	0.25	36	3	15.3	6.9
M36204	2	20	0.25	36	4	20.4	9.3
M36206	2	20	0.25	36	6	30.6	13.9



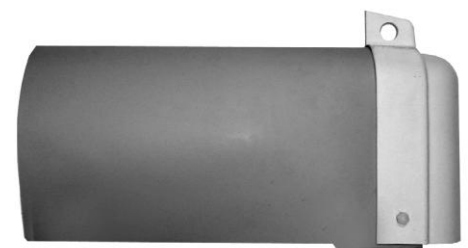
M3620

ELBOW COVERS

These KYDEX covers are used to cover elbow connectors when working adjacent to low voltage parts. In application, the rubber skirt is held in place by insulating blanket clamping pins.



1428



1428004

CAT. NO.	DESCRIPTION	Class	ASTM F968		Dimensions		Weight	
			Rating	Length	Height	Width	lb	kg
			kV	inch	inch	inch		
1428	Elbow Cover	4	15 to 35	11	8	3.5	1	0.5
1428004	w/ Flexible Rubber Skirt	3	15 to 25	17	8.5	3.75	2.8	1.3
142800435	w/ Flexible Rubber Skirt	4	15 to 35	17	9	4	2.9	1.4
BP-4	Nylon reinforce w/ Grip All	N/A	N/A	12	1	5	0.5	0.3

CLEAR CABLE COVERS

These covers are made from clear PVC round or oval tube. Each cover has a grip all handle attachment for installation with an insulated grip all hotstick.



CAT. NO.	DESCRIPTION	ASTM F968		Dimensions			Weight	
		Class	Rating kV	Length inch	I.D. inch	O.D. inch	lb	kg
14200032P	2" Ø PVC Cable Cover	2	14.6	20	2	2.38	1.5	0.68
14200033P	3" Ø PVC Cable Cover	2	14.6	20	3	3.38	3.2	1.45
14200034P	4" Ø PVC Cable Cover	2	14.6	20	4	4.38	4.3	1.95
14200036P	6" Ø PVC Cable Cover	2	14.6	20	6	6.5	5.3	2.41
14227560P	Oval PVC Cable Cover	2	14.6	20	3" x 6" Oval		4.1	1.86

CLEAR PVC STRESS CONE COVER

A grip all attachment allows this cover to be installed with an insulated grip all hotstick. The inspection window can be opened for testing with a voltage sensor.

CAT. NO.	ASTM F968		Dimensions			Weight	
	Class	Rating kV	Length inch	I.D. inch	O.D. inch	lb	kg
14200011	2	14.6	13	3	3.5	3	1.36

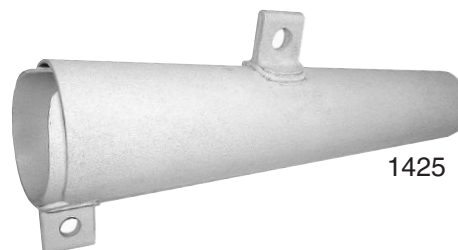


14200011

YELLOW KYDEX STRESS CONE COVER

Assembled in two tapered halves with grip all attachments on each half for installation with an insulated grip all hotstick.

CAT. NO.	ASTM F968		Dimensions			Weight	
	Class	Rating kV	Length inch	Min. I.D. inch	Max. O.D. inch	lb	kg
1425	2	14.6	16	1.75	3.25	1.3	.54



1425

CROSS ARM COVER

Designed to cover a 4" x 5" (10.2 cm x 12.7 cm) cross arm. One end of the top has a 1.5" x 5" long (3.8 cm x 12.7 cm) notch to fit around an insulator pin. The other end has a 4.25" x 4" long (10.8 cm x 10.2 cm) notch to fit around the metal base of a post type insulator. Cross arm covers are made from yellow KYDEX and have a slight taper to allow them to nest together when covering the cross arm while the conductor is tied in.

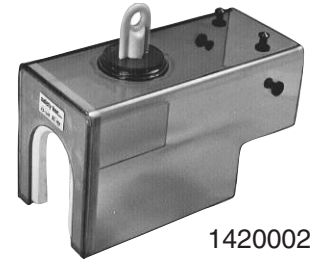


1401

CAT. NO.	DESCRIPTION	ASTM F968		Dimensions			Weight	
		Class	Rating kV	Length inch	Width inch	Height inch	lb	kg
1401	Cover without Grip All	2	14.6	18	5	6	2.5	1.14
1401GA	Cover with Grip All	2	14.6	18	5	6	2.5	1.14

TERMINATOR COVERS WITH BLANKET BUTTONS

Designed for use with 22" x 22" (56 cm x 56 cm) blankets to cover risers when working on underground transformers. The internal foam pad allows the cover to fit around insulation. Grip all attachment allows installation with an insulated grip all hotstick.

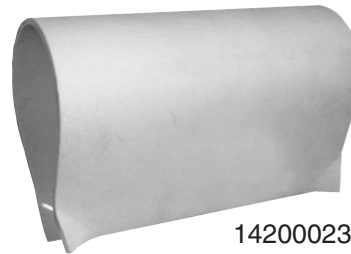


14200020

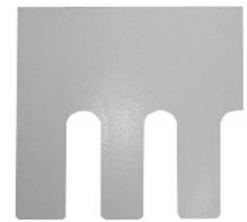
CAT. NO.	DESCRIPTION	ASTM F968		Dimensions			Weight	
		Class	Rating kV	Length inch	Width inch	Height inch	lb	kg
14200020	Large Terminator Cover	2	14.6	13	7	7.25	3	1.36
14200021	Terminator Cover	2	14.6	13	5.5	7.25	2.7	1.23

SECONDARY SPADE AND SPADE BACK COVERS

Designed for protecting from contact with the tank of a pad mount transformer or switch while using a wrench or ratchet wrench on energized secondary spades inside the transformer pad. The spade covers may be installed on the secondary spades not being worked on. The flat cover styles are slotted to fit over multiple parallel conductors. Secondary spade and spade back covers are made with yellow KYDEX.



14200023



14200024

CAT. NO.	DESCRIPTION	ASTM F968		Dimensions			Weight	
		Class	Rating kV	Length inch	Width inch	Slot inch	lb	kg
14200022	Flat Spade Back Cover	2	14.6	16	15	1.5 x 7.5	1.1	0.5
14200023	Round Spade Cover	2	14.6	8.5	6	N/A	1.1	0.5
14200024	Special Flat Spade Back	2	14.6	16	15	2.3 x 7.9	1.1	0.5

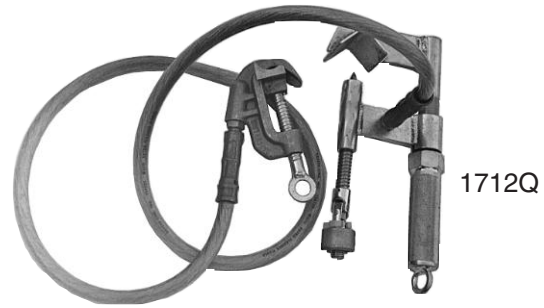
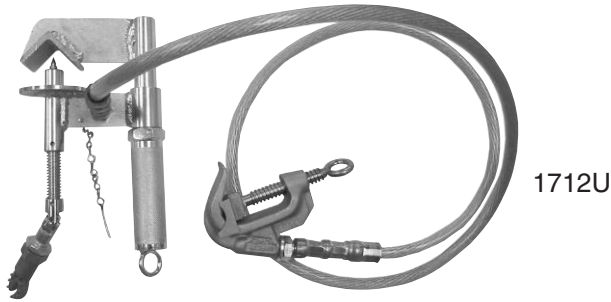
GREAT HORNED OWL

CAT. NO.	DESCRIPTION	Dimensions			
		Girth inch	Height inch	Weight	
				lb	kg
GH6052	Decoy Only	9	20	1.3	0.59
GH6052SLST	With Stud	9	20	1.3	0.59
GH6052SLSTS	With Stud and Spring	9	24	1.7	0.77

Round the clock protection of power lines offered with this realistic great horned owl, a look-a-like of the dreaded predator of squirrels and birds. For added realism, the spring mounted option allows the owl to move slightly in a light wind. Made of heavy duty molded plastic, this naturally colored decoy is easy to mount.



GH6052SLSTS



HAND OPERATED GROUND SPIKE

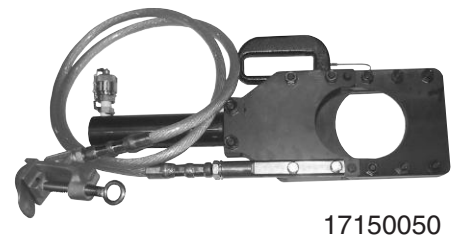
CAT. NO.	DESCRIPTION	SPIKE DPTH	CNDCTR		CABLE ASSEMBLY		ASTM FAULT / DUTY CYCLES / GRADE	WGHT LB
			MIN	MAX	CABLE	CLAMP CAT. NO.		
1712234HGA	Spike Point, GA, 2/0	1-3/4"	1"	3-1/2"	2/0 Clear	7640001E	14.5kA 15 1	10.0
1712CS	3' FG Hndl, Toggle /GA	1-3/4"	1"	3-1/2"	1/0 Clear	760001E	14.5kA 15 1	15.0
1712CSGL	3' FG Hndl, Toggle /GA	1-3/4"	1"	3-1/2"	1/0 Yellow	760001E	14.5kA 15 1	15.0
1712CSLL	3' FG Hndl, Toggle/GA	1-3/4"	1"	3-1/2"	None	None	14.5kA 15 1	15.0
1712Q	Spike Point w/QC	1-3/4"	1"	3-1/2"	1/0 Clear	760001E	14.5kA 15 1	10.0
1712U	Spike Point w/U	1-3/4"	1"	3-1/2"	1/0 Clear	760001E	14.5kA 15 1	10.0
1712GA	Spike Point w/GA	1-3/4"	1"	3-1/2"	1/0 Clear	760001E	14.5kA 15 1	10.0

HAND OPERATED GROUND SPIKES

CAT. NO.	DESCRIPTION	SPIKE DPTH	CABLE ASSEMBLY		ASTM FAULT / DUTY CYCLES / GRADE	WGHT LB
			CABLE	CLAMP CAT. NO.		
1710SB	Spike Blade, FG Hndls	3-3/8"	#2 Clear	7640001E	14.5kA 15 1	12.0
1710SP	Spike Point, FG Hndls	3-1/2"	#2 Clear	7640001E	14.5kA 15 1	12.0

SPIKE AND BLADE GROUND LEADS

CAT. NO.	DESCRIPTION	SPIKE DPTH	CNDCTR		CABLE ASSEMBLY		ASTM FAULT / DUTY CYCLES / GRADE	WGHT LB
			MIN	MAX	CABLE	CLAMP CAT. NO.		
732076P	Spike Point w/ G A	1-3/4"	0"	2-1/2"	#2 Clear	760001E	14.5kA 15 1	10.0
732076B	Spike Blade w/ GA	2-1/2"	0"	2-1/2"	#2 Clear	760001E	14.5kA 15 1	10.0

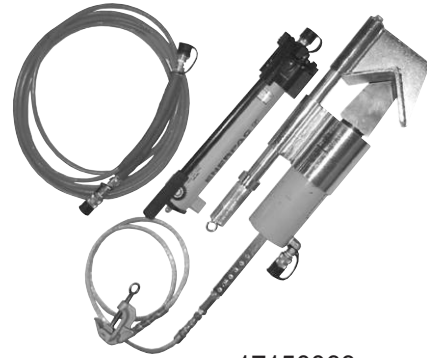


HYDRAULIC CUTTER SPIKE

CAT. NO.	DESCRIPTION	PUMP		CNDCTR		CABLE ASSEMBLY		ASTM FAULT / DUTY CYCLES / GRADE	WGHT LB
		MDL	p.s.i.	MIN	MAX	CABLE	CLAMP CAT. NO.		
17150050	Huskie Head, Eye Screw	N/A	N/A	0"	3-1/2"	#2 Clear	760001E	14.5kA 15 1	23.0
17150050WPH	Huskie Head, Eye Screw	1715PF	1200	0"	3-1/2"	#2 Clear	760001E	14.5kA 15 1	52.0



1715EPP



17150066

HYDRAULIC GROUND SPIKE CLAMPS

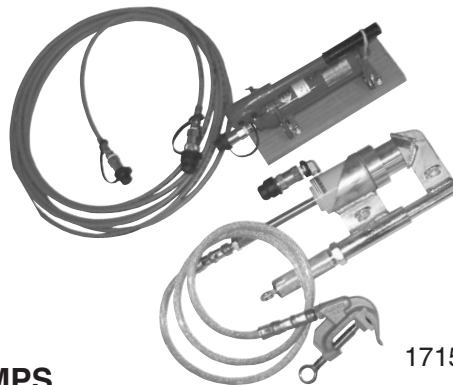
CAT. NO.	DESCRIPTION	PUMP		SPIKE DPTH	CNDCTR		CABLE ASSEMBLY		ASTM FAULT / DUTY CYCLES / GRADE	WGHT LB
		MDL	p.s.i.		MIN	MAX	CABLE	CLAMP CAT. NO.		
1715EPP	Spike Point w/ Eye Screw	1715PE	1200	1-5/8"	1"	3"	1/0 Clear	760001E	14.5kA 15 1	28.0
1715PFP	Spike Point w/ Eye Screw	1715PF	1200	1-5/8"	1"	3"	1/0 Clear	760001E	14.5kA 15 1	32.0
17150060EPP	Spike Point w/ Eye-T Screw	1715PE	1200	1-5/8"	1"	3"	1/0 Clear	760001E	14.5kA 15 1	28.0
17150060PFP	Spike Point w/ Eye-T Screw	1715PF	1200	1-5/8"	1"	3"	1/0 Clear	760001E	14.5kA 15 1	32.0

HYDRAULIC BLADE SPIKE CLAMPS

CAT. NO.	DESCRIPTION	PUMP		SPIKE DPTH	CNDCTR MAX	CABLE ASSEMBLY		ASTM FAULT / DUTY CYCLES / GRADE	WGHT LB
		MDL	p.s.i.			CABLE	CLAMP CAT. NO.		
17150063EPP	Spike Blade w/ Eye Screw	1715EP25	2500	3"	2 1/4"	1/0 Clear	760001E	14.5kA 15 1	30.0
17150063PFP	Spike Blade w/ Eye Screw	1715PF25	2500	3"	2 1/4"	1/0 Clear	760001E	14.5kA 15 1	34.0
17150066	Spike Blade w/ Eye Screw	1715P392	10000	6"	4 1/2"	1/0 Clear	760001E	14.5kA 15 1	85.0

HYDRAULIC SECTOR CABLE SPIKE BLADE

CAT. NO.	DESCRIPTION	PUMP		CNDCTR MAX	CABLE ASSEMBLY		ASTM FAULT / DUTY CYCLES / GRADE	WGHT LB
		MDL	p.s.i.		CABLE	CLAMP CAT. NO.		
17150065	Spike Blade w/ 2 Eye Screws	1715EP25	2500	5"	2/0 Clear	760001E	14.5kA 15 1	45.0



1715CS

SPECIAL GROUND SPIKE CLAMPS

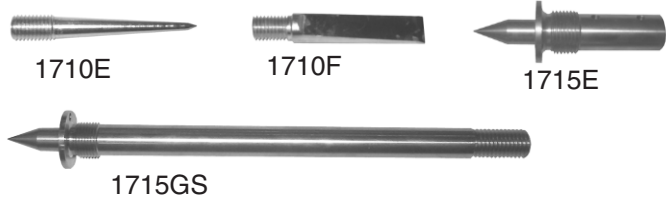
CAT. NO.	DESCRIPTION	PUMP		SPIKE DPTH	CNDCTR		CABLE ASSEMBLY		ASTM FAULT / DUTY CYCLES / GRADE	WGHT LB
		MDL	p.s.i.		MIN	MAX	CABLE	CLAMP CAT. NO.		
1715CS	Spike Point, Pump on Board	1715PF	1200	1-5/8"	1"	3"	1/0 Clear	760001E	14.5kA 15 1	32.0
1715CSGL	1715CS w/ Yellow Cable	1715PF	1200	1-5/8"	1"	3"	1/0 Yellow	760001E	14.5kA 15 1	32.0
1715SD	Spike Point, 1/4" Fittings	1715PFSD	1200	1-5/8"	1"	3"	1/0 Clear	760001E	14.5kA 15 1	32.0

ACCESSORIES FOR UNDERGROUND SPIKE TOOLS

CAT. NO. DESCRIPTION

Spikes, Blades and Tool Heads

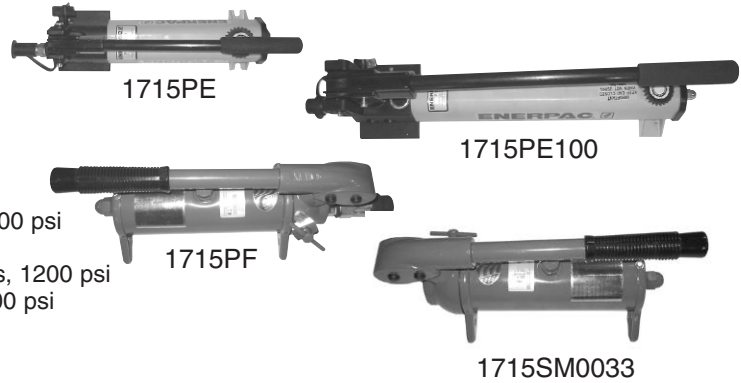
1710E	Spike Point Complete for 1710
1710F	Spike Blade Complete for 1710
1712E	Carbide Spike Point Only
1715E	Spike Point Complete for 1715
1715GS	Ground Shaft Complete for 1715 (includes shaft and spike point)
171550SP100A	Huskie Cutter Head Only



CAT. NO. DESCRIPTION

Hydraulic Pump Assemblies and Pumps

1715PE	Enerpac Pump w/ Fittings, 1200 psi
1715P142	Enerpac Pump Only, 1200 psi
1715PE25	Enerpac Pump w/ Fittings, 2500 psi
1715P14225	Enerpac Pump Only, 2500 psi
1715PE100	Enerpac Pump w/ Fittings, 10000 psi
1715P392	Enerpac Pump Only, 10000 psi
1715PF	Porter Ferguson Pump w/ Fittings, 1200 psi
1715SM0033	Porter Ferguson Pump Only, 1200 psi
1715PFSD	Porter Ferguson Pump w/ 1/4" Fittings, 1200 psi
1715PF25	Porter Ferguson Pump w/Fittings, 2500 psi
1715SM003325	Porter Ferguson Pump Only, 2500 psi



CAT. NO. DESCRIPTION

Hydraulic Hose Assemblies and Hoses

1715H	30' Non-conductive Hose w/ Fittings, 3000 psi
1715H1	30' Hose Only, 3000 psi
1715HSD	30' Non-conductive Hose w/ 1/4" Fittings, 3000 psi
1715HSD1	30' Hose Only, 3000 psi
17150066H	30' High Pressure Non-conductive Hose w/ Fittings, 10000 psi
17150066H1	30' High Pressure Hose Only, 10000 psi



1715H

CAT. NO. DESCRIPTION

Hydraulic Ram Assemblies and Rams

1715R	Enerpac Ram w/ Fittings, 1-5/8" Stroke
1715RCH121	Enerpac Ram Only, 1-5/8" Stroke
1715RSD	Enerpac Ram w/ 1/4" Fittings, 1-5/8" Stroke
17150063R	Enerpac Ram w/ Fittings, 3" Stroke
171561RCH123	Enerpac Ram Only, 3" Stroke
17150066R	Enerpac Ram w/ Fittings, 6" Stroke
1715RCH306	Enerpac Ram Only, 6" Stroke

CAT. NO. DESCRIPTION

Repair Kit

1715RBU403A	Hydraulic Pump Repair Kit
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B1715

CAT. NO. DESCRIPTION

Protective Bags

B1710	Bag for 1710	52" x 15" Yellow Vinyl Strap Tie Bag, 4 Tool Compartments, External Pocket
B1715	Bag for 1712, 1715, 17150060	20" x 14" x 5" Yellow Vinyl Zippered Bag, External Pocket, Strap Handles
B17150050	Bag for 17150050, 17150063	26" x 12" x 8" Yellow Vinyl Zippered Bag, External Pocket, Strap Handles
1370BF1	Storage Box for 17150066	44" x 12" x 15" Wooden Storage Box,



B17150050

PADMOUNT GROUNDING CLUSTER

CAT. NO.	FAULT CURRENT	WEIGHT
7664UG	Cluster Set	8 lbs (3.63 kg)

PARTS

7664C	Hot Tap Clamp with Grip All	6 oz (0.17 kg)
B7664	Protective Bag	1 lb (0.45 kg)

Designed for grounding de-energized conductors in padmount transformers. The cluster is made of No. 2 stranded cable with three 4-foot (1.22 m) leads for grounding the conductors, and one 4-foot (1.22 m) lead to attach to a ground rod or to the cabinet. The ground heads are equipped with grip alls for use with a "shotgun." This set is rated at 9.5 kA for 20 cycles. Protective bag is not included.

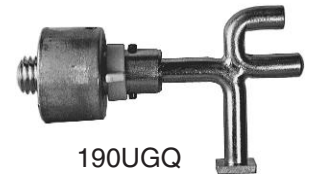


7664UG

PADMOUNT SWITCH HOOK

CAT. NO.	DESCRIPTION
190UGQ	With Quick Change
190UGU	With Universal

Designed to operate the secondary switch on a padmount transformer. Also used as a standard switch hook for cutouts. Weight - 1 lb (0.45 kg).



190UGQ

GRIP ALL WITH SOCKET

CAT. NO.	DESCRIPTION	WEIGHT
340259CS	With 1 ¹ / ₁₆ Socket	1 lb (0.45 kg)

The socket has spring-loaded ball bearings that will hold a 600 amp plug during installation or removal.



340259CS

BUSHING INSERT AND REMOVING TOOL

CAT. NO.
172200T

Installs and removes 15 kV through 35 kV loadbreak bushing inserts when de-energized. The strap of the tool wraps directly around the bushing in the direction designated to either loosen or tighten the insert, eliminating the need to tighten or loosen by hand. When using the tool to insert a bushing, care should be taken not to over-torque. Removal of silicone on the bushing surface is recommended before using this tool. Weight - 2 lbs (0.91 kg).

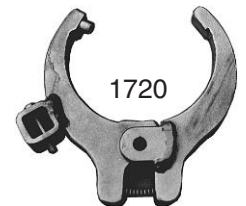
172200T



UNDERGROUND SPANNER WRENCH

CAT. NO.	DESCRIPTION
1720	For 600 AMP Connector

Designed for installing and removing the connector bushing, and reducing bushing inserts. Can be used when the conductor is de-energized, but not grounded. The tool is used one way for installation, and turned over for removal. A universal toggle and spring is used with this tool and should be ordered separately (Cat. No. 5900Q). Weight - 1 lb (0.45 kg).



1720

PLUG INSTALLING TOOL

CAT. NO.	DESCRIPTION
172300	1/2" (1.3 cm) Female Square Drive
172300Q	Quick Change

Used to install or remove 600 amp reducing plugs. Weight: 2 lbs (0.91 kg).

172300



FUSE HOLDER NX SAND TYPE

CAT. NO.	DESCRIPTION
1890Q	Quick Change
1890U	Universal
1891Q	Low Profile, Quick Change
1891U	Low Profile, Universal



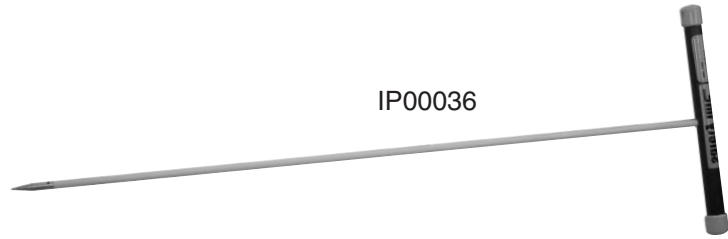
1890Q

Holds the NX loadbreak fuse when installing fuse in mounting bracket. Tool cocks spring loaded sleeve and closes fuse. Works as switch hook for opening or closing the loadbreak, and fits well on the two sizes of loadbreak fuses. No other tools required. Weight - 2 lbs (0.91 kg).

INSULATED PROBE

CAT. NO.	LENGTH	WEIGHT
IP00036	36" (91.4 cm)	2 lbs (0.91 kg)
IP00048	48" (122.0 cm)	3 lbs (1.36 kg)

Used to help locate underground objects.



**GROUND ADAPTER DEVICE KIT
NON-LOAD BREAK**

CAT. NO.	WEIGHT
76174459	15 lbs (6.80 kg)

EACH SET INCLUDES THE FOLLOWING:

CAT. NO.	DESCRIPTION	QTY	WEIGHT
44C	Ratchet Wrench with Ball and Ring	1	2 lbs (0.91 kg)
5900Q	Universal Toggle and Spring	1	1 lb (0.45 kg)
5900CS	Captured Socket with Friction Balls	1	8 oz (0.22 kg)



CAT. NO.	DESCRIPTION	QTY	WEIGHT
9206GAS	Elbow Connector Tool with Inserts	1	2 1/2 lbs (1.13 kg)
1725001	Ground Stud	3	2 1/2 lbs (1.13 kg)
B1715	Protective Bag with Zipper	1	1lb (0.45kg.)

Enables application of personal grounds up to a 600 amp separable pre-molded component system when used with a "shotgun."

UNDERGROUND GROUNDING STUDS

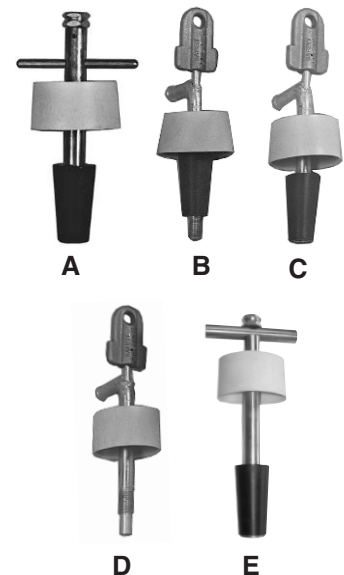
CAT. NO.	DESCRIPTION	THREADS	MATERIAL (STUD)	ASTM F855		WEIGHT	
				GRADE	FAULT DUTY	LB	KG
1725001	Copper Electrode, Female, Hex Drive, w/ Guide	5/8-11 (F)	Cu	1	17 kA	2.2	1.0
17250003	Steel Electrode, Male, Grip-All, w/ Guide	5/8-11 (M)	Steel	3	27 kA	2.0	0.9
17250004	Steel Electrode, Female, Grip-All, w/ Guide	5/8-11 (F)	Steel	3	27 kA	2.0	0.9
17250005	Steel Electrode, Male, Grip-All	3/4-10 (M)	Steel	3	27 kA	1.8	0.8
1735	Copper Electrode, Female, Hex Drive, w/ Guide	5/8-11 (F)	Cu	4	35 kA	3.5	1.6
5900CS	Captured Socket for 1725001 and 1735					0.4	0.2

The 1725 and 1735 grounding stud series for 600 Amp systems consist of a 10" (25.4 cm) long conductor stud with male or female threads for attachment to spade terminals. All grounding studs come with a highly visible, protective yellow cap that helps keep dirt out of the connector. After a cable has been proven de-energized, the stud is installed and a ground is applied to the cross bar.

The **1725001 (A)** grounding stud is made of 7/8" diameter copper with a 5/8-11 female thread on one end and a 1" (2.5 cm) hex drive on the other end. This stud is fitted with a tapered guide and a 3/8" diameter copper cross bar perch used for installing the ground. A socket drive is used for installation. For application, use catalog number 5900CS captured socket. The 1725001 grounding stud is rated for 17 kA withstand fault duty for 15 cycles.

The **17250003 (B)**, **17250004 (C)** and **17250005 (D)** are steel grounding plugs and studs with one 5/8" diameter perch. The perch has a sturdy lip to ensure clamp contact during faults. These models are supplied with grip-all attachments for application with insulated "shotgun" tools and connectors. See descriptions above to determine whether a tapered guide is included, stud thread sizes and types. These studs are used for grounding equipment such as non load-break connectors or power distribution connectors and are rated for 27 kA withstand fault duty for 15 cycles.

The **1735 (E)** grounding stud is made of 7/8" diameter copper with a 5/8-11 female thread on one end and a 1" (2.5 cm) hex drive on the other end for application with a socket drive. The cross bar perch is 3/4" diameter copper, providing heavy duty service. This ground plug also comes equipped with a tapered guide and the yellow protective cap. The 1735 grounding stud is rated for 35 kA withstand fault duty for 15 cycles.



200 AMP GROUNDED BUSHING SETS

The single bushing ground set is a single lead made from 6 feet (1.83 m) of 1/0 cable. The cluster bushing set consists of 3 bushing assemblies connected together with 3-foot (0.92 m) leads to a common connection, and 10 feet (3.05 m) from common connection to ground. The conductor is made of 1/0 clear jacketed copper stranded cable. The ground clamp (Cat. No. 7640001E) can be applied with a “shotgun.” Clusters come complete with bag (Cat. No. B766); single leads do not. All sets meet ASTM F-855 Grade 2 specifications. Other lengths and configurations are available.

DEAD BREAK

CAT. NO.	DESCRIPTION	WEIGHT
EB100615	Single, 15 kV	8 lbs (3.63 kg)
EB1021015	Cluster, 15 kV	20 lbs (9.30 kg)

LOAD BREAK

CAT. NO.	DESCRIPTION	WEIGHT
EB100615LB	Single, 15 kV	9 lbs (4.08 kg)
EB1021015LB	Cluster, 15 kV	22 lbs (9.98 kg)
EB100625LB	Single, 25 kV	10 lbs (4.53 kg)
EB1021025LB	Cluster, 25 kV	23 lbs (10.43 kg)



EB100615LB



EB100625LB

200 AMP GROUND BUSHINGS WITH CONNECTIONS

DEAD BREAK

CAT. NO.	DESCRIPTION	WEIGHT
764015SO	15 kV	1 lb (0.45 kg)

LOAD BREAK

CAT. NO.	DESCRIPTION	WEIGHT
764150015LSO	15 kV	2 lbs (0.91 kg)
764150025LSO	25 kV	4 lbs (1.81 kg)

764015SO

764150015LSO



Ground bushings (parking stands for ‘J’ boxes or padmounts) provide a safe, convenient ground for elbows and a “positive” test to ensure a de-energized elbow.

200 AMP ELBOW GROUNDING SETS

A single lead made from 6 feet (1.83 m) of 1/0 cable. Consists of 3 elbow assemblies connected together with 3-foot (0.92 m) leads to a common connection, and 10 feet (3.05 m) from common connection to ground. The conductor is made of 1/0 clear jacketed copper stranded cable. Ground clamp (Cat. No. 7640001E) can be applied with a “shotgun.” Sets are rated for a maximum fault current of 10,000 amps for 17 cycles. Clusters come complete with bag (Cat. No. B766); single leads do not. Other lengths and configurations are available.

DEAD BREAK

CAT. NO.	DESCRIPTION	WEIGHT
ES100615	Single, 15 kV	8 lbs (3.63 kg)
ES1021015	Cluster, 15 kV	20 lbs (9.30 kg)

LOAD BREAK

CAT. NO.	DESCRIPTION	WEIGHT
ES100615LB	Single, 15 kV	9 lbs (4.08 kg)
ES1021015LB	Cluster, 15 kV	22 lbs (9.98 kg)
ES100625LB	Single, 25/35 kV	10 lbs (4.53 kg)
ES1021025LB	Cluster, 25/35 kV	23 lbs (10.43 kg)



ES100615



ES100625lb

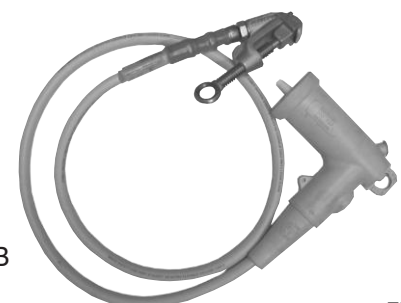
URD GROUNDING ASSEMBLY

Underground personal protective grounding elbow used for grounding pad-mounted equipment, switches and transformers when performing de-energized maintenance on URD distribution systems, and draining DC capacitive charges from de-energized URD cables.

LOAD BREAK

CAT. NO.	DESCRIPTION	WEIGHT
ES10Y615LB	Single, 15 kV	9 lbs (4.08 kg)
ES1Y21015LB	Cluster, 15 kV	22 lbs (9.98 kg)
ES10Y625LB	Single, 25 kV	10 lbs (4.53 kg)
ES1Y21025LB	Cluster, 25 kV	23 lbs (10.43 kg)

ES10Y615LB



**200 AMP GROUND ELBOW WITH CONNECTIONS
DEAD BREAK**

CAT. NO.	DESCRIPTION	WEIGHT
764015GE	15 kV	1 lb (0.45 kg)



LOAD BREAK

CAT. NO.	DESCRIPTION	WEIGHT
764150015LGE	15 kV	1 lb (0.45 kg)
764150025LGE	25/35 kV	2 lbs (0.91 kg)

764015GE

764150015LGE

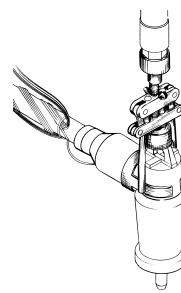
764150025LGE

May be used on single phase or three phase installations. Grounding sets come complete with extra flexible cable and connections. Elbows are rated for a maximum fault current of 10,000 amps for 17 cycles. All the clamps come with grip all eyes for use with "shotguns."

200 AMP ELBOW CONNECTOR TOOL

CAT. NO.	DESCRIPTION	WEIGHT
9202Q	Quick Change Fitting	2 lbs (0.91 kg)
9202U	Universal Fitting	2 lbs (0.91 kg)
9202GA	Grip-All Fitting	2 lbs (0.91 kg)

Designed to fit all the 15kV and 25 kV rated loadbreak and non-loadbreak elbows. The jaws are contoured to provide a positive grip and not interfere with the contact interface area, allowing the elbow to operate properly while connecting or disconnecting.



9202Q



600 AMP ELBOW CONNECTOR TOOL

CAT. NO.	DESCRIPTION	WEIGHT
9206Q	Quick Change	2 lbs (0.91 kg)
9206U	Universal	2 lbs (0.91 kg)
9206GA	Grip All	2 lbs (0.91 kg)
9206GAS	With Insert Pair for 200 AMP Elbows	2 lbs (0.91 kg)
9202I	Insert Pair	8 oz (0.22 kg)

Designed to fit the basic shielded elbow. Adjustable for operating with the large size conductors assembled in the elbow. The jaws can be set to operate vertically or set to operate at a 30° or 45° angle. Inside diameter is 3⁵/₈" (9.2 cm). The insert is a special configuration allowing the elbow connector tool to be used on smaller size elbows.



9202I



9206Q

INSULATED ELBOW REMOVER

CAT. NO.	DESCRIPTION	WEIGHT
9204HIP	4' (1.22 m) with Cat. No. 9202HQ	10 lbs (4.53 kg)
9206HIP	6' (1.83 m) with Cat. No. 9202HQ	11 lbs (4.99 kg)
9208HIP	8' (2.44 m) with Cat. No. 9202HQ	12 lbs (5.44 kg)

PARTS

CAT. NO.	DESCRIPTION	WEIGHT
9202HQ	Elbow Remover Head with Quick Change	2 lbs (0.91 kg)
9202HPQ	Impact Hammer with Quick Change	6 lbs (2.72 kg)
12524HH	Insulated Stick for 4' (1.22 m) Remover	2 lbs (0.91 kg)
12548HH	Insulated Stick for 6' (1.83 m) Remover	3 lbs (1.36 kg)
12572HH	Insulated Stick for 8' (2.44 m) Remover	4 lbs (1.81 kg)



9202HQ

The insulated elbow remover is used by inserting a hook in the loop on the back of any elbow while applying a hammering action. This tool can also be used to seal elbows when installing them. Other lengths available.



9206HIP



9202HPQ

CONCENTRIC NEUTRAL JUMPER ASSEMBLY

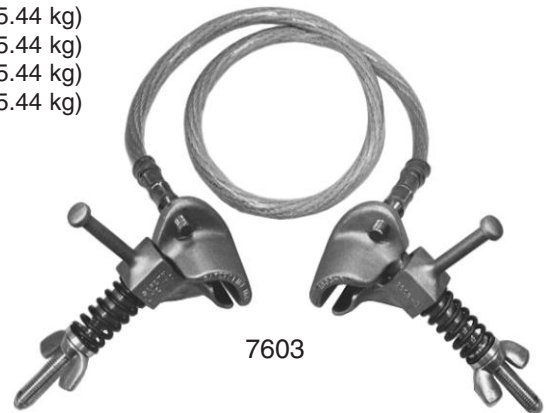
CAT. NO.	DESCRIPTION	FOR CABLE DIAMETER	WEIGHT
7603	Assembly	3/4" to 2" (1.9 - 5.1 cm)	12 lbs (5.44 kg)
7603GA	Grip All Assembly	3/4" to 2" (1.9 - 5.1 cm)	12 lbs (5.44 kg)
7604	Assembly	2" to 4" (5.1 - 10.2 cm)	12 lbs (5.44 kg)
7604GA	Grip All Assembly	2" to 4" (5.1 - 10.2 cm)	12 lbs (5.44 kg)

PARTS

CAT. NO.	DESCRIPTION	WEIGHT
7603C	Clamp with Wing Nut	4 lbs (1.81 kg)
7603CGA	Clamp with Grip All	4 lbs (1.81 kg)
7604C	Clamp with Wing Nut	4 lbs (1.81 kg)
7604CGA	Clamp with Grip All	4 lbs (1.81 kg)

BAG

CAT. NO.	DESCRIPTION	WEIGHT
B1715	Protective Bag	1 lb (0.45 kg)



Used for bonding purposes on non-jacketed cable. It is usually installed across a portion of cable to be cut, repaired, or spliced. The assembly is left in place until the concentric neutral is spliced. As a safety precaution, follow all of your organization's applicable rules and/or policies pertaining to faulted cable, spiking, and grounding.

Made with two ground clamps and 4 feet (1.22 m) of 1/0 clear jacketed extra flexible copper cable. The concentric neutral ground clamp is spring pressured. The assemblies have a fault duty of 17 kA and meet ASTM F-855 grade 2 specifications. Other lengths are available. Bag not included.

15 KV UNDERGROUND DEAD BREAK GROUND SET

LOCAL LOOP

CAT. NO.	DESCRIPTION	WEIGHT
764156STGESO	Full Assembly with Bag	21 lbs (9.52 kg)

The URD deadbreak components provide safe and simple grounding methods on padmount transformers or any related URD equipment. These grounds can be ordered in complete sets or individual components. The jumpers are made with 6 foot (1.83 m) lengths of #2, clear-jacketed, extra flexible cable. Clamps (Cat. No. 7640001E) supplied include an eye for a grip-all insulating stick application.



ASSEMBLY INCLUDES:

CAT. NO.	QTY	DESCRIPTION	WEIGHT
764156234H	3	Ground Jumper, 6' (1.83 m)	6 lbs (2.72 kg)
764000ST	3	Ground Stud for Low Profile Transformer	1 lb (0.45 kg)
764015GE	3	15 kV Ground Elbow	1 lb (0.45 kg)
764015S0	3	15 kV Ground Standoff with Spring Bail	1 lb (0.45 kg)
B1715	1	Protective Bag	2 lbs (0.91 kg)



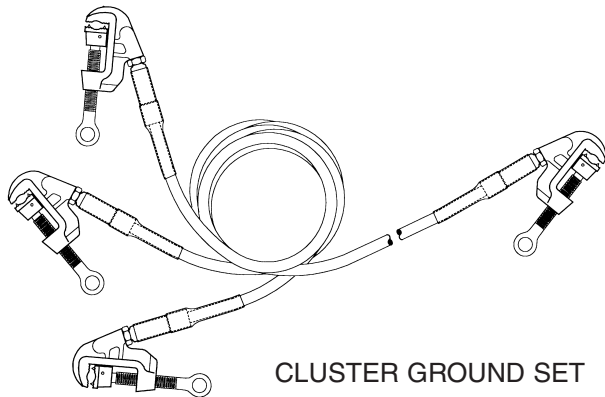
TEMPORARY GROUNDS

We can build a temporary grounding system that meets your specific application. Along with the standard ground sets shown throughout this catalog, we manufacture custom grounds suitable for distribution, transmission, substation, underground, and industrial use.

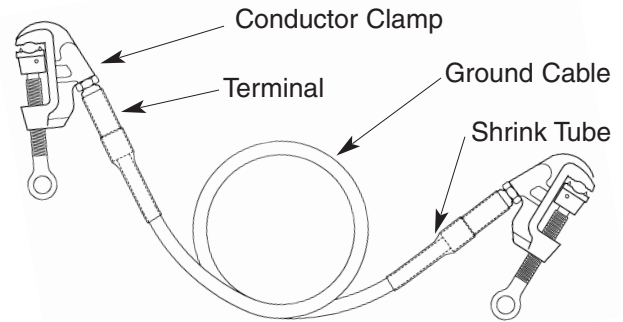
All components meet ASTM F-855 specifications and have been time-proven in the field. Test data available on request.

To design a grounding system, please give us the following information:

1. Application (single lead, cluster, etc.)
2. Conductor size (minimum and maximum)
3. Maximum fault current (amperes) and duration (cycles)
4. Distance between conductor and ground
5. Options (shrink tube, parking studs, etc.)



CLUSTER GROUND SET

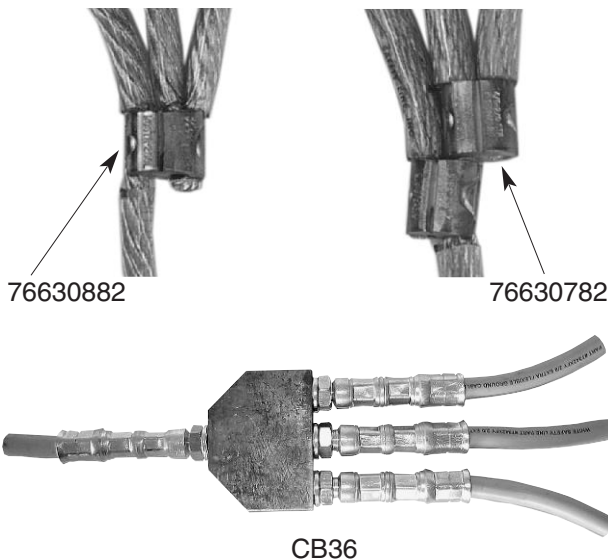


SINGLE LEAD GROUND SET

CLUSTER CONNECTORS FOR CLUSTER GROUNDS

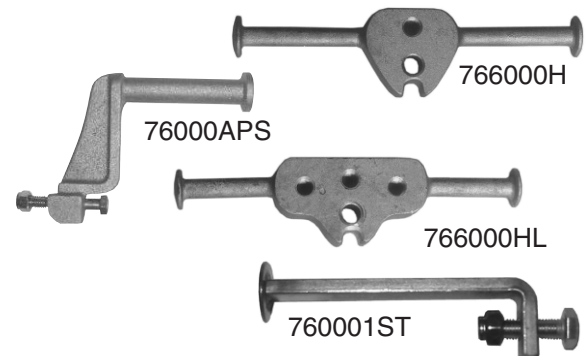
CAT. NO.	DESCRIPTION	QTY REQD	WEIGHT
76630882	Squeeze-on for #2 Cable	1	4 oz (112 g)
76630782	Squeeze-on for 1/0 - 4/0 Cable	2	4 oz (112 g)
CB36	4-Way Cluster Block, Cu	1	3 lbs (1.36 kg)
CA36	4-Way Cluster Block, Al	1	2 lbs (0.9 kg)

Cluster connectors are used to create a common connection between the conductor leads and the ground lead of a cluster ground.



PARKING STUDS

Parking studs provide a temporary location to attach ground clamps when raising or lowering multiple ground leads



CAT. NO.	DESCRIPTION	WEIGHT
760001ST	Single Stud	3 oz (84 g)
76000APS	Single Stud	3 oz (84 g)
766000H	Double Stud for 1 Lead	8 oz (224 g)
766000HL	Double Stud for 3 Leads	8 oz (224 g)

SHRINK TUBE

FOR TERMINAL CONNECTION STRAIN RELIEF

CAT. NO.	DESCRIPTION	WEIGHT
731ST	3" (7.6 cm) for Non-shrouded Terminals	3 oz (84 g)
761ST	6" (15.2 cm) for Shrouded Terminals	6 oz (168 g)

Shrink tube for terminal connection strain relief fits #2 through 4/0 terminals and ground cable.

GROUNDING CABLE



CLASS K EXTRA FLEXIBLE COPPER GROUND CABLE

All extra flexible grounding cable is manufactured to the latest ASTM F855 specifications

Conductor		Jacket					ASTM F855	Fault Duty 15 Cycles	Weight per	
Size	Typ. O.D.	Typ. O.D.	CLEAR	YELLOW	BLACK	ORANGE			Foot	Meter
AWG	inch	inch	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Grade	kA	lb	kg
#10	0.11	0.25	73310XF	N/A	N/A	N/A	N/A	N/A	0.06	0.09
#6	0.21	0.37	7336XF	N/A	N/A	N/A	N/A	3.5	0.13	0.19
#2	0.33	0.50	7340XF	7340XFY	7340XFB	N/A	1	14.0	0.29	0.43
1/0	0.45	0.64	7341XF	7341XFY	7341XFB	N/A	2	21.0	0.52	0.77
2/0	0.47	0.66	7342XF	7342XFY	7342XFB	7342XFO	3	27.0	0.54	0.80
4/0	0.63	0.84	7343XF	7343XFY	7343XFB	7343XFO	5	43.0	0.84	1.25

INSULATED JUMPER CABLE

INSULATED, NON-SHIELDED, STRANDED, SINGLE CONDUCTOR COPPER

Conductor			Voltage Range	Ampacity Rating	Insulator Material	Jacket			Weight per	
Size	# Strands	O.D.				Material	Color	O.D.	Foot	Meter
AWG		inch	kV	Amps				inch	lb	kg
#2	259	0.330	15	195	EPR	NBR/PVC	Red	0.87	0.50	0.74
1/0	259	0.420	15	260	EPR	NBR/PVC	Red	0.96	0.66	0.98
2/0	259	0.474	15	300	EPR	NBR/PVC	Red	1.01	0.76	1.13
4/0	259	0.540	15	400	EPR	NBR/PVC	Red	1.13	1.08	1.61
1/0	427	0.475	25	250	EPR	EPR	Orange	1.00	0.80	1.19
2/0	427	0.580	25	300	EPR	EPR	Orange	1.10	0.91	1.36

CABLE TERMINALS

Threaded Terminals: Recommended torque applied during installation of jam nut for threaded terminals is **20 ft.-lb.**

Pin Terminals: Recommended torque applied during installation of pin terminal eye bolts is **28 ft.-lb.**

Threaded terminals include one brass jam nut (Cat. #760001JN) and one lock washer (Cat. #760001LW).



7600011CT41



7600011CT41T



7600011CT42



7600011PT42

COPPER, SHROUDED

Cndctr Size	Terminal Style	CAT.NO.		Stud Size	Body Die	# Crimps	Shroud Die	# Crimps	Length Stripped
		COPPER	TIN PLATED COPPER						
AWG #2	Threaded	760001CT40	760001CT40T	5/8-11	U27RT	2	U27ART	1	inch 1-5/8
1/0	Threaded	7600011CT41	7600011CT41T	5/8-11	T&B 66	2	B75-AH	1	1-15/16
2/0	Threaded	7600011CT42	7600011CT42T	5/8-11	T&B 66	2	B75-AH	1	2
4/0	Threaded	76CT43	76CT43T	5/8-11	T&B 66	2	B75-AH	1	2
#2	Pin	760001PT40	760001PT40T	11/16	U27RT	2	U27ART	1	1-5/8
1/0	Pin	7600011PT41	7600011PT41T	11/16	T&B 66	2	B75-AH	1	1-15/16
2/0	Pin	7600011PT42	7600011PT42T	11/16	T&B 66	2	B75-AH	1	2
4/0	Pin	76PT43	76PT43T	11/16	T&B 66	2	B75-AH	1	2

CABLE TERMINALS (cont.)

ALUMINUM, SHROUDED								
Cndctr Size	Terminal Style	CAT.NO. ALUMINUM	Stud Size	Body Die	# Crimps	Shroud Die	# Crimps	Length Stripped
AWG #2	Threaded	760001AT40	5/8-11	U27RT	2	U27ART	1	inch 1-5/8
1/0	Threaded	7600011AT41	5/8-11	T&B 66	2	B75-AH	1	1-15/16
2/0	Threaded	7600011AT42	5/8-11	T&B 66	2	B75-AH	1	2
4/0	Threaded	76AT43	5/8-11	T&B 66	2	B75-AH	1	2
#2	Pin	760001PA40	11/16	U27RT	2	U27ART	1	1-5/8
1/0	Pin	7600011PA41	11/16	T&B 66	2	B75-AH	1	1-15/16
2/0	Pin	7600011PA42	11/16	T&B 66	2	B75-AH	1	2
4/0	Pin	76PA43	11/16	T&B 66	2	B75-AH	1	2



98132023



98132023P

COPPER, NON-SHROUDED							
Cndctr Size	Terminal Style	CAT.NO.		Stud Size	Body Die	# Crimps	Length Stripped
		COPPER	TIN PLATED COPPER				
AWG #2	Threaded	98132022	98132022T	5/8-11	U243	2	inch 1-5/16
1/0	Threaded	98132023	98132023T	5/8-11	U243	2	1-5/16
2/0	Threaded	98132024	98132024T	5/8-11	T&B 60	2	1-5/16
4/0	Threaded	98132025	98132025T	5/8-11	T&B 62	2	1-5/16
#2	Pin	98132022P	98132022PT	11/16	U243	2	1-5/16
1/0	Pin	98132023P	98132023PT	11/16	U243	2	1-5/16
2/0	Pin	98132024P	98132024PT	11/16	T&B 60	2	1-5/16
4/0	Pin	98132025P	98132025PT	11/16	T&B 62	2	1-5/16

ALUMINUM, NON-SHROUDED						
Cndctr Size	Terminal Style	CAT.NO. ALUMINUM	Stud Size	Body Die	# Crimps	Length Stripped
AWG #2	Threaded	98132A22	5/8-11	U243	2	inch 1-5/16
1/0	Threaded	98132A23	5/8-11	U243	2	1-5/16
2/0	Threaded	98132A24	5/8-11	T&B 60	2	1-5/16
4/0	Threaded	98132A25	5/8-11	T&B 62	2	1-5/16
#2	Pin	98132A22P	11/16	U243	2	1-5/16
1/0	Pin	98132A23P	11/16	U243	2	1-5/16
2/0	Pin	98132A24P	11/16	T&B 60	2	1-5/16
4/0	Pin	98132A25P	11/16	T&B 62	2	1-5/16



7640001B



7640001EB



7640001PG



7640001RT



7640001T



7640001TB

SMALL “C” CLAMPS

CAT. NO.	Clamp			CLAMP OPENING		Minimum		Maximum		Weight		ASTM	
	Mat	Jaw	Term Style	Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm	
7640001B	AL	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
7640001E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
7640001EB	AL	Smooth	Threaded	Eye	BR	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
7640001PG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
7640001Q	AL	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
7640001RT	AL	Smooth	Threaded	Removable T	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
7640001T	AL	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
7640001TB	AL	Smooth	Threaded	T-Handle	BR	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
7640CM1B	BR	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	A 7
7640CM1E	BR	Smooth	Threaded	Eye	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	A 7
7640CM1Q	BR	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	A 7
7640CM1RT	BR	Smooth	Threaded	Removable T	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	A 7
7640CM1T	BR	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	A 7
76400S1B	AL	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	B 7
76400S1E	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	B 7
76400S1EB	AL	Serrated	Threaded	Eye	BR	#6, 3/16	5	3/4	19	1.0	0.45	5	B 7
76400S1PG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	3/4	19	1.0	0.45	5	B 7
76400S1Q	AL	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	B 7
76400S1RT	AL	Serrated	Threaded	Removable T	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	B 7
76400S1T	AL	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	B 7
76400S1TB	AL	Serrated	Threaded	T-Handle	BR	#6, 3/16	5	3/4	19	1.0	0.45	5	B 7
7640CMS1B	BR	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	B 7
7640CMS1E	BR	Serrated	Threaded	Eye	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	B 7
7640CMS1Q	BR	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	B 7
7640CMS1R	BR	Serrated	Threaded	Removable T	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	B 7
7640CMS1T	BR	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	3/4	19	3.0	1.40	5	B 7

SPECIAL SMALL “C” CLAMP: Jaw Milled Flat

7640001CCE	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	3/4	19	1.0	0.45	5	A 7
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AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



7510E



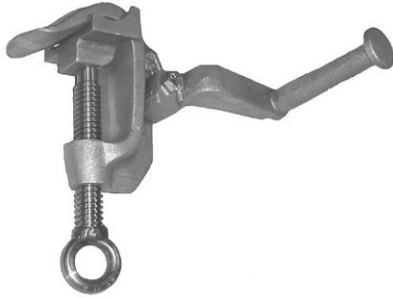
760001E



760001T

“C” CLAMPS

CAT. NO.	CLAMP OPENING			Screw Type	Mat.	Minimum		Maximum		Weight		ASTM Grade/Class/Trm
	Mat	Jaw	Term Style			inch	mm	inch	mm	Lb	Kg	
7511B	AL	Smooth	Pin	Bayonet	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7511E	AL	Smooth	Pin	Eye	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7511EB	AL	Smooth	Pin	Eye	BR	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7511PG	AL	Smooth	Pin	Posigrip	BR	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7511Q	AL	Smooth	Pin	Quick Change	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7511RT	AL	Smooth	Pin	Removable T	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7511T	AL	Smooth	Pin	T-Handle	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7511TB	AL	Smooth	Pin	T-Handle	BR	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7510B	AL	Serrated	Pin	Bayonet	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7510E	AL	Serrated	Pin	Eye	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7510EB	AL	Serrated	Pin	Eye	BR	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7510PG	AL	Serrated	Pin	Posigrip	BR	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7510Q	AL	Serrated	Pin	Quick Change	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7510RT	AL	Serrated	Pin	Removable T	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7510T	AL	Serrated	Pin	T-Handle	SS	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
7510TB	AL	Serrated	Pin	T-Handle	BR	#6, 3/16	5	1-1/4	32	2.0	0.91	5 A 1
760001B	AL	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 A 7
760001E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 A 7
760001EB	AL	Smooth	Threaded	Eye	BR	#6, 3/16	5	1-1/4	32	1.0	0.45	5 A 7
760001PG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-1/4	32	1.0	0.45	5 A 7
760001Q	AL	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 A 7
760001RT	AL	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 A 7
760001T	AL	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 A 7
760001TB	AL	Smooth	Threaded	T-Handle	BR	#6, 3/16	5	1-1/4	32	1.0	0.45	5 A 7
760CM1B	BR	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 A 7
760CM1E	BR	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 A 7
760CM1Q	BR	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 A 7
760CM1RT	BR	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 A 7
760CM1T	BR	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 A 7
7600S1B	AL	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 B 7
7600S1E	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 B 7
7600S1EB	AL	Serrated	Threaded	Eye	BR	#6, 3/16	5	1-1/4	32	1.0	0.45	5 B 7
7600S1PG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-1/4	32	1.0	0.45	5 B 7
7600S1Q	AL	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 B 7
7600S1RT	AL	Serrated	Threaded	Removable T	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 B 7
7600S1T	AL	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	1-1/4	32	1.0	0.45	5 B 7
7600S1TB	AL	Serrated	Threaded	T-Handle	BR	#6, 3/16	5	1-1/4	32	1.0	0.45	5 B 7
76CMS1B	BR	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 B 7
76CMS1E	BR	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 B 7
76CMS1Q	BR	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 B 7
76CMS1RT	BR	Serrated	Threaded	Removable T	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 B 7
76CMS1TB	BR	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	1-1/4	32	3.3	1.50	5 B 7



760001PSE



7512B



7660001E

“C” CLAMPS with ALUMINUM PARKING STAND

CAT. NO.	Clamp			CLAMP OPENING		Minimum		Maximum		Weight		ASTM		
	Mat	Jaw	Term Style	Screw Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm		
760001PSB	AL	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
760001PSE	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
760001PSEB	AL	Smooth	Threaded	Eye	BR	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
760001PSPG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
760001PSQ	AL	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
760001PSRT	AL	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
760001PST	AL	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
760001PSTB	AL	Smooth	Threaded	T-Handle	BR	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
7600S1PSB	AL	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	B	7
7600S1PSE	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	B	7
7600S1PSEB	AL	Serrated	Threaded	Eye	BR	#6, 3/16	5	1-1/4	32	1.3	0.59	5	B	7
7600S1PSPG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-1/4	32	1.3	0.59	5	B	7
7600S1PSQ	AL	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	B	7
7600S1PSRT	AL	Serrated	Threaded	Removable T	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	B	7
760081PST	AL	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	B	7
7600S1PSTB	AL	Serrated	Threaded	T-Handle	BR	#6, 3/16	5	1-1/4	32	1.3	0.59	5	B	7

“C” CLAMP with STEEL PARKING STAND

760001CS	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-1/4	32	1.3	0.59	5	A	7
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LARGE “C” CLAMPS

CAT. NO.	Clamp			CLAMP OPENING		Minimum		Maximum		Weight		ASTM		
	Mat	Jaw	Term Style	Screw Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm		
7512B	AL	Smooth	Pin/Thread	Bayonet	SS	3/0, 1/2	13	2-1/2	64	4.0	1.82	5	A	1, 7
7512E	AL	Smooth	Pin/Thread	Eye	SS	3/0, 1/2	13	2-1/2	64	4.0	1.82	5	A	1, 7
7512Q	AL	Smooth	Pin/Thread	Quick Change	SS	3/0, 1/2	13	2-1/2	64	4.0	1.82	5	A	1, 7
7512T	AL	Smooth	Pin/Thread	T-Handle	SS	3/0, 1/2	13	2-1/2	64	4.0	1.82	5	A	1, 7
7660001B	AL	Smooth	Threaded	Bayonet	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	A	7
7660001E	AL	Smooth	Threaded	Eye	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	A	7
7660001PG	AL	Smooth	Threaded	Posigrip	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	A	7
7660001Q	AL	Smooth	Threaded	Quick Change	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	A	7
7660001T	AL	Smooth	Threaded	T-Handle	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	A	7
76600S1B	AL	Serrated	Threaded	Bayonet	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	B	7
76600S1E	AL	Serrated	Threaded	Eye	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	B	7
76600S1PG	AL	Serrated	Threaded	Posigrip	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	B	7
76600S1Q	AL	Serrated	Threaded	Quick Change	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	B	7
76600S1T	AL	Serrated	Threaded	T-Handle	SS	#4, 1/4	6	2-1/8	54	2.0	0.91	5	B	7

AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



761E



760006PG



767PSE

SMALL SNAP-ON CLAMPS

CAT. NO.	Mat	Clamp		CLAMP OPENING		Minimum		Maximum		Weight		ASTM	
		Jaw	Term Style	Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm	
761E	AL	Smooth	Pin	Eye	SS	#6, 3/16	5	1-1/8	29	1.3	0.59	3	A 1
767E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-1/8	29	1.4	0.63	3	A 7

SNAP-ON CLAMPS

760006E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	3.0	1.36	5	A 7
760006PG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	A 7
7600S6E	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	3.0	1.36	5	B 7
7600S6PG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	B 7
760106E	AL	Smooth	Pin	Eye	SS	#6, 3/16	5	1-5/8	41	3.0	1.36	5	A 1
760106PG	AL	Smooth	Pin	Posigrip	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	A 1
7601S6E	AL	Serrated	Pin	Eye	SS	#6, 3/16	5	1-5/8	41	3.0	1.36	5	B 1
7601S6PG	AL	Serrated	Pin	Posigrip	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	B 1

SNAP-ON CLAMPS with ALUMINUM PARKING STAND

767PSE	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-5/8	29	1.6	0.73	3	A 7
760006PSE	AL	Smooth	Threaded	Eye	SSB	#6, 3/16	5	1-5/8	41	3.0	1.36	5	A 7
760006PSPG	AL	Smooth	Threaded	Posigrip	R	#6, 3/16	5	1-5/8	41	3.0	1.36	5	A 7
7600S6PSE	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	3.0	1.36	5	B 7
7600S6PG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	B 7

SNAP-ON CLAMPS with FINE THREAD SCREW

761006EB	AL	Smooth	Threaded	Eye	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	A 7
7610S6EB	AL	Serrated	Threaded	Eye	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	B 7
761106EB	AL	Smooth	Pin	Eye	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	A 1
7611S6EB	AL	Serrated	Pin	Eye	BR	#6, 3/16	5	1-5/8	41	3.0	1.36	5	B 1

SMALL SNAP-OPEN CLAMP

CAT. NO.	Mat	Clamp		CLAMP OPENING		Minimum		Maximum		Weight		ASTM	
		Jaw	Term Style	Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm	
768E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1 1/8	29	1.4	0.63	3	A 7

AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



760002EB



760003RT



760003TB

FLAT FACE CLAMPS

CAT. NO.	Mat	Clamp		Clamp Opening		Minimum		Maximum		Weight		ASTM	
		Jaw	Term Style	Type	Screw Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm	
760002B	AL	Serrated	Pin	Bayonet	SS	#6, 3/16	5	1-3/8	35	1.0	0.45	5	B 1
760002E	AL	Serrated	Pin	Eye	SS	#6, 3/16	5	1-3/8	35	1.0	0.45	5	B 1
760002EB	AL	Serrated	Pin	Eye	BR	#6, 3/16	5	1-3/8	35	1.0	0.45	5	B 1
760002PG	AL	Serrated	Pin	Posigrip	BR	#6, 3/16	5	1-3/8	35	1.0	0.45	5	B 1
760002Q	AL	Serrated	Pin	Quick Change	SS	#6, 3/16	5	1-3/8	35	1.0	0.45	5	B 1
760002RT	AL	Serrated	Pin	Removable T	SS	#6, 3/16	5	1-3/8	35	1.0	0.45	5	B 1
760002T	AL	Serrated	Pin	T-Handle	SS	#6, 3/16	5	1-3/8	35	1.0	0.45	5	B 1
760002TB	AL	Serrated	Pin	T-Handle	BR	#6, 3/16	5	1-3/8	35	1.0	0.45	5	B 1
760CM2B	BR	Serrated	Pin	Bayonet	SS	#6, 3/16	5	1-3/8	35	3.3	1.50	5	B 1
760CM2E	BR	Serrated	Pin	Eye	SS	#6, 3/16	5	1-3/8	35	3.3	1.50	5	B 1
760CM2Q	BR	Serrated	Pin	Quick Change	SS	#6, 3/16	5	1-3/8	35	3.3	1.50	5	B 1
760CM2RT	BR	Serrated	Pin	Removable T	SS	#6, 3/16	5	1-3/8	35	3.3	1.50	5	B 1
760CM2T	BR	Serrated	Pin	T-Handle	SS	#6, 3/16	5	1-3/8	35	3.3	1.50	5	B 1
760003B	AL	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	1-1/2	38	1.2	0.54	5	B 7
760003E	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-1/2	38	1.2	0.54	5	B 7
760003EB	AL	Serrated	Threaded	Eye	BR	#6, 3/16	5	1-1/2	38	1.2	0.54	5	B 7
760003PG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-1/2	38	1.2	0.54	5	B 7
760003Q	AL	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	1-1/2	38	1.2	0.54	5	B 7
760003RT	AL	Serrated	Threaded	Removable T	SS	#6, 3/16	5	1-1/2	38	1.2	0.54	5	B 7
760003T	AL	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	1-1/2	38	1.2	0.54	5	B 7
760003TB	AL	Serrated	Threaded	T-Handle	BR	#6, 3/16	5	1-1/2	38	1.2	0.54	5	B 7
760CM3B	BR	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	1-1/2	38	3.2	1.40	5	B 7
760CM3E	BR	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-1/2	36	3.2	1.40	5	B 7
760CM3Q	BR	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	1-1/2	38	3.2	1.40	5	B 7
760CM3RT	BR	Serrated	Threaded	Removable T	SS	#6, 3/16	5	1-1/2	38	3.2	1.40	5	B 7
760CM3T	BR	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	1-1/2	38	3.2	1.40	5	B 7

SPECIAL FLAT FACE CLAMPS - FLAT JAW

761003B	AL	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-5/8	41	1.2	0.54	5	A 7
761003E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	1.2	0.54	5	A 7
761003EB	AL	Smooth	Threaded	Eye	BR	#6, 3/16	5	1-5/8	41	1.2	0.54	5	A 7
761003PG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	1.2	0.54	5	A 7
761003Q	AL	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-5/8	41	1.2	0.54	5	A 7
761003RT	AL	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-5/8	41	1.2	0.54	5	A 7
761003T	AL	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-5/8	41	1.2	0.54	5	A 7
761003TB	AL	Smooth	Threaded	T-Handle	BR	#6, 3/16	5	1-5/8	41	1.2	0.54	5	A 7

AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



7310Q



73065E



R101DE

LARGE SUBSTATION BUS CLAMPS

CAT. NO.	Mat	Clamp		Clamp Opening		Minimum		Maximum		Weight		ASTM		
		Jaw	Term Style	Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm		
7310B	AL	Smooth	Pin	Bayonet	SS	3/0, 1/2	13	4-1/2	114	4.0	1.82	5	A	1
7310E	AL	Smooth	Pin	Eye	SS	3/0, 1/2	13	4-1/2	114	4.0	1.82	5	A	1
7310Q	AL	Smooth	Pin	Quick Change	SS	3/0, 1/2	13	4-1/2	114	4.0	1.82	5	A	1
7310T	AL	Smooth	Pin	T-Handle	SS	3/0, 1/2	13	4-1/2	114	4.0	1.82	5	A	1
7311B	AL	Smooth	Threaded	Bayonet	SS	3/0, 1/2	13	4-1/2	114	4.0	1.82	5	A	7
7311E	AL	Smooth	Threaded	Eye	SS	3/0, 1/2	13	4-1/2	114	4.0	1.82	5	A	7
7311Q	AL	Smooth	Threaded	Quick Change	SS	3/0, 1/2	13	4-1/2	114	4.0	1.82	5	A	7
7311T	AL	Smooth	Threaded	T-Handle	SS	3/0, 1/2	13	4-1/2	114	4.0	1.82	5	A	7
73045B	AL	Smooth	Threaded	Bayonet	SS	3/4	19	5	127	5.0	2.27	5	A	7
73045E	AL	Smooth	Threaded	Eye	SS	3/4	19	5	127	5.0	2.27	5	A	7
73045PG	AL	Smooth	Threaded	Posigrip	BR	3/4	19	5	127	5.0	2.27	5	A	7
73045Q	AL	Smooth	Threaded	Quick Change	SS	3/4	19	5	127	5.0	2.27	5	A	7
73045T	AL	Smooth	Threaded	T-Handle	SS	3/4	19	5	127	5.0	2.27	5	A	7
73145B	AL	Smooth	Pin	Bayonet	SS	3/4	19	5	127	5.5	2.50	5	A	1
73145E	AL	Smooth	Pin	Eye	SS	3/4	19	5	127	5.5	2.50	5	A	1
73145PG	AL	Smooth	Pin	Posigrip	BR	3/4	19	5	127	5.5	2.50	5	A	1
73145Q	AL	Smooth	Pin	Quick Change	SS	3/4	19	5	127	5.5	2.50	5	A	1
73145T	AL	Smooth	Pin	T-Handle	SS	3/4	19	5	127	5.5	2.50	5	A	1
R100DB	AL	Serrated	Pin	Bayonet	SS	1/0, 3/8	10	6	152	4.0	1.82	5	B	1
R100DE	AL	Serrated	Pin	Eye	SS	1/0, 3/8	10	6	152	4.0	1.82	5	B	1
R100DQ	AL	Serrated	Pin	Quick Change	SS	1/0, 3/8	10	6	152	4.0	1.82	5	B	1
R100DT	AL	Serrated	Pin	T-Handle	SS	1/0, 3/8	10	6	152	4.0	1.82	5	B	1
R101DB	AL	Serrated	Threaded	Bayonet	SS	1/0, 3/8	10	6	152	4.0	1.82	5	B	7
R101DE	AL	Serrated	Threaded	Eye	SS	1/0, 3/8	10	6	152	4.0	1.82	5	B	7
R101DQ	AL	Serrated	Threaded	Quick Change	SS	1/0, 3/8	10	6	152	4.0	1.82	5	B	7
R101DT	AL	Serrated	Threaded	T-Handle	SS	1/0, 3/8	10	6	152	4.0	1.82	5	B	7
73065B	AL	Smooth	Threaded	Bayonet	SS	3/8	10	7	177	6.7	3.00	5	B	7
73065E	AL	Smooth	Threaded	Eye	SS	3/8	10	7	177	6.7	3.00	5	B	7
73065PG	AL	Smooth	Threaded	Posigrip	BR	3/8	10	7	177	6.7	3.00	5	B	7
73065Q	AL	Smooth	Threaded	Quick Change	SS	3/8	10	7	177	6.7	3.00	5	B	7
73065T	AL	Smooth	Threaded	T-Handle	SS	3/8	10	7	177	6.7	3.00	5	A	7

LARGE SUBSTATION BUS CLAMPS with COPPER PARKING STAND

73045PSB	AL	Smooth	Threaded	Bayonet	SS	3/4	19	5	127	5.0	2.27	5	A	7
73045PSE	AL	Smooth	Threaded	Eye	SS	3/4	19	5	127	5.0	2.27	5	A	7
73045PSPG	AL	Smooth	Threaded	Posigrip	BR	3/4	19	5	127	5.0	2.27	5	A	7
73045PSQ	AL	Smooth	Threaded	Quick Change	SS	3/4	19	5	127	5.0	2.27	5	A	7
73045PST	AL	Smooth	Threaded	T-Handle	SS	3/4	19	5	127	5.0	2.27	5	A	7
73145PSB	AL	Smooth	Pin	Bayonet	SS	3/4	19	5	127	5.5	2.50	5	A	1
73145PSE	AL	Smooth	Pin	Eye	SS	3/4	19	5	127	5.5	2.50	5	A	1
73145PSPG	AL	Smooth	Pin	Posigrip	BR	3/4	19	5	127	5.5	2.50	5	A	1
73145PSQ	AL	Smooth	Pin	Quick Change	SS	3/4	19	5	127	5.5	2.50	5	A	1
73145PST	AL	Smooth	Pin	T-Handle	SS	3/4	19	5	127	5.5	2.50	5	A	1



7315PG



73025T



7314T



7320T

ALL ANGLE CLAMPS

CAT. NO.	Mat	Clamp		CLAMP OPENING		Minimum		Maximum		Weight		ASTM	
		Jaw	Term Style	Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm	
7315B	AL	Serrated	Threaded	Bayonet	SS	1/4	6	2.5	63	4.3	2.00	5	B 7
7315E	AL	Serrated	Threaded	Eye	SS	1/4	6	2.5	63	4.3	2.00	5	B 7
7315PG	AL	Serrated	Threaded	Posigrip	BR	1/4	6	2.5	63	4.3	2.00	5	B 7
7315Q	AL	Serrated	Threaded	Quick Change	SS	1/4	6	2.5	63	4.3	2.00	5	B 7
7315T	AL	Serrated	Threaded	T-Handle	SS	1/4	6	2.5	63	4.3	2.00	5	B 7

TOWER ANGLE CLAMPS

73025B	AL	Smooth	Threaded	Bayonet	SS	#1, 5/16	8	1-5/8	41	2.5	1.14	5	A 7
73025E	AL	Smooth	Threaded	Eye	SS	#1, 5/16	8	1-5/8	41	2.5	1.14	5	A 7
73025Q	AL	Smooth	Threaded	Quick Change	SS	#1, 5/16	8	1-5/8	41	2.5	1.14	5	A 7
73025T	AL	Smooth	Threaded	T-Handle	SS	#1, 5/16	8	1-5/8	41	2.5	1.14	5	A 7
7304B	AL	Smooth	Threaded	Bayonet	SS	1/4	6	15/16	24	3.3	1.50	5	A 7
7304E	AL	Smooth	Threaded	Eye	SS	1/4	6	15/16	24	3.3	1.50	5	A 7
7304Q	AL	Smooth	Threaded	Quick Change	SS	1/4	6	15/16	24	3.3	1.50	5	A 7
7304T	AL	Smooth	Threaded	T-Handle	SS	1/4	6	15/16	24	3.3	1.50	5	A 7
7314B	AL	Smooth	Pin	Bayonet	SS	1/4	6	15/16	24	3.3	1.50	5	A 1
7314E	AL	Smooth	Pin	Eye	SS	1/4	6	15/16	24	3.3	1.50	5	A 1
7314Q	AL	Smooth	Pin	Quick Change	SS	1/4	6	15/16	24	3.3	1.50	5	A 1
7314T	AL	Smooth	Pin	T-Handle	SS	1/4	6	15/16	24	3.3	1.50	5	A 1
7320SB	AL	Smooth	Pin	Bayonet	SS	1/0, 3/8	10	2-1/2	64	5.0	2.27	5	A 1
7320SE	AL	Smooth	Pin	Eye	SS	1/0, 3/8	10	2-1/2	64	5.0	2.27	5	A 1
7320SQ	AL	Smooth	Pin	Quick Change	SS	1/0, 3/8	10	2-1/2	64	5.0	2.27	5	A 1
7320ST	AL	Smooth	Pin	T-Handle	SS	1/0, 3/8	10	2-1/2	64	5.0	2.27	5	A 1

LARGE TOWER ANGLE CLAMPS

7320B	AL	Smooth	Pin	Bayonet	SS	1/0, 3/8	10	5-3/4	146	5.0	2.27	5	A 1
7320E	AL	Smooth	Pin	Eye	SS	1/0, 3/8	10	5-3/4	146	5.0	2.27	5	A 1
7320Q	AL	Smooth	Pin	Quick Change	SS	1/0, 3/8	10	5-3/4	146	5.0	2.27	5	A 1
7320T	AL	Smooth	Pin	T-Handle	SS	1/0, 3/8	10	5-3/4	146	5.0	2.27	5	A 1

LARGE TOWER ANGLE CLAMP with SPIKE POINT

7320PGA	AL	Smooth	Pin	Grip All	SS	N/A	N/A	2-1/2	64	5.0	2.27	5	A 1
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LARGE TOWER ANGLE CLAMP with SPIKE BLADE

7320BLGA	AL	Smooth	Pin	Grip All	SS	N/A	N/A	2-1/2	64	5.0	2.27	5	A 1
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AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



7575FTE



7575FTGA



7575FEST

BUS BAR ALLIGATOR CLAMPS

CAT. NO.	Mat	Clamp		CLAMP OPENING		Minimum		Maximum		Weight		ASTM	
		Jaw	Term Style	Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm	
7500FB	BR	Smooth	Pin	Bayonet	SS	#4,15/64	6	1/2	13	1.0	0.45	2	A 1
7500FE	BR	Smooth	Pin	Eye	SS	#4,15/64	6	1/2	13	1.0	0.45	2	A 1
7500FEST	BR	Smooth	Pin	Eye-T	SS	#4,15/64	6	1/2	13	1.0	0.45	2	A 1
7500FT	BR	Smooth	Pin	T-Handle	SS	#4,15/64	6	1/2	13	1.0	0.45	2	A 1
7575FB	BR	Smooth	Threaded	Bayonet	SS	#4,15/64	6	1/2	13	2.0	0.91	2	A 7
7575FE	BR	Smooth	Threaded	Eye	SS	#4,15/64	6	1/2	13	2.0	0.91	2	A 7
7575FEST	BR	Smooth	Threaded	Eye-T	SS	#4,15/64	6	1/2	13	2.0	0.91	2	A 7
7575FGA	BR	Smooth	Threaded	Grip All	SS	#4,15/64	6	1/2	13	2.0	0.91	2	A 7
7575FT	BR	Smooth	Threaded	T-Handle	SS	#4,15/64	6	1/2	13	2.0	0.91	2	A 7

BUS BAR ALLIGATOR CLAMPS with TEETH

7500FTB	BR	Serrated	Pin	Bayonet	SS	#4,15/64	6	1/2	13	1.0	0.45	2	B 1
7500FTE	BR	Serrated	Pin	Eye	SS	#4,15/64	6	1/2	13	1.0	0.45	2	B 1
7500FTEST	BR	Serrated	Pin	Eye-T	SS	#4,15/64	6	1/2	13	1.0	0.45	2	B 1
7500FTT	BR	Serrated	Pin	T-Handle	SS	#4,15/64	6	1/2	13	1.0	0.45	2	B 1
7575FTB	BR	Serrated	Threaded	Bayonet	SS	#4,15/64	6	1/2	13	2.0	0.91	2	B 7
7575FTE	BR	Serrated	Threaded	Eye	SS	#4,15/64	6	1/2	13	2.0	0.91	2	B 7
7575FTEST	BR	Serrated	Threaded	Eye-T	SS	#4,15/64	6	1/2	13	2.0	0.91	2	B 7
7575FTGA	BR	Serrated	Threaded	Grip All	SS	#4,15/64	6	1/2	13	2.0	0.91	2	B 7
7575FTT	BR	Serrated	Threaded	T-Handle	SS	#4,15/64	6	1/2	13	2.0	0.91	2	B 7

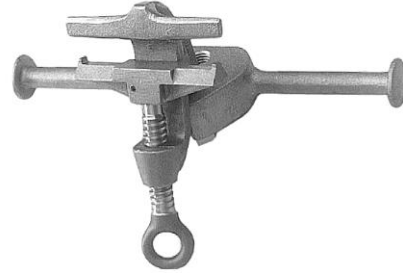
BUS BAR ALLIGATOR CLAMPS with ALUMINUM PARKING STAND

7575FPSB	BR	Smooth	Threaded	Bayonet	SS	#4,15/64	6	1/2	13	2.0	1.00	2	A 7
7575FPSE	BR	Smooth	Threaded	Eye	SS	#4,15/64	6	1/2	13	2.0	1.00	2	A 7
7575FPSEST	BR	Smooth	Threaded	Eye-T	SS	#4,15/64	6	1/2	13	2.0	1.00	2	A 7
7575PSGA	BR	Smooth	Threaded	Grip All	SS	#4,15/64	6	1/2	13	2.0	1.00	2	A 7
7575FPST	BR	Smooth	Threaded	T-Handle	SS	#4,15/64	6	1/2	13	2.0	1.00	2	A 7

AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



7541T



7640002PSE

BUS BAR CLAMPS

CAT. NO.	Mat	Clamp		CLAMP OPENING		Minimum		Maximum		Weight		ASTM		
		Jaw	Term Style	Screw Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm		
7541B	AL	Serrated	Threaded	Bayonet	SS	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	7
7541E	AL	Serrated	Threaded	Eye	SS	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	7
7541PG	AL	Serrated	Threaded	Posigrip	BR	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	7
7541Q	AL	Serrated	Threaded	Quick Change	SS	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	7
7541T	AL	Serrated	Threaded	T-Handle	SS	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	7
7542B	AL	Serrated	Pin	Bayonet	SS	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	1
7542E	AL	Serrated	Pin	Eye	SS	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	1
7542PG	AL	Serrated	Pin	Posigrip	BR	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	1
7542Q	AL	Serrated	Pin	Quick Change	SS	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	1
7542T	AL	Serrated	Pin	T-Handle	SS	#1, 5/16	8	4-3/8	111	2.0	0.91	5	B	1

CUTOUT CLAMPS

7640002B	AL	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-5/8	41	1.0	0.45	3	A	7
7640002E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	1.0	0.45	3	A	7
7640002EB	AL	Smooth	Threaded	Eye	BR	#6, 3/16	5	1-5/8	41	1.0	0.45	3	A	7
7640002PG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	1.0	0.45	3	A	7
7640002Q	AL	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-5/8	41	1.0	0.45	3	A	7
7640002RT	AL	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-5/8	41	1.0	0.45	3	A	7
7640002T	AL	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-5/8	41	1.0	0.45	3	A	7
7640002TB	AL	Smooth	Threaded	T-Handle	BR	#6, 3/16	5	1-5/8	41	1.0	0.45	3	A	7
7640CM2B	BR	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-5/8	41	2.0	0.91	3	A	7
7640CM2E	BR	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	2.0	0.91	3	A	7
7640CM2Q	BR	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-5/8	41	2.0	0.91	3	A	7
7640CM2RT	BR	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-5/8	41	2.0	0.91	3	A	7
7640CM2T	BR	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-5/8	41	2.0	0.91	3	A	7

CUTOUT CLAMPS with ALUMINUM DOUBLE PARKING STAND

7640002PSB	AL	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-5/8	41	1.2	0.50	3	A	7
7640002PSE	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	1.2	0.50	3	A	7
7640002PSEB	AL	Smooth	Threaded	Eye	BR	#6, 3/16	5	1-5/8	41	1.2	0.50	3	A	7
7640002PSPG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	1.2	0.50	3	A	7
7640002PSQ	AL	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-5/8	41	1.2	0.50	3	A	7
7640002PSRT	AL	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-5/8	41	1.2	0.50	3	A	7
7640002PST	AL	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-5/8	41	1.2	0.50	3	A	7
7640002PSTB	AL	Smooth	Threaded	T-Handle	BR	#6, 3/16	5	1-5/8	41	1.2	0.50	3	A	7

AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



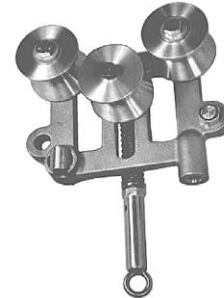
7542CM1EB



7560



7561A



78000

BALL SOCKET CLAMPS

CAT. NO.	Mat	Clamp		CLAMP OPENING		Minimum		Maximum		Weight		ASTM	
		Jaw	Term Style	Screw Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm	
7542CM1B	BR	Smooth	Threaded	Bayonet	SS	Fits 1" (2.5 cm)	Ball Stud			1.5	0.68	5	A 7
7542CM1E	BR	Smooth	Threaded	Eye	SS	Fits 1" (2.5 cm)	Ball Stud			1.5	0.68	5	A 7
7542CM1EB	BR	Smooth	Threaded	Eye	BR	Fits 1" (2.5 cm)	Ball Stud			1.5	0.68	5	A 7
7542CM1PG	BR	Smooth	Threaded	Posigrip	BR	Fits 1" (2.5 cm)	Ball Stud			1.5	0.68	5	A 7
7542CM1T	BR	Smooth	Threaded	T-Handle	SS	Fits 1" (2.5 cm)	Ball Stud			1.5	0.68	5	A 7
7542CM2B	BR	Smooth	Pin	Bayonet	SS	Fits 1" (2.5 cm)	Ball Stud			1.9	0.86	5	A 1
7542CM2E	BR	Smooth	Pin	Eye	SS	Fits 1" (2.5 cm)	Ball Stud			1.9	0.86	5	A 1
7542CM2EB	BR	Smooth	Pin	Eye	BR	Fits 1" (2.5 cm)	Ball Stud			1.9	0.86	5	A 1
7542CM2PG	BR	Smooth	Pin	Posigrip	BR	Fits 1" (2.5 cm)	Ball Stud			1.9	0.86	5	A 1
7542CM2T	BR	Smooth	Pin	T-Handle	SS	Fits 1" (2.5 cm)	Ball Stud			1.9	0.86	5	A 1

RUNNING RAIL CLAMP

7560	AL	Serrated	Pin	Toggle Handle	SS	5	127	5-3/4	146	5.0	2.27	5	B 1
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POWER RAIL CLAMPS

7561A	AL	Serrated	Pin	Bayonet	SS	0	0	4	102	7.0	3.17	5	B 1
7561B	AL	Serrated	Threaded	Bayonet	SS	0	0	4	102	7.0	3.17	5	B 7

TRAVELING GROUND CLAMP

78000	AL	Smooth	Pin/Thread	Eye	SS	#8, 1/8	3	1-5/8	41	10.0	4.54	3	A 1,7
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AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



760SRS1E

“C” CLAMPS with STRAIN RELIEF

CAT. NO.	Mat	CLAMP OPENING		Screw Type	Mat.	Minimum		Maximum		Weight		ASTM Grade/Class/Trm
		Jaw	Term Style			inch	mm	inch	mm	Lb	Kg	
760SR1B	AL	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-1/2	38	1.6	0.75	5 A 7
760SR1E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-1/2	38	1.6	0.75	5 A 7
760SR1EB	AL	Smooth	Threaded	Eye	BR	#6, 3/16	5	1-1/2	38	1.6	0.75	5 A 7
760SR1PG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-1/2	38	1.6	0.75	5 A 7
760SR1Q	AL	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-1/2	38	1.6	0.75	5 A 7
760SR1RT	AL	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-1/2	38	1.6	0.75	5 A 7
760SR1T	AL	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-1/2	38	1.6	0.75	5 A 7
760SR1TB	AL	Smooth	Threaded	T-Handle	BR	#6, 3/16	5	1-1/2	38	1.6	0.75	5 A 7
760CMSR1B	BR	Smooth	Threaded	Bayonet	SS	#6, 3/16	5	1-1/2	38	5.0	2.27	5 A 7
760CMSR1E	BR	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-1/2	38	5.0	2.27	5 A 7
760CMSR1Q	BR	Smooth	Threaded	Quick Change	SS	#6, 3/16	5	1-1/2	38	5.0	2.27	5 A 7
760CMSR1RT	BR	Smooth	Threaded	Removable T	SS	#6, 3/16	5	1-1/2	38	5.0	2.27	5 A 7
760CMSR1T	BR	Smooth	Threaded	T-Handle	SS	#6, 3/16	5	1-1/2	38	5.0	2.27	5 A 7
760SRS1B	AL	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	1-1/2	38	5.0	2.27	5 A 7
760SRS1E	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-1/2	38	5.0	2.27	5 A 7
760SRS1EB	AL	Serrated	Threaded	Eye	BR	#6, 3/16	5	1-1/2	38	5.0	2.27	5 A 7
760SRS1PG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-1/2	38	1.6	0.75	5 B 7
760SRS1Q	AL	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	1-1/2	38	1.6	0.75	5 B 7
760SRS1RT	AL	Serrated	Threaded	Removable T	SS	#6, 3/16	5	1-1/2	38	1.6	0.75	5 B 7
760SRS1T	AL	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	1-1/2	38	1.6	0.75	5 B 7
760SRS1TB	AL	Serrated	Threaded	T-Handle	BR	#6, 3/16	5	1-1/2	38	1.6	0.75	5 B 7

AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel



760SR6E



760SR3E

SNAP-ON CLAMPS with STRAIN RELIEF

CAT. NO.	Mat	Clamp		CLAMP OPENING		Minimum		Maximum		Weight		ASTM	
		Jaw	Term Style	Screw Type	Mat.	inch	mm	inch	mm	Lb	Kg	Grade/Class/Trm	
760SR6E	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	2.2	1.00	5	A 7
760SR6PG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	2.2	1.00	5	A 7
760SRS6E	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	2.2	1.00	5	B 7
760SRS6PG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	2.2	1.00	5	B 7

SNAP-ON CLAMPS with STRAIN RELIEF and ALUMINUM PARKING STAND

760SR6PSE	AL	Smooth	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	2.5	1.14	5	A 7
760SR6PSPG	AL	Smooth	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	2.5	1.14	5	A 7
760SRS6PSE	AL	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-5/8	41	2.5	1.14	5	B 7
760SRS6PSPG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-5/8	41	2.5	1.14	5	B 7

FLAT FACE CLAMPS with STRAIN RELIEF

760SR3B	AL	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	1-3/8	35	1.5	0.68	5	B 7
760SR3E	AL	Serrateh	Threaded	Eye	SS	#6, 3/16	5	1-3/8	35	1.5	0.68	5	B 7
760SR3EB	AL	Serrated	Threaded	Eye	BR	#6, 3/16	5	1-3/8	35	1.5	0.68	5	B 7
760SR3PG	AL	Serrated	Threaded	Posigrip	BR	#6, 3/16	5	1-3/8	35	1.5	0.68	5	B 7
760SR3Q	AL	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	1-3/8	35	1.5	0.68	5	B 7
760SR3RT	AL	Serrated	Threaded	Removable T	SS	#6, 3/16	5	1-3/8	35	1.5	0.68	5	B 7
760SR3T	AL	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	1-3/8	35	1.5	0.68	5	B 7
760SR3TB	AL	Serrated	Threaded	T-Handle	BR	#6, 3/16	5	1-3/8	35	1.5	0.68	5	B 7
760CMSR3B	BR	Serrated	Threaded	Bayonet	SS	#6, 3/16	5	1-3/8	35	4.5	2.00	5	B 7
760CMSR3E	BR	Serrated	Threaded	Eye	SS	#6, 3/16	5	1-3/8	35	4.5	2.00	5	B 7
760CMSR3Q	BR	Serrated	Threaded	Quick Change	SS	#6, 3/16	5	1-3/8	35	4.5	2.00	5	B 7
760CMSR3RT	BR	Serrated	Threaded	Removable T	SS	#6, 3/16	5	1-3/8	35	4.5	2.00	5	B 7
760CMSR3T	BR	Serrated	Threaded	T-Handle	SS	#6, 3/16	5	1-3/8	35	4.5	2.00	5	B 7

AL: Aluminum, BR: Silicon Bronze, SS: Stainless Steel

RUNNING POWER RAIL GROUND SET

CAT. NO.	WEIGHT
7561	15 lbs (6.80 kg)

Made up of Cat. No. 7561A power rail clamp and Cat. No. 7560 running rail clamp connected with three feet (91.4 cm) of 4/0 PVC-jacketed copper cable, class K. Set includes one Cat. No. 10024BC, 1" x 24" (2.5 x 61 cm) fiberglass handle with bayonet to operate the power rail clamp. Meets ASTM F-855 Grade 5 specifications.

“T” HANDLE ADAPTER

CAT. NO.	WEIGHT
760001HDL	1/2 lb (0.21 kg)



The “T” handle adapter allows the user to quickly and easily change a grip all screw into a “T” handle screw.

ADAPTERS

CAT. NO.	DESCRIPTION	WEIGHT
7300ABC	Pin to Threaded Adapter	1/2 lb (0.21 kg)
7310G	Eye Bolt Assembly	1/2 lb (0.21 kg)
7300AET	Pin to Threaded Adapter	1/2 lb (0.21 kg)

7300ABC



7310G



7300AET



Use on any pin type ground clamps. Meets ASTM F-855 Grade 5 specifications. Maximum fault duty: 43 kA for 15 cycles.

TRUCK GROUNDING REEL

CAT. NO.	CABLE LENGTH	CABLE SIZE	FAULT DUTY 15 CYCLES	ASTM F-855 GRADE	WEIGHT
SPRING REWIND, 760001E CLAMP					
HSCR0240	40' (12.2 m)	#2	14.5 kA	1	39 lbs (17.7 kg)
HSCR0250	50' (15.2 m)	#2	14.5 kA	1	42 lbs (19.0 kg)
HSCR1040	40' (12.2 m)	1/0	21 kA	2	48 lbs (21.7 kg)
HSCR1050	50' (15.2 m)	1/0	21 kA	2	53 lbs (24.0 kg)
HAND REWIND, 760001E CLAMP					
HCR0240	40' (12.2 m)	#2	14.5 kA	1	36 lbs (16.3 kg)
HCR0250	50' (15.2 m)	#2	14.5 kA	1	39 lbs (17.7 kg)
HCR1040	40' (12.2 m)	1/0	21 kA	2	46 lbs (20.8 kg)
HCR1050	50' (15.2 m)	1/0	21 kA	2	51 lbs (23.1 kg)
REELS WITHOUT CABLE					
CAT. NO.	DESCRIPTION	FAULT DUTY 15 CYCLES	ASTM F-855 GRADE	WEIGHT	
HSCR1	Reel only, spring rewind	21 kA	2	27 lbs (12.2 kg)	
HCR1	Reel only, hand rewind	21 kA	2	25 lbs (11.3 kg)	
HC1	Reel storage only, hand rewind	N/A	N/A	26 lbs (11.8 kg)	



HSCR1

Designed to provide a secure and efficient way to ground trucks and equipment when working on or near energized lines. Bolt-down design allows easy removal of reels for installation on vehicles. Heavy duty construction for rugged field use. Independently tested to 14.5 kA for 30 cycles. Reels with factory installed cable include 6-foot equal gauge, frame bonding jumper. Other end must be attached to frame of vehicle.

NOTE:

- Model HSCR1, with spring rewind, will store and operate with a maximum of 60 feet (18.3 m) of #2 cable and 50 feet (15.2 m) of 1/0 cable.
- Reel models HCR1 and HC1 will store a maximum length of 150 feet (45.8 m) of #2 cable and 85 feet (25.9 m) of 1/0 cable.
- To order factory installed cable of lengths different than shown above, give reel model number and length of cable required. Lengths should not exceed maximum operating and storage capacities.
- The use of 2/0 and 4/0 cable is not recommended since the fault duty rating of these cables exceeds that of the truck grounding reel.

SCREW TYPE GROUND ROD

CAT. NO.	DESCRIPTION	WEIGHT
766SGR	Screw Ground Rod	8 lbs (3.63 kg)



The 6-foot (1.83 m) screw ground rod provides a temporary ground when a system ground is not available. The reusable ground rod is copper clad. The helix (spiral), handle, and wing nut are bronze.

FUSED DISCHARGE HOOK

CAT. NO.	DESCRIPTION	WEIGHT
1930535415Q	Fused Discharge Hook	10 lbs (4.53 kg)



Used to drain capacitive voltage. The probe is first used to make contact, then the hook can be used to make direct contact bypassing the fuse. The fuse gives added protection in case initial contact is accidentally made on energized equipment. Fuse is rated at 8 kV maximum, 6 amperes continuous.

FOR DISCHARGE ONLY. DO NOT USE AS LIVE LINE TOOL OR GROUNDING DEVICE.

DISCHARGE HOOK

CAT. NO.	GROUND LEAD LENGTH	WEIGHT
1925	5' (1.52 m)	2 lbs (0.91 kg)
19257	7' (2.13 m)	2 1/2 lbs (1.13 kg)
19258	8' (2.44 m)	3 lbs (1.36 kg)
192510	10' (3.05 m)	4 1/2 lbs (2.04 kg)
192520	20' (6.10 m)	5 lbs (2.27 kg)



PARTS

CAT. NO.	DESCRIPTION	WEIGHT
1925SSMC	Mounting Clip, Stainless Steel	3 oz (84 g)
1925MC	Mounting Clip	3 oz (84 g)
1925DMC	Mounting Clip with Hardware	4 oz (112 g)

FOR DISCHARGE ONLY. DO NOT USE AS LIVE LINE TOOL OR GROUNDING DEVICE.

A special discharging device used to de-energize capacitors and other voltage retaining components before maintenance work is performed. Mounting clip (Cat. No. 1925MC) is included. Standard handle length is 2 feet (0.61 m). Other cable and handle lengths are available.

RESISTIVE DISCHARGE HOOKS / PROBES
INCLUDES RESISTOR

CAT. NO.	HANDLE LENGTH	GROUND LEAD LENGTH	WEIGHT
19250005	23" (0.58 m)	5' (1.52 m)	2 lbs (0.91 kg)
19250007	5' (1.52 m)	7' (2.13 m)	4 lbs (1.81 kg)



These use Cat. No. 19250005R resistors.

PARTS

CAT. NO.	DESCRIPTION	WEIGHT
1925MC	Mounting Clip	3 oz (84 g)
1925DMC	Mounting Clip with Hardware	4 oz (112 g)

FOR DISCHARGE ONLY. DO NOT USE AS LIVE LINE TOOL OR GROUNDING DEVICE.

RESISTORS CAT. NO.	PEAK ENERGY (JOULES)	DIAMETER	OUTSIDE LENGTH	WEIGHT
19250005R	13,000	1" (2.5 cm)	6" (15.2 cm)	6 oz (168 g)
19251026AS37	37,000	1 1/2" (3.8 cm)	6" (15.2 cm)	7 oz (196 g)
19251028AS46	46,000	1 1/2" (3.8 cm)	8" (20.3 cm)	9 oz (252 g)
19251032AS75	75,000	1 1/2" (3.8 cm)	12" (30.5 cm)	12 oz (336 g)
19251038AS119	119,000	1 1/2" (3.8 cm)	18" (45.7 cm)	1 lb (0.45 kg)
19251044AS164	164,000	1 1/2" (3.8 cm)	24" (61.0 cm)	1 1/2 lb (0.68 kg)

Hooks and probes with resistors help eliminate initial surge current. Second hook bypasses resistors for residual discharge. Resistive discharge hooks and probes use #6 flexible copper, clear-jacketed cable, a hand guard, hook or probe, and a 1" (2.5 cm) diameter fiberglass insulating handle. The handle complies with ASTM F-711. All come with a clear PVC cover to protect resistors from damage from bumps and knocks. Not all resistors fit all hooks. Please note resistor's outside diameter and length. Mounting clip (Cat. No. 1925MC) is included. Other lengths and configurations are available.

BALL STUDS AND GROUND KNOBS

Ball Studs and Ground Knobs are for mounting to an existing bus when the shape or location prohibits mounting a clamp directly on the bus. Other variations are available.



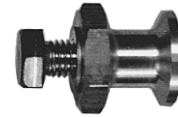
7542121BS



7542905BST



7542PHS



7542K



75421236

COMMON BALL STUDS

CAT. NO.	Description	Material	Threads	Thread Lngth inch	Shank Lngth inch	ASTM F855		Weight	
						Fault Duty 15 cycles	Grade	oz	g
7542121BS	Straight Ball Stud	Copper	1/2-13	2.12	1	43 kA	5	9	16
7542121BST	Straight Ball Stud	Tin-Plated Copper	1/2-13	2.12	1	43 kA	5	9	16
75423851BS	Straight Ball Stud	Copper	3/8-16	2.12	1	27 kA	3	9	16
75423851BST	Straight Ball Stud	Tin-Plated Copper	3/8-16	2.12	1	27 kA	3	9	16
7542123BS	Straight Ball Stud	Copper	1/2-13	2.12	3	43 kA	5	13	23
7542123BST	Straight Ball Stud	Tin-Plated Copper	1/2-13	2.12	3	43 kA	5	13	23
7542125BS	Straight Ball Stud	Copper	1/2-13	2.12	5.5	43 kA	5	16	28
7542125BST	Straight Ball Stud	Tin-Plated Copper	1/2-13	2.12	5.5	43 kA	5	16	28
7542385BS	Straight Ball Stud	Copper	3/8-16	2.12	5.5	27 kA	3	16	28
7542385BST	Straight Ball Stud	Tin-Plated Copper	3/8-16	2.12	5.5	27 kA	3	16	28

SPECIAL BALL STUDS

CAT. NO.	Description	Material	Threads	Thread Lngth inch	Shank Lngth inch	ASTM F855		Weight	
						Fault Duty 15 cycles	Grade	oz	g
7542121BSM	Straight, Metric Thread	Copper	12mm-1.75	2.12	1	43 kA	5	9	16
7542905BS	90° Ball Stud	Copper	1/2-13	2.12	5.5	27 kA	3	20	35
7542905BST	90° Ball Stud	Tin-Plated Copper	1/2-13	2.12	5.5	27 kA	3	20	35
7542PHS	Pothead Stud, Spade	Brass	N/A	N/A	0.88	21 kA	2	14	25
7542001BSF	Female Ball Stud	Brass	1/2-13	1.5	1	21 kA	2	14	25

GROUND KNOBS

CAT. NO.	Description	Material	Threads	Thread Lngth inch	Shank Lngth inch	ASTM F855		Weight	
						Fault Duty 15 cycles	Grade	oz	g
7542K	3/4" Ground Knob	Brass	1/2-13	1	0.75	27 kA	3	6	11
7542K3412	3/4" Ground Knob	Brass	1/2-13	1	2	27 kA	3	9	16

BALL STUD AND GROUND KNOB COVERS

CAT. NO.	Description	Material	Length inch	ID inch	Weight	
					oz	g
75421236	Ball Stud Cover, Flexible	Orange Rubber	3	1	1.3	2
7542001BSC	Ball Stud Cover, Rigid	Gray PVC	4.38	1	3.3	6
7542001BSD	Ball Stud Cover, Rigid, Special	Gray PVC	4.63	1.13	3.3	6
7542KC	Top Ground Knob Cover, Rigid	Black PVC	3.25	1.46	2.5	4

BALL SOCKET CLUSTER SETS

CAT. NO.	CABLE SIZE	FAULT DUTY 15 CYCLES	ASTM F-855 GRADE	WEIGHT
75420010236	#2	14.5 kA	1	9 lbs (4.08 kg)
75420011036	1/0	21 kA	2	12 lbs (5.44 kg)
75420012036	2/0	27 kA	3	14 lbs (6.35 kg)



75420010236

Designed for close space, three-phase grounding. It is supplied with three-foot leads and six feet of cable from common to ground. Upper heads are ball socket clamps (Cat. No. 7542CM1E). Lower ground head is standard "C" type ground head (Cat. No. 760001E) with a range of #6 to 1 1/4" (32 mm). Ball studs needed but not included. Bag (Cat. No. B766) is included.

GROUND CLUSTER SETS

CAT. NO.	DESCRIPTION	CABLE SIZE	FAULT DUTY 15 CYCLES	ASTM F-855 GRADE	WEIGHT
766FG	Ground Cluster	#2	14.5 kA	1	42 lbs (19.0 kg)
7661FG	Ground Cluster	1/0	21 kA	2	43 lbs (19.5 kg)

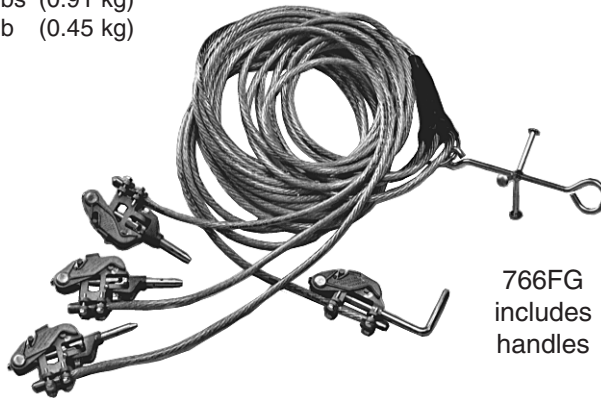
PARTS

CAT. NO.	DESCRIPTION	WEIGHT
10078BC	1" (2.5 cm) x 6'6" (1.98 m) Fiberglass Handle	2 lbs (0.91 kg)
98	Upper Ground Head	3 lbs (1.36 kg)
78	Lower Ground Head	2 lbs (0.91 kg)
B766	Bag for Ground Cluster	2 lbs (0.91 kg)
B1006	Bag for Handles	1 lb (0.45 kg)

10078BC

STANDARD CLUSTER INCLUDES:

QTY	DESCRIPTION
3	Upper Heads
1	Lower Head
1	Leather, Lace and Lifting Ring
74	Cable only with 8 foot leads to common connection, and 50' from common connection to ground connection
3	6'6" (1.98 m) Fiberglass Handles
1	Bag for Handles
1	Bag for Ground Set



766FG includes handles

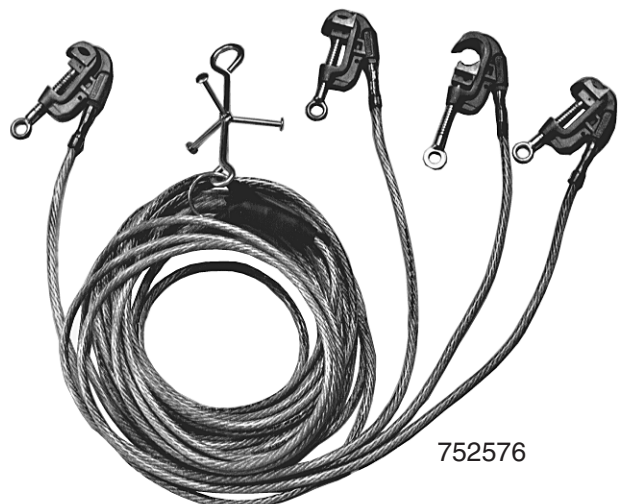
The three upper heads are easily and safely attached to the line with the fiberglass handles. The ground heads have a maximum opening of 1³/₄" (4.4 cm) and can be applied to angle irons, flat busses as well as on line wires. A tight, four-point contact is made with the quick adjusting screw. The handles are easily removed when necessary. The lifting fixture provides ease when raising and lowering the set, and eliminates hanging the entire ground cluster's weight on the conductor. Other lengths and configurations available.



GROUNDING CLUSTERS

CAT. NO.	DESCRIPTION	WEIGHT
752076	With Bayonet Type Clamps	32 lbs (14.5 kg)
752576	With Eye Type Clamps	39 lbs (17.9 kg)

Made with #2 clear-jacketed, extra flexible cable, three 8-foot (2.44 m) leads from the heads to the common connection, and one 50-foot (15.25 m) lead from the common connection to the ground connection. The cluster set has a fixture to raise and lower the set which can be easily tied onto the pole. Cat. No. 752076 cluster is also supplied with 3 fiberglass handles (Cat. No. 10078BC) and a handle bag (Cat. No. B101). For Cat. No. 752576 ground set, a "shotgun" is required but not included. Sets come with bags (Cat. No. B766). Other lengths and configurations available. Meets ASTM F-855 Grade 1 specifications. Maximum fault duty is 14.5 kA for 15 cycles.



752576

INDUSTRIAL GROUND CLUSTER

CAT. NO.	DESCRIPTION	WEIGHT
7551	Industrial Ground Set with Bayonet	35 lbs (15.8 kg)
7551GA	Industrial Ground Set with Grip All	35 lbs (15.8 kg)

Consists of three upper ground heads, one lower head, visible trifurcation, six-foot (1.83m) leads to common connections, and a twenty-foot lead from common to ground connection. Upper heads must be installed with insulating gloves and protectors (not included). All ground heads (Cat. Nos. 7541B and 7541T) will accept 4"x 4" (10.2 x 10.2 cm) copper or aluminum bus configurations and cables up to 1033 kcmil.

Also included is a bag (Cat. No. B766), and a tag (Cat. No. 7551TG) for installation at the main disconnect point. Cat. No. 7551 includes a one-foot fiberglass handle (Cat. No. 10012BC) for installing upper heads.

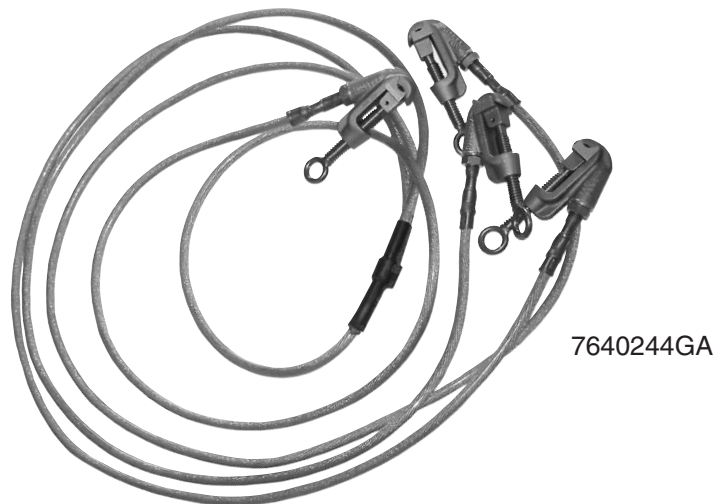
NOTE: 8106C clamp stick (not included) must be used to apply 7551GA grounds. Other lengths available. Conductor size is 2/0 copper. Meets ASTM F-855 Grade 3 specifications. Maximum fault duty is 27kA for 15 cycles.



LIGHTWEIGHT INDUSTRIAL GROUND SETS

CAT. NO.	DESCRIPTION	CLAMP USED	FAULT DUTY 15 CYCLES	ASTM F-855 GRADE	WEIGHT
75FGT0266	Lightweight Industrial Set	7575FTE	14.5 kA	1	15 lbs (6.80 kg)
7640244GA	Ultra Lightweight Industrial Set	7640001E	14.5 kA	1	13 lbs (5.90 kg)

Lightweight cluster sets are designed for smaller conductor size applications. Clamps used include screws with eyes (GA attachments) for use with a "shotgun" (not included). #2 extra flexible copper ground cable is used throughout. Cat. No. 75FGT0266 has six foot (1.83 m) leads to the common connection and a six foot lead from the common connection to ground. Cat. No. 7640244GA uses four foot (1.22 m) leads throughout. Sets include a bag (Cat. No. B766). Other lengths and configurations are available.

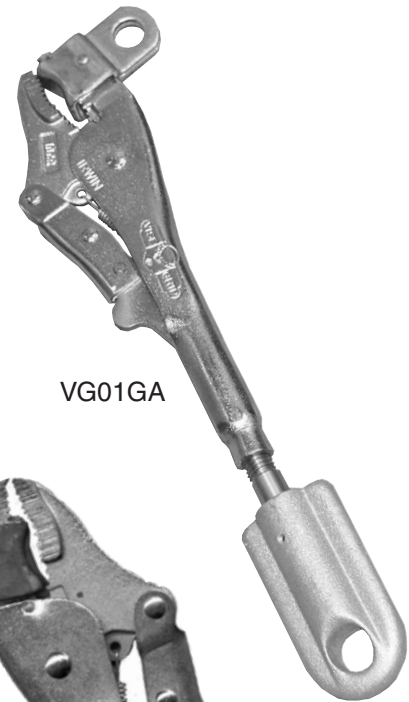


QUICK GRIP GROUND CLAMPS & CLUSTERS

Quick Grip clamps are specifically designed and ideally suited for temporary grounding where spacing and orientation of components limit the use of traditional ground clamps.

The Quick Grip Ground Clamp is available with a Grip-All eye or a Bayonet allowing installation with an appropriate length live line tool as required by OSHA 1910.289.

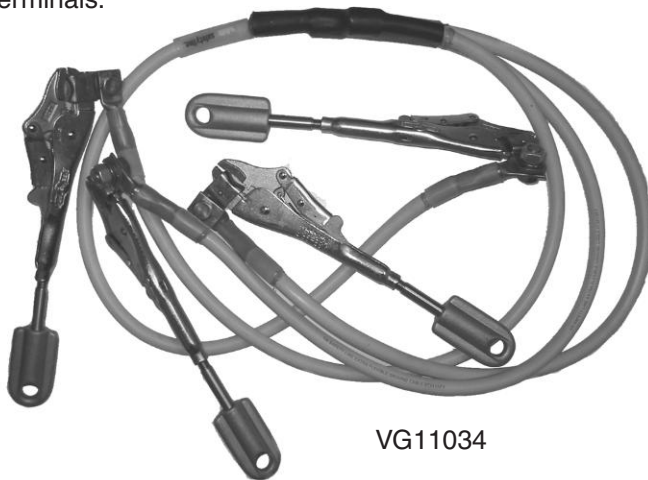
- Available in both the traditional style (**VG01**) and a hot stick operated version (**VG01GA** and **VG01B**).
- Available in a single lead ground jumper or cluster set with 1, 3 or 4 leads for grounding of single or three phase secondary terminals.
- Fitted with a copper overlay, riveted to the stationary jaw, connected to a grounding jumper with one hole NEMA connector to assure a low resistance connection.
- The cluster connection is made using standard copper compression connectors and all connections are covered with a heat-shrink tube to reduce fatigue at stress points.
- The locking jaw pliers are equally suited for flat or rounded terminals.



VG01GA



VG01



VG11034

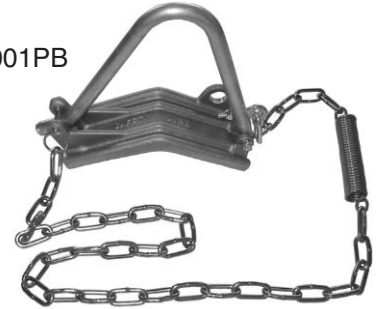
Cat. No.	Description	Clamp Openings		Total Cable Length ft	ASTM Grade	Weight	
		Min	Max			lb	kg
VG01	Locking Pliers, Cu Overlay	0.125"	1.5"	N/A	1	1.5	0.68
VG01B	Locking Pliers, Cu Overlay, Bayonet	0.125"	1.5"	N/A	1	1.6	0.73
VG01GA	Locking Pliers, Cu Overlay, Grip-All	0.125"	1.5"	N/A	1	1.6	0.73
VG01013	Single Lead, 1/0 x 3' with VG01	0.125"	1.5"	3	1	3.6	1.63
VG01033	Cluster, 3 Leads, 1/0 x 3' with VG01	0.125"	1.5"	9	1	10.5	4.77
VG01034	Cluster, 4 Leads, 1/0 x 3' with VG01	0.125"	1.5"	12	1	13.2	5.99
VG11013	Single Lead, 1/0 x 3' with VG01GA	0.125"	1.5"	3	1	3.7	1.68
VG11013B	Single Lead, 1/0 x 3' with VG01GB	0.125"	1.5"	3	1	3.7	1.68
VG11033	Cluster, 3 Leads, 1/0 x 3' with VG01GA	0.125"	1.5"	9	1	10.8	4.9
VG11033B	Cluster, 3 Leads, 1/0 x 3' with VG01GB	0.125"	1.5"	9	1	10.8	4.9
VG11034	Cluster, 4 Leads, 1/0 x 3' with VG01GA	0.125"	1.5"	12	1	13.6	6.17
VG11034B	Cluster, 4 Leads, 1/0 x 3' with VG01GB	0.125"	1.5"	12	1	13.6	6.17

POLE BAND

CAT. NO.	DESCRIPTION	FAULT DUTY		WEIGHT
		15 CYCLES	GRADE	
760001PB	Aluminum Bar	27 kA	3	4 lbs (1.81 kg)
760045PB	Copper Bar	43 kA	5	5 lbs (2.27 kg)
76HD45PB	Heavy Duty	43 kA	5	7 lbs (3.17 kg)

The pole band is light weight and easy to install. It is a required component of equal potential zone grounding systems

760001PB



TRUCK GROUNDING KIT

CAT. NO.	DESCRIPTION	WEIGHT
7542TGK	Truck Grounding Kit with Stud	2 lbs (0.91 kg)
7542TGKLS	Truck Grounding Kit without Stud	1 1/2 lbs (0.68 kg)



7542TGK

Contains 2/0 cable, 24 inches (61 cm) long, with a chassis/frame attachment on one end and a grounding stud on the other for Cat. No. 7542TGK. Brings body and chassis to the same ground potential. Other lengths are available. Meets ASTM F-855 Grade 3 specifications.

JUMPER HEADS WITH THREADED ADAPTERS

CAT. NO.	DESCRIPTION	CONTINUOUS		WEIGHT
		DUTY		
98AD	Bayonet	300 amps		3 lbs (1.36 kg)
98ADGA	Grip All	300 amps		3 lbs (1.36 kg)
98SAD	Bayonet, Wide Jaw	600 amps		3 lbs (1.36 kg)
98SADGA	Grip All Wide Jaw	600 amps		3 lbs (1.36 kg)
98SADK	Threaded Adapter Kit			2 lbs (0.91 kg)

The jumper heads have a maximum opening of 19/16" (4.0 cm) and are designed with built-in universal joints in order to accommodate installation lines at an angle. The jumper heads have a quick action tightening screw for fast closing. Threaded adapters are used to accept 5/8-11 threaded non-shrouded ferrules. A hose clamp is included for connection strain relief.



98SADK

98SADGA

15 kV BY-PASS JUMPERS

CAT. NO.	ADAPTER	HEADS	LEAD LENGTH	CONTINUOUS		WEIGHT
				DUTY		
9813	Bayonet	98AD	13 ft (3.96 m)	200 amps		13 lbs (5.90 kg)
9813GA	Grip All	98ADGA	13 ft (3.96 m)	200 amps		14 lbs (6.35 kg)
9813S	Bayonet	98SAD	13 ft (3.96 m)	600 amps		15 lbs (6.80 kg)
9813GAS	Grip All	98SADGA	13 ft (3.96 m)	600 amps		15 lbs (6.80 kg)

Used for by-passing or paralleling lines or equipment during emergency repairs, maintenance, or replacement. These by-pass jumpers have two heads and 15 kV insulated, non-shielded, 1/0 copper cable. Other sizes and lengths are available. The jumpers are installed with a bayonet handle or with "shotgun."



9813GA

CAUTION: APPROPRIATE RUBBER GLOVES MUST BE WORN WHEN INSTALLING OR REMOVING JUMPERS.

EQUIPOTENTIAL GROUNDING SETS

Two complete sets provide all the equipment required to safely ground a variety of structures on delta or grounded “Y” distribution systems. Factory assembled kits are for conductors ranging from #6 to 1 1/2" (3.8 cm) diameter, with smooth or serrated jaw clamps with threaded terminals. All clamps are supplied with eye screws for installation with grip all clampstick (not included). Other lengths and configurations are available. See page 78 for optional temporary ground rods.

STANDARD SETS

CAT. NO.	CABLE SIZE	FAULT DUTY 15 CYCLES	ASTM F-855 GRADE	WEIGHT
760001	#2	14.5 kA	1	36 lbs (16.3 kg)
76000111	1/0	21 kA	2	52 lbs (23.6 kg)
7600011	2/0	27 kA	3	62 lbs (28.1 kg)
760045	4/0	43 kA	5	100 lbs (45.4 kg)

EACH STANDARD SET INCLUDES THE FOLLOWING:

- 2 6' (1.83 m) Line Jumpers
- 1 12' (3.66 m) Line to Ground Jumper
- 1 60' (18.3 m) Ground Lead
- 1 Pole Band
- 1 Pole Band Extension
- 1 Flat Face Clamp (760003E)
- 1 Protective Bag

SETS FOR GROUNDED “Y” SYSTEMS

CAT. NO.	CABLE SIZE	FAULT DUTY 15 CYCLES	ASTM F-855 GRADE	WEIGHT
WITH SMOOTH “C” CLAMPS (760001E)				
763001	#2	14.5 kA	1	36 lbs (16.3 kg)
76300111	1/0	21 kA	2	52 lbs (23.6 kg)
7630011	2/0	27 kA	3	62 lbs (28.1 kg)
7630045	4/0	43 kA	5	100 lbs (45.4 kg)
WITH SERRATED “C” CLAMPS (7600S1E)				
763S01	#2	14.5 kA	1	41 lbs (18.6 kg)
763S0111	1/0	21 kA	2	58 lbs (26.3 kg)
763S011	2/0	27 kA	3	69 lbs (31.3 kg)
763S45	4/0	43 kA	5	110 lbs (49.9 kg)
WITH SMOOTH SNAP-ON CLAMPS (760006E)				
763601	#2	14.5 kA	1	41 lbs (18.6 kg)
76360111	1/0	21 kA	2	58 lbs (26.3 kg)
7636011	2/0	27 kA	3	69 lbs (31.3 kg)
763645	4/0	43 kA	5	110 lbs (49.9 kg)
WITH SERRATED SNAP-ON CLAMPS (7600S6E)				
763S61	#2	14.5 kA	1	41 lbs (18.6 kg)
763S6111	1/0	21 kA	2	58 lbs (26.3 kg)
763S611	2/0	27 kA	3	69 lbs (31.3 kg)
763S645	4/0	43 kA	5	110 lbs (49.9 kg)

EACH GROUNDED “Y” SET INCLUDES THE FOLLOWING:

- 3 6' (1.83 m) Line Jumpers
- 1 12' (3.66 m) Line to Ground Jumper
- 1 60' (18.3 m) Ground Lead
- 1 Pole Band
- 1 Pole Band Extension
- 1 Flat Face Clamp (760003E)
- 1 Protective Bag

PD800W CORDLESS PHASING TESTER

Featuring state-of-the-art wireless technology, the PD800W Cordless Phasing Tester effectively and easily operates in multiple applications including phasing, voltage detection, phase sequencing and phase angle indication.

Designed to operate like conventional phasing tester, but **does not require an interconnect cable or extension resistors**. Each set consists of two units:

- 1) Reference Probe (Transmitter) and 2) Meter Probe (Receiver).

BASIC FUNCTIONS:

- **Cordless Phasing Tester** - Capacitive test points - 800kV
- **Phase Sequence & Phase Angle Indicator** - Identifies phase relationships with indicating lights and in degrees of separation. Automatically alerts user of the existence of Delta/Wye transformations. Can be used to tie utility systems and cogeneration plants together.
- **Voltage Detector** - 4kV - 69kV
- **Operating Range** - 70 feet

Both the Reference Probe and the Meter Probe (Fig. 1) have a five-position selector switch (Fig. A) on the probe face that controls different operating modes:



Fig. A



Fig. B



Fig. C



Fig. 1

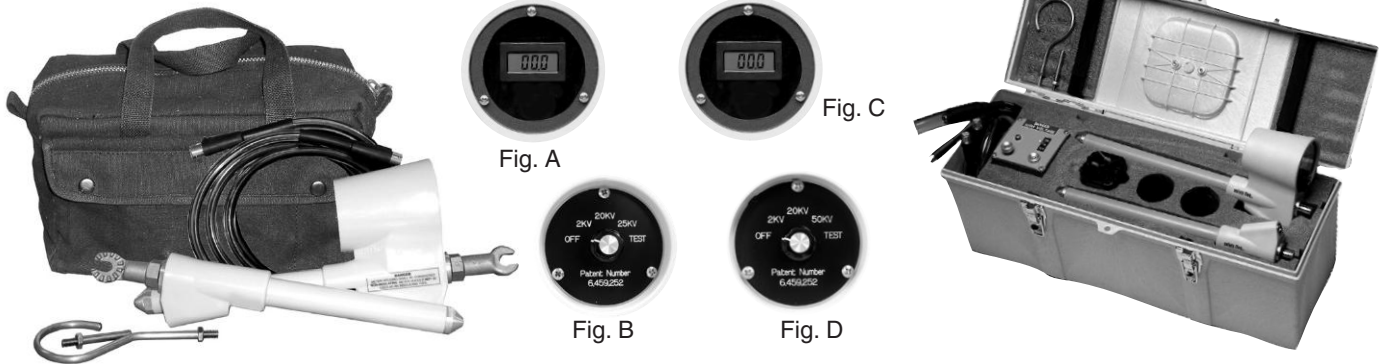
Meter Probe (Fig. B) features a large digital display with backlight and easy-to-read high intensity color-coded indicator lights. Readings are displayed in kV and in degrees. Reference Probe (Fig. C) features high intensity indicator light for high visibility.

CAT. NO.	DESCRIPTION	WEIGHT	
		lb	kg
PD800WU	Universal	13	5.89
PD600WGA	Grip All	13	5.89
PD800WQ	Quick Change	13	5.89
PD800US	Universal w/ 2 Bushing Adptrs	15	6.80
PD800WGAS	Grip All w/ 2 Bushing Adptrs	15	6.80
PD800WQS	Quick Change w/ 2 Blushing Adptrs	15	6.80
PD800WH6	Quick Change w/ Handles	24	10.88
PD800WH6S	Quick Change w. Handles & 2 Bushing Adptrs	26	11.79
PD8H2WU	Universal w/ 1 Insulated Support Hook	18	8.16
PD8H2WGA	Grip All w/ 1 Insulated Support Hook	18	8.16
PD8H2WQ	Quick Change w/ 1 Insulated Support Hook	18	8.16

NOTE: Additional kits with accessories available on request.

PD25A (25kV)

PD50A (50kV)



Designed for measuring voltage and phasing on overhead and underground systems, capacitive test points and 3-phase secondaries, the PD Series All-Purpose Utility Meters have three ranges for use on system voltages ranging from 120V - 46kV, phase-to-phase. Each model consists of a large (3/4") LCD digital meter (Figs. A & C) with back light, a 5-position selector switch (Figs. B & D), an interconnect cable and a second probe to complete the circuit.

Completely shielded, the PD Series voltmeters only read contacted test points, with no stray field indications. Unique input circuitry measures and reconciles the undesirable charging currents associated with other phasing meters, providing the most accurate (+/- 1%) phasing voltmeter available. Units in the series are offered in two models and styles including:

- **PD50** - 0-50V, with 3kV power supply and padded storage box
- **PD50A** - 0-50V, without 3kV power supply in a sturdy nylon storage bag
- **PD25** - 0-25V, with 3kV power supply and padded storage box
- **PD25A** - 0-25V, without 3kV power supply, in a sturdy nylon storage bag

NOTE: The PD25/50 are furnished with an 8-ft.connector cable and an 8-ft. extension cable.
The PD25A/PD50A are furnished with only an 8-ft. connector cable.

BIERER PATENT US 6,459,252

DIGITAL VOLTMETER PD25 (0-25kV) with 3kV transformer		Weight	
CAT. NO.	DESCRIPTION	lb	kg
PD25U	Universal	17	7.71
PD25GA	Grip All	17	7.71
PD25Q	Quick Change	17	7.71
PD25H6	Quick Change w/Handles	25	11.33
PD25US	Universal w/ 2 Bshng Adptrs	19	8.61
PD25GAS	Grip All w/ 2 Bshng Adptrs	19	8.61
PD25QS	Quick Change w/ 2 Bshng Adptrs	19	8.61
PD25H6S	Quick Change w/Hndls / 2 Bshng Adptrs	27	12.24

DIGITAL VOLTMETER PD25A (0-25kV) with 3kV transformer		Weight	
CAT. NO.	DESCRIPTION	lb	kg
PD25AU	Universal	6	2.72
PD25AGA	Grip All	6	2.72
PD25AQ	Quick Change	6	2.72
PD25AH6	Quick Change w/Handles	14	6.35
PD25AUS	Universal w/ 2 Bshng Adptrs	8	3.63
PD25AGAS	Grip All w/ 2 Bshng Adptrs	8	3.63
PD25AQS	Quick Change w/ 2 Bshng Adptrs	8	3.63
PD25AH6S	Quick Change w/Hndls / 2 Bshng Adptrs	16	7.25

DIGITAL VOLTMETER PD50 (0-50kV) with 3kV transformer		Weight	
CAT. NO.	DESCRIPTION	lb	kg
PD50U	Universal	17	7.71
PD50GA	Grip All	17	7.71
PD50Q	Quick Change	17	7.71
PD50H6	Quick Change w/Handles	25	11.33
PD50US	Universal w/ 2 Bshng Adptrs	19	8.61
PD50GAS	Grip All w/ 2 Bshng Adptrs	19	8.61
PD50QS	Quick Change w/ 2 Bshng Adptrs	19	8.61
PD50H6S	Quick Change w/Hndls / 2 Bshng Adptrs	27	12.24

DIGITAL VOLTMETER PD50A (0-50kV) with 3kV transformer		Weight	
CAT. NO.	DESCRIPTION	lb	kg
PD50AU	Universal	7	2.72
PD50AGA	Grip All	7	2.72
PD50AQ	Quick Change	7	2.72
PD50AH6	Quick Change w/Handles	15	6.80
PD50AUS	Universal w/ 2 Bshng Adptrs	9	4.08
PD50AGAS	Grip All w/ 2 Bshng Adptrs	9	4.08
PD50AQS	Quick Change w/ 2 Bshng Adptrs	9	4.08
PD50AH6S	Quick Change w/Hndls / 2 Bshng Adptrs	17	7.71

81280 (300V - 25kV) 83280 (300V - 35kV)

Dual application design for use as voltage detector or phasing voltmeter

- Five-position switch controls different functions:
 - C** - Indicates voltage on capacitive test points
 - CP** - Phases using capacitive test points
 - L** - Detects voltage on overhead and underground lines
 - LP** - Phasing on overhead lines
 - BT** - Battery Test
- Completely shielded to minimize stray field interference
- Easy to read analog meter scale ● 3kV test device to verify unit and accuracy
- No extension resistors required ● Optional adapters available for underground use up to 35kV
- Connector cable protected with clear PVC covering ● Watertight construction



COMPLETE SETS

CAT. NO.	DESCRIPTION	WEIGHT	CAT. NO.	DESCRIPTION	WEIGHT
300 V - 25kV			300 V - 25kV UNDERGROUND & OVERHEAD		
81280Q	Quick Change	15 lbs (6.8 kg)	81280QS	Quick Change	21 lbs (9.5 kg)
81280U	Universal	15 lbs (6.8 kg)	81280US	Universal	21 lbs (9.5 kg)
81280GA	Grip All	15 lbs (6.8 kg)	81280GAS	Grip All	21 lbs (9.5 kg)
81280H6	Quick Change with Handles	25 lbs(11.3 kg)	81280H6S	Quick Change w/ Handles	
300 V - 35kV			300 V - 3 kV UNDERGROUND & OVERHEAD		
83280Q	Quick Change	15 lbs (6.8 kg)	83280QS	Quick Change	21 lbs (9.5 kg)
83280U	Universal	15 lbs (6.8 kg)	83280US	Universal	21 lbs (9.5 kg)
83280GA	Grip All	15 lbs (6.8 kg)	83280GAS	Grip All	21 lbs (9.5 kg)
83280H6	Quick Change with Handles	25 lbs(11.3 kg)	83280H6S	Quick Change w/ Handles	

These sets come with 2 bushing adapters.

81200 (25kV) 83200 (35kV)

The Analog Phasing Voltmeter is designed to check the AC voltage on distribution circuits from 2.3kV - 35kV to determine phase relationships and the approximate phase-to-phase and line-to-ground value of the circuits.

Each unit consists of an analog meter housing, second probe and series connector cable to complete the circuit for phasing and measuring Overhead and URD lines, as well as Hi-Potting faulted URD cable.

- Ideally suited to any field conditions ● Available with optional back light
- Universal, Grip All and Quick Change adapters ● Large easy-to-read analog meter ● Available DC Hi-Pot adapter for locating faulted cable sections
- Available in kits including live line handles and/or bushing adapters for URD use
- Extension resistors to extend operating range ● Insulated extensions for use in tight quarters and pad-mounted equipment ● Watertight construction



81200 - 25kV 83200 - 35kV

81200 (2.3kV - 25kV)

CAT. NO.	DESCRIPTION	WEIGHT	CAT. NO.	DESCRIPTION	WEIGHT
81200U	Universal	10.5 lbs (4.76 kg)	81200US	Universal, w/ 2 bushing adapters	16.5 lbs (7.48 kg)
81200GA	Grip All	10.5 lbs (4.76 kg)	81200GAS	Grip All w/ 2 bushing adapters	16.5 lbs (7.48 kg)
81200Q	Quick Change	10.5 lbs (4.76 kg)	81200QS	Quick Change w/ 2 bushing adapters	16.5 lbs (7.48 kg)
8120H6	Quick Change w/ hndls	20.5 lbs (9.29 kg)	8120H6S	Quick Change w/ hndls & 2 bushing adapters	26.5 lbs (12.01 kg)

83200 (2.3kV - 35kV)

CAT. NO.	DESCRIPTION	WEIGHT	CAT. NO.	DESCRIPTION	WEIGHT
83200U	Universal	10.5 lbs (4.76 kg)	83200US	Universal, w/ 2 bushing adapters	16.5 lbs (7.48 kg)
83200GA	Grip All	10.5 lbs (4.76 kg)	83200GAS	Grip All w/ 2 bushing adapters	16.5 lbs (7.48 kg)
83200Q	Quick Change	10.5 lbs (4.76 kg)	83200QS	Quick Change w/ 2 bushing adapters	16.5 lbs (7.48 kg)
8320H6	Quick Change w/ hndls	20.5 lbs (9.29 kg)	8320H6S	Quick Change w/ hndls & 2 bushing adapters	26.5 lbs (12.01 kg)

VOLTAGE DETECTOR - VDA040P (0 - 40kV)

Dual application design. Detects 0 - 40kV line-to-ground, 0 - 69kV phase-to-phase voltage both as a proximity or direct contact meter on overhead and underground systems.

CAT. NO.	DESCRIPTION	WEIGHT
VDA040PU	Universal	8 lbs (3.64 kg)
VDA040PGA	Grip All	8 lbs (3.64 kg)
VDA040PQ	Quick Change	8 lbs (3.64 kg)
VDA040PUS	Universal w/ Bushing Adapters	9 lbs (4.1 kg)
VDA040PGAS	Grip All w/ Bushing Adapters	9 lbs (4.1 kg)
VDA040QS	Quick Change w/ Bushing Adapters	9 lbs (4.1 kg)



- Five-position selector switch controls different functions:
 - P** - Indicates voltage in proximity to line, also indicates voltage in direct contact on capacitive test points and secondary voltages
 - URD** - Detects voltage on underground systems
 - OH** - Detects overhead voltage 0 - 10kV
 - X4** - Detects overhead voltage 11 - 40kV
 - T** - Tests and verifies meter function
- Selector switch calibrated for height above ground to compensate for capacitive coupling effect
- Reads only contacted test point ● Indicates line-to-ground values for nominal or induced voltages
- Easy to read analog scale ● Over load protected up to 66.5kV (115kV phase-to-phase)
- Completely shielded to minimize stray field interference ● Optional adapters available for underground use up to 35kV ● Watertight construction

VOLTAGE DETECTOR - VDA0300 / VDAH300 - VDA0450 / VDAH450

Widest voltage range available in one voltage detector. 2.4kV - 300kV line-to-ground, 4kV - 500kV phase-to-phase for the VDA0300 / VDAH300. For the VDA0450 / VDAH450 detector, 2.4kV - 450kV line-to-ground, 4kV - 765kV phase-to-phase. Designed for use on overhead and underground systems.

- Indicates approximate nominal or induced voltage in line-to-ground values
- Easy to read analog scale ● Dual linear / logarithmic scale for better resolution on 4kV systems ● Requires no voltage scale selector switch or multipliers ● Hold and backlight functions available on VDAH300 / VDAH450 ● Totally passive meter function ● Optional adapters available for underground use up to 35kV
- Watertight construction



2.4kV - 300kV		
CAT. NO.	DESCRIPTION	WEIGHT
VDA0300U	Universal	8 lbs (3.64kg)
VDA0300GA	Grip All	8 lbs (3.64 kg)
VDA0300Q	Quick Change	8 lbs (3.64 kg)
2.4kV - 450kV		
VDA0450U	Universal	8 lbs (3.64kg)
VDA0450GA	Grip All	8 lbs (3.64 kg)
VDA0450Q	Quick Change	8 lbs (3.64 kg)

2.4kV - 300kV		
CAT. NO.	DESCRIPTION	WEIGHT
VDAH300U	Universal	8 lbs (3.64kg)
VDAH300GA	Grip All	8 lbs (3.64 kg)
VDAH300Q	Quick Change	8 lbs (3.64 kg)
2.4kV - 450kV		
VDAH450U	Universal	8 lbs (3.64kg)
VDAH450GA	Grip All	8 lbs (3.64 kg)
VDAH450Q	Quick Change	8 lbs (3.64 kg)

PHASE SEQUENCE INDICATOR

CAT. NO.	VOLTAGE RATING	WEIGHT
84600	600 Volts at 25 - 60 Hz	2 lbs (0.91 kg)

Used to determine the proper sequence on all polyphase circuits prior to connecting phase sensitive loads such as pumps or motors. They will indicate the presence of all phases as well as phase sequencing. Case is included.

CAUTION: USE RUBBER GLOVES. DO NOT LEAVE CONNECTED LONGER THAN 1 MINUTE.



RCDC1000

A general purpose meter used in a variety of applications, including the transit industry as well as a wide range of commercial and industrial categories. Designed to confirm the status of electrical systems the meter can be used with higher currents than hand-held models and for general outdoor use.

- 0 - 2kV DC digital voltmeter
- Meter housing and secondary probe with threaded end fittings
- Hook adapter, straight adapter and magnetic track adapter (Fig. B)
- 30 foot interconnect cable
- Impact resistant padded storage box



- Large easy-to-read LCD display with back light (Fig. A)
- Compact, lightweight, rugged
- Watertight construction
- Ideally suited to any field conditions
- Universal, Grip All and Quick Change adapters

Fig. B



Fig. A

RCDC1000 (0 - 2kV DC)		Weight	
CAT. NO.	DESCRIPTION	lb	kg
RCDC1000U	Universal	7	3.18
RCDC1000GA	Grip All	7	3.18
RCDC1000Q	Quick Change	7	3.18

VIAV300 LIGHT AND HORN VOLTAGE INDICATOR

The VIAV300 Light and Horn Voltage Detector is a combination proximity / direct contact voltage indicator used to verify the status of lines and equipment on voltages 0 - 300kV line-to-ground, 4kV - 500kV phase-to-phase, and incorporates an audible alarm (horn) and a visual signal (light) to indicate the presence of voltage (Fig. A).

The unit features a 12-position selector switch (Fig. B) which allows the operator to easily select the proper voltage range for the voltage being tested, proximity to 300kV and a self test function. Scaling up or down on the selector switch assists the user in identifying the approximate voltage present, nominal or induced. All values shown on the selector switch are line-to-ground.

This versatile detector can be used on URD, overhead lines, distribution and transmission, secondary voltages, capacitive test points and in proximity from the ground.



FIG. A

FIG. B

CAT. NO.	DESCRIPTION	Weight	
		lb	kg
VIAV300U	0 - 300kV with Universal Adapter	7	3.18
VIAV300GA	0 - 300kV with Grip All Adapter	7	3.18
VIAV300Q	0 - 300kV with Quick Change Adapter	7	3.18
VIAV300US	0 - 300kV with Universal and Bushing Adapter	8	3.64
VIAV300GAS	0 - 300kV with Grip All and Bushing Adapter	8	3.64
VIAV300QS	0 - 300kV with Quick Change and Bushing Adapter	8	3.64

PORTABLE TESTER FOR PERSONAL GROUNDING ASSEMBLIES

Designed to provide in-service integrity testing of the electrical characteristics of portable protective grounding assemblies, the GT-Series Grounding Assembly Testers provide a reliable test by administering rated current through the grounding assembly and measuring the voltage drop across the assembly. The voltage drop in conjunction with a thorough visual inspection determines if the grounding assembly meets minimum electrical specifications.

Housed in a sturdy carrying case, each unit is compact, lightweight, and quickly confirms the condition of an entire grounding jumper assembly. It is easy to operate and can be set up for testing in a matter of minutes by qualified lab or field personnel.



GT400EALB



GT400BALB

- Powered by standard 115V AC outlet rated at 20 amps or higher.
- Digital ammeter allows operator to easily apply correct test current.
- Easy-to-read reference chart indicates maximum acceptable voltage drop for different cable lengths and gauges.
- Cable is tested at its rated continuous current in compliance with ASTM F-855.

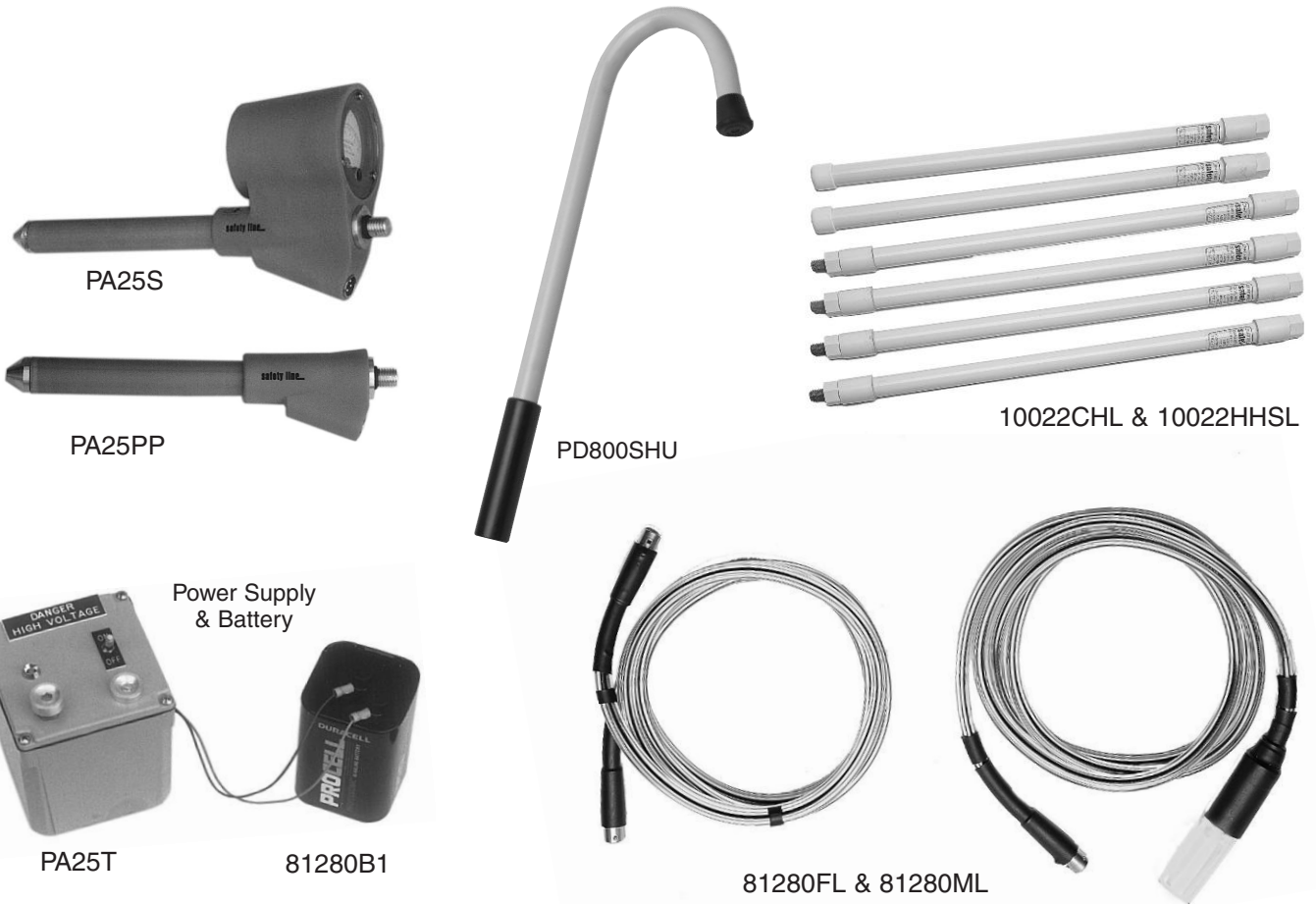
NOTE: #2 cable tested at 165 amps

- Grounding jumper measured to the nearest foot.
- Digital voltmeter informs operator if the assembly is in acceptable working condition.
- Easily converts for testing of grounding elbows and bushings.

PART NO.	DESCRIPTION	WGHT.
GT400	Standard Grounds Tester	38 lbs (17.23 kg)
GT400HDXL	Heavy Duty Grounds Tester	54 lbs (24.48 kg)
GT600VMA	600 Amp Grounds Tester With External Voltmeter Leads	58 lbs (26.29 kg)
INCLUDED ACCESSORIES:		
817542	Ball Stud	1/2 lb (.23 kg)
817600S	Stud	1/2 lb (.23 kg)
GT400SP	Tightening pin	1/2 lb (.23 kg)
OPTIONAL ACCESSORIES:		
GT400EALB	Load break elbow adapter	1/2 lb (.23 kg)
GT400BALB	Load break bushing adapter	1/2 lb (.23 kg)
GT400EALB75	Load break elbow adapter	1/2 lb (.23 kg)
GT400BALB75	Load break bushing adapter	1/2 lb (.23 kg)
GT400EANLB	Non-load break elbow adapter	1/2 lb (.23 kg)
GT400BANLB	Non-load break bushing adapter	1/2 lb (.23 kg)
GT400VMA	External Voltmeter Leads for GT400 and GT400HDXL	1/4 lb (.11 kg)

METER PARTS AND ACCESSORIES

CAT. NO.	DESCRIPTION	WEIGHT
8128TEALB	15 - 25 kV Elbow Adapter	1 lb (0.45 kg)
8128TBALB	15 - 25 kV Bushing Adapter	1 lb (0.45 kg)
81280LHM	Hook Adapter	1 lb (0.45 kg)
81280LPM	Probe Adapter	1 lb (0.45 kg)
8120ER	Extension Resistors (1 pair)	3 lbs (1.36 kg)
81280FG	Alligator Clip Adapter	1/4 lb (.11 kg)
81280ML30	30 ft. Connector Cable	5 lbs (2.25 kg)
3403	QC to Universal Adapter	1 lb (0.45 kg)
3402TH5811	QC to Grip All Adapter	1 lb (0.45 kg)
10022CHL	Handle w/ Threaded Ferrule & Cap (2 required)	1 lb (0.45 kg)
10022HSL	Handle w/ Threaded Ferrule & Ferrule w/Stud (4 required)	1 lb (0.45 kg)
PA25S	25 kV Voltage Sensor with Quick Change	2 lbs (0.91 kg)
PA35S	35 kV Voltage Sensor with Quick Change	2 lbs (0.91 kg)
PA25PP	Phasing Probe with Quick Change	1 lb (0.45 kg)
PA25T	3 kV Power Supply	3 lbs (1.36 kg)
PA25B	Box with Foam Padding	7 lbs (3.17 kg)
PA50DCHP	Hi-Pot Adapter for Phasing Voltmeters	2 lbs (.91 kg)
81280FL	8' (2.44 m) Lead with Female Adapter	2 lbs (0.91 kg)
81280ML	8' (2.44 m) Lead, Standard	2 lbs (0.91 kg)
81280B1	6 Volt Battery	2 lbs (0.91 kg)
PD25PSA	Phase Sequence Adapter	1/4 lb (.11 kg)
PD800SHU	Reference Probe Support Hook, 2 ft.	1 lb (.45 kg)



Unless The White Rubber Corporation (hereinafter referred to as the "Company") expressly agrees otherwise in writing, the following terms and conditions shall govern all sales by the Company to you (the "Buyer") of items (each a "Product"). ANY DIFFERENT OR ADDITIONAL TERM, WHETHER OR NOT MATERIAL, PROPOSED BY THE BUYER IN ANY PURCHASE ORDER OR OTHERWISE IS HEREBY OBJECTED TO.

1. ORDERS:

- The minimum purchase amount of any order is \$200.00.
- Orders over \$1,000.00 require a written purchase order.
- Confirming orders are not required. If a confirming order is not clearly marked confirming, it will be accepted and entered as a new order.
- Order additions and cancellations are subject to acceptance by the Company.
- There will be a \$35.00 **RUSH CHARGE** for any order requiring manufacture in advance of standard production lead time.

2. PAYMENT TERMS: Net thirty (30) days from invoice. Subject to credit approval.

3. PRICE POLICY:

- Prices are subject to change without notice.
- Prices do not include any federal, state or municipal sales, use or similar taxes. Any sales, use, excise or other tax applicable to the sale or use shall be paid by the Buyer.
- A 15% premium surcharge per item will be added for single hand gloves, mittens and sleeves.
- A \$2.00 per pair surcharge will be applied for stamping of test date on gloves and sleeves.
- A \$3.00 per pair surcharge will be applied for serial numbering or branding on gloves and sleeves

4. FREIGHT TERMS:***Rubber Protective Equipment (Catalog pages 2 - 8):***

- Orders over \$3,000 are FOB Destination, freight prepaid and allowed within the U.S. The Company selects best and least expensive shipping method.
- Orders less than \$3,000 are FOB Shipping Point. If freight is to be prepaid, all charges will be added to the invoice unless otherwise specified. Buyer can indicate shipping method. Title to goods passes to Buyer at time goods are shipped.
- All orders shipped to a location exceeding 500 miles from the "Bill To" address are subject to a 25% drop ship charge.

Live Line Tools, Grounding Equipment, Voltage Meters/Detectors (Catalog pages 9 - 89):

- All shipments are FOB Shipping Point and are sent collect unless otherwise specified. If freight is to be prepaid, all charges will be added to the invoice. Buyer can indicate shipping method. Title to goods passes to Buyer at point of shipment.
- All orders shipped to a location exceeding 500 miles from the "Bill To" address are subject to a 25% drop ship charge

5. SPECIFICATIONS:

All Rubber Insulating Gloves, Sleeves, Blankets, Line Hose, and Leather Protectors conform to current ANSI/ASTM specifications: D120 (Gloves), DI 051 (Sleeves), DI 048 (Blankets), DI 050 (Line Hose), and F696 (Leather Protectors). Products also conform to IEC standards: 903 (Gloves), 984 (Sleeves), and 1112 (Blankets).

RETURNED GOODS: To return a Product to the Company, an authorization for return of merchandise must be obtained in writing from the Company's Customer Service Department. All returned merchandise is subject to inspection by the Company. Freight on all returned merchandise must be prepaid by the Buyer. A restocking charge of 25% will apply to all material authorized for return. Custom, discontinued, branded, specialty and damaged Products may not be returned for credit. Products may not be returned more than 12 months after original sale.

DAMAGED OR LOST IN SHIPMENT: The Company shall not be held responsible or liable for any loss of or damage to a Product resulting from causes beyond its control. Any loss due to shipment must be filed with the transportation company. The receipt of shipment by the Buyer upon its delivery shall constitute a waiver of all claims. Any claim for shortage must be made within thirty (30) days from the date of shipment.

WARRANTIES: The Buyer's rights, obligations and limitations related to warranties on the Products are incorporated herein by reference.

WARRANTIES: The Company warrants the Products to be in compliance with their respective specifications and free from defects in materials and workmanship when used as specified in the written instructions furnished with the Product, or, if no written instructions, under normal and proper use, for a period of one (1) year from the date of shipment to the Buyer. Should any failure to conform to the above appear within such time, upon notification and confirmation that the Product has been stored, installed, operated, and maintained in accordance with recommendations of the Company and industry practice, the Company shall correct the nonconformity (at the Company's option) either by repairing any defective Product, or part thereof, or by making available at the Company's plant a repaired or replacement Product or part thereof. The foregoing shall constitute the whole remedy of the Buyer and sole liability of the Company.

LIMITATIONS OF WARRANTIES: EXCEPT FOR THE EXPRESS WARRANTIES SET FORTH ABOVE, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, WHICH APPLY TO THE PRODUCTS. NO WARRANTIES OR REPRESENTATIONS AT ANY TIME MADE BY ANY REPRESENTATIVE OF THE COMPANY SHALL BE EFFECTIVE TO VARY OR EXPAND THE ABOVE-REFERENCED EXPRESS WARRANTY OR OTHER TERMS HEREOF.

LIMITATION OF LIABILITY: The foregoing warranties are exclusive, and the remedies provided herein above with respect thereto are also exclusive. The Company's liability on any claim of any kind, including negligence, shall in no case exceed the price of the Product or part thereof, that gives rise to the claim. The Company shall not be liable for any penalty or for any special or consequential damages, or claims of third parties against the Buyer. All warranties are void in the event that repairs are performed on any Product by anyone other than the Company or a Company authorized agent.

PRODUCTS MANUFACTURED BY OTHER MANUFACTURERS: Some Products are obtained from other manufacturers and the Company uses commercially reasonable efforts to ensure the quality of these supply sources and the Products they provide. The Company shall not be responsible for how such Products are used or installed, and such Product's conformance to local or regional codes or regulations. The Buyer should review each Product's application, and the relevant code, regulations or ordinances to be certain that each Product, its installation, and use will satisfy these requirements. IN NO EVENT SHALL THE COMPANY BE RESPONSIBLE FOR ANY LOSS OR DAMAGE ARISING OUT OF THE BUYER'S IMPROPER SELECTION, MISAPPLICATION OR MISUSE OF A PRODUCT. The Products may be warranted to the Buyer by a manufacturer other than the Company. The Company is not responsible or obligated to enforce the warranties a separate manufacturer extended to the Buyer but the Company will use commercially reasonable efforts to assist the Buyer in obtaining or verifying any such warranty information. The Company may distribute literature or sales materials of the manufacturer, but assumes no responsibility for the content of such literature or materials.

NO INFRINGEMENT WARRANTIES: The Company makes no representation or warranty that the delivery or use of the Products shall be free of the claim of any third party of any infringement.

GOVERNING LAW: The terms and conditions applicable to the sale and purchase of the Products shall be determined and construed in accordance with, and shall be governed by, the laws of the State of Ohio, without giving effect to its choice of law principles. The Buyer and the Company submit to the jurisdiction of the appropriate State or Federal Court within Ohio for purposes of resolving any dispute or claim arising in connection with said transaction. If any portion of these terms and conditions is unenforceable under applicable law, such portion shall be deemed reformed or deleted, but only to the extent necessary to comply with such law, and the remaining provisions shall remain in full force and effect.

**OSHA 1910-243 Table R-5
AC LIVE LINE WORK MINIMUM APPROACH DISTANCE**

Nominal voltage in kilovolts phase to phase	Distance			
	Phase to ground exposure		Phase to phase exposure	
	(ft-in)	(m)	(ft-in)	(m)
0.05 to 1.0	(4)	(4)	(4)	(4)
1.1 to 15.0	2-1	0.64	2-2	0.66
15.1 to 36	2-4	0.72	2-6	0.77
36.1 to 46.0	2-7	0.77	2-10	0.85
46.1 to 72.5	3-0	0.90	3-6	1.05
72.6 to 121	3-2	0.95	4-3	1.29
138 to 145	3-7	1.09	4-11	1.50
161 to 169	4-0	1.22	5-8	2.27
230 to 242	5-3	1.59	7-6	2.27
345 to 362	8-6	2.59	12-6	3.80
500 to 550	11-3	3.42	18-1	5.50
765 to 800	14-11	4.53	26-0	7.91

NOTE 1: These distances take into consideration the highest switching surge an employee will be exposed to on any system with air as the insulating medium and the maximum voltages shown.
NOTE 2: The clear live-line tool distance shall equal or exceed the values for the indicated voltage ranges.
NOTE 3: See Appendix B of OSHA 1910.269 for information on how the minimum approach distances listed in the tables were derived.

**ASTM F496 - Standard Specification for In-Service Care of Insulating Rubber Goods
TABLE 1 - VOLTAGE REQUIREMENTS**

Class Designation of Glove or Sleeve	Maximum Use Voltage, V	A-C Retest Voltage, V	D-C Retest Voltage, V
00	500	2 500	10 000
0	1 000	5 000	20 000
1	7 500	10 000	40 000
2	17 000	20 000	50 000
3	26 500	30 000	60 000
4	36 000	40 000	70 000

**ASTM F496 - Standard Specification for In-Service Care of Insulating Rubber Goods
TABLE 4 - DISTANCES BETWEEN GAUNTLET AND CUFF, MINIMUM**

Class	Distance, minimum	
	inches	mm
00/0	1/2	13
1	1	25
2	2	51
3	3	76

**ASTM F855 - Standard Specifications for Temporary Grounding Systems to Be Used on De-energized Electric Power Lines and Equipment
GROUND CLAMP SPECIFICATIONS**

CLASS

5.3.1 **Class A** – Clamp jaws with smooth contact surfaces. 5.3.2 **Class B** – Clamp Jaws with serrations, or cross hatching

TYPE

5.1.1 **Type I** – Clamps for installation on de-energized conductors are equipped with eyes for installation with removable hot sticks.
5.1.2 **Type II** – Clamps for installation on de-energized conductors have permanently mounted hot sticks.
5.1.3 **Type III** – Clamps for installation on permanently grounded conductors or metal structures have tee handles and eyes or square or hexagon head screw(s), or both.

TABLE 4 - TERMINATION STYLE

ASTM Cable Termination Style	Cable Termination Description	Essential Size Data
1	cable retaining eyebolt	ferrule OD accepted; stud and shroud OD accepted
2	eyebolt and cable support	ferrule or stud diameter accepted
3	plain bore bolted clamp and cable support	
4	plain bore tubular with screws and cable support	
5	plain bore boss	nominal ID 1/2 in. (12.7 mm) 5/8 in. (16 mm) or 3/4 in. (20 mm) and included angle of cone contact
6	plain bore boss and cable support	
7	threaded bore boss	thread size 1/2 in.–13 NC, 5/8 in.–11 NC, or 3/4 in.–10 NC
8	threaded bore boss and cable support	
9	threaded bore clamp and cable support	

ASTM F855 - Standard Specifications for Temporary Grounding Systems to Be Used on De-energized Electric Power Lines and Equipment

TABLE 1 - PROTECTIVE GROUND CLAMP RATINGS

Grade	Grounding Clamp Torque Strength, min.				Short Circuit Properties ^A										Continuous Current A RMS 60 Hz	Minimum Cable Size Installed Equal or Larger Than
	Yield ^C		Ultimate		Withstand Rating, Symmetrical kA RMS, 60 Hz			Ultimate Rating/Capacity, ^B Symmetrical kA RMS, 60 Hz				Maximum Copper Test Cable Size				
	lbf • in.	n • m	lbf • in.	n • m	15 cycles (250 MS)	30 cycles (500 MS)	Copper Cable Size	6 cycles (100 MS)	15 cycles (250MS)	30 cycles (500 MS)	60 cycles (1 s)					
1	280	32	330	37	14	10	#2	29	18	13	9	2/0	200	#2		
2	280	32	330	37	21	15	1/0	47	29	21	14	4/0	250	1/0		
3	280	32	330	37	27	20	2/0	58	37	26	18	4/0	300	2/0		
4	330	37	400	45	34	25	3/0	74	47	33	23	250 kcmil	350	3/0		
5	330	37	400	45	43	30	4/0	94	59	42	29	250 kcmil	400	4/0		
6	330	37	400	45	54	39	250 kcmil or 2 2/0	111	70	49	35	350 kcmil	450	250 kcmil or 2 2/0		
7	330	37	400	45	74	54	350 kcmil or 2 4/0	155	98	69	48	550 kcmil	550	350 kcmil or 2 4/0		

- ^A Withstand and ultimate short circuit properties are based on performance with surges not exceeding 20% asymmetry factor (see 12.3.1).
- ^B Ultimate rating represents a symmetrical current which the clamp shall carry for the specified time.
- ^C Yield shall mean no permanent deformation such that the clamp cannot be reused throughout its entire range of application.
- ^D Ultimate values are based upon application of Onderdonk's equation to 98% of nominal circular mil area allowed by Specifications B 172 and B 173

TABLE 2 - PROTECTIVE GROUND CABLE FERRULE, AND ASSEMBLY RATINGS

Grade	Cable Size	Short Circuit Properties ^A - Symmetrical kA RMS 60Hz						Continuous Current Rating RMS 60 Hz
		Withstand Rating		Ultimate Rating/Capacity ^{B,C}				
		15 cycles (250 MS)	30 cycles (500 MS)	6 cycles (100 MS)	15 cycles (250 MS)	30 cycles (500MS)	60 cycles (1 s)	
1	2	14	10	28	18	13	9	200
2	1/0	21	15	47	29	21	14	250
3	2/0	27	20	59	37	26	18	300
4	3/0	34	25	74	47	33	23	350
5	4/0	43	30	94	59	42	29	400
6	250 kcmil	54	39	111	70	49	35	450
7	350 kcmil	74	54	155	98	69	49	550

- ^A Withstand and ultimate short circuit properties are based on performance with surges not exceeding 20% asymmetry factor (see 9.1 and 12.3.4.2).
- ^B Ultimate rating represents a symmetrical current which the ferrule shall carry for the time specified.
- ^C Yield shall mean no permanent deformation such that the clamp cannot be reused throughout its entire range of application.
- ^D Ultimate value based upon application of Onderdonk's equation to 98% of nominal circular mil area allowed by Specifications B 172 and B 173

ASTM F968 - Standard Specification for Electrically Insulating Plastic Guard Equipment for Protection of Workers^{A, B}

TABLE 1.1 - WITHSTAND VOLTAGE PROOF TEST

Class	Rating kV _{B-Ø}	Max Use 60 Hz Ø-Ground	Proof Test Withstand Voltage (In-Service Testing)			Criteria
			Ø-Ground kV		Duration min.	
			60 Hz	D-C		
2	14.6	8.4	13.0	18	1	No flashover other than momentary as a result of too-close spacing of electrodes
3	26.4	15.3	24.0	34	1	
4	36.6	21.1	32.0	45	1	
5	48.3	27.0	42.0	60	0.5	
6	72.5	41.8	64.0	91	0.25	

- ^A Refer to Method A of Test Methods F712.
- ^B Cover-up materials are tested at values greater than the maximum use phase to ground values. The maximum use phase to phase values relate to guarded phase to guarded phase. The units are not rated for bare phase to guarded phase potentials.

WIRE GAUGE CHART

Copper Solid				Copper Stranded				ACSR / Aluminum			
B. & S. Gauge	Circular Mills (MCM)	Diameter (Inches)	Diameter (1/64 inch)	B. & S. Gauge	Circular Mills	Diameter (Inches)	Diameter (1/64 inch)	B. & S. Gauge	Circular Mills	Diameter (Inches)	Diameter (1/64 inch)
#8	16,512	.1285	9/64	#8	16,510	.146	5/32	#8	16,509	0.158	11/64
#7	20,822	.1443	5/32	#7	20,820	.164	11/64	#7	20,816	0.177	3/16
#6	26,250	.1620	11/64	#6	26,300	.184	3/16	#6	26,250	0.198	13/64
#5	33,100	.1819	3/16	#5	33,310	.206	7/32	#5	33,102	0.223	15/64
#4	41,740	.2043	7/32	#4	41,070	.232	15/64	#4	41,742	0.250	1/4
#3	52,640	.2294	15/64	#3	52,060	.250	17/64	#3	52,634	0.281	9/32
#2	66,370	.2576	17/64	#2	66,358	.292	19/64	#2	66,373	0.316	21/64
#1	83,690	.2893	19/64	#1	83,694	.328	21/64	#1	83,694	0.355	23/64
1/0	105,500	.3250	21/64	1/0	105,625	.368	3/8	1/0	105,534	0.398	13/32
2/0	133,100	.3648	3/8	2/0	133,079	.414	27/64	2/0	133,378	0.447	29/64
3/0	167,800	.4096	27/64	3/0	167,772	.470	31/64	3/0	167,805	0.502	33/64
4/0	211,600	.4600	15/32	4/0	211,600	.528	17/32	4/0	211,600	0.563	37/64
					250,000	.574	37/64		266,800	0.642	21/32
					300,000	.629	41/64		336,400	0.741	3/4
					350,000	.679	11/16		397,500	0.806	13/16
					400,000	.726	47/64		477,000	0.883	57/64
					450,000	.772	25/32		500,000	0.904	29/32
					500,000	.813	53/64		605,000	0.953	61/64
					550,000	.851	55/64		636,000	0.990	1
					600,000	.893	29/32		715,500	1.081	13/32
					650,000	.929	15/16		795,000	1.093	13/32
					700,000	.964	31/32		900,000	1.162	1 11/64
					750,000	.998	1		1,133,500	1.246	1 1/4
					800,000	1.031	1 1/32		1,192,500	1.338	1 11/32
					850,000	1.062	1 1/16		1,272,600	1.381	1 25/64
					900,000	1.094	1 7/64		1,351,000	1.424	1 7/16
					950,000	1.123	1 1/8		1,491,000	1.465	1 15/32
					1,000,000	1.152	1 5/32		1,510,000	1.506	1 33/64
					1,250,000	1.289	1 27/64		1,590,000	1.515	1 35/64
					1,500,000	1.412	1 27/64				

Conversion
mm² = .0005067 x Circular Mills (MCM)

MORE INFORMATION AVAILABLE

Upon request and where applicable, White Rubber / Safety Line will provide:

- Test Reports
- MSDS Sheets
- Operating Instructions
- Product Sheets
- Parts Lists
- Particular Standards
- Drawings

CAUTION

The equipment covered in this catalog is intended to be installed, used, and serviced only by qualified persons, as defined by OSHA (CFR 1926.449, CFR 1910.399, or CFR 1910.269), trained in and familiar with the safety related work practices, safety procedures, and other safety related requirements associated with their respective job assignments. This equipment is for use only by such personnel.

The descriptive information contained in this catalog and any related instruction or product sheets does not cover all details or methods of use for this equipment nor are they intended to cover all situations or other contingencies which could be encountered with respect to the installation, operation, and maintenance of such equipment and shall not be used as a substitute for employee training. If additional information regarding the installation, operation, maintenance, or specific application situations for this equipment is required, the purchaser should refer the details to The White Rubber Corporation at (330) 296-6497.

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GLOVES, SLEEVES
& PROTECTORS

BLANKETS & LINE HOSE

INSULATING STICKS
& HANDLES

CUTTERS

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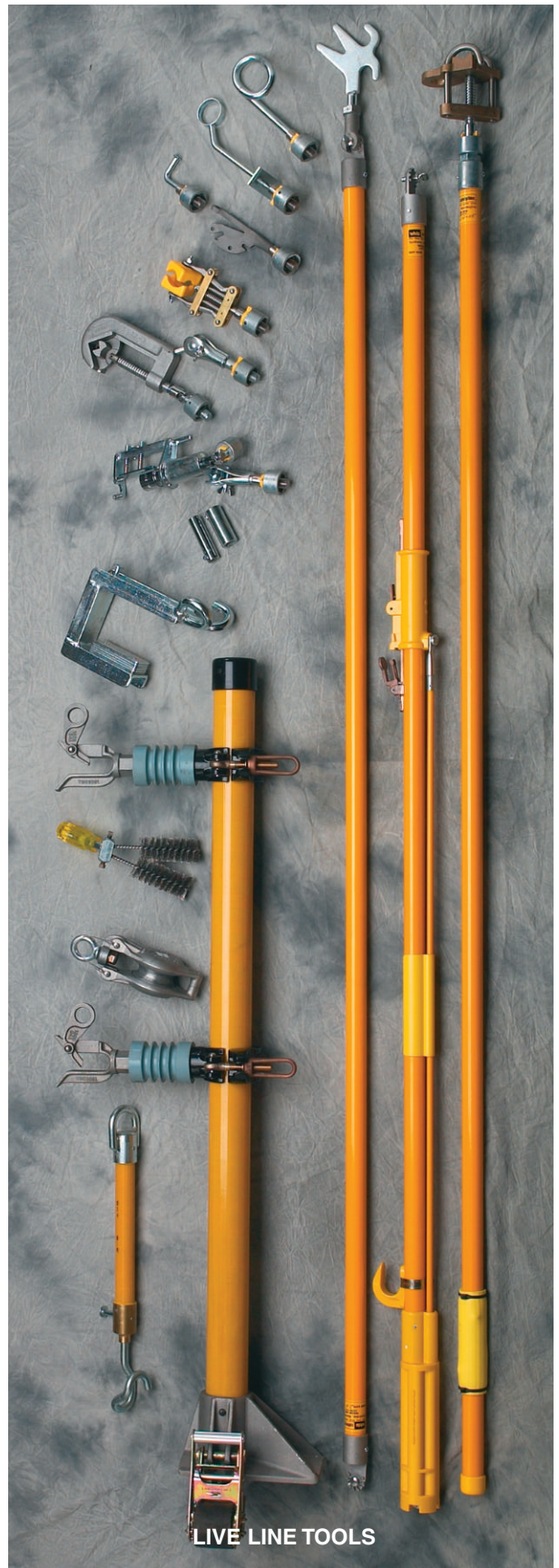
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