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**ADDITIONAL
GROUNDING EQUIPMENT,
HOT STICKS & TOOLS**
EXTENDED LINE OF PRODUCTS



SALISBURY
LINEMAN SAFETY PRODUCTS

SALISBURY

by Honeywell

Our complete line of grounding equipment offers solutions for utility and industrial applications. Whether you prefer complete assemblies or individual components, Salisbury has a product to meet your needs.

How to specify temporary protective grounding assemblies.

A grounding assembly in its basic form consists of two clamps, one pair of ferrules and a length of cable.

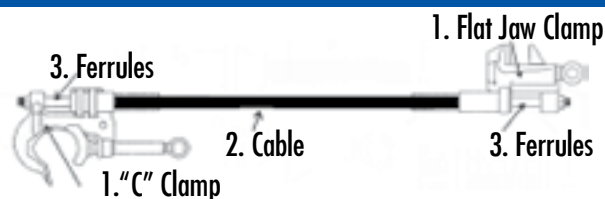
The clamps can be identical to each other or quite different depending on each grounding application. Because of this, ground clamps are sold individually, not in pairs. Salisbury offers a wide variety of clamps including C-clamps, flat jaw clamps, socket clamps, duckbill clamps and specialty clamps for unique situations. Clamps are offered in either bronze or aluminum alloys and are manufactured to meet the current specifications of ASTM F 855.

To attach a clamp to the grounding cable requires the use of a ferrule. Ferrules are compressed on the strands of the cable to provide a low resistance permanent connection. The size of the ferrule is determined by the size of the cable. Ferrules are available in aluminum or plated copper. Plated copper ferrules can be used with either aluminum or bronze clamps. Aluminum ferrules can be used with aluminum clamps only. Two ferrules are required for each assembly therefore they are sold in pairs. Ferrules are manufactured to the specifications of ASTM F 855.

The final component that makes up a ground set is the grounding cable itself. The size of the cable is dependent on the short circuit current capacity of the system being grounded. Once this is determined, only the length of the cable and the color of the jacket need to be specified to complete the assembly.



Ground Set Checklist



1. Specify the clamps. Two are required for a complete assembly. The maximum amperage of the clamp is designated by the ASTM grade of each clamp. Be sure that the clamp will meet or exceed the maximum amperage rating of the ground cable that it will be used with.
2. Specify the cable. Once the short circuit capacity of the system has been determined, choose the appropriate size cable. Specify the cable length, and the color of the jacket desired.
3. Specify the ferrules. One pair of ferrules is required per assembly. The size of the ferrule must match the size of the cable that it will be used with. Specify whether copper or aluminum, and threaded or plain.
4. Specify the options. List any optional equipment that is desired. This can include hanger studs, contact studs, heat shrink tubing, markings, clear strain relief, etc.

ASTM TABLES & ADDITIONAL SCREW OPTIONS

ASTM F855-04 Table 1 - Protective Grounding Clamp Ratings

| Grade | Grounding Clamp Torque Strength, min | | | | Short Circuit Properties ^A | | | | | | | | | | Continuous Current Rating, A RMS, 60 Hz | Minimum Cable Size with Ferrule Installed Equal or Larger Than |
|-------|--------------------------------------|----|----------|----|---------------------------------------|--------------------|--------------------|---|--------------------|--------------------|-----------------|--------------------------------|-----|--------------------|---|--|
| | Yield ^B | | Ultimate | | Withstand Rating, Symmetrical kA | | | Ultimate Rating/Capacity, ^{C,D} Symmetrical kA | | | | | | | | |
| | | | | | RMS, 60 Hz | | | RMS, 60 Hz | | | | | | | | |
| | | | | | 15 cycles (250 ms) | 30 cycles (500 ms) | Copper Cable Size | 6 cycles (100 ms) | 15 cycles (250 ms) | 30 cycles (500 ms) | 60 cycles (1 s) | Maximum Copper Test Cable Size | | | | |
| 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 komil | 350 | 3/0 | | |
| 5 | 330 | 37 | 400 | 45 | 43 | 30 | 4/0 | 94 | 59 | 42 | 29 | 250 komil | 400 | 4/0 | | |
| 6 | 330 | 37 | 400 | 45 | 54 | 39 | 250 komil or 2 2/0 | 111 | 70 | 49 | 35 | 350 komil | 450 | 250 komil or 2 2/0 | | |
| 7 | 330 | 37 | 400 | 45 | 74 | 54 | 350 komil or 2 4/0 | 155 | 98 | 69 | 48 | 550 komil | 550 | 350 komil or 2 4/0 | | |

^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 Yield shall mean no permanent deformation such that the clamp cannot be reused throughout its entire range of application.
^C Ultimate rating represents a symmetrical current which the clamp shall carry for the specified time.
^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.

Reprinted, with permission, from ASTM F855-04 Table 1 - Protective Grounding Clamp Ratings, copyright ASTM International, 100 Barr Harbor Drive, West Conshohocken, PA 19428. A copy of the complete standard may be obtained from ASTM, www.astm.org

ASTM F855-04 Table 2 - Grounding Cable Ferrule and Assembly Ratings

| Grade | Cable Size | Short Circuit Properties ^A —Symmetrical kA RMS 60 Hz | | | | | | 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 (500 ms) | 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 komil | 54 | 39 | 111 | 70 | 49 | 35 | 450 |
| 7 | 350 komil | 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 Ultimate value based upon application of Onderdonk's equation to 98 % of nominal circular mil area allowed by Specifications B 172 and B 173.

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ADDITIONAL SCREW OPTIONS AVAILABLE

Options Available Where Designated



B

Bayonet



S

Stainless Steel Eye



BE

Brass Eye



PG

Posigrip



QC

Quick Change



RT

Removable T-Handle



T

Stainless Steel T-Handle



TB

Bronze T-Handle

SNAP-ON/DUCK BILL GROUNDING CLAMPS



| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|--------------------------------------|--|-----------|------------------------|------------------|---------------------|-------------------------------|
| M U N I M U A L | SMALL SNAP-ON CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-1/8" | | | | | |
| | 767E | AL | Smooth Jaw, Threaded | Eye, SS | 1.4 (0.63) | 3 / A / 7 |
| | 761E | AL | Smooth Jaw, Pin | Eye, SS | 1.4 (0.63) | 3 / A / 7 |
| | SMALL SNAP-OPEN CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-1/8" | | | | | |
| | 768E | AL | Smooth Jaw, Threaded | Eye, SS | 1.4 (0.63) | 3 / A / 7 |
| | SNAP-ON CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-5/8" | | | | | |
| | 760006E | AL | Smooth Jaw, Threaded | Eye, SS | 3.0 (1.36) | 5 / A / 7 |
| | 7600S6E | AL | Serrated Jaw, Threaded | Eye, SS | 3.0 (1.36) | 5 / B / 7 |
| | SNAP-ON CLAMPS with ALUMINUM PARKING STAND, Clamp Opening: Min. 3/16" - Max. 1-5/8" | | | | | |
| | 767PSE | AL | Smooth Jaw, Threaded | Eye, SS | 1.6 (0.73) | 3 / A / 7 |
| | SNAP-ON CLAMPS with ALUMINUM PARKING STAND & Strain Relief, Clamp Opening: Min. 3/16" - Max. 1-5/8" | | | | | |
| | 760SR6PSE | AL | Smooth Jaw, Threaded | Eye, SS | 1.6 (0.73) | 5 / A / 7 |
| | SNAP-ON CLAMPS with STRAIN RELIEF, Clamp Opening: Min. 3/16" - Max. 1-5/8" | | | | | |
| | 760SR6E | AL | Smooth Jaw, Threaded | Eye, SS | 2.2 (1.00) | 5 / A / 7 |
| | 760SRS6E | AL | Serrated Jaw, Threaded | Eye, SS | 2.2 (1.00) | 5 / B / 7 |

"C" TYPE GROUNDING CLAMPS

.75" & 1.25" Size



| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|----------|---|-----------|------------------------|------------------|---------------------|-------------------------------|
| ALUMINUM | "C" CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-1/4" | | | | | |
| | 760001E | AL | Smooth Jaw, Threaded | Eye, SS | 1.0 (0.45) | 5 / A / 7 |
| | 760001EB | AL | Smooth Jaw, Threaded | Eye, BR | 1.0 (0.45) | 5 / A / 7 |
| | 760001RT | AL | Smooth Jaw, Threaded | Removable T, SS | 1.0 (0.45) | 5 / A / 7 |
| BRONZE | 760001T | AL | Smooth Jaw, Threaded | T-Handle, SS | 1.0 (0.45) | 5 / A / 7 |
| | 7600S1EB | AL | Serrated Jaw, Threaded | Eye, BR | 1.0 (0.45) | 5 / B / 7 |
| | 760CM1E | BR | Smooth Jaw, Threaded | Eye, SS | 3.3 (1.50) | 5 / A / 7 |
| | 760MS1E | BR | Serrated Jaw, Threaded | Eye, SS | 3.3 (1.50) | 5 / B / 7 |
| ALUMINUM | "C" CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-1/4" - with Parking Stand | | | | | |
| | 760001PSE | AL | Smooth Jaw, Threaded | Eye, SS | 1.3 (0.59) | 5 / A / 7 |
| | 7600S1PSE | AL | Serrated Jaw, Threaded | Eye, SS | 1.3 (0.59) | 5 / B / 7 |
| | "C" CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-1/4" - with STEEL Parking Stand | | | | | |
| ALUMINUM | 760001CS | AL | Smooth Jaw, Threaded | Eye, SS | 1.3 (0.59) | 5 / A / 7 |
| | "C" CLAMPS with STRAIN RELIEF, Clamp Opening: Min. 3/16" - Max. 1-1/2" | | | | | |
| | 760SR1EB | AL | Smooth Jaw, Threaded | Eye, BR | 1.6 (0.75) | 5 / A / 7 |
| | 760SRS1E | AL | Serrated Jaw, Threaded | Eye, SS | 5.0 (2.27) | 5 / A / 7 |

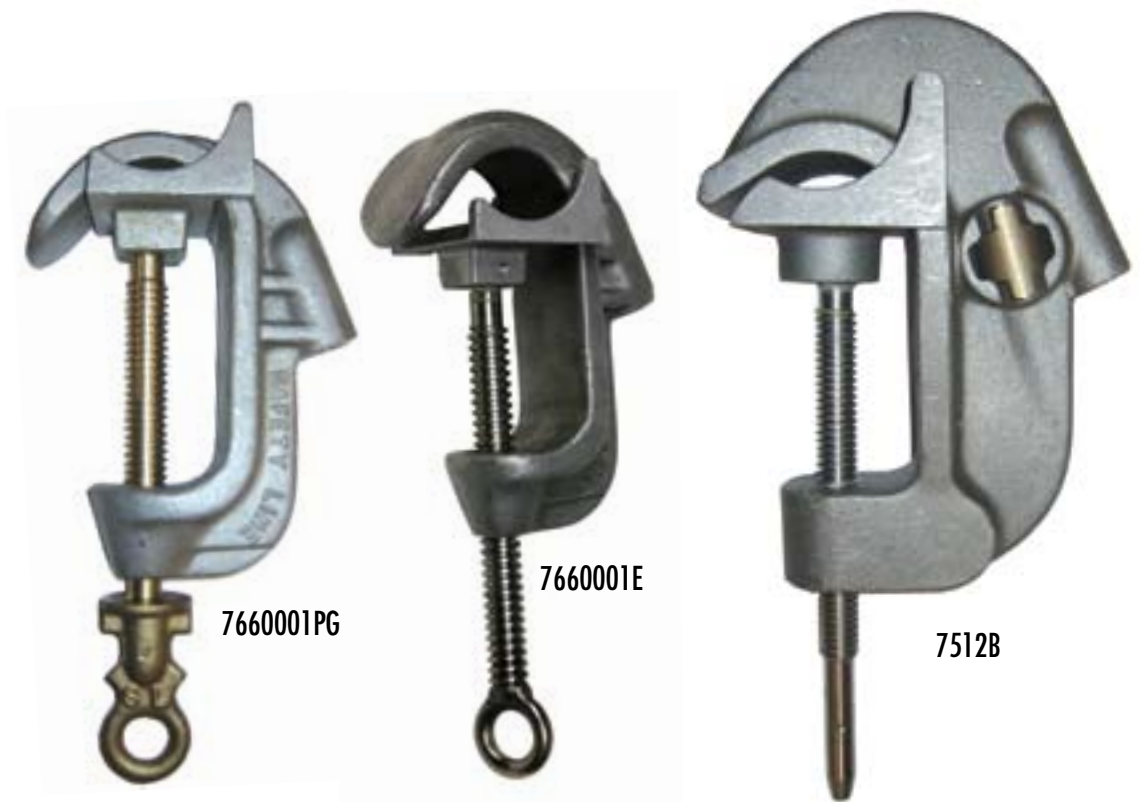
Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|----------|--|-----------|------------------------|------------------|---------------------|-------------------------------|
| ALUMINUM | SMALL "C" CLAMPS, Clamp Opening: Min. 3/16" - Max. 3/4" | | | | | |
| | 7640001E | AL | Smooth Jaw, Threaded | Eye, SS | 1.0 (0.45) | 5 / A / 7 |
| BRONZE | 7640001EB | AL | Smooth Jaw, Threaded | Eye, BR | 1.0 (0.45) | 5 / A / 7 |
| | 7640CM1E | BR | Smooth Jaw, Threaded | Eye, SS | 3.0 (1.40) | 5 / A / 7 |
| ALUMINUM | 76400S1E | AL | Serrated Jaw, Threaded | Eye, SS | 1.0 (0.45) | 5 / B / 7 |
| | 76400S1EB | AL | Serrated Jaw, Threaded | Eye, BR | 1.0 (0.45) | 5 / B / 7 |
| BRONZE | 7640CMS1E | BR | Smooth Jaw, Threaded | Eye, SS | 3.0 (1.40) | 5 / B / 7 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

"C" TYPE GROUNDING CLAMPS

2.125" - 2.5" Size



| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|---------------------------------|--|-----------|------------------------|------------------|---------------------|-------------------------------|
| M U N I M A L | LARGE "C" CLAMP, Clamp Opening: Min. 1/4" - Max. 2-1/8" | | | | | |
| | 7660001E | AL | Smooth Jaw, Threaded | Eye, SS | 2.0 (0.91) | 5 / A / 7 |
| | 76600S1E | AL | Serrated Jaw, Threaded | Eye, SS | 2.0 (0.91) | 5 / B / 7 |
| | 76600S1PG | AL | Serrated Jaw, Threaded | Posigrip, SS | 2.0 (0.91) | 5 / B / 7 |
| A L U M | LARGE "C" CLAMP, Clamp Opening: Min. 1/2" - Max. 2-1/2" | | | | | |
| | 7512B | AL | Smooth Jaw, Threaded | Bayonet, SS | 4.0 (1.82) | 5 / A / 1, 7 |
| | 7512Q | AL | Smooth Jaw, Threaded | Quick Change, SS | 4.0 (1.82) | 5 / A / 1, 7 |
| | 7512E | AL | Smooth Jaw, Threaded | Eye, SS | 4.0 (1.82) | 5 / A / 1, 7 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

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BUS BAR AND BUS BAR ALLIGATOR CLAMPS



7575FTE



7541B



7541T

| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|----------------------------|--|-----------|------------------------|------------------|---------------------|-------------------------------|
| B R O N Z E | BUS BAR ALLIGATOR CLAMPS, Clamp Opening: Min. 15/64" - Max. 1/2" | | | | | |
| | 7575FE | BR | Smooth Jaw, Threaded | Eye, SS | 2.0 (0.91) | 2 / A / 7 |
| | 7575FEST | BR | Smooth Jaw, Threaded | Eye-T, SS | 2.0 (0.91) | 2 / A / 7 |
| | 7575FGA | BR | Smooth Jaw, Threaded | Grip All, SS | 2.0 (0.91) | 2 / A / 7 |
| | BUS BAR ALLIGATOR CLAMPS, Clamp Opening: Min. 15/64" - Max. 1/2" - with Parking Stand | | | | | |
| | 7575FPSE | BR | Smooth Jaw, Threaded | Eye, SS | 2.0 (0.91) | 2 / A / 7 |
| | BUS BAR ALLIGATOR CLAMPS with TEETH, Clamp Opening: Min. 15/64" - Max. 1/2" | | | | | |
| | 7575FTE | BR | Serrated Jaw, Threaded | Eye, SS | 2.0 (0.91) | 2 / B / 7 |
| | 7575FTGA | BR | Serrated Jaw, Threaded | Grip All, SS | 2.0 (0.91) | 2 / B / 7 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|---|--|-----------|------------------------|------------------|---------------------|-------------------------------|
| A L U M I N I U M | BUS BAR CLAMPS, Clamp Opening: Min. 5/16" - Max. 4-3/8" | | | | | |
| | 7541E | AL | Serrated Jaw, Threaded | Eye, SS | 2.0 (0.91) | 5 / B / 7 |
| | 7542B | AL | Serrated Jaw, Pin | Bayonet, SS | 2.0 (0.91) | 5 / B / 1 |
| | 7541T | AL | Serrated Jaw, Threaded | T-Handle, SS | 2.0 (0.91) | 5 / B / 7 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

LARGE SUBSTATION BUS CLAMPS



7310E



R101DE



73065E

| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|---|--|-----------|------------------------|------------------|---------------------|-------------------------------|
| A L U M I N I U M | LARGE SUBSTATION BUS CLAMPS, Clamp Opening: Min. 1/2" - Max. 4-1/2" | | | | | |
| | 7310E | AL | Smooth Jaw, Pin | Eye, SS | 4.0 (1.82) | 5 / A / 1, 7 |
| | 7311E | AL | Smooth Jaw, Threaded | Eye, SS | 4.0 (1.82) | 5 / A / 1, 7 |
| | R101DE | AL | Serrated Jaw, Threaded | Eye, SS | 4.0 (1.82) | 5 / B / 7 |
| | 73065E | AL | Smooth Jaw, Threaded | Eye, SS | 6.7 (3.00) | 5 / B / 7 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

CUTOUT CLAMPS & RUNNING RAIL CLAMPS

Cutout Clamps are applied with a clampstick into the bottom hinge contact of a cutout. This clamp can be used as part of a ground assembly or by using a contact stud using a standard grounding assembly with “C” clamps from the stud to ground.

The **Running Power Rail Ground Set** is 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.



| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|----------|---|-----------|----------------------|------------------|---------------------|-------------------------------|
| ALUMINUM | CUTOUT CLAMPS - Clamp Opening: Min. 3/16" - Max. 1-5/8" | | | | | |
| | 7640002E | AL | Smooth Jaw, Threaded | Eye, SS | 1.0 (0.45) | 3 / A / 7 |
| | 7640002EB | AL | Smooth Jaw, Threaded | Eye, BR | 1.0 (0.45) | 3 / A / 7 |
| BRONZE | 7640CM2T | BR | Smooth Jaw, Threaded | T-Handle, SS | 2.0 (0.91) | 3 / A / 7 |
| ALUMINUM | CUTOUT CLAMPS - With Aluminum Double Parking Stand - Clamp Opening: Min. 3/16" - Max. 1-5/8" | | | | | |
| | 7640002PSE | AL | Smooth Jaw, Threaded | Eye, SS | 1.2 (0.5) | 3 / A / 7 |
| | 7640002PSEB | AL | Smooth Jaw, Threaded | Eye, BR | 1.2 (0.5) | 3 / A / 7 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|---|---|-----------|--------------------------|-------------------|---------------------|-------------------------------|
| M | RUNNING RAIL CLAMP, Clamp Opening: Min. 5" - Max. 5-3/4" | | | | | |
| | 7560 | AL | Smooth Jaw, Pin | Toggle Handle, SS | 5.0 (2.27) | 5 / B / 1 |
| | POWER RAIL CLAMPS, Clamp Opening: Min. 0" - Max. 4" | | | | | |
| I | 7561A | AL | Smooth Jaw, Pin | Bayonet, SS | 7.0 (3.17) | 5 / B / 1 |
| | 7561B | AL | Smooth Jaw, Threaded | Bayonet, SS | 7.0 (3.17) | 5 / B / 1 |
| M | RUNNING POWER RAIL GROUND SET | | | | | |
| | 7561 | AL | - | - | 15 (6.80) | - |
| | TRAVELING GROUND CLAMPS - With Contact Stud - Clamp Opening: Min. 1/8" - Max. 1-5/8" | | | | | |
| A | 78000 | AL | Smooth Jaw, Pin/Threaded | Eye, SS | 10 (4.54) | 3 / A / 1, 7 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

GROUNDING CLAMPS FOR FLATS & ANGLES



| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|-------------------|---|-----------|------------------------|------------------|---------------------|-------------------------------|
| MINIMUM AVAILABLE | FLAT FACE CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-3/8" | | | | | |
| | 760002E | AL | Serrated Jaw, Pin | Eye, SS | 1.0 (0.45) | 5 / B / 1 |
| | 760002EB | AL | Serrated Jaw, Pin | Eye, BR | 1.0 (0.45) | 5 / B / 1 |
| | 760002T | AL | Serrated Jaw, Pin | T-Handle, SS | 1.0 (0.45) | 5 / B / 1 |
| | FLAT FACE CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-1/2" | | | | | |
| | 760003B | AL | Serrated Jaw, Threaded | Bayonet, SS | 1.2 (0.54) | 5 / B / 7 |
| | 760003E | AL | Serrated Jaw, Threaded | Eye, SS | 1.2 (0.54) | 5 / B / 7 |
| | 760003EB | AL | Serrated Jaw, Threaded | Eye, SS | 1.2 (0.54) | 5 / B / 7 |
| | 760CM3T | BR | Serrated Jaw, Threaded | T-Handle, SS | 3.2 (1.40) | 5 / B / 7 |
| | FLAT FACE CLAMPS, Clamp Opening: Min. 3/16" - Max. 1-3/8" - with Strain Relief | | | | | |
| BRASS | 760SR3E | AL | Serrated Jaw, Threaded | Eye, SS | 1.5 (0.68) | 5 / B / 7 |
| | 760CMSR3E | BR | Serrated Jaw, Threaded | Eye, SS | 4.5 (2.0) | 5 / B / 7 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

| | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|-------------------|---|-----------|---|------------------|---------------------|-------------------------------|
| MINIMUM AVAILABLE | ALL ANGLE CLAMPS, Clamp Opening: Min. 1/4" - Max. 2-1/2" | | | | | |
| | 7315E | AL | Serrated Jaw, Threaded | Eye, SS | 4.3 (2.00) | 5 / B / 7 |
| | 7315B | AL | Serrated Jaw, Threaded | Bayonet, SS | 4.3 (2.00) | 5 / B / 7 |
| | 7315PG | AL | Serrated Jaw, Threaded | Posigrip, BR | 4.3 (2.00) | 5 / B / 7 |
| | TOWER ANGLE CLAMPS with Copper Parking Stand - Rated for 49kA for 15 cycles w/ X/R=25 | | | | | |
| | 7316E | AL | Smooth Jaw - Inside Angle Clamp 4" max.- | Eye, SS | | - |
| | 7304DE | AL | Smooth Jaw - Outside Angle Clamp 4" max.- | Eye, SS - | | |
| | TOWER ANGLE CLAMPS, Clamp Opening: Min. 5/16" - Max. 1-5/8" | | | | | |
| | 73025T | AL | Smooth Jaw, Threaded | T-Handle, SS | 2.5 (1.14) | 5 / A / 7 |
| | TOWER ANGLE CLAMPS, Clamp Opening: Min. 1/4" - Max. 15/16" | | | | | |
| AVAILABLE | 7304T | AL | Smooth Jaw, Threaded | T-Handle, SS | 3.3 (1.50) | 5 / A / 7 |
| | 7314T | AL | Smooth Jaw, Pin | T-Handle, SS | 3.3 (1.50) | 5 / A / 1 |
| | TOWER ANGLE CLAMPS, Clamp Opening: Min. 1/4" - Max. 15/16" | | | | | |
| | 7320SB | AL | Smooth Jaw, Pin | Bayonet, SS | 5.0 (2.27) | 5 / A / 1 |
| AVAILABLE | LARGE TOWER ANGLE CLAMP, Clamp Opening: Max. 2-1/2" - with Spike Point, No Ground Lead | | | | | |
| | 7320PGA | AL | Smooth Jaw, Pin | Grip All, SS | 3.3 (1.50) | 5 / A / 1 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

SALISBURY

by Honeywell

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BALL & SOCKET SYSTEM

Socket Clamp

The **Ball and Socket Grounding System** allows for variable angle accessibility. This system is compact and lightweight. There are fixed grounding points on the socket clamp.

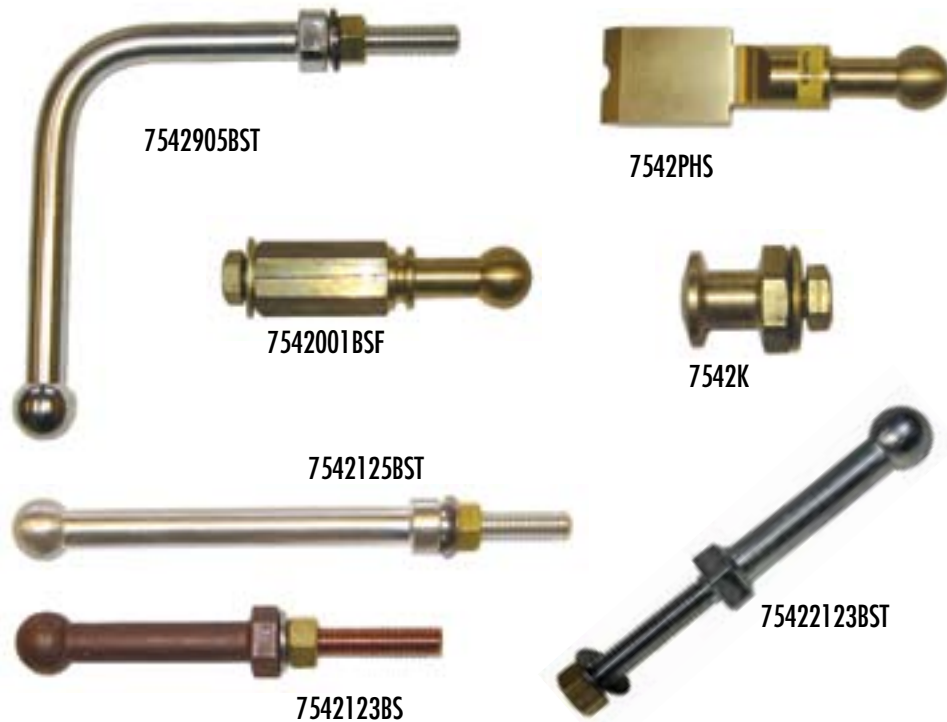


| B R O N Z E | Cat. No. | Body Mat. | Clamp | Screw Type, Mat. | Weight lbs. (kgs) | ASTM Class / Grade / Terminal |
|----------------------------|--|-----------|----------------------|------------------|---------------------|-------------------------------|
| | BALL SOCKET CLAMPS, Clamp Opening: Designed for 1" Ball Stud | | | | | |
| | 7542CM1B | BR | Smooth Jaw, Threaded | Bayonet, SS | 1.5 (.68) | 5 / A / 7 |
| | 7542CM1E | BR | Smooth Jaw, Threaded | Eye, SS | 1.5 (.68) | 5 / A / 7 |
| | 7542CM1PG | BR | Smooth Jaw, Threaded | Posigrip, BR | 1.5 (.68) | 5 / A / 7 |
| | 7542CM1T | BR | Smooth Jaw, Threaded | T-Handle, SS | 1.5 (.68) | 5 / A / 7 |
| | 7542CM2E | BR | Smooth Jaw, Pin | Eye, SS | 1.9 (.86) | 5 / A / 1 |

Additional screw options available (see page 4). Contact your local Salisbury Representative for more information.

BALL & SOCKET SYSTEM

Ball Studs



| Cat. No. & Description | | ASTM Grade | Threads | Weight oz. (g) |
|----------------------------|----------------------------|------------|---------------------------------------|------------------|
| STRAIGHT BALL STUDS | | | | |
| 7542121BS | Copper | 5 | 1/2-13, 2.12" Ingth, 1" Shank Ingth | 9 (16) |
| 7542123BS | Copper | 5 | 1/2-13, 2.12" Ingth, 3" Shank Ingth | 13 (23) |
| 7542123BST | Tin-Plated Copper | 5 | 1/2-13, 2.12" Ingth, 3" Shank Ingth | 13 (23) |
| 7542125BST | Tin-Plated Copper | 5 | 1/2-13, 2.12" Ingth, 5.5" Shank Ingth | 16 (28) |
| 7542385BST | Tin-Plated Copper | 5 | 3/8-16, 2.12" Ingth, 5.5" Shank Ingth | 16 (28) |
| SPECIAL BALL STUDS | | | | |
| 7542905BS | Copper, 90° Ball Stud | 3 | 1/2-13, 2.12" Ingth, 5.5" Shank Ingth | 20 (35) |
| 7542905BST | T-P Copper, 90° Ball Stud | 3 | 1/2-13, 2.12" Ingth, 5.5" Shank Ingth | 20 (35) |
| 7542PHS | Brass, Pothead Stud, Spade | 2 | 0.88" Shank Ingth | 14 (25) |
| 7542001BSF | Brass, Female Ball Stud | 2 | 1/2-13, 1.5" Ingth, 1" Shank Ingth | 14 (25) |
| GROUND KNOBS | | | | |
| 7542K | Brass, 3/4" Ground Knob | 3 | 1/2-13, 1" Ingth, 0.75" Shank Ingth | 6 (11) |

THREADED & PIN GROUNDING FERRULES

For **Threaded Ferrules** (Terminals) the recommended torque applied during installation of jam nut for threaded ferrules is 20 ft.-lb. These threaded ferrules include one brass jam nut and one lock washer.

For **Pin Terminals** the recommended torque applied during installation of pin ferrule eye bolts is 28 ft.-lb.



| | Cat. No. | Conductor Size | Style | Stud Size | Body Die Codes | Shroud Die Codes | Length Stripped inches |
|---|-------------------|----------------|----------|-----------|----------------|------------------|------------------------|
| R E P P O C | SHROUDED | | | | | | |
| | 760001CT40 | #2 | Threaded | 5/8-11 | U27RT | U27ART | 1-5/8 |
| | 7600011CT41 | 1/0 | Threaded | 5/8-11 | T&B 66 | B75-AH | 1-15/16 |
| | 7600011CT42 | 2/0 | Threaded | 5/8-11 | T&B 66 | B75-AH | 2 |
| | 76CT43 | 4/0 | Threaded | 5/8-11 | T&B 66 | B75-AH | 2 |
| | 760001PT40 | #2 | Pin | 11/16 | U27RT | U27ART | 1-5/8 |
| | 7600011PT41 | 1/0 | Pin | 11/16 | T&B 66 | B75-AH | 1-15/16 |
| | 7600011PT42 | 2/0 | Pin | 11/16 | T&B 66 | B75-AH | 2 |
| | 76PT43 | 4/0 | Pin | 11/16 | T&B 66 | B75-AH | 2 |
| | UNSHROUDED | | | | | | |
| | 98132022 | #2 | Threaded | 5/8-11 | U243 | - | 1-5/16 |
| | 98132023 | 1/0 | Threaded | 5/8-11 | U243 | - | 1-5/16 |
| | 98132024 | 2/0 | Threaded | 5/8-11 | T&B 60 | - | 1-5/16 |
| | 98132025 | 4/0 | Threaded | 5/8-11 | T&B 62 | - | 1-5/16 |
| | 98132022P | #2 | Pin | 11/16 | U243 | - | 1-5/16 |
| | 98132023P | 1/0 | Pin | 11/16 | U243 | - | 1-5/16 |
| | 98132024P | 2/0 | Pin | 11/16 | T&B 60 | - | 1-5/16 |
| | 98132025P | 4/0 | Pin | 11/16 | T&B 62 | - | 1-5/16 |
| Add suffix "T" to the catalog number when requesting tin-plated copper. | | | | | | | |
| U N I M U A | SHROUDED | | | | | | |
| | 760001AT40 | #2 | Threaded | 5/8-11 | U27RT | U27ART | 1-5/8 |
| | 7600011AT41 | 1/0 | Threaded | 5/8-11 | T&B 66 | B75-AH | 1-15/16 |
| | 7600011AT42 | 2/0 | Threaded | 5/8-11 | T&B 66 | B75-AH | 2 |
| | 76AT43 | 4/0 | Threaded | 5/8-11 | T&B 66 | B75-AH | 2 |
| | 760001PA40 | #2 | Pin | 11/16 | U27RT | U27ART | 1-5/8 |
| | 7600011PA41 | 1/0 | Pin | 11/16 | T&B 66 | B75-AH | 1-15/16 |
| | 7600011PA42 | 2/0 | Pin | 11/16 | T&B 66 | B75-AH | 2 |
| | 76PA43 | 4/0 | Pin | 11/16 | T&B 66 | B75-AH | 2 |
| | UNSHROUDED | | | | | | |
| | 98132A22 | #2 | Threaded | 5/8-11 | U243 | - | 1-5/16 |
| | 98132A23 | 1/0 | Threaded | 5/8-11 | U243 | - | 1-5/16 |
| | 98132A24 | 2/0 | Threaded | 5/8-11 | T&B 60 | - | 1-5/16 |
| | 98132A25 | 4/0 | Threaded | 5/8-11 | T&B 62 | - | 1-5/16 |
| | 98132A22P | #2 | Pin | 11/16 | U243 | - | 1-5/16 |
| | 98132A23P | 1/0 | Pin | 11/16 | U243 | - | 1-5/16 |
| | 98132A24P | 2/0 | Pin | 11/16 | T&B 60 | - | 1-5/16 |
| | 98132A25P | 4/0 | Pin | 11/16 | T&B 62 | - | 1-5/16 |

Grounding Cables are made with extra flexible strand of soft drawn #30 AWG (.01") copper and are available in two different jackets.

The **yellow** thermoplastic elastomer jacketed cable is the standard for grounding service. It provides a combination of economy, flexibility, and durability. The service temperature ranges from 200° to -50°F per ASTM F 855, Type I requirements. The **transparent flexible thermoplastic** (PVC) jacketed cable allows easy inspection for strand breakage. The flexibility decreases with low temperatures. The minimum recommended service temperature is 0°F per ASTM F 855, Type III requirements.



| | Cat. No. | Conductor Size | Conductor Typ. O.D. | Jacket Typ. O.D. | ASTM F855 Grade | Fault Duty 15 Cycles | Wt. / ft. lbs. (kgs) |
|--------|----------|----------------|---------------------|------------------|-----------------|----------------------|------------------------|
| CLEAR | 73310XF | #10 | .11" | .25" | n/a | n/a | 0.06 (0.09) |
| | 7336XF | #6 | .21" | .37" | n/a | 3.5 | 0.13 (0.19) |
| | 7340XF | #2 | .33" | .50" | 1 | 14.0 | 0.29 (0.43) |
| | 7341XF | 1/0 | .45" | .64" | 2 | 21.0 | 0.52 (0.77) |
| | 7342XF | 2/0 | .47" | .66" | 3 | 27.0 | 0.54 (0.80) |
| | 7343XF | 4/0 | .63" | .84" | 5 | 43.0 | 0.84 (1.25) |
| YELLOW | 7341XFY | 1/0 | .45" | .64" | 2 | 21.0 | 0.52 (0.77) |
| | 7342XFY | 2/0 | .47" | .66" | 3 | 27.0 | 0.54 (0.80) |
| | 7343XFY | 4/0 | .63" | .84" | 5 | 43.0 | 0.84 (1.25) |

ADAPTERS & TRUCK GROUNDING REEL

The **“T” Handle Adapter** allows the user to quickly and easily change an eye screw into a “T” handle screw.

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

| Cat. No. | Weight lbs. (kgs) |
|---------------------------|------------------------|
| “T” HANDLE ADAPTER | |
| 760001HDL | 0.5 (0.21) |

| Cat. No. | Description | Weight lbs. (kgs) |
|-----------------|-------------------------|------------------------|
| ADAPTERS | | |
| 7300ABC | Pin to Threaded Adapter | 0.5 (0.21) |
| 7310G | Eye Bolt Assembly | 0.5 (0.21) |
| 7300AET | Pin to Threaded Adapter | 0.5 (0.21) |

760001HDL



7300ABC



7310G



7300AET

Truck Grounding Reels are 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.



HCR0250

| Cat. No. | Cable Length | Cable Size | Fault Duty 15 CYCLES | ASTM F-855 Grade | Weight lbs. (kgs) |
|--|--------------------------------|------------|-------------------------|---------------------|------------------------|
| TRUCK GROUNDING REEL SPRING REWIND, 760001E Clamp | | | | | |
| HSCR0240 | 40' (12.2 m) | #2 | 14.5 kA | 1 | 39 (17.7) |
| HSCR0250 | 50' (15.2 m) | #2 | 14.5 kA | 1 | 42 (19.0) |
| HSCR1040 | 40' (12.2 m) | 1/0 | 21 kA | 2 | 48 (21.7) |
| HSCR1050 | 50' (15.2 m) | 1/0 | 21 kA | 2 | 53 (24.0) |
| TRUCK GROUNDING REEL HAND REWIND, 760001E Clamp | | | | | |
| HCR0240 | 40' (12.2 m) | #2 | 14.5 kA | 1 | 36 (16.3) |
| HCR0250 | 50' (15.2 m) | #2 | 14.5 kA | 1 | 39 (17.7) |
| HCR1040 | 40' (12.2 m) | 1/0 | 21 kA | 2 | 46 (20.8) |
| HCR1050 | 50' (15.2 m) | 1/0 | 21 kA | 2 | 51 (23.1) |
| REELS WITHOUT CABLE | | | | | |
| HSCR1 | Reel only, spring rewind | | 21 kA | 2 | 27 (12.2) |
| HCR1 | Reel only, hand rewind | | 21 kA | 2 | 25 (11.3) |
| HC1 | Reel storage only, hand rewind | | N/A | N/A | 26 (11.8) |

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.

GROUNDING ACCESSORIES

The **Pole Band** is lightweight and easy to install. It is a required component of equal potential zone grounding systems.

Truck Grounding Kit 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.

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.



760001PB



760045PB



7542TGK



98SADGA

| Cat. No. | Description | Fault Duty 15 Cycles | Grade | Weight lbs. (kgs) |
|------------------|--------------|-------------------------|-------|------------------------|
| POLE BAND | | | | |
| 760001PB | Aluminum Bar | 27 kA | 3 | 4 (1.81) |
| 760045PB | Copper Bar | 43 kA | 5 | 5 (2.27) |

| Cat. No. | Description | Weight lbs. (kgs) |
|----------------------------|----------------------------------|------------------------|
| TRUCK GROUNDING KIT | | |
| 7542TGK | Truck Grounding Kit with Stud | 2 (0.91) |
| 7542TGKLS | Truck Grounding Kit without Stud | 1.5 (0.68) |

| Cat. No. | Description | Max. Opening | Continuous Duty | Weight lbs. (kgs) |
|--|-------------------|--------------|--------------------|------------------------|
| JUMPER HEADS WITH THREADED ADAPTERS | | | | |
| 98SADGA | Grip All Wide Jaw | 1-9/16" | 600 amps | 3 (1.36) |

GROUNDING SETS

Single Point Distribution Grounding Set

Sets for Grounded “Y” Systems provide all the equipment required to safely ground a variety of structures on a grounded “Y” distribution systems. Factory assembled kits are for conductors ranging from #6 to 1-1/2” (3.8 cm) diameter, with serrated jaw “C” clamps with threaded terminals. All clamps are supplied with eye screws for installation with clampstick (not included). Other lengths and configurations are available.

Standard Equipotential Grounding Sets provide all the equipment required to safely ground a variety of structures on delta 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.



| Cat. No. | Cable Size | Fault Duty 15 Cycles | ASTM Grade | Weight ea. lbs. (kgs) |
|----------------------|--|-------------------------|---------------|----------------------------|
| GROUNDED “Y” SYSTEMS | | | | |
| 763S011 | 2/0 | 27 kA | 3 | 69 (31.3) |
| 763S45 | 4/0 | 43kA | 5 | 110 (49.9) |
| | Complete Grounded “Y” Set Includes | | | |
| | 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 | | | |
| EQUIPOTENTIAL DELTA | | | | |
| 7600011 | 2/0 | 27 kA | 3 | 62 (28.1) |
| 760045 | 4/0 | 43 kA | 5 | 100 (45.4) |
| | Complete Delta Set Includes | | | |
| | 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 | | | |

GROUNDING SETS

4 Way Connector

The **Ground Clusters** are 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. Other lengths and configurations available. Meets ASTM F-855 Grade 1 specifications. Maximum fault duty is 14.5 kA for 15 cycles.



| Cat. No. | Description | Max. Opening in. (cm) | ASTM Grade | Weight ea. lbs. (kgs) |
|----------|--|----------------------------|---------------|----------------------------|
| 752076 | Grounding Cluster with Bayonet Type Clamps | 1 1/4 (3.2) | 1 | 32 (14.5) |
| 752576 | Grounding Cluster with Eye Type Clamps | 1 1/4 (3.2) | 1 | 39 (17.9) |

GROUNDING SETS

Ball Socket Cluster Sets

Ball Socket Cluster Sets are 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.



| Cat. No. | Cable Size | Fault Duty 15 Cycles | ASTM Grade | Weight ea. lbs. (kgs) |
|-------------|------------|-------------------------|---------------|----------------------------|
| 75420010236 | #2 | 14.5 kA | 1 | 9 (4.08) |
| 75420011036 | 1/0 | 21 kA | 2 | 12 (5.44) |
| 75420012036 | 2/0 | 27 kA | 3 | 14 (6.35) |

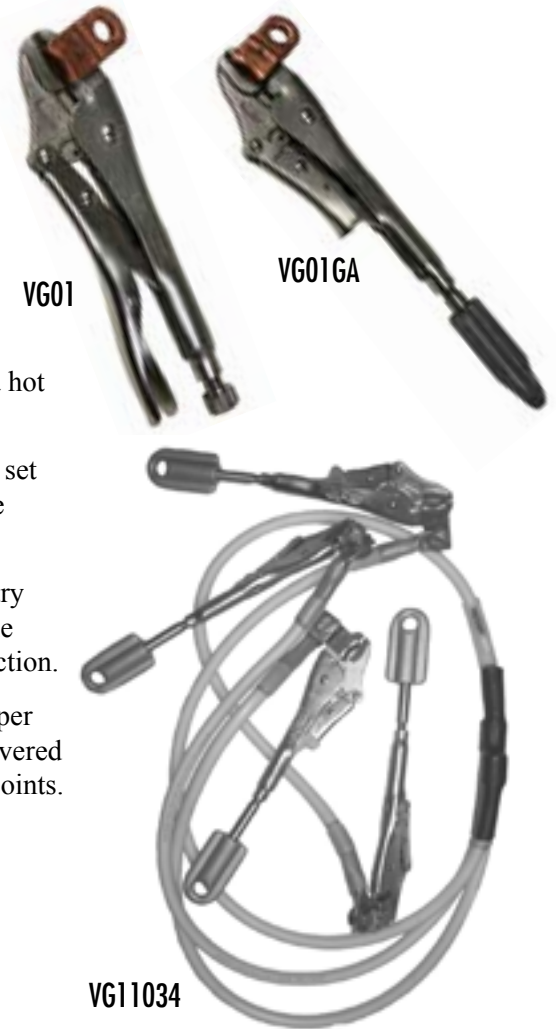
GROUNDING SETS

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 fitting for installation with a live line tool.

- 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.

Optional flat jaw available.



| Cat. No. | Description | Cable Length ft. (m) | ASTM Grade | Weight lbs. (kgs) |
|--|--|---------------------------|---------------|------------------------|
| QUICK GRIP GROUND CLAMPS & CLUSTERS, Clamp Opening: Min. 0.125" - Max. 1.5" | | | | |
| VG01 | Locking Pliers, Cu Overlay | N/A | 3 | 1.5 (0.68) |
| VG01B | Locking Pliers, Cu Overlay. Bayonet | N/A | 3 | 1.6 (0.73) |
| VG01GA | Locking Pliers, Cu Overlay. Grip-All | N/A | 3 | 1.6 (0.73) |
| VG01013 | Single Lead, 1/0 x 3' with VG01 | 3 (0.914) | 3 | 3.6 (1.63) |
| VG01033 | Cluster, 3 Leads, 1/0 x 3' with VG01 | 9 (2.743) | 3 | 10.5 (4.77) |
| VG01034 | Cluster, 4 Leads, 1/0 x 3' with VG01 | 12 (3.657) | 3 | 13.2 (5.99) |
| VG11013 | Single Lead, 1/0 x 3' with VG01GA | 3 (0.914) | 3 | 3.7 (1.68) |
| VG11013B | Single Lead, 1/0 x 3' with VG01GB | 3 (0.914) | 3 | 3.7 (1.68) |
| VG11033 | Cluster, 3 Leads, 1/0 x 3' with VG01GA | 9 (2.743) | 3 | 10.8 (4.9) |
| VG11033B | Cluster, 3 Leads, 1/0 x 3' with VG01GB | 9 (2.743) | 3 | 10.8 (4.9) |
| VG11034 | Cluster, 4 Leads, 1/0 x 3' with VG01GA | 12 (3.657) | 3 | 13.6 (6.17) |
| VG11034B | Cluster, 4 Leads, 1/0 x 3' with VG01GA | 12 (3.657) | 3 | 13.6 (6.17) |

GROUNDING SETS

Cluster Sets

Ground Cluster Sets include three upper heads are easily and safely attached to the line with the fiberglass handles. The ground heads have a maximum opening of 1-3/4" (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.



7661FG

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



CB36

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



76630882

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

| Cat. No. | Cable Size | Fault Duty 15 Cycles | ASTM Grade | Weight ea. lbs. (kgs) |
|----------|---|-------------------------|---------------|----------------------------|
| 766FG | #2 | 14.5 kA | 1 | 42 (19.0) |
| 7661FG | 1/0 | 21 kA | 2 | 43 (19.5) |
| | Standard Cluster Set Includes | | | |
| | 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 | | | |

| Cat. No. | Description | Qty. Required | Weight oz. (g) |
|----------------------------|--------------------------------|------------------|---------------------|
| CLUSTER CONNECTORS | | | |
| For Cluster Grounds | | | |
| 76630882 | Squeeze-on for #2 Cable | 1 | 4 (112) |
| 76630782 | Squeeze-on for 1/0 - 4/0 Cable | 2 | 4 (112) |
| CB36 | 4-Way Cluster Block, Cu | 1 | 3 (1.36) |
| CA36 | 4-Way Cluster Block, Al | 1 | 2 (0.9) |

| Cat. No. | Description | Weight oz. (g) |
|----------------------|----------------------------------|---------------------|
| PARKING STUDS | | |
| 76000APS | Single Stud | 3 (84) |
| SHRINK TUBE | | |
| 761ST | 6" (15 cm) for Shrouded Ferrules | 6 (168) |

GROUNDING SETS

Industrial Ground Cluster & Ground Sets

The **Industrial Ground Cluster** 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. All ground heads (Cat. Nos. 7541B and 7541T) will accept 4"x4" (10.2 x 10.2 cm) copper or aluminum bus configurations.

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 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.



| Cat. No. | Description | Weight lbs. (kgs) |
|----------------------------------|---------------------------------------|------------------------|
| INDUSTRIAL GROUND CLUSTER | | |
| 7551 | Industrial Ground Set - with Bayonet | 35 (15.8) |
| 7551GA | Industrial Ground Ser - with Grip All | 35 (15.8) |

| Cat. No. | | Clamp Used | Fault Duty 15 Cycles | ASTM Grade | Weight ea. lbs. (kgs) |
|---|-------------------|---------------|-------------------------|---------------|----------------------------|
| LIGHTWEIGHT INDUSTRIAL GROUND SETS | | | | | |
| 75FGT0266 | Lightweight | 7575FTE | 14.5 kA | 1 | 15 (6.80) |
| 7640244GA | Ultra Lightweight | 7640001E | 14.5 kA | 1 | 13 (5.90) |

SALISBURY

by Honeywell

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HYDRAULIC GROUND, BLADE, & CABLE SPIKE CLAMPS



| Cat. No. | Description | Pump MDL / p.s.i. | Cable Assembly Cable | ASTM Fault / Duty Cycles / Grade | Weight lbs. (kgs) |
|---|----------------------------|----------------------|-------------------------|--|------------------------|
| HYDRAULIC GROUND SPIKE CLAMPS: Clamp Cat. No. 760001E, Spike Depth 1 5/8", Conductor Min. 1" - Max. 3" | | | | | |
| 1715EPP | Spike Point w/ Eye Screw | 1715PE / 1200 | 1/0 Clear | 14.5kA / 15 / 1 | 28 (12.7) |
| 1715PFP | Spike Point w/ Eye Screw | 1715PF / 1200 | 1/0 Clear | 14.5kA / 15 / 1 | 32 (14.5) |
| 17150060EPP | Spike Point w/ Eye-T Screw | 1715PE / 1200 | 1/0 Clear | 14.5kA / 15 / 1 | 28 (12.7) |
| 17150060PFP | Spike Point w/ Eye-T Screw | 1715PE / 1200 | 1/0 Clear | 14.5kA / 15 / 1 | 32 (14.5) |
| NOTE: Suffix EPP = Enerpac Pump Suffix PFP = Porter Ferguson Pump | | | | | |

| Cat. No. | Pump MDL / p.s.i. | Spike Depth | Conductor Max in. (cm) | Cable Assembly Cable | ASTM Fault / Duty Cycles / Grade | Weight lbs. (kgs) |
|---|----------------------|----------------|--------------------------------|-------------------------|--|------------------------|
| HYDRAULIC BLADE SPIKE CLAMPS: Spike Blade w/ Eye Screw, Clamp Cat. No. 760001E | | | | | | |
| 17150063EPP | 1715EP25 / 2500 | 3" | 2 1/4 (5.7) | 1/0 Clear | 14.5kA / 15 / 1 | 30 (13.6) |
| 17150063PFP | 1715PF25 / 2500 | 3" | 2 1/4 (5.7) | 1/0 Clear | 14.5kA / 15 / 1 | 34 (15.4) |
| 17150066 | 1715P392 / 10000 | 6" | 4 1/2 (10.8) | 1/0 Clear | 14.5kA / 15 / 1 | 85 (38.6) |
| NOTE: Suffix EPP = Enerpac Pump Suffix PFP = Porter Ferguson Pump | | | | | | |

| Cat. No. | Pump MDL / p.s.i. | Conductor Max in. (cm) | Cable Assembly Cable | ASTM Fault / Duty Cycles / Grade | Weight lbs. (kgs) |
|--|----------------------|--------------------------------|-------------------------|--|------------------------|
| HYDRAULIC SECTOR CABLE SPIKE BLADE: Spike Blade w/ 2 Eye Screws, Clamp Cat. No. 760001E | | | | | |
| 17150065 | 1715EP25 / 2500 | 5 (12.7) | 2/0 Clear | 14.5kA / 15 / 1 | 45 (20.5) |

| Cat. No. | Description | Pump MDL / p.s.i. | Cable Assembly Cable | ASTM Fault / Duty Cycles / Grade | Weight lbs. (kgs) |
|---|----------------------------|----------------------|-------------------------|--|------------------------|
| SPECIAL GROUND SPIKE CLAMPS: Clamp Cat. No. 760001E, Spike Depth 1 5/8", Conductor Min. 1" - Max. 3" | | | | | |
| 1715CS | Spike Point, Pump on Board | 1715PF / 1200 | 1/0 Clear | 14.5kA / 15 / 1 | 32 (14.5) |
| 1715CSGL | 1715CS w/ Yellow Cable | 1715PF / 1200 | 1/0 Yellow | 14.5kA / 15 / 1 | 32 (14.5) |
| 1715SD | Spike Point, 1/4" Fittings | 1715PFSD / 1200 | 1/0 Clear | 14.5kA / 15 / 1 | 32 (14.5) |

HAND OPERATED GROUND SPIKE & HYDRAULIC CUTTER SPIKE



| Cat. No. | Description | Cable Assembly Cable / Clamp Cat. No. | ASTM Fault / Duty Cycles / Grade | Weight lbs. (kgs) |
|--|------------------------|--|--|------------------------|
| HAND OPERATED GROUND SPIKE: Spike Depth 1 3/4", Conductor Min. 1" - Max. 3 1/2" | | | | |
| 1712234HGA | Spike Point, GA, 2/0 | 2/0 Clear / 7640001E | 14.5kA / 15 / 1 | 10 (4.5) |
| 1712CS | 3' FG Hndl, Toggle /GA | 1/0 Clear / 760001E | 14.5kA / 15 / 1 | 15 (6.8) |
| 1712CSGL | 3' FG Hndl, Toggle /GA | 1/0 Yellow / 7640001E | 14.5kA / 15 / 1 | 15 (6.8) |
| 1712CSLL | 3' FG Hndl, Toggle /GA | None / None | 14.5kA / 15 / 1 | 15 (6.8) |
| 1712Q | Spike Point w/QC | 1/0 Clear / 760001E | 14.5kA / 15 / 1 | 10 (4.5) |
| 1712U | Spike Point w/U | 1/0 Clear / 760001E | 14.5kA / 15 / 1 | 10 (4.5) |
| 1712GA | Spike Point w/GA | 1/0 Clear / 760001E | 14.5kA / 15 / 1 | 10 (4.5) |

| Cat. No. | Description | Spike Depth in. (cm) | Cable Assembly Cable | ASTM Fault / Duty Cycles / Grade | Weight lbs. (kgs) |
|---|-----------------------|------------------------------|-------------------------|--|------------------------|
| HAND OPERATED GROUND SPIKES: Clamp Cat. No. 7640001E | | | | | |
| 1710SB | Spike Blade, FG Hndls | 3 3/8 (8.6) | #2 Clear | 14.5kA / 15 / 1 | 12 (5.5) |
| 1710SP | Spike Point, FG Hndls | 3 1/2 (8.9) | #2 Clear | 14.5kA / 15 / 1 | 12 (5.5) |

| Cat. No. | Description | Spike Depth in. (cm) | Cable Assembly Cable | ASTM Fault / Duty Cycles / Grade | Weight lbs. |
|--|------------------|------------------------------|-------------------------|--|----------------|
| SPIKE AND BLADE GROUND LEADS: Clamp Cat. No. 760001E, Conductor Min. 0" - Max. 2 1/2" | | | | | |
| 732076P | Spike Point w/GA | 1 3/4 (4.4) | #2 Clear | 14.5kA / 15 / 1 | 10 (4.5) |
| 732076B | Spike Blade w/GA | 2 1/2 (6.4) | #2 Clear | 14.5kA / 15 / 1 | 10 (4.5) |

| Cat. No. | Description | Pump MDL / p.s.i. | Cable Assembly Cable | ASTM Fault / Duty Cycles / Grade | Weight lbs. (kgs) |
|--|-------------|----------------------|-------------------------|--|------------------------|
| HYDRAULIC CUTTER SPIKE: Clamp Cat. No. 760001E, Conductor Min. 0" - Max. 3 1/2" | | | | | |
| 17150050 | Huskie Head | N/A / N/A | #2 Clear | 14.5kA / 15 / 1 | 23 (10.5) |
| 17150050WPH | Huskie Head | 1715P392 / 10,000 | #2 Clear | 14.5kA / 15 / 1 | 52 (23.6) |

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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 |
| 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 |
| 1715PE14225 | Enerpac Pump Only, 2500 psi |
| 1715PE100 | Enerpac Pump w/ Fittings, 10000 psi |
| 1715P392 | Enerpac Pump Only, 10000 psi |
| 1715PE | Enerpac Pump w/ Fittings, 1200 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 |
| 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 |
| 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 |
| 171561RCH123 | Enerpac Ram Only, 3" Stroke |
| 17150066R | Enerpac Ram w/ Fittings, 6" Stroke |
| 1715RCH306 | Enerpac Ram Only, 6" Stroke |
| Protective Bags | |
| B1710 | Bag for 1710: 52" x 15" Yellow Vinyl Strap Tie Bag, 4 Tool Compartments, Outer Pocket |
| B1715 | Bag for 1712, 1715, 17150060: 20" x 14" x 5" Yellow Vinyl, Zipper, Outer Pocket, Straps |
| B17150050 | Bag for 17150050, 17150063: 26" x 12" x 8" Yellow Vinyl, Zipper, Outer Pocket, Straps |
| 1370BF1 | Storage Box for 17150066: 44" x 12" x 15" Wooden, Hinged, Latched, Forklift Stringers |



1710E



1710F



1715GS



1715PF



1715H



B1715

UNDERGROUND GROUNDING STUDS

The 1712 and 1725 grounding stud series are used for grounding when the fault duty on the 600 amp Deadbreak elbow/"T" body exceeds the rating of a 200 amp grounding elbow, as rated by IEEE 386 @ 10kA for 10 cycles. Grounding studs consist of a 10" conductor stud with male or female threads for replacing 200 amp bushing wells and/or insulating plugs and a ground clamp bar for use with regular grounding jumper assemblies. After the cable has been proven de-energized, the stud is installed and a ground is applied.

The **1725001** 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**, **17250004**, and **17250005** 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** 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.



| Cat. No. | Description | Threads | Material (Stud) | ASTM F855 | | |
|-----------------------------|--|------------|-----------------|-----------|----------------------|---------------------|
| | | | | Grade | Fault Duty 15 Cycles | Weight lbs. (kgs) |
| UNDERGROUND GROUNDING STUDS | | | | | | |
| 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 | | | | | |

UNDERGROUND TOOLS & GROUND ADAPTER DEVICE KIT

The **Padmount Switch Hook** is designed to operate the secondary switch on a padmount transformer. Also used as a standard switch hook for cutouts. Weight - 1 lbs. (0.45 kgs).

The **Underground Spanner Wrench** is 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 lbs. (0.45 kgs).

The **Plug Installing Tool** is used to install or remove 600 amp reducing plugs. Weight:2 lbs. (0.91 kgs).

The **Ground Adapter Device Kit** enables application of personal grounds up to a 600 amp separable pre-molded component system when used with a “shotgun.”

| Cat. No. | Description |
|-----------------------------|-------------------|
| PADMOUNT SWITCH HOOK | |
| 190UGQ | With Quick Change |
| 190UGU | With Universal |

| Cat. No. | Description |
|-----------------------------------|-----------------------|
| UNDERGROUND SPANNER WRENCH | |
| 1720 | For 600 AMP Connector |

| Cat. No. | Description |
|-----------------------------|----------------------------------|
| PLUG INSTALLING TOOL | |
| 172300 | 1/2" (1.3cm) Female Square Drive |
| 172300Q | Quick Change |

| Cat. No. | Description | QTY | Weight lbs. (kgs) |
|---|-------------------------------------|-----|---------------------|
| GROUND ADAPTER DEVICE KIT - Non-Load Break | | | |
| 76174459 | | | 15 (6.8) |
| Each Set Includes The Following: | | | |
| 44C | Ratchet Wrench with Ball and Ring | 1 | 2 (0.91) |
| 5900Q | Universal Toggle and Spring | 1 | 1 (0.45) |
| 5900CS | Captured Socket with Friction Balls | 1 | 8 oz (0.22 kgs) |
| 9206GAS | Elbow Connector Tool with Inserts | 1 | 2.5 (1.1) |
| 1725001 | Ground Stud | 3 | 2.5 (1.1) |
| B1715 | Protective Bag with Zipper | 1 | 1 (0.45) |



GROUND ELBOW & ACCESSORIES

200 AMP & 600 AMP

The **200 AMP Ground Elbow with Connections** 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 10 cycles. All the clamps come with grip all eyes for use with “shotguns”.

The **200 AMP Elbow Connector Tool** is 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.

The **600 AMP Elbow Connector Tool** is 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.

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.



764150015LGE



9206GAS



9202HQ

| Cat. No. | Description | Weight lbs. (kgs) |
|--|--------------------------|------------------------|
| 200 AMP GROUND ELBOW WITH CONNECTIONS | | |
| Dead Break | | |
| 764015GE | 15 kV | 1 (0.45) |
| Load Break | | |
| 764150015LGE | 15 kV | 1 (0.45) |
| 764150025LGE | 25/35 kV Small Interface | 2 (0.91) |

| Cat. No. | Description | Weight lbs. (kgs) |
|-------------------------------------|-------------------------------------|------------------------|
| 200 AMP ELBOW CONNECTOR TOOL | | |
| 9202Q | Quick Change Fitting | 2 (0.91) |
| 9202U | Universal Fitting | 2 (0.91) |
| 9202GA | Grip-All Fitting | 2 (0.91) |
| 600 AMP ELBOW CONNECTOR TOOL | | |
| 9206Q | Quick Change | 2 (0.91) |
| 9206U | Universal | 2 (0.91) |
| 9206GA | Grip-All | 2 (0.91) |
| 9206GAS | With Insert Pair for 200 AMP Elbows | 2 (0.91) |
| 9202I | Insert Pair | 8 (0.22) |

| Cat. No. | Description | Weight lbs. (kgs) |
|--------------------------------|---|------------------------|
| INSULATED ELBOW REMOVER | | |
| 9204HIP | 4' (1.22 m) with Cat. No. 9202HQ | 10 (4.53) |
| 9206HIP | 6' (1.83 m) with Cat. No. 9202HQ | 11 (4.99) |
| 9208HIP | 8' (2.44 m) with Cat. No. 9202HQ | 12 (5.44) |
| Parts | | |
| 9202HQ | Elbow Remover Head with Quick Change | 2 (0.91) |
| 9202HPQ | Impact Hammer with Quick Change | 6 (2.72) |
| 12524HH | Insulated Stick for 2' (0.61 m) Remover | 2 (0.91) |
| 12548HH | Insulated Stick for 4' (1.22 m) Remover | 3 (1.36) |
| 12572HH | Insulated Stick for 6' (1.83 m) Remover | 4 (1.81) |

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NEUTRAL JUMPER ASSEMBLY, DEAD BREAK SET & URD ASSEMBLY

The **Concentric Neutral Jumper Assembly** is 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 continuous current rating of 250 amps and fault rated to ASTM Grade 1, 14 KA for 15 cycles. Other lengths are available. Bag not included.

The components of the **Underground Dead Break Ground Set** 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.

The **URD Grounding Assembly** is used for 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.



7603



764156STGESO



ES10YB615LB

| Cat. No. | Description | For Cable Diameter in. (cm) | Weight lbs. (kgs) |
|---|---------------------|----------------------------------|------------------------|
| CONCENTRIC NEUTRAL JUMPER ASSEMBLY | | | |
| 7603 | Assembly | 3/4 to 2 (1.9 - 5.1) | 12 (5.44) |
| 7603GA | Grip All Assembly | 3/4 to 2 (1.9 - 5.1) | 12 (5.44) |
| 7604 | Assembly | 2 to 4 (5.1 - 10.2) | 12 (5.44) |
| 7604GA | Grip All Assembly | 2 to 4 (5.1 - 10.2) | 12 (5.44) |
| Parts | | | |
| 7603C | Clamp with Wing Nut | | 4 (1.81) |
| 7603CGA | Clamp with Grip All | | 4 (1.81) |
| 7604C | Clamp with Wing Nut | | 4 (1.81) |
| 7604CGA | Clamp with Grip All | | 4 (1.81) |

| Cat. No. | QTY | Description | Weight lbs. (kgs) |
|--|-----|---|------------------------|
| 15 KV UNDERGROUND DEAD BREAK GROUND SET | | | |
| Local Loop | | | |
| 764156STGESO | | Full Assembly with Bag | 21 (9.52) |
| Assembly Includes: | | | |
| 764156234H | 3 | Ground Jumper, 6' (1.83 m) | 6 (2.72) |
| 764000ST | 3 | Ground Stud for Low Profile Transformer | 1 (0.45) |
| 764015GE | 3 | 15 kV Ground Elbow | 1 (0.45) |
| 764015S0 | 3 | 15 kV Ground Standoff with Spring Bail | 1 (0.45) |
| B1715 | 1 | Protective Bag | 2 (0.91) |

| Cat. No. | Description | Weight lbs. (kgs) |
|-------------------------------|----------------|------------------------|
| URD GROUNDING ASSEMBLY | | |
| ES10Y615LB | Single, 15 kV | 9 (4.08) |
| ES1Y21015LB | Cluster, 15 kV | 22 (9.98) |
| ES10Y625LB | Single, 25 kV | 10 (4.53) |
| ES1Y21025LB | Cluster, 25 kV | 23 (10.43) |
| ES10Y635LB | Single, 35 kV | 10 (4.53) |
| ES1Y21035LB | Cluster, 35 kV | 23 (10.43) |

GROUNDING BUSHING SETS & ELBOW GROUNDING SETS

200 AMP

The **single Grounded Bushing 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 are rated for 10 kA for 10 cycles. Other lengths and configurations are available.

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

The **Elbow Grounding Set** includes 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 10 cycles. Clusters come complete with bag (Cat. No. B766); single leads do not. Other lengths and configurations are available.



| Cat. No. | Description | Weight lbs. (kgs) |
|--------------------------------------|----------------|------------------------|
| 200 AMP GROUNDED BUSHING SETS | | |
| Dead Break | | |
| EB100615 | Single, 15 kV | 8 (3.63) |
| EB1021015 | Cluster, 15 kV | 20 (9.30) |
| Load Break | | |
| EB100615LB | Single, 15 kV | 9 (4.08) |
| EB1021015LB | Cluster, 15 kV | 22 (9.98) |
| EB100625LB | Single, 25 kV | 10 (4.53) |
| EB1021025LB | Cluster, 25 kV | 23 (10.43) |

| Cat. No. | Description | Weight lbs. (kgs) |
|---|-------------|------------------------|
| 200 AMP GROUNDED BUSHINGS WITH CONNECTIONS | | |
| Dead Break | | |
| 764015SO | 15 kV | 1 (0.45) |
| Load Break | | |
| 764150015LSO | 15 kV | 2 (0.91) |
| 764150025LSO | 25 kV | 4 (1.81) |

| Cat. No. | Description | Weight lbs. (kgs) |
|-------------------------------------|-------------------|------------------------|
| 200 AMP ELBOW GROUNDING SETS | | |
| Dead Break | | |
| ES100615 | Single, 15 kV | 8 (3.63) |
| ES1021015 | Cluster, 15 kV | 20 (9.30) |
| Load Break | | |
| ES100615LB | Single, 15 kV | 9 (4.08) |
| ES1021015LB | Cluster, 15 kV | 22 (9.98) |
| ES1LY635 | Single, 35 kV | 10 (4.53) |
| ES3LY635 | Cluster, 35 kV | 23 (10.43) |
| ES100625LB | Single, 25/35 kV | 10 (4.53) |
| ES1021025LB | Cluster, 25/35 kV | 23 (10.43) |

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FIBERGLASS HOT STICKS

Standard Specifications

There are a variety of Fiberglass Reinforced Plastic (FRP) constructions used for hot sticks. Included are foam filled tubular sticks used for all products requiring solid construction. All Salisbury fiberglass sticks meet ASTM F711 Standard Specifications for FRP and tube used in live line tools and IEC 855.

Foam filled hot sticks are manufactured using the pultrusion process. This method incorporate fiberglass reinforcement in a resin matrix which creates a moisture resistant laminate with excellent electrical and mechanical properties.

Hot stick production is 100% electrically proof tested. Hot Stick blanks must conform with ASTM F711 requirements.



Foam Filled Hot Stick

| Live Line Work Minimum Approach Distance | | |
|---|--------------------------------|----------------|
| Nominal Voltage kV | Exposure Distance ft.-in (m) | |
| | Phase to Ground | Phase to Phase |
| .05 to 1 | avoid contact | avoid contact |
| 1.1 to 15 | 2-1 (.64) | 2-2 (.66) |
| 15.1 to 36 | 2-4 (.72) | 2-7 (.77) |
| 36.1 to 46 | 2-7 (.77) | 2-10 (.85) |
| 46.1 to 72.5 | 3-0 (.9) | 3-6 (1.05) |
| 72.6 to 121 | 3-2 (.95) | 4-3 (1.29) |
| 138 to 145 | 3-7 (1.09) | 4-11 (1.5) |
| 161 to 169 | 4-0 (1.22) | 5-8 (1.71) |
| 230 to 242 | 5-3 (1.59) | 7-6 (2.27) |
| 345 to 362 | 8-6 (2.59) | 12-6 (3.8) |
| 500 to 550 | 11-3 (3.42) | 18-1 (5.5) |
| 765 to 800 | 14-11 (4.53) | 26-0 (7.91) |

- These distances take into consideration the highest switch surge an employee will be exposed to on any system with air as the insulating medium and the maximum voltage shown.

-The clear live-line total distances shall equal or exceed the values for the indicated voltage ranges.

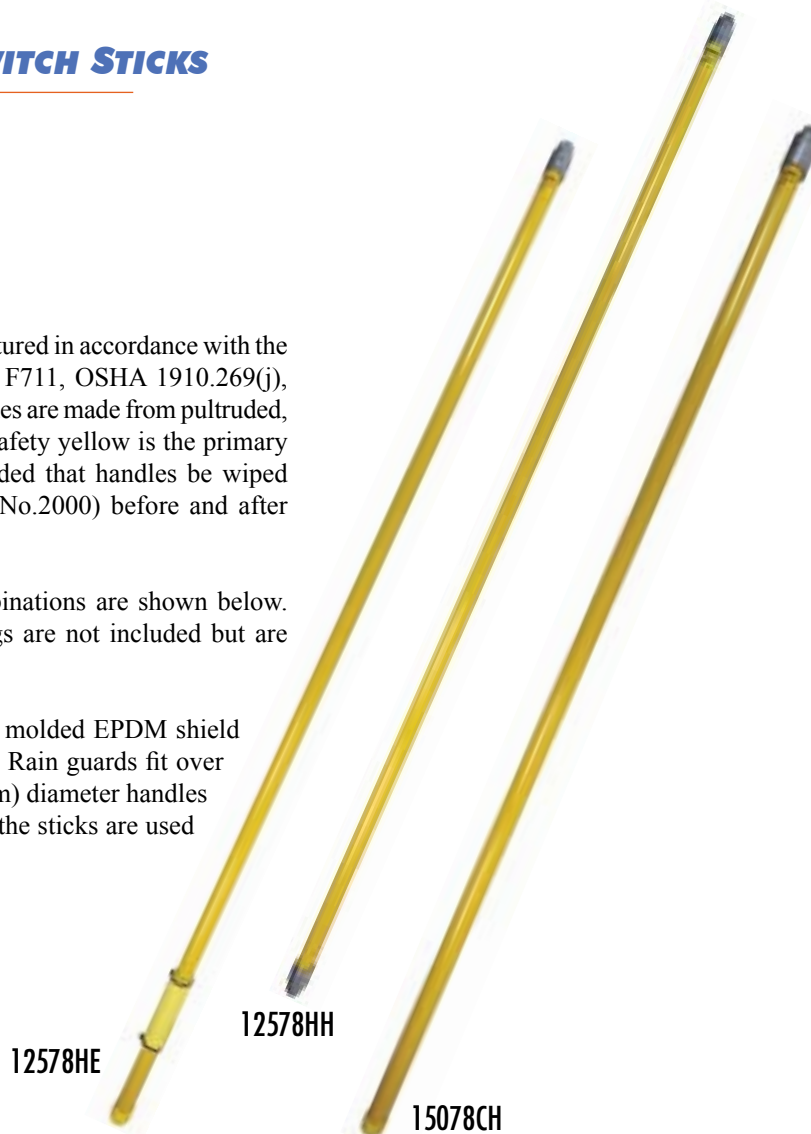
FIBERGLASS HOT SWITCH STICKS

Double Ended

Fiberglass Handles are 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. 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.

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.



| Cat. No. | Diameter x Overall Length | Weight lbs. (kgs) |
|--|-----------------------------------|------------------------|
| TOGGLE HANDLE & THREADED FERRULE | | |
| 12578HE | 1 1/4" x 6'6" (3.2 cm x 1.98 m) | 4 (1.81) |
| 12596HE | 1 1/4" x 8' (3.2 cm x 2.44 m) | 4 (1.81) |
| TOGGLE HANDLE & UNIVERSAL FERRULE | | |
| 12578UE | 1 1/4" x 6'6" (3.2 cm x 1.98 m) | 4 (1.81) |
| 12596UE | 1 1/4" x 8' (3.2 cm x 2.44 m) | 4 (1.81) |
| TOGGLE HANDLE & INSULATED HEX FERRULE | | |
| 12578HEM | 1 1/4" x 6'6" (3.2 cm x 1.98 m) | 4 (1.81) |
| 12596HEM | 1 1/4" x 8' (3.2 cm x 2.44 m) | 4 (1.81) |
| CAP & THREADED FERRULE | | |
| 10078CH | 1" x 6'6" (2.5 cm x 1.98 m) | 2 (0.91) |
| 10096CH | 1" x 8' (2.5 cm x 2.44 m) | 2 (0.91) |
| 12578CH | 1 1/4" x 6'6" (3.2 cm x 1.98 m) | 2 (0.91) |
| 12596CH | 1 1/4" x 8' (3.2 cm x 2.44 m) | 3 (1.36) |
| 15078CH | 1 1/2" x 6'6" (3.8 cm x 1.98 m) | 5 (2.27) |
| 15096CH | 1 1/2" x 8' (3.8 cm x 2.44 m) | 6 (2.72) |

| Cat. No. | Diameter x Overall Length | Weight lbs. (kgs) |
|------------------------------------|-----------------------------------|------------------------|
| TWO THREADED FERRULES | | |
| 10078HH | 1" x 6'6" (2.5 cm x 1.98 m) | 2 (0.91) |
| 10096HH | 1" x 8' (2.5 cm x 2.44 m) | 2 (0.91) |
| 12578HH | 1 1/4" x 6'6" (3.2 cm x 1.98 m) | 3 (1.36) |
| 12596HH | 1 1/4" x 8' (3.2 cm x 2.44 m) | 4 (1.81) |
| 15078HH | 1 1/2" x 6'6" (3.8 cm x 1.98 m) | 3 (1.36) |
| 15096HH | 1 1/2" x 8' (3.8 cm x 2.44 m) | 6 (2.72) |
| 150120HH | 1 1/2" x 10' (3.8 cm x 3.05 m) | 6 (2.72) |
| TWO INSULATED HEX FERRULES | | |
| 12578HHM | 1 1/4" x 6'6" (3.2 cm x 1.98 m) | 4 (1.81) |
| 12596HHM | 1 1/4" x 8' (3.2 cm x 2.44 m) | 4 (1.81) |
| CAP & UNIVERSAL FERRULE | | |
| 10078CU | 1" x 6'6" (2.5 cm x 1.98 m) | 2 (0.91) |
| 12578CU | 1 1/4" x 6'6" (3.2 cm x 1.98 m) | 2 (0.91) |
| 15096CU | 1 1/2" x 8' (3.8 cm x 2.44 m) | 6 (2.72) |
| RAIN GUARD | | |
| 8900 | Rain Guard w/ Hose Clamp | 0.2 (0.1) |

SPECIALTY HOT SWITCH STICKS

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.

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.

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.

| Cat. No. | Description | Handle Length | Weight lbs. (kgs) |
|---|---------------------------------|----------------|------------------------|
| MECHANICAL HAND STICK, Fiberglass handle diameter: 1-1/4" (3.2 cm) | | | |
| 1FGQ | Quick Change | 6'6" (1.98m) | 4 (1.81) |
| 1FGU | Universal | 6'6" (1.98m) | 4 (1.81) |
| 101FGQ | Quick Change | 8' (2.43 m) | 5 (2.27) |
| 101FGU | Universal | 8' (2.43 m) | 5 (2.27) |
| Head Only | | | |
| 1CQ | Mechanical Hand w/ Quick Change | | 1 (0.45) |
| 1CU | Mechanical Hand w/ Universal | | 1 (0.45) |

| Cat. No. | Description | Handle Length | Weight lbs. (kgs) |
|-------------------------|---------------------------|----------------|------------------------|
| WIRE CLAMP STICK | | | |
| 2FGQ | Quick Change | 6'6" (1.98m) | 6 (2.72) |
| 2FGU | Universal | 6'6" (1.98m) | 6 (2.72) |
| 201FGQ | Quick Change | 8' (2.43 m) | 9 (4.08) |
| 201FGU | Universal | 8' (2.43 m) | 9 (4.08) |
| 201CFGQ | Top Hook and Quick Change | 8' (2.43 m) | 9 (4.08) |
| Head Only | | | |
| 2CQ | Wire with Quick Change | | 3 (1.36) |
| 2CU | Wire with Universal | | 3 (1.36) |

| Cat. No. | Description | Handle Length | Weight lbs. (kgs) |
|---|-----------------------------|----------------|------------------------|
| ALLIGATOR STICK, Fiberglass handle diameter: 1-1/4" (3.2 cm) | | | |
| 4FGQ | Quick Change | 6'6" (1.98m) | 4 (1.81) |
| 4FGU | Universal | 6'6" (1.98m) | 4 (1.81) |
| 408FGQ | Quick Change | 8' (2.43 m) | 7 (3.18) |
| 408FGU | Universal | 8' (2.43 m) | 7 (3.18) |
| Head Only | | | |
| 4DQ | Alligator with Quick Change | | 1 (0.45) |
| 4DU | Alligator with Universal | | 1 (0.45) |



1CQ



2CQ



4DQ

Other lengths available. Bag not included.

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SPECIALTY HOT SWITCH STICKS

The **Pigtail Stick** is 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).

The **Stranded Wire Holding Stick** 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.

The **Cable Handler** has a 1-1/4" (3.2 cm) fiberglass handle. Used to handle, lift, or move energized cables. Other lengths available.

| Cat. No. | Description | Handle Length | Weight lbs. (kgs) |
|----------------------|-------------------------|------------------|------------------------|
| PIGTAIL STICK | | | |
| 5FGQ | Quick Change | 6'6" (1.98m) | 6 (2.72) |
| 5FGU | Universal | 6'6" (1.98m) | 6 (2.72) |
| 501FGQ | Quick Change | 8' (2.43 m) | 7 (3.18) |
| 501FGU | Universal | 8' (2.43 m) | 7 (3.18) |
| Head Only | | | |
| 5C2Q | Pigtail w/ Quick Change | 7/8" (2.2cm) | 1 (0.45) |
| 5C2U | Pigtail w/ Universal | 7/8" (2.2cm) | 1 (0.45) |
| 5C3Q | Pigtail w/ Quick Change | 1 1/2" (3.8cm) | 1 (0.45) |
| 5C3U | Pigtail w/ Universal | 1 1/2" (3.8cm) | 1 (0.45) |
| 5C4Q | Pigtail w/ Quick Change | 2" (5.1cm) | 1 (0.45) |
| 5C4U | Pigtail w/ Universal | 2" (5.1cm) | 1 (0.45) |

| Cat. No. | Description | Handle Length | Weight lbs. (kgs) |
|------------------------------------|-------------------------------|-----------------|------------------------|
| STRANDED WIRE HOLDING STICK | | | |
| 121FGQ | Quick Change | 6'6" (1.98m) | 6 (2.72) |
| 1211FGQ | Quick Change | 8' (2.43 m) | 6 (2.72) |
| 1226FGQ | Quick Change | 6'6" (1.98 m) | 8 (3.63) |
| 1228FGQ | Quick Change | 8' (2.43 m) | 8 (3.63) |
| Head Only | | | |
| 121CQ | Stranded Wire w/ Quick Change | | 2 (0.91) |
| 122CQ | Stranded Wire w/ Quick Change | | 2 (0.91) |

| Cat. No. | Description | Length | Weight lbs. (kgs) |
|----------------------|-----------------|----------------|------------------------|
| CABLE HANDLER | | | |
| 50206 | Handle and head | 6'6" (1.98m) | 3 (1.36) |
| 50208 | Handle and head | 8' (2.44 m) | 4 (1.81) |
| 5020H | Head only | | 1 (0.45) |



ARMOR ROD TOOLS & SECTIONALIZER

| Cat. No. | Description | Weight lbs. (kgs) |
|------------------------|-----------------------|------------------------|
| ARMOR ROD TOOLS | | |
| 124 | Armor Rod Applicators | 2 (0.91) |
| 1241 | Formed Wire Tools | 2 (0.91) |

Add suffix "Q" for quick change, "U" for universal, "HDQ" for heavy duty w/ quick change, "HDU" for heavy duty w/ universal.

The Sectionalizer Kit 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.



| Cat. No. | Description | Weight lbs. (kgs) |
|--------------------------|---|------------------------|
| SECTIONALIZER KIT | | |
| 1370SL | Set includes: 3 of 1370A, 1 of 1370H, 1 of 1370FB | 100 (45.3) |
| PARTS | | |
| 1370A | One Sectionalizer Only, 25 kV, 36" (0.91 m) | 12 (0.91) |
| 1370H | Hook with 1/2" Drive | 1 (0.45) |
| 1370HR | Hold Down Hook with Ring | 1 (0.45) |
| 1370V | Wire Holder, 9/16" (1.43 cm) max. size wire | 2 (0.91) |
| 1370FB | Box w/ Inserts 44" x 12" x 16" (112 x 31 x 41 cm) | 60 (27.22) |



INSULATING LINK STICKS

The **Insulating Link Sticks** are 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.

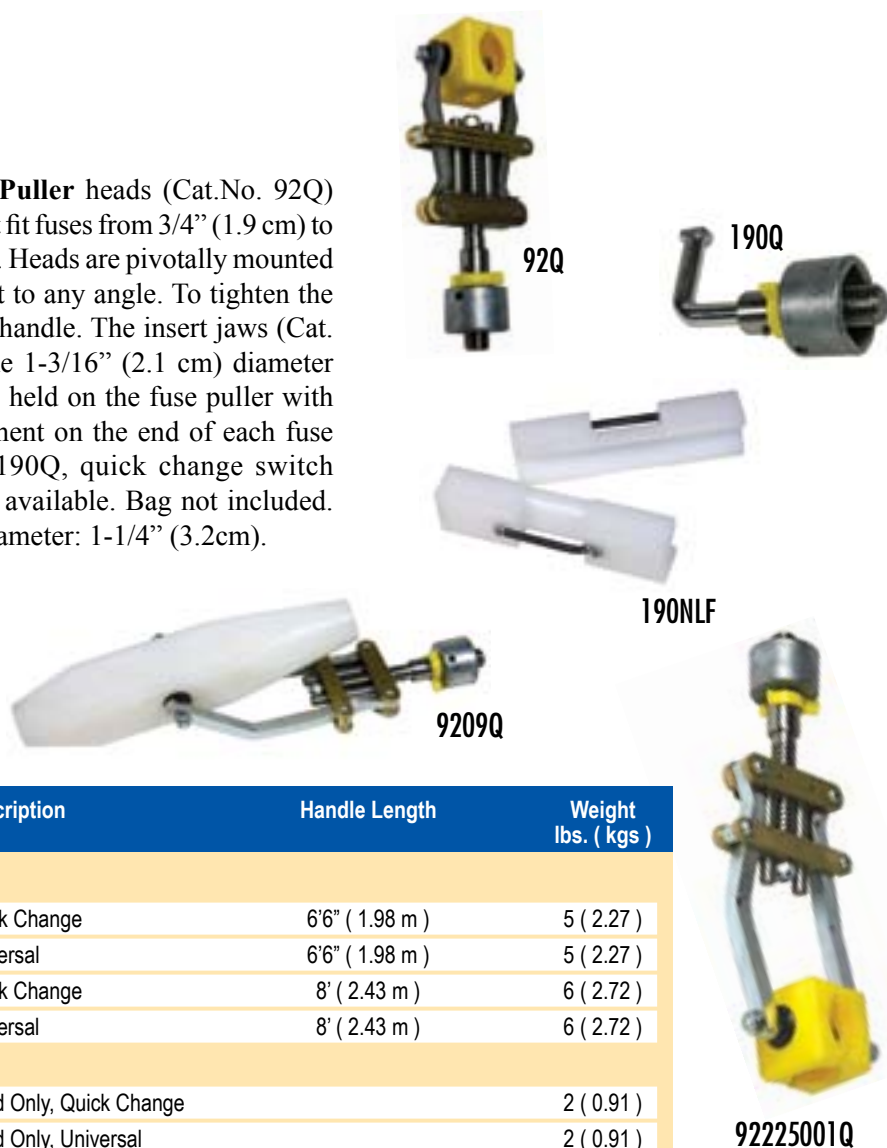
Fiberglass used meets the requirements of ASTM F711.



| Cat. No. | Overall Length in. (cm) | Length Between Ferrules in. (cm) | Fiberglass Diameter in. (cm) | WLL lbs. (kgs) | Weight lbs. (kgs) | Cat. No. | Weight lbs. (kgs) |
|-------------------------------|------------------------------|--|--------------------------------------|---------------------|------------------------|-----------------|------------------------|
| INSULATING LINK STICKS | | | | | | | |
| 50012EH | 22 (55.9) | 12 (30.5) | 1 (2.5) | 2,500 (1,134) | 3 (1.36) | B522 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) |
| 5012 | 22 (55.9) | 12 (30.5) | 1 1/4 (3.2) | 1,500 (682) | 2 (0.91) | B522 Bag | 1 (0.45) |
| 5012R | 22 (55.9) | 12 (30.5) | 1 1/4 (3.2) | 1,500 (682) | 2 (0.91) | B522 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) |
| 2512 | 28 (71.1) | 12 (30.5) | 1 (2.5) | 10,000 (4,536) | 2 (0.91) | B522 Bag | 1 (0.45) |

FUSE PULLER TOOLS

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 1-3/16" (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. Fiberglass handle diameter: 1-1/4" (3.2cm).



| Cat. No. | Description | Handle Length | Weight lbs. (kgs) |
|-------------------------|--|-----------------|------------------------|
| FUSE PULLER TOOL | | | |
| 196FGQ | Quick Change | 6'6" (1.98 m) | 5 (2.27) |
| 196FGU | Universal | 6'6" (1.98 m) | 5 (2.27) |
| 198FGQ | Quick Change | 8' (2.43 m) | 6 (2.72) |
| 198FGU | Universal | 8' (2.43 m) | 6 (2.72) |
| Parts | | | |
| 92Q | Head Only, Quick Change | | 2 (0.91) |
| 92U | Head Only, Universal | | 2 (0.91) |
| 190Q | Switch Hook, Quick Change | | 1 (0.45) |
| 190NLF | Insert Jaws for 13/16" (2.1 cm) diameter S & C Liquid Fuse | | 1 (0.45) |

| Cat. No. | Description | Maximum Diameter | Weight lbs. (kgs) |
|--------------------------|-----------------------------------|---------------------|------------------------|
| FUSE PULLER HEADS | | | |
| 9209Q | Liquid Fuse, Quick Change | 13/16" (2.1 cm) | 3 (1.36) |
| 9209U | Liquid Fuse, Universal, Head Only | 13/16" (2.1 cm) | 3 (1.36) |
| 9209GA | Liquid Fuse, Grip All | 13/16" (2.1 cm) | 3 (1.36) |
| 92225001Q | Quick Change | 2 1/4" (5.7 cm) | 3 (1.36) |
| 92225001U | Universal | 2 1/4" (5.7 cm) | 3 (1.36) |
| 92225001GA | Grip All | 2 1/4" (5.7 cm) | 3 (1.36) |

FERRULES & ACCESSORIES

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.

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.

Use the **Silicote Cloth** 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.

Handle Cleaner is 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.

| Cat. No. | Description | Size | Weight oz (g) |
|---------------------------|--|-----------------------------|--------------------|
| HEXAGONAL FERRULES | | | |
| 44DFG | 5/8"-11 - Zinc | 1" (2.5 cm) | 4 (124) |
| 4EFG | 5/8"-11 - Zinc | 1 1/4" (3.2 cm) | 5 (156) |
| 4EFGM | Insulated Hex Ferrule w/ Brass Threaded Insert 5/8"-11 | 1 1/4" (3.2 cm) | 5 (156) |
| 5EFG | 5/8"-11 - Zinc | 1 1/2" (3.8 cm) | 12 (373) |
| UNIVERSAL FERRULES | | | |
| 44UFG | Aluminum with Thumb Screw | 1" (2.5 cm) | 4 (124) |
| 3400 | Aluminum with Thumb Screw | 1 1/4" (3.2 cm) | 5 (156) |
| 5EFGU | Zinc/Bronze with Thumb Screw | 1 1/2" (3.8 cm) | 1 lbs. (450 g) |
| RIVETS | | | |
| RH1881375 | For 1" Ferrules | 3/16" x 13/8" (5 x 34 mm) | 1 (31) |
| RH1881625 | For 1-1/4" Ferrules | 3/16" x 15/8" (5 x 41 mm) | 1 (31) |
| RH1882000 | For 1-1/2" Ferrules | 3/16" x 2" (5 x 51 mm) | 2 (62) |

| Cat. No. | Handle Diameter | Weight oz (g) |
|-------------------------------|-------------------|--------------------|
| HEXAGONAL FERRULE KITS | | |
| 44EK001 | 1" (2.5 cm) | 4 (124) |
| 4EK001 | 1 1/4" (3.2 cm) | 4 (124) |
| 5EK001 | 1 1/2" (3.8 cm) | 4 (124) |
| UNIVERSAL FERRULE KITS | | |
| 44UK001 | 1" (2.5 cm) | 4 (124) |
| 4UK001 | 1 1/4" (3.2 cm) | 4 (124) |
| 5UK001 | 1 1/2" (3.8 cm) | 4 (124) |

| Cat. No. | Description |
|-------------|-----------------------|
| CAPS | |
| C100 | 1" (2.5 cm) Cap |
| C125 | 1 1/4" (3.2 cm) Cap |
| C150 | 1-1/2" (3.8 cm) Cap |

| Cat. No. | Description | Weight oz (g) |
|-----------------|-----------------------|--------------------|
| CLEANERS | | |
| 2000SC | Silicote Cloth | 4 (124) |
| 2001 | Towelette | 1 (31) |
| 2002 | 1-Gal Bottle | 9 lbs. (4 kgs) |
| 2003 | 16 fl oz Spray Bottle | 19 (.53) |



A **Discharge Hook** is 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.

A **Discharge Hook** is 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 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.

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



1930535415Q

| Cat. No. | Description | Weight ea. | |
|---|--------------------------------|---------------------------|--------------|
| | | lbs. | (kgs) |
| FUSED DISCHARGE HOOK | | | |
| 1930535415Q | Fused Discharge Hook | 10 | (4.53) |
| DISCHARGE HOOK Ground Lead Length | | | |
| 1925 | 5' (1.52 m) | 2 | (0.91) |
| 19257 | 7' (2.13 m) | 2.5 | (1.13) |
| 19258 | 8' (2.44 m) | 3 | (1.36) |
| 192510 | 10' (3.05 m) | 4.5 | (2.04) |
| 192520 | 20' (6.10 m) | 5 | (2.27) |
| RESISTIVE DISCHARGE HOOK/PROBES | | | |
| | Handle Length | Ground Lead Length | |
| 19250005 | 23" (0.58 m) | 5' (1.52 m) | 2 (0.91) |
| 192500655 | 7' (2.13 m) | 10' (3.05 m) | 4.5 (2.04) |
| 19250007 | 5' (1.52 m) | 7' (2.13 m) | 4 (1.81) |
| ACCESSORIES | | | |
| 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) |

STORAGE FOR HOT STICKS & ACCESSORIES

Hot Stick Containers provide 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.

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. | I.D. in. (cm) | Length ft. (m) | Weight lbs. (kgs) |
|-----------------------------|--------------------|---------------------|------------------------|
| CONTAINERS | | | |
| C4007 | 4 (10.2) | 7 (2.13) | 19 (8.62) |
| C4009 | 4 (10.2) | 9 (2.75) | 22 (9.98) |
| C4011 | 4 (10.2) | 11 (3.35) | 26 (11.79) |
| C4013 | 4 (10.2) | 13 (3.96) | 29 (13.15) |
| C4017 | 4 (10.2) | 17 (5.18) | 36 (16.33) |
| C4020 | 4 (10.2) | 20 (6.08) | 40 (18.15) |
| CONTAINER KITS | | | |
| C4000 - Kit w/o Lock | 4 (10.2) | | 6 (2.72) |
| C4000L - Kit w/ Lock | 4 (10.2) | | 9 (4.08) |

TOOL HEAD ADAPTERS

Tool Head Adapters are 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 or EYE SCREW

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



Safety Clip for Quick Change

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

320E .1 oz (3 g)



Convertible Adapters

| | | |
|-------|------------------|--------------|
| 3402Q | Changes QC to GA | 8 oz (224 g) |
| 3402U | Changes GA to U | 6 oz (168 g) |
| 3403 | Changes QC to U | 3 oz (93 g) |



Universal Heads

Converts to universal on threaded ferrule handles.

| | |
|-------------------------------------|-------------------|
| 3401Q Universal Head w/ Thumb Screw | 1 lbs. (0.45 kgs) |
| 3401TS Thumb Screw Only | 1 lbs. (0.45 kgs) |



Gripall Adapter w/ Square Drive & Socket

Has spring-loaded socket keepers to hold a nut or cap screw.
3402LS934 1/2" (1.3 cm) Square Drive
3/4" (1.9 cm) Socket
2 lbs (0.91 kgs)



Mechanical Hand

Serves both as a hand and as pliers.
1C Mechanical Hand 1 lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change



Alligator

Installs & removes arm slings, double blocks, and line hooks.
4D Alligator 1 lbs. (0.45 kgs)
Add suffix "U" for Universal, "Q" for Quick Change

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TOOL HEADS



Pigtail

Lifts and guides live lines.

5C2 7/8" (2.2cm) opening 1 lbs. (.45 kgs)

5C3 1-1/2" (3.8cm) opening 2 lbs. (.91 kgs)

5C4 2" (5.1cm) opening 2 lbs. (.91 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Locating Drift

Use where aligning or hardware fitting is difficult.

8A Locating Drift 2 lbs. (.91 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Cotter Key Remover

Specifically designed to remove cotter keys.

11 Cotter Key Remover 12 oz (0.38 kgs)

1101 Spring Loaded Remover 12 oz (0.38 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Cotter Key Installer

Holds cotter key at various angles for easy installation.

3500 Cotter Key Installer 1 lbs. (0.45 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Screwdriver

Installs/removes screws w/ an insulated handle.

13 Screwdriver 8 oz (0.23 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Hammer

165 Hammer 1 lbs. (0.45 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Test Point Cap Seal Cleaner

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

1520006 1 lbs. (0.45 kgs)

Add suffix "U" for Universal, "Q" for Quick Change, "GA" for Grip All



Universal Toggle & Spring

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

5900 Univ. Toggle & Spring 2 lbs. (0.91 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Universal Joint & Spring

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

3302 Univ. Joint & Spring 2 lbs (0.91 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Handle Splice Joint

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

3301 Handle Splice Joint 2 lbs (0.91 kgs)



Bayonet Ferrule

Installs/removes ground heads equipped with bayonet studs.

98B Quick Change 1 lbs. (0.45 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Line Hose Applicator

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

1680 4 lbs (1.81 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Dead End Automatic Sleeve Applicator

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

16 Dia. 1/4" to 1 1/2" (6.4 to 38 mm) 2 lbs. (0.91 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Stripping Knife

Removes insulation during live line work.

Tempered steel blade designed for pulling/pushing.

12 Stripping Knife 1 lbs. (0.45 kgs)

12S Sheath 4 oz. (0.12 kgs)

Add suffix "U" for Universal, "Q" for Quick Change, "GA" for Grip All



Extension Offset Switch Hook

Safely removes fuses from outdoor disconnects.

190001 Steel 1 lbs. (0.45 kgs)

190002 Aluminum/Bronze 1 lbs. (0.45 kgs)

Add suffix "U" for Universal, "Q" for Quick Change

TOOL HEADS



Hanging Hook

Attaches to all fiberglass handles.

190HC Hanging Hook 3 oz. (84 kgs)



Switch Hook

Converts an insulating stick to a switch stick.

190 Switch Hook 8 oz. (0.25 kgs)



Wire Grip

Grips conductor, has hole for block or line hook.

WWL for grip is 1,000 lbs (454 kgs) at a 4:1 ratio.
3600 Opening min. 5/16" max. 7/8" 2 lbs (0.91 kgs)
(7.9mm, 2.2cm)

3601 Opening min. 1/2" max. 1-1/2" 3 lbs. (1.36 kgs)
(1.3cm, 3.8cm)

Add suffix "U" for Universal, "Q" for Quick Change



Adjustable Insulator Fork

Has Plasil coated arms protecting the insulator while connecting to the dead end device.

8300 Adjustable Insulator Fork 2 lbs. (0.91 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Insulator Fork

Used as a saddle in handling ball and socket insulators.

8301 Insulator Fork 2 lbs. (0.91 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Wrench Attachment

Used with almost any type of wrench for tightening.

9 Wrench Attachment 2 lbs. (0.91 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Pin Holder

Removes/replaces pins from device-type insulators.

2900 Pin Holder 1 lbs. (0.45 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Inspection Mirror

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

9900 5" (12.7 cm) dia. 8 oz (224 g)

Add suffix "U" for Universal, "Q" for Quick Change



Switch Disconnect

Used to open and close switches

1900U Switch Hook w/Hammer Head .19 lbs. (.08 kgs)



Wire Gauges

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

860002 Aluminum Fits: #4 to 397.5 1 lbs. (0.45 kgs)

860004 ACSR/Aluminum Fits: #4 to .556 1 lbs. (0.45 kgs)

860005 Copper Fits: #8 to 4/0 1 lbs. (0.45 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Pruning Saw

19 gauge steel w/ 14" (35.6 cm) cutting edge, w/ 6 teeth per blade inch.

7991 Pruning Saw 1 lbs. (0.45 kgs)

7991WS Saw Sheath (Optional) .5 lbs. (0.22 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



"V" Conductor Cleaning Brush

2 brushes in 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.

152 "V" Brush 1.5 lbs. (0.68 kgs)

152B Replacement Brush Only 3 ozs. (0.09 kgs)

Add suffix "U" for Universal, "Q" for Quick Change, "GA" for Grip All



Tree Pruner

Mounted on 12" (30.6 cm) fiberglass handle. 12 foot (3.66 m) insulating rope is installed through the pulleys for an easy operation of the head while cutting.

7992FG Tree Pruner 4 lbs. (1.81 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Live Line Hack Saw

Excellent for use at various angles. 8" (20.3 cm) long w/ 32 teeth per inch.

15 Live Line Hack Saw 1.25 lbs. (0.57 kgs)

15B Blade, 8" (20.3 cm) .5 lb (0.22 kgs)

Add suffix "U" for Universal, "Q" for Quick Change



Semi-Tubular Conductor Cleaning Brush

Cleans conductors up to 1-1/16" (20 mm) dia.

1521 Semi-Tube Brush 1.5 lbs. (0.68 kgs)

1521B Replacement Brush Only 12 ozs. (0.37 kgs)

Add suffix "U" for Universal, "Q" for Quick Change, "GA" for Grip All

SALISBURY

by Honeywell

7520 N Long Ave Skokie IL 60077 Toll Free 877.406.4501 Fax 847.679.2401

TOOL HEADS & ACCESSORIES



Conductor Brush-Side Opening Brush
Cleans conductors up to 1-1/16" (20 mm) dia.
1521003 Brush-Side Brush 1.5 lbs. (0.68 kgs)



Brush with Handle & Cover
Use by hand or with grip all stick to clean or apply grease. Cover protects the brush when not in use.
1520010GAH Brush w/ Handle & Cover 1 lbs. (0.45 kgs)



Hand "V" Conductor Cleaning Brush
2 brushes in a "V" angle w/ permanent handle.
152AH "V" Brush w/ Handle 1 lbs. (0.45 kgs)

Add suffix "U" for Universal, "Q" for Quick Change, "GA" for Grip All



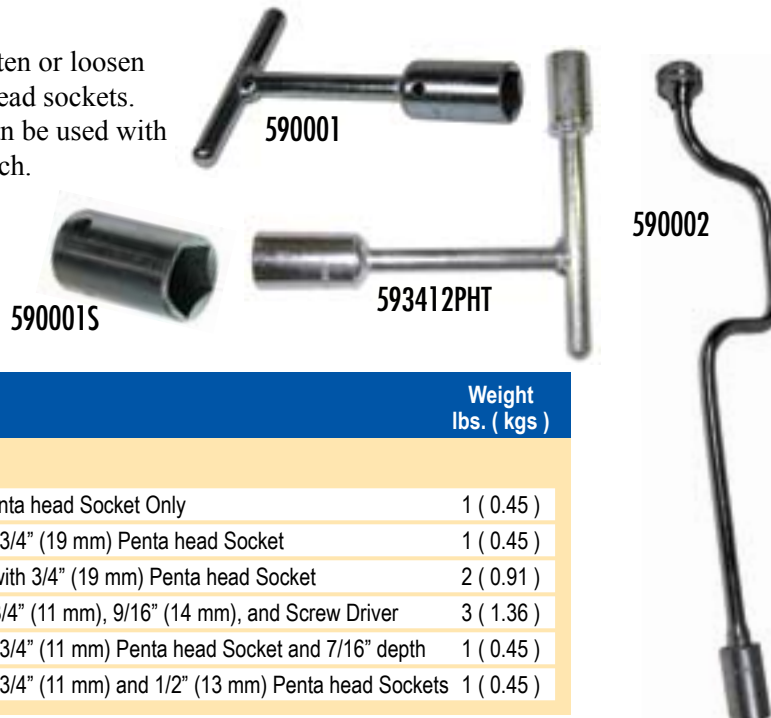
Hand Conductor Cleaning Tube Brush
Used without an insulating stick for cleaning non-energized conductors.
1520001 1-1/4" (3.2 cm) 1 lbs. (0.45 kgs)
1520500 1/2" (13 mm) 1 lbs. (0.45 kgs)

The **Grease Pot with Brush** is used as a container and an applicator brush for connector grease.



| Cat. No. | Description | Weight lbs. (kgs) |
|------------------------------|------------------------|---------------------|
| GREASE POT WITH BRUSH | | |
| GP1001 | Pot with Brush | 2 (0.91) |
| GP1002 | Pot with Removable Cap | 2 (0.91) |
| GP1021618 | Brush Only | 5 oz. (0.14 kgs) |

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

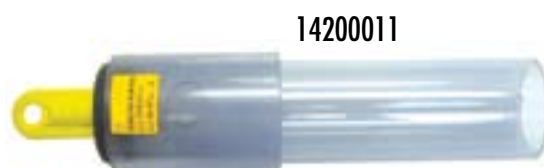


| Cat. No. | Description | Weight lbs. (kgs) |
|---------------------|--|---------------------|
| PENTA SOCKET | | |
| 590001S | 3/4" (19 mm) Penta head Socket Only | 1 (0.45) |
| 590001 | "T" Wrench with 3/4" (19 mm) Penta head Socket | 1 (0.45) |
| 590002 | Speed Wrench with 3/4" (19 mm) Penta head Socket | 2 (0.91) |
| 59P34916SD | Penta Wrench, 3/4" (11 mm), 9/16" (14 mm), and Screw Driver | 3 (1.36) |
| 5900017/16T | "T" Wrench with 3/4" (11 mm) Penta head Socket and 7/16" depth | 1 (0.45) |
| 593412PHT | "T" Wrench with 3/4" (11 mm) and 1/2" (13 mm) Penta head Sockets | 1 (0.45) |

CLEAR COVERS

These **Clear Cable 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.

Clear PVC Stress Cone Cover has a grip all attachment that 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. | Description | ASTM F712 Class / Rating kV | Dimensions Length in. / I.D. in. / O.D. in. | Weight lbs. (kgs) |
|---------------------------|----------------------|--------------------------------|--|------------------------|
| CLEAR CABLE COVERS | | | | |
| 14200032P | 2" ▲ PVC Cable Cover | 2 / 14.6 | 20 / 2 / 2.38 | 1.5 (0.68) |
| 14200033P | 3" ▲ PVC Cable Cover | 2 / 14.6 | 20 / 3 / 3.38 | 3.2 (1.45) |
| 14200034P | 4" ▲ PVC Cable Cover | 2 / 14.6 | 20 / 4 / 4.38 | 4.3 (1.95) |
| 14200036P | 6" ▲ PVC Cable Cover | 2 / 14.6 | 20 / 6 / 6.5 | 5.3 (2.41) |

| Cat. No. | ASTM F968 Class / Rating kV | Dimensions Length in. / I.D. in. / O.D. in. | Weight lbs. (kgs) |
|------------------------------------|--------------------------------|--|------------------------|
| CLEAR PVC STRESS CONE COVER | | | |
| 14200011 | 2 / 14.6 | 13 / 3 / 3.5 | 3 (1.36) |

All **Insulated Adjustable Wrenches** 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 comes with a 1-1/2" (3.2 cm) fiberglass handle. Standard 1/2" (1.3 cm) square drive.

The **Insulated Ratchet Wrench for Clamp Top** 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).

The **Toggle Handle** is used to convert any double threaded ferrule stick to a toggle handle for torquing requirements.



1258HEQ



44CFG



1161

| Cat. No. | Handle Length | Weight lbs. (kgs) |
|---|-----------------------------|------------------------|
| INSULATED ADJUSTABLE WRENCH | | |
| 1160 | 12" (30.5 cm) | 1 (0.45) |
| 1161 | 18" (45.7 cm) | 2 (0.91) |
| 1162 | 24" (61.0 cm) | 3 (1.36) |
| INSULATED RATCHET WRENCH | | |
| 4412 | 12" (30.5 cm) | 2 (0.91) |
| 4418 | 18" (45.7 cm) | 3 (1.36) |
| 4436 | 36" (91.5 cm) | 4.5 (2.0) |
| INSULATED RATCHET WRENCH FOR CLAMP TOP | | |
| 44CFG | 8" (20.3 cm) | 2 (0.91) |
| TOGGLE HANDLE | | |
| 1258HEQ | Quick Change - 8" (20.3 cm) | 1 (0.45) |

Live Line Lever Cutters are 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 available. NOT FOR USE ON ACSR.

The **All Aluminum & Soft Copper Cutter** 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. Bags available. NOT FOR USE ON ACSR OR STEEL.

ACSR Cutters with Permanent Heads cut ACSR up to 396 kcmil. The cutting head is permanently attached. Bags available.

The **Soft Cable Cutter with Removable Head** is lightweight, rugged, and strong. The two-handed cutter head gives clean, shearing cuts. Bags available. NOT FOR USE ON ACSR OR STEEL.

3008FG

| Cat. No. | Description | Weight lbs. (kgs) |
|---|------------------------------|------------------------|
| LIVE LINE LEVER CUTTERS | | |
| 3004FG | 4' (1.22 m) | 11 (4.99) |
| 3006FG | 6' (1.83 m) | 11 (4.99) |
| 3008FG | 8' (2.44 m) | 11 (4.99) |
| ALL ALUMINUM & SOFT COPPER CUTTERS | | |
| 670 | 24" (61.0 cm) | 5 (2.27) |
| 671 | 30" (76.2 cm) | 6 (2.72) |
| 672 | 36" (91.4 cm) | 7 (3.18) |
| ALL ALUMINUM & SOFT COPPER CUTTERS | | |
| 67124ACFG | 24" (61.0 cm) 28" (71.1 cm) | 5 (2.27) |
| 67130ACFG | 30" (76.2 cm) 34" (86.4 cm) | 5 (2.27) |
| 67136ACFG | 36" (91.4 cm) 40" (102.0 cm) | 6 (2.72) |

| Cat. No. | Copper Power | Maximum Cable Size Aluminum Power | Communication | Handle Length | Weight lbs. (kgs) |
|--|--------------|--------------------------------------|-----------------|------------------|------------------------|
| SOFT CABLE CUTTER WITH REMOVABLE HEAD | | | | | |
| 670001 | 500 kcmil | 750 kcmil 1 | 3/8" (3.5 cm) | 24" (61.0 cm) | 5 (2.27) |
| 6700011 | 750 kcmil | 1200 kcmil | 1 3/4" (4.5 cm) | 24" (61.0 cm) | 6 (2.72) |
| 671001 | 500 kcmil | 750 kcmil | 1 3/8" (3.5 cm) | 30" (76.2 cm) | 5 (2.27) |
| 6710011 | 750 kcmil | 1200 kcmil | 1 3/4" (4.5 cm) | 30" (76.2 cm) | 7 (3.18) |

TRANSFORMER GIN ASSEMBLY & TOOL FRAME

Transformer Gin Assemblies are 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 kgs), at a minimum of 18” apart. The working load limit (WLL) 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.

The **Tool Frame** is a convenient place to hang tools when they are not in use, has swivel eye allowing the frame to rotate.

The **Rope-Snubbing Bracket** attaches to the pole and provides a safe place to tie lines or hook blocks when handling loads. WLL: 1,500 LBS. (680 Kgs)



112



100TR



8200S



8200

| Cat. No. | Description | Weight lbs. (kgs) | WLL |
|--------------------------|--|------------------------|-----------|
| TRANSFORMER GIN ASSEMBLY | | | |
| 112 | Transformer Gin Assembly | 89 (40.36) | 2,500 LBS |
| TRANSFORMER GIN ASSEMBLY | | | |
| 100T | Tool Frame | 1 (0.45) | |
| 100TR | Tool Frame with Rope and Snap | 2 (0.91) | |
| ROPE-SNUBBING BRACKET | | | |
| 8200 | Pole Type Bracket with Rings, Chain Length: 51" (1.30 m) | 10 (4.55) | |
| 8200S | Pole Type Bracket without Rings Chain Length: 51" (1.30 m) | 10 (4.55) | |

CROSS ARM GIN & TRANSFORMER GIN ASSEMBLIES

Cross Arm Gins are 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.

7004

The **Transformer Gin Assembly** is 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 kgs). 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.

The **Heavy Duty Transformer Gin Assembly** 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 kgs). 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.



133



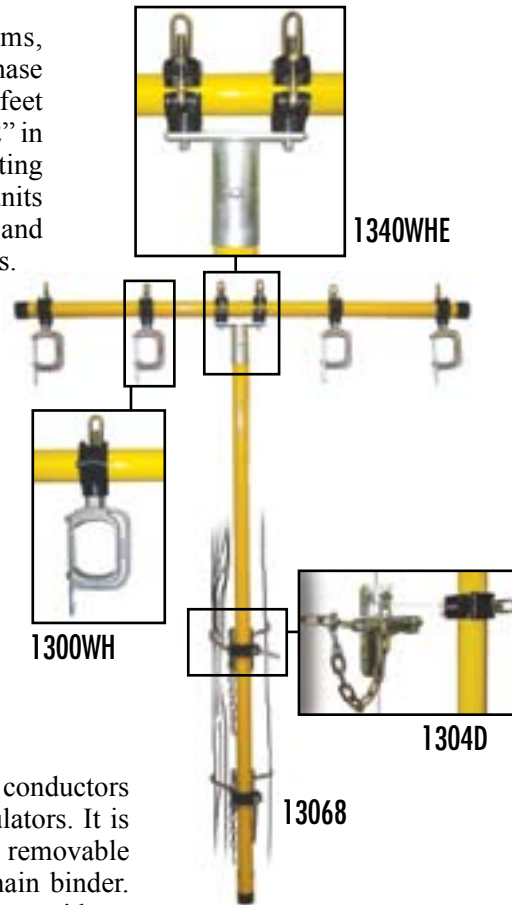
1200SL

| Cat. No. | Length | Weight lbs. (kgs) | WLL lbs. |
|--|-------------|------------------------|-------------|
| CROSS ARM GIN | | | |
| 7003 | 3' (0.91 m) | 12 (5.44) | 600 (272) |
| 7004 | 4' (1.22 m) | 12 (5.44) | 600 (272) |
| 7005 | 5' (1.52 m) | 13 (5.90) | 600 (272) |
| TRANSFORMER GIN ASSEMBLY | | | |
| 133 | | 25 (11.34) | 2,000 |
| HEAVY DUTY TRANSFORMER GIN ASSEMBLY | | | |
| 1200SL | | 39 (17.73) | 5,000 |

TEMPORARY SIDE ARMS & TRANSFER ARMS

The **Temporary Transfer Arm** is 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 kgs); unbalanced at 150 lbs. (68 kgs). 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.

| Cat. No. | Weight lbs. (kgs) | Cat. No. | Weight lbs. (kgs) |
|--|------------------------|--|------------------------|
| TEMPORARY TRANSFER ARMS With Insulators | | WIRE HANGER With Insulators | |
| 13068I | 65 (29.48) | 1300WHI | 4 (1.81) |
| Without Insulators | | Without Insulators | |
| 13068 | 65 (29.48) | 1300WH | 3 (1.36) |



The **Temporary Side Arm - Pole Mounted** 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. WLL: 4 FT (1.22 M) - 300 LBS. (136 Kgs)

| Cat. No. | Number of Wire Holders | Arm Length | Weight lbs. (kgs) | Cat. No. | Weight lbs. (kgs) |
|---|---------------------------|---------------|------------------------|--|------------------------|
| TEMPORARY SIDE ARM - POLE MOUNTED Nylon Strap Binder with Insulators | | | | WIRE HANGER With Insulators | |
| 156024NI | 2 | 4' (1.22 m) | 17 (7.71) | 1309DI | 3 (1.36) |
| Nylon Strap Binder without Insulators | | | | Without Insulators | |
| 156024N | 2 | 4' (1.22 m) | 16 (7.26) | 1309D | 2.5 (1.13) |



The 6 foot (1.83 m) side-mounted **Temporary Side Arm - Cross Arm Mounted** 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 KGS) OR 150 LBS. (68 KGS) PER WIRE HOLDER.

| Cat. No. | For Cross Arm Size | Weight lbs. (kgs) |
|---|---------------------------------|------------------------|
| TEMPORARY SIDE ARM - CROSS ARM MOUNTED With Insulators | | |
| 154466I | 4 1/4" x 63/4" (10.3 x 17.1 cm) | 23 (10.43) |
| 15466I | 6" x 6" (15.2 x 15.2 cm) | 23 (10.43) |
| Without Insulators | | |
| 154466 | 4 1/4" x 63/4" (10.3 x 17.1 cm) | 20 (9.07) |
| 154666 | 6" x 6" (15.2 x 15.2 cm) | 20 (9.07) |

GROUND ROD DRIVERS & FRAMING JACK

Ground Rod Drivers are 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.

The **Framing Jack** is 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 kgs)



| Cat. No. | Description | Length | Weight lbs. (kgs) |
|---------------------------|----------------------------------|--------------|------------------------|
| GROUND ROD DRIVERS | | | |
| 1350 | Ground Rod Driver | 60" (1.52 m) | 45 (20.40) |
| 1350001 | Ground Rod Driver | 26" (0.66 m) | 15 (6.80) |
| ADAPTERS | | | |
| 1350058A | For 5/8" (1.6 cm) Ground Rods | | 1/2 (0.21) |
| 1350034A | For 3/4" (1.9 cm) Ground Rods | | 1/2 (0.21) |
| FRAMING JACK | | | |
| 640001 | Framing Jack with Ratchet Wrench | | 58 (26.38) |
| 6400B | Ratchet Wrench Only | | 1 (0.45) |

POLE ADAPTER KIT & POLE DRAW BAR

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.

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.)

9300 - SAFE TOWING CAPACITY: 10,000 LBS. (4,530 Kgs).

9301 - SAFE TOWING CAPACITY: 15,000 LBS. (6,804 Kgs).



3115



3115ES



9301



9300

| Cat. No. | Type of Saw | Description | Weight lbs. (kgs) |
|-------------------------|---------------------|---------------------------|---------------------|
| POLE ADAPTER KIT | | | |
| 3115 | Stihl / Homelite | Full Adapter Kit | 14 (6.35) |
| 3115ES | Stihl / Homelite XL | Swivel Plate w/ Stand-Off | 1 (0.45) |

| Cat. No. | Description | Weight lbs. (kgs) |
|--------------------------|--------------------------|---------------------|
| POLE DRAW BAR | | |
| 9300 | Pole Draw Bar (complete) | 60 (27.21) |
| 9301 | Heavy Duty Pole Draw Bar | 78 (35.37) |
| Replacement Parts | | |
| 9300C | Chain, Screw and Snap | 4 (1.81) |
| 9300E | Toggle Handle and Nut | 1 (0.45) |
| 9300M | Pointed Screw | 3 oz. (84 g) |

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 kgs) 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 3-3/8" (8.6 cm) deep. 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.

WLL at 2:1 - 250 lbs. (113.4 kgs)



| Cat. No. | Description | OAL Length | Board Length | Weight lbs. (kgs) |
|-------------------------|--------------------|---------------|--------------|---------------------|
| POLE ADAPTER KIT | | | | |
| 175 | Platform | 6'3" (1.91 m) | 6' (1.83 m) | 48 (21.76) |
| 178SL | Platform | 8'4" (2.54 m) | 8' (2.44 m) | 72 (32.64) |
| 17530 | Platform | 38" (0.97 m) | 30"(0.73 m) | 30 (13.65) |
| POLE ADAPTER KIT | | | | |
| 175H | Board Only for 175 | | | 30 (13.65) |
| 178H | Board Only for 178 | | | 35 (15.92) |
| 119 | Safety Rail | | | 19 (8.62) |
| 119H | Strap with 2 Snaps | | | 2 (0.91) |
| 119B | Base Only | | | 10 (4.55) |

HAND LINES, HAND LINE ASSEMBLIES & LINE HOOKS

Premium all-purpose **Hand Line** 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.

Hand Line Assemblies with Polydac Rope is used for lifting objects to the lineman on the pole. Other lengths are available.

Hooks are used for snatch and hand line blocks. **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.

| Cat. No. | Diameter | | Length | | Approx. Tensile Strength | | Weight / Reel | |
|---|----------|-----|--------|-------|--------------------------|-------|---------------|------|
| | in. | cm | ft. | m | lbs. | kgs | lbs. | kgs |
| POLYPROPYLENE AND POLYESTER (POLYDAC) ROPE | | | | | | | | |
| 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 |

| Cat. No. | Description | Total Rope Length | | For Pole Height | | Weight | |
|--|---|-------------------|------|-----------------|------|--------|------|
| | | ft. | m | lbs. | kgs | lbs. | kgs |
| HAND LINE ASSEMBLIES WITH POLYDAC ROPE | | | | | | | |
| 1491250 | Standard Hand Line, Fixed Sling | 100 | 30.5 | 50 | 15.2 | 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 |
| 1494250 | Alternate Hook Assembly, Adjustable Sling | 100 | 30.5 | 50 | 15.2 | 11 | 4.99 |
| 1494375 | Alternate Hook Assembly, Adjustable Sling | 150 | 45.8 | 75 | 22.9 | 13 | 5.90 |

PARTS

| | | | | | | | |
|-------------|---------------------------|--|--|--|--|---|------|
| 42 | Hand Line Block (only) | | | | | 2 | 0.91 |
| 149H | Hook for Hand Line (only) | | | | | 1 | 0.45 |
| 149S | Swivel Snaps (only) | | | | | 1 | 0.45 |

| Cat. No. | Description | Opening Size in. (cm) | WLL lbs. (kgs) | Weight lbs. (kgs) |
|------------|--------------|----------------------------|---------------------|------------------------|
| HOOKS | | | | |
| 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) |
| LINE HOOKS | | | | |
| 27 | Small | 7/8" (2.2 cm) | 1,000 (454) | 1 (0.45) |
| 27A | Medium | 1-1/2" (3.8 cm) | 1,325 (601) | 2 (0.91) |
| 27S | Large | 2" (5.1 cm) | 1,650 (748) | 3 (1.36) |



42



149H



40H



40HPP



40CH



40SHB



27



27A



27S

Blocks are 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 are 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).



40



42S

| Cat. No. | Description | Weight lbs. (kgs) | WLL lbs. (kgs) |
|---|--|------------------------|---------------------|
| BLOCKS | | | |
| 40 | 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) |
| WOOD SHELL BLOCKS - SINGLE BLOCK WITH SWIVEL HOOK & BECKET | | | |
| 904 | 4" (10.2 cm) | 2 (0.91) | 1,000 (454) |
| 905 | 5" (12.7 cm) | 3 (1.36) | 1,200 (544) |
| 906 | 6" (15.2 cm) | 5 (2.27) | 1,800 (816) |
| WOOD SHELL BLOCKS - DOUBLE BLOCK WITH FLAT HOOK & BECKET | | | |
| 284 | 4" (10.2 cm) | 3 (1.36) | 1,400 (635) |
| 285 | 5" (12.7 cm) | 5 (2.27) | 1,800 (816) |
| 286 | 6" (15.2 cm) | 7 (3.17) | 2,500 (1,134) |
| WOOD SHELL BLOCKS - DOUBLE BLOCK WITH FLAT HOOK, BECKET & SWIVEL | | | |
| 284A | 4" (10.2 cm) | 3 (1.36) | 1,400 (635) |
| 285A | 5" (12.7 cm) | 5 (2.27) | 1,800 (816) |
| 286A | 6" (15.2 cm) | 8 (3.63) | 2,500 (1,134) |
| WOOD SHELL BLOCKS - TRIPLE BLOCK WITH FLAT HOOK, BECKET & SWIVEL | | | |
| 284A3 | 4" (10.2 cm) | 4 (1.81) | 1,800 (816) |
| 285A3 | 5" (12.7 cm) | 7 (3.17) | 2,400 (1,089) |
| 286A3 | 6" (15.2 cm) | 11 (4.99) | 3,200 (1,451) |

Nylon Blocks are 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.



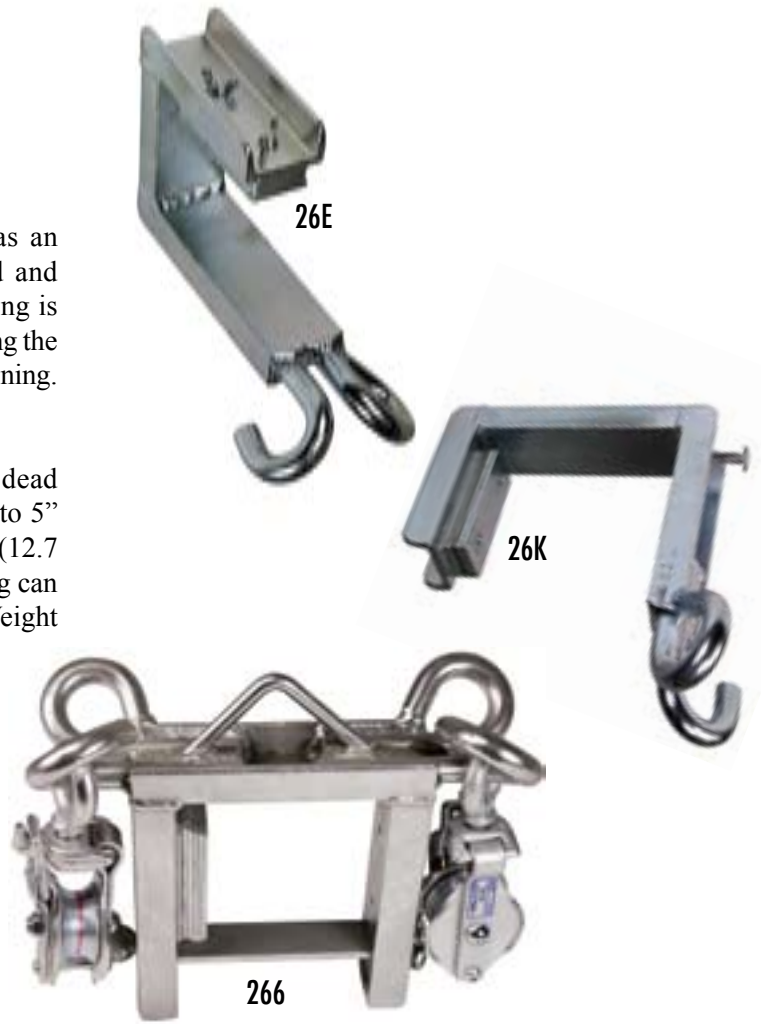
| Cat. No. | Description | Weight lbs. (kgs) | WLL lbs. (kgs) |
|--------------|--|------------------------|---------------------|
| NYLON BLOCKS | | | |
| 3101E | Single Block with Swivel Hook & Becket | 1 (0.45) | 500 (227) |
| 3101W | Single Block with Flat Hook & Becket | 1 (0.45) | 500 (227) |
| 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) |

| Cat. No. | Description | WLL lbs. (kgs) | Weight lbs. (kgs) |
|-------------|------------------------|---------------------|------------------------|
| SAFETY HOOK | | | |
| 4003SH | Conductor Lifting Hook | 2,000 (907) | 6.2 (2.8) |

ARM SLINGS

Fabricated Arm Slings are 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 kgs).

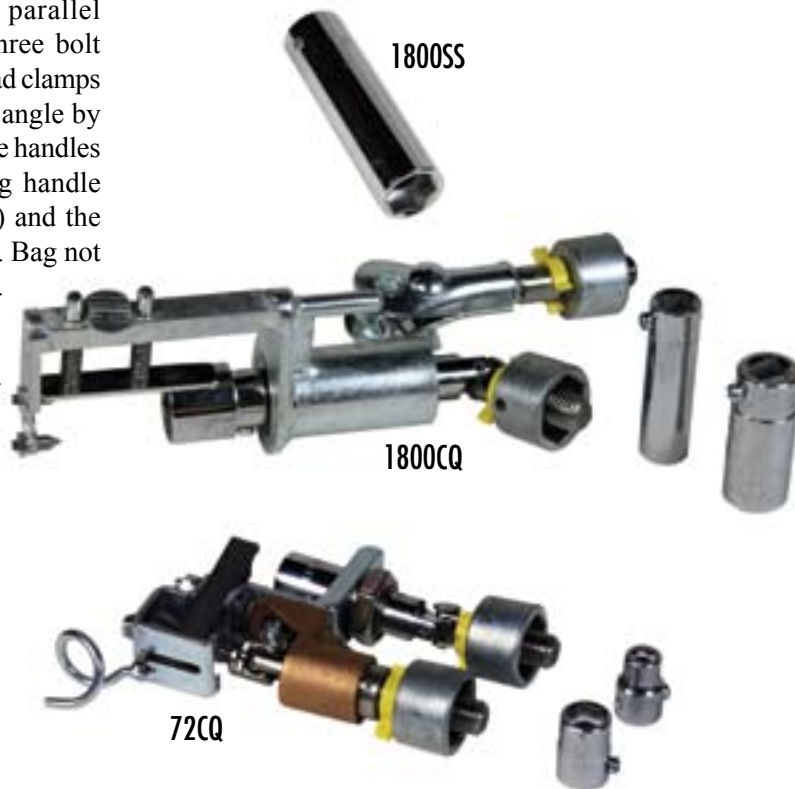
Double Arm Slings are made for dead ending. Adjustable to cross arms 4" to 5" (10.2 to 12.7 cm) wide and 5" to 6" (12.7 to 15.2 cm) high, the double arm sling can be installed with insulating sticks. Weight - 15 lbs. (6.8 kgs).



| Cat. No. | Opening Size in. (cm) | WLL lbs. (kgs) |
|------------------------------|----------------------------|---------------------|
| FABRICATED ARM SLINGS | | |
| 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) |
| DOUBLE ARM SLING | | |
| 266 | With 2 Steel Snatch Blocks | 750 (340) |

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.

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. Order operating sticks separate.



| Cat. No. | Description | Weight lbs. (kgs) |
|--|---------------------------------|------------------------|
| PARALLEL GROOVE CLAMP TOOL HEAD | | |
| 1800CQ | Quick Change Head | 3 (1.96) |
| 1800CU | Universal Head | 3 (1.96) |
| 1800CQS | Quick Change Head with Top Hook | 3 (1.96) |
| PARALLEL GROOVE CLAMP TOOL SOCKET | | |
| 1800SS | 9/16" (1.4 cm) | 1 (0.45) |
| 1800SM | 3/4" (1.9 cm) | 1 (0.45) |
| 1800SL | 15/16" (2.4 cm) | 1 (0.45) |
| CONNECTOR TOOL VISE TYPE HEAD | | |
| 72CQ | Quick Change Head Only | 3 (1.96) |
| 72CU | Universal Head Only | 3 (1.96) |
| CONNECTOR TOOL VISE TYPE HEAD | | |
| 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) |



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