

Products You Trust, Quality You Expect, Safety You Need



World Leader in Electrical Safety PPE Made in the USA

Salisbury understands how important you are to the lives that depend on you and our commitment is to keep you safe by providing electrical safety PPE that has been trusted for over 150 years. Trust in Salisbury PPE to keep you protected on the job and ensure you come home safe each day.



Scan the code and learn more about
the best in class PPE equipment.

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UTILITY PRODUCTS

YOUR SINGLE SOURCE FOR PERSONAL ELECTRICAL SAFETY PROTECTION





CONTENTS



A. GLOVES & SLEEVES



B. LINE HOSE & COVERS



C. BLANKETS



D. PLASTIC GUARDS & COVERS



E. OUTAGE PROTECTION



F. HARD HATS & FACE SHIELDS



G. DIELECTRIC BOOTS



H. INSULATED JUMPERS



I. GROUNDING EQUIPMENT



J. SAFETY LINE GROUNDING EQUIPMENT



K. GROUNDING EQUIPMENT ACCESSORIES



L. HOTSTICKS & TOOLS



M. INSULATORS



N. VOLTAGE DETECTORS



O. ACCESSORIES



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Introducing

ELECTRIFLEX™ GLOVES

with Flex Technology

MORE dexterity, MORE freedom to get MORE done

30%
more
flexible*

The New Electriflex™ Gloves are designed to give linemen the ultimate in flexibility, dexterity and comfort. The Electriflex™ rubber insulating gloves minimize hand fatigue and maximize performance. Now you can take on tasks with less stress, less strain and more gain.

The Next Generation leather protector is another innovative product developed to enhance user comfort. In addition, this brand new leather protector is exclusively designed to fit over the Electriflex™ rubber insulating gloves.

Visit: www.electriflexgloves.com to learn more about Electriflex™ Gloves

* Compared to leading products in the market.
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Honeywell

Stay Compliant with **OSHA** 1910.269 & 1926.960 **UPDATES**

On April 1, 2014, OSHA announced a final rule revising the standards for electric power generation, transmission, and distribution. Prior to this revised rule, arc flash protective clothing was subject to limited regulation and was primarily driven by standards such as NFPA70E and NESC. Look to Salisbury to provide your arc flash protective clothing required by the OSHA Ruling.

Below is a summary of the final ruling. There are 5 key areas of focus:

EMPLOYERS AND TRAINING

- Host and contract employers must share information with each other on safety related matters.
- Required training will be determined by the risk to the employee.

FALL PROTECTION

- Workers must use fall protection when changing location on towers, poles, or similar structures.
- Fall protection equipment must be capable of passing a drop test after exposure to electric arcs of 40 ± 5 cal/cm² to protect workers from fall after exposure to flames or arc flashes.
- Equipment must be set up so workers can free fall no more than .6 meters.

MINIMUM APPROACH DISTANCES

- OSHA to provide a Minimum Approach Distance Calculator on its website.
- MAD will be effective in elevations less than 3,000 feet with systems of 72.5 kV or less.

ARC FLASH HAZARD ANALYSIS

- “NFPA 70E-2004 Table 130.7(C)(9)(a) is a proposed method by OSHA for establishing PPE based on their minimum required arc ratings.”
- Employers must provide all available information that relates to the determination of existing characteristics and conditions.

FR AND ARC RATED CLOTHING

- FR clothing is defined as clothing that does not melt, ignite, or contribute to the injury of the wearer.
- Arc rated clothing is required whenever the calculated energy is greater than 2.0 cal/cm².
- Arc rated clothing must cover the entire body with exception for hands, feet, and head protection.
- If employees face a single phase, open air exposure 9-12 cal/cm², a face shield is required; exposures greater than 13 cal/cm² require a faceshield + balaclava or arc rated hood.
- If employees face a three phase exposure 5-8 cal/cm², a face shield is required; exposures greater than 9 cal/cm² require a faceshield + balaclava or arc rated hood.

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EFFECTIVE DATES:

July 10, 2014

Ruling goes into effect

October 31, 2014

Enforcement begins

Flame Resistant clothing required

January 1, 2015

Arc Flash Hazard Analysis is required

April 1, 2015

Arc flash protection programs required

Arc flash clothing required

New calculated Minimum Approach Distances required

Fall Protection required



National Disaster Response Program

After Hours Emergency Customer Service



*Do you know what to do
in times of disaster?*

*Do you know who to contact
in case of emergency?*

**You can count on Salisbury,
to be there when you need it most.**



Salisbury understands your safety needs. But, Salisbury also understands that your safety needs don't always happen between 9 am and 5 pm. This is why Salisbury has developed the National Disaster Response Emergency Contact.

Salisbury's National Disaster Response will be able to help your emergency safety product orders and customer service needs. While facing national disasters and weather related catastrophes, Salisbury will be there.

NATIONAL DISASTER RESPONSE PROGRAM: After Hours Emergency Customer Service

You can now contact Salisbury after regular business hours during severe emergencies using our new **NATIONAL DISASTER RESPONSE** Contact Line. This new contact line allows product ordering, even after-hours and weekends. A National Disaster Response Team is ready to fulfill your emergency order requirements around the clock during national and international severe weather or natural disasters such as Winter Ice Storms, Tornadoes, Tropical Storms, Hurricanes and Earthquakes.

Our team is ready to fulfill emergency orders of Personal Protective Equipment and Linemen Utility Products required to (1) Restore electrical power and utilities to U.S. and Global regions as a result of natural disaster and (2) provide Personal Protective Equipment to the Industrial or Utility work force resulting from natural disaster.

National Disaster Response emergency contact
for after-hours and weekend emergencies as defined above.

866-957-7515

*National Disaster Response After-Hours
Emergency Contact*

Salisbury Customer Service Department
in Bolingbrook, IL during regular business hours:

877-406-4501

*Monday - Friday 7:30 am - 5:00 pm
Central Standard Time*

BE PREPARED FOR THE NEWEST OSHA REVISIONS

ARC FLASH FACE PROTECTION

Salisbury's weight Balancing Arc Flash Protection Face Shield series with an ATPV rating of 12-20 cal/cm².*

Satisfies the requirements of Paragraph (g)(5)(iv)&(v)

NEXT GENERATION OF ARC FLASH HOODS

Salisbury's revolutionary 40 cal/cm² Lift Front Hood (LFH40PLT) combines the award winning weight balancing face shield, a transparent chin guard and premium lightweight fabric. The LFH40PLT also provides increased visibility and airflow to unite comfort and safety.

Satisfies the requirements of Paragraph (g)(5)(iv)&(v)

DIELECTRIC FOOTWEAR

Salisbury's ASTM dielectric footwear is 100% waterproof and made from premium grade, ozone resistant rubber and tested to 20 KV.

Satisfies the requirements of Paragraph (g)(5)(ii)

INSULATED RUBBER GLOVES

Available in Class 00-4, sizes 7 through 12, including some half sizes, Salisbury's insulating Rubber Gloves are all extremely flexible and make working with small parts easy. *Satisfies the requirements of Paragraph (g)(5)(i)*

ARC FLASH SAFETY KITS

These new kits provide everything needed for eye, face, head and body protection and are available in several configurations to make ordering easier and more convenient.

Satisfies the requirements of Paragraph (g)(5)

PREMIUM LIGHTWEIGHT ARC FLASH SUIT

Salisbury by Honeywell's Premium Light Weight 40 cal/cm² Arc Flash Protection Suit is approximately 30% lighter than Salisbury's standard HRC 4 suit. Keep cooler and improve worker comfort without compromising safety.

Satisfies the requirements of Paragraph (g)(5)(iv)&(v)

ARC FLASH SAFETY KITS: Sizes available S, M, L, XL, L, 2XL, 3XL

| | |
|-------------|---|
| SKCP8-1200 | 8 cal/cm ² Coat & Pants with AS1200HAT |
| SKCP11-1200 | 12 cal/cm ² Coat & Pants with AS1200HAT |
| SKCA8 | 8 cal/cm ² Coveralls with AS1000HAT |
| SKCA11 | 10 cal/cm ² Coveralls with AS1000HAT |
| SK40PLT | 40 cal/cm ² Bib overalls, Coat, Hard Hat, Pro-Hood, Safety Glasses & SKBAG |



IMPORTANT: THE MAXIMUM ARC FLASH PROTECTION OF A KIT IS EQUAL TO THE LOWEST CAL/CM² RATING OF ANY COMPONENT IN THE SELECTED SAFETY KIT.

ARC FLASH FACE PROTECTION 12-40 CAL/CM²



DIELECTRIC FOOTWEAR Whole Sizes 7-17



INSULATED RUBBER GLOVES AVAILABLE IN SIZES 7 THROUGH 12, INCLUDING SOME HALF SIZES



ARC FLASH SAFETY CLOTHING & KITS



***IMPORTANT:** NFPA 70E DOES NOT HAVE A HAZARD RISK CATEGORY ABOVE 40 CAL/CM². WORKING ON LEVELS ABOVE 40 CAL/CM² SHOULD BE AVOIDED BECAUSE OF THE BLAST HAZARDS CAUSED BY ARC FLASH.
NOTE: IN ORDER TO ACHIEVE 360 DEGREE 20 CAL/CM² PROTECTION, A 20 CAL/CM² BALACLAVA MUST BE WORN.

WE HAVE YOU COVERED FROM HEAD TO TOE.

SALISBURY
by Honeywell

COMMON PROBLEMS TO LOOK FOR



CRACKING & CUTTING:
Shown above is damage caused by prolonged folding or compressing.



UV CHECKING:
Storing in areas exposed to prolonged sunlight causes UV checking.



CHEMICAL ATTACK:
This photo shows swelling caused by oils and petroleum compounds.



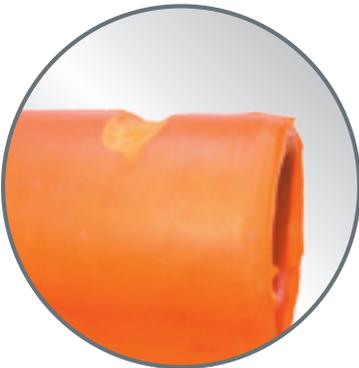
AVOID FOLDING:
The strain on rubber at a folded point is equal to stretching the rubber to twice its length.



SNAGS:
Damage shown here is due to wood and metal splinters and other sharp objects.



AVOID STORING INSIDE OUT:
Storing reversed gloves strains the rubber severely and promotes ozone cutting.



PHYSICAL DAMAGE:
Rope burns, deep cuts and puncture hazards are cause for rejection.



CONTAMINATION:
Discard protectors contaminated with oil or petroleum compounds.



EMBEDDED WIRES:
Inspect for embedded wires or metal shavings that could puncture rubber gloves.

Type I natural (not resistant to ozone) and **Type II SALCOR®** synthetic rubber (resistant to ozone) both provide electrical workers with the highest level of electrical insulating protection. However, in order to maintain this level of protection and ensure long life, it is essential that rubber goods are properly cared for and stored. Before each use, rubber goods should be electrically and visually inspected for holes, rips or tears, ozone cutting, UV checking and signs of chemical deterioration, contamination, physical damage and embedded wires. Refer to ASTM F1236, standard guide for visual inspection of electrical protective rubber products for additional information.

GLOVES & SLEEVES





Manufactured for outstanding protection, comfort and long-life

Rubber insulating gloves are among the most important articles of personal protection for electrical workers. Incorporating high dielectric and physical strength, flexibility and durability, Salisbury rubber insulating gloves have earned the reputation for superior performance—meeting and exceeding the requirements of current ASTM D120 specifications and IEC EN60903 Standards.

Salisbury rubber insulating gloves are manufactured by dipping porcelain forms into a tank of liquefied rubber. The thin layer of rubber which results is allowed to dry and the process is repeated until the required thickness is reached. Depending on the voltage class of the glove, this dipping-drying-dipping cycle may need to be repeated over 30 times. After the desired thickness is achieved, the gloves are allowed to dry. Once dry, they are cut to length, the reinforcing bead is rolled, and the ASTM label and manufacturing information is applied along with any additional permanent marking that may be requested.

The gloves are cured in an autoclave under steam pressure and heat. After curing, the gloves are visually inspected. Gloves with visual imperfections are rejected. The gloves are then given a halogenation treatment (chlorination) to increase the comfort and wearability. The gloves are electrically tested following ASTM D120/IEC 903 specifications. Following the electrical test, the gloves are given a final visual inspection. The gloves are then ready to be boxed and shipped.

SALISBURY
by Honeywell



MORE dexterity, MORE freedom, to get MORE done

You said you wanted **more** from your work gloves. Increased flexibility, extra comfort—yet engineered with the same superior quality and exacting standards you've come to expect from Salisbury.

We listened.

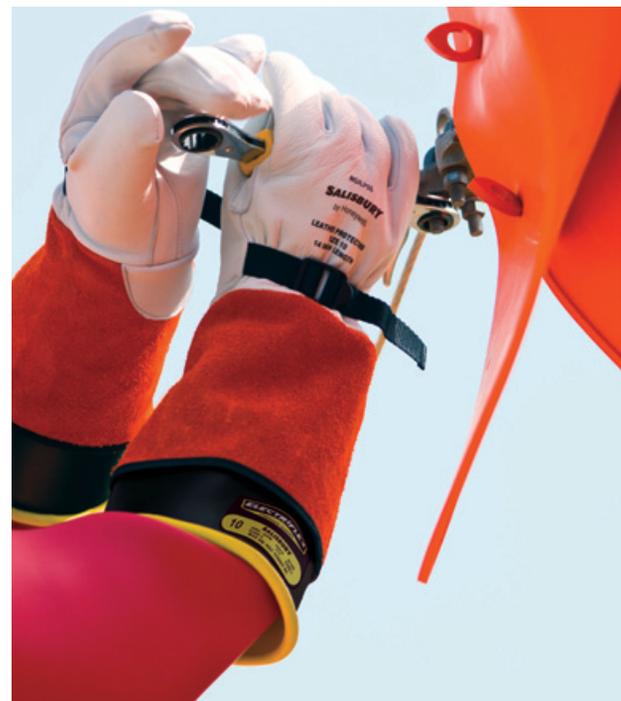
Introducing Electriflex™, the most flexible rubber insulating glove we've ever made. Designed to give linemen the ultimate in comfort and control, these gloves minimize hand fatigue and maximize performance—all while giving you best-in-class protection. With greater flexibility and dexterity, you can optimize every part of your workday and take on tasks with less stress and strain.

Flex technology isn't just about enhancing your productivity. It's also about making sure you return home safely today and continue to lead an active, comfortable life doing the things you enjoy tomorrow.

American Ingenuity At Work

For over 150 years, Salisbury has been your trusted partner in safety and a true leader in innovation. Using the highest quality materials and small batch precision, our engineers invented a new flex formula you can put to work today.

Electriflex™ Gloves are here.



SALISBURY LINEMEN'S GLOVES

STANDARDS INFORMATION

ASTM D120-09 EN60903:2003 Standard Specification for Rubber Insulating Gloves

ELECTRICAL SPECIFICATIONS

| Class | AC Proof Test Voltage, rms, V | DC Proof Test Voltage, avg, V | Maximum Use Volt AC, rms, V | Maximum Use Voltage DC, avg, V |
|-------|-------------------------------|-------------------------------|-----------------------------|--------------------------------|
| 2 | 20000 | 50000 | 17000 | 25500 |
| 3 | 30000 | 60000 | 26500 | 39750 |
| 4 | 40000 | 70000 | 36000 | 54000 |

MATERIAL SPECIFICATIONS

| | | |
|-----------------------------|-----------------------|------------------------|
| Material | Type I Natural Rubber | Not Resistant to Ozone |
| Tensile strength, min | 2,500 psi (17.2 MPa) | |
| Tensile stress at 200%, max | 300 psi (2.1 MPa) | |
| Ultimate elongation, min | 600% | |
| Tension set, max at 400% | 15% | |
| Tear resistance, min | 120 lbf/in (21 kN/m) | |
| Puncture resistance, min | 100 lbf/in (18 kN/m) | |
| Hardness, shore A max | 47 | |

Accelerated aging 70+/-2 °C (158 +/- 3.6 °F), Circulating air, 7 days Tensile strength and elongation of the specimen shall not be less than 80% of the original



PHYSICAL SPECIFICATIONS

| Class | Thickness |
|-------|--------------------------------|
| 2 | 0.040-0.090 in. (1.02-2.29 mm) |
| 3 | 0.060-0.115 in. (1.52-2.92 mm) |
| 4 | 0.080-0.140 in. (2.03-3.56 mm) |

ORDERING INFORMATION

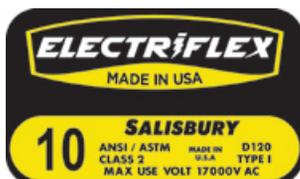
| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
|-------|------------------|---------------------|-----------|----------------------------------|
| NG2 | Straight Cuff | 14 (356) , 16 (406) | B, RB, YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| NG2 | Straight Cuff | 18 (457) | YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| NG3 | Straight Cuff | 16 (406) | B, RB, YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| NG4 | Straight Cuff | 16 (406) | RB | 9, 9H, 10, 10H, 11, 12 |
| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
| NG2 | Bell Cuff | 16 (406) | RB, YB | 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| NG3 | Bell Cuff | 16 (406) | RB | 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| NG4 | Bell Cuff | 16 (406) | RB | 9, 9H, 10, 10H, 11, 12 |
| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
| NG2 | Contour | 18 (457) | RB, YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| NG3 | Contour | 18 (457) | RB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| NG4 | Contour | 18 (457) | RB | 9, 9H, 10, 10H, 11, 12 |

HIGH VOLTAGE MITTEN STYLE

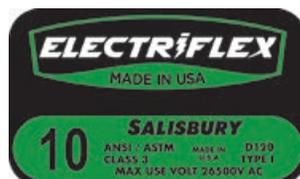
| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
|-------|------------------|---------------------|--------|-----------|
| NG2 | Bell Cuff | 14 (356) , 16 (406) | RB, YB | 9, 10, 11 |
| NG3 | Bell Cuff | 16 (406) | YB | 9, 10, 11 |

PRODUCT MARKING

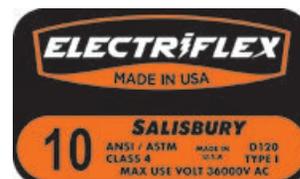
| | |
|--|--|
| Patch attached to the cuff of each glove at the back of the hand | Includes Salisbury, ASTM D120 Compliance, Size, Max Use Voltage, Class, Type, Color coded based on class |
| Serial Number marked on each glove near cuff on thumb side | Provides product traceability |
| Electrical Test Date Mark | Available upon customer request |



Patch Class 2, Type I, Size 10



Patch Class 3, Type I, Size 10



Patch Class 4, Type I, Size 10

Protective Rubber Equipment Labeling Chart

for Salisbury Natural Rubber and SALCOR® Rubber Protective Equipment

Rubber insulating gloves are available in six ASTM defined voltage classes. Rubber dipped sleeves are available in Class 0 through 4. The chart below identifies the class, proof test voltage and maximum allowable exposure voltage.

* Max. Use Voltage when worn with leather protectors.

Insulating Gloves and Sleeves must have a color coded label to meet appropriate ASTM Specifications.

| Class Color | Proof Test Voltage AC / DC | Max. Use Voltage* AC / DC | Rubber Molded Products Label | Insulating Rubber Glove Label | Insulating Rubber Dipped Sleeve Label |
|--------------------|----------------------------|---------------------------|------------------------------|-------------------------------|---------------------------------------|
| 00 Beige | 2,500 / 10,000 | 500 / 750 | | | |
| 0 Red | 5,000 / 20,000 | 1,000 / 1,500 | | | |
| 1 White | 10,000 / 40,000 | 7,500 / 11,250 | | | |
| 2 Yellow | 20,000 / 50,000 | 17,000 / 25,500 | | | |
| 3 Green | 30,000 / 60,000 | 26,500 / 39,750 | | | |
| 4 Orange | 40,000 / 70,000 | 36,000 / 54,000 | | | |



SALISBURY RUBBER INSULATING GLOVES & MITTENS

HIGH VOLTAGE - ASTM CLASS 1, 2, 3, 4 & LOW VOLTAGE - ASTM CLASS 00, 0

CLASS 1 THROUGH 4 GLOVES are available in black or in contrasting two-color combinations. The contrast between the thin outer color against the inner color makes inspecting for cuts and tears easier when the glove is inflated or stretched. Manufactured in the USA Salisbury Class 1,2,3,4 Gloves meet or exceed ASTM D120 and IEC EN60903 standards.

Class 1 through 4 gloves are available in **STRAIGHT CUFF**, **CONTOUR CUFF** and **BELL CUFF** in 14," (356 mm), 16" (406 mm) and 18" (457 mm) lengths. Sizes 7-12 including half sizes and in Black, Red/Black and Yellow/black color combinations.

SALISBURY LINEMEN'S MITTENS are made from the same durable lightweight rubber as the five finger gloves, yet designed to keep the user warmer during harsh temperatures. Mittens are offered in a Bell Cuff style in Class 2 and 3, sizes 9, 10, 11 and in Red/Black and Yellow/Black color combinations.

SELECTING THE RIGHT SIZE, LENGTH AND STYLE

Salisbury linemen's gloves are available in a full range of sizes, from 7 through 12, including half sizes on 8, 9, and 10. Proper fit is important. To determine glove size, measure the circumference around the palm. Allow for additional room if fabric glove liners are to be worn, especially with thermal liners.

SALISBURY LOW VOLTAGE CLASS 00 AND 0 GLOVES are available in 11 and 14 inch lengths.

CLASS 00 Electrical Insulating Rubber Gloves are made from red, black or yellow Type I natural rubber and in blue Type II SALCOR®, or in contrasting blue/orange Type II SALCOR®. The contrast between the outer orange color against the inner blue color makes inspecting for cuts and tears easier when the glove is inflated or stretched.

CLASS 0 Electrical Insulating Rubber Gloves are available in red, black or yellow, and contrasting black/yellow colors in Type I Natural Rubber. The contrast between the outer yellow color against the inner black color makes inspecting for cuts and tears easier when the glove is inflated or stretched. These gloves are also available in blue or contrasting blue/orange colors Type II SALCOR® rubber.



Straight Cuff
E114RB/7



Straight Cuff
E418B/9H



Bell Cuff
E316BCRB/9



Bell Cuff
E418BCYB/9



Contour Cuff
E318CYB/8H



Linemen's Mittens
EM216BCRB/10

SALISBURY ADVANTAGE

Type I and Type II gloves are extremely flexible making it easy to work with small parts. The gloves meet or exceed ASTM D120 and IEC EN60903 Standards.

SALISBURY RUBBER INSULATING GLOVES & MITTENS

HIGH VOLTAGE - ASTM CLASS 1, 2, 3, 4 & LOW VOLTAGE - ASTM CLASS 00, 0

RUBBER INSULATING GLOVES STANDARD OFFERING*

HIGH VOLTAGE GLOVES

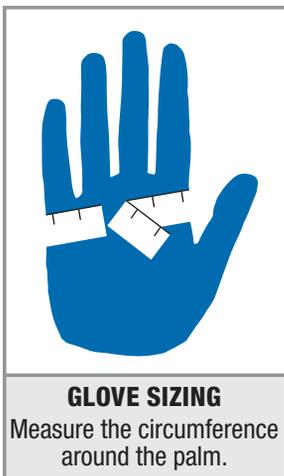
| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
|-------|------------------|---------------------|-----------|----------------------------------|
| E1 | Straight Cuff | 14 (356) , 16 (406) | B, RB, YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E2 | Straight Cuff | 14 (356) , 16 (406) | B, RB, YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E2 | Straight Cuff | 18 (457) | B | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E3 | Straight Cuff | 14 (356) | RB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E3 | Straight Cuff | 16 (406), 18 (457) | B, RB, YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E4 | Straight Cuff | 16(406), 18 (457) | B, RB, YB | 9, 9H, 10, 10H, 11, 12 |

| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
|-------|------------------|-------------------------------|--------|-------------------------------|
| E1 | BELL CUFF | 14 (356) | RB | 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E2 | BELL CUFF | 14 (356) , 16 (406), 18 (457) | RB, YB | 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E2 | BELL CUFF | 16 (406) | B, YB | 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E3 | BELL CUFF | 16 (406), 18 (457) | RB, YB | 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E4 | BELL CUFF | 16 (406), 18 (457) | YB | 9, 9H, 10, 10H, 11, 12 |

| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
|-------|------------------|-----------------|--------|----------------------------------|
| E1 | CONTOUR | 18 (457) | RB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E2 | CONTOUR | 18 (457) | RB, YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E3 | CONTOUR | 18 (457) | RB, YB | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E4 | CONTOUR | 18 (457) | RB | 9, 9H, 10, 10H, 11, 12 |

HIGH VOLTAGE MITTEN STYLE

| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
|-------|------------------|---------------------|--------|-----------|
| E2 | BELL CUFF | 14 (356) , 16 (406) | RB, YB | 9, 10, 11 |
| E3 | BELL CUFF | 16 (406) | YB | 9, 10, 11 |



E0011BL0/9



E0011BL/9



E0011RY/9



E011B/8



E011R/7

LOW VOLTAGE GLOVES - STANDARD OFFERING*

| CLASS | GLOVE CUFF STYLE | LENGTH in. (mm) | COLOR | SIZE |
|-------|------------------|-----------------|--------------------------|----------------------------------|
| E00 | STRAIGHT | 11 (279) | B, R, Y, RY, BL, BLO | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E00 | STRAIGHT | 14 (356) | B, R, BL, BLO | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E0 | STRAIGHT | 11 (279) | B, R, Y, BY, BL, BLO | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |
| E0 | STRAIGHT | 14 (356) | B, R, Y, RY, BY, BL, BLO | 7, 8, 8H, 9, 9H, 10, 10H, 11, 12 |

*Minimum order quantities may apply to certain standard glove options.

Please contact Salisbury Customer Service for a complete minimum order quantity glove part list.

MAKING A PROPER INSPECTION

OSHA 1910.137 states “Insulating equipment shall be inspected before each day’s use and immediately following any incident that can reasonably be suspected of having caused damage. Insulating gloves shall be given an air test, along with the inspection.” Salisbury’s **G100** with **G100A ADAPTER FOR CLASS 00 AND 0** and smaller size gloves, and the **G99**, without additional adapter, are the perfect answer for inflating your gloves for inspection.

The **G99** is a simple, easy to use, portable glove inflator. The G99 provides a quality means of inspecting gloves in the field. The glove is secured to the inflator using a nylon strap and fastened with a hook and pile closure. Inflation is accomplished by pumping the bellows of the inflator against any surface.

NOTE: gloves should be expanded no more than 1.5 times their normal size for Type I, and 1.25 times normal for Type II SALCOR®.

SALISBURY ADVANTAGE

The **G100** is also a simple and easy to use, portable glove inflator. The G100 operates exactly like the G99, but includes an additional G100A adapter to also inspect Class 00 and 0 and smaller gloves. To use the adapter, the glove is secured to the **G100A** adapter using a nylon strap with a hook and pile closure. The adapter, with glove attached, is then placed on top of the inflator to be inflated for inspection.

INF SERIES GLOVE INFLATORS & SLEEVE EXPANDERS

Proper safety requires frequent inspection of gloves and sleeves. These glove inflators and sleeve expanders provide an efficient way to conduct complete and thorough visual inspections before and after use in the field. They are easy to install, simply to operate, accommodates all sleeve and glove sizes and takes up minimal floor space. Compressed air source required.

| CAT. NO. | DESCRIPTION |
|----------------|---|
| G99 | Glove Inflator Kit |
| G99B | Replacement Bag |
| G99S | Replacement Strap |
| G99V | Replacement Check Valve |
| G100 | Glove Inflator Kit with Adapter |
| G100A | Low Voltage Glove Adapter |
| INF-1LV | Standard Bench Glove Inflator (Low Voltage Gloves) |
| INF-1HV | Standard Bench Glove Inflator (High Voltage Gloves) |
| INF-2LV | Standard Bench Model Glove Inflator with Air Line Connection (Low Voltage Gloves) |
| INF-2HV | Standard Bench Model Glove Inflator with Air Line Connection (High Voltage Gloves) |
| INF-3LV | Standard Floor Model Glove Inflator with Air Line Connection and Adjustable Stand (Low Voltage Gloves) |
| INF-3HV | Standard Floor Model Glove Inflator with Air Line Connection and Adjustable Stand (High Voltage Gloves) |
| INF-5 | Bench Model Air-Bag Inflator for High and Low Voltage Gloves |
| INF-6 | Standard Sleeve Expander |
| INF-7 | Replacement Glove Inflator Boots for Air Bag Glove Inflators |
| INF-8 | Replacement Bladders for Sleeve Expander (with closed ends) - Set of three |
| INF-9 | Single Replacement Bladders for Sleeve Expander (with closed ends) - Outside Bladder only |



G99



G100



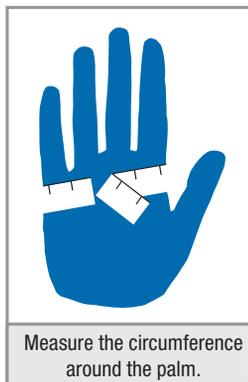
INF-6



G100 with inflated low-volt glove ready for inspection.



G100A



LEATHER PROTECTOR GLOVES should always be worn over Rubber Insulating Gloves to provide the needed mechanical protection against cuts, abrasions and punctures. Manufactured from top grade leather, all are sewn with heavy duty nylon thread in the “gunn cut” inseam construction pattern. Each protector for Class 1-4 gloves are equipped with a nonmetallic buckle on the pull strap and an extra wide leather reinforcement over the thumb seam. Protectors for Class 00 and 0 gloves are available with non-metallic buckle and pull strap or elastic wrist.

All Salisbury Leather Protectors meet ASTM F696 standards.

It is the responsibility of the purchaser to specify the overall length of the protector gloves. The Clearance Table below shows the minimum distance which shall be allowed between the protector glove cuff and the bead of the rubber glove per ASTM F496 Specifications.

Proper care of leather protectors is essential to user safety. Proper care of leather protectors is essential to user safety. Inspect the leather protectors when inspecting rubber gloves for common problems such as cracking & cutting, chemical attaching, folding, snags, etc that result from metal particles, imbedded wire, abrasive materials or any substance that could physically damage the rubber gloves.

| MINIMUM DISTANCE FROM PROTECTOR AND RUBBER GLOVE | | |
|--|------------------------|----------------|
| GLOVE CLASS | LEATHER PROTECTOR CUFF | |
| | ----- CUFF LINE ----- | |
| 00, 0 | 1/2 — | 1/2" from cuff |
| 1 | 1 — | 1" from cuff |
| 2 | 2 — | 2" from cuff |
| 3 | 3 — | 3" from cuff |
| 4 | 4 — | 4" from cuff |

WARNING: DO NOT USE LEATHER PROTECTORS ALONE FOR PROTECTION AGAINST ELECTRIC SHOCK. SERIOUS INJURY OR DEATH WILL RESULT. ALWAYS USE A PROPERLY RATED INSULATING GLOVE FOR THE VOLTAGE BEING WORKED.

CLEARANCE TABLE FOR LEATHER PROTECTORS PER ASTM F496 - TABLE 4

| GLOVE CLASS | MIN. DISTANCE BETWEEN PROTECTORS AND RUBBER GLOVES | |
|-------------|--|-----|
| | in. | mm |
| 00, 0 | 1/2 | 13 |
| 1 | 1 | 25 |
| 2 | 2 | 51 |
| 3 | 3 | 76 |
| 4 | 4 | 102 |

Adapted, with permission, from F696 Standard Specification for In-Service Care of Insulating Gloves and Sleeves, 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.



NEXT GENERATION LEATHER PROTECTORS

NEXT GENERATION LEATHER PROTECTORS Next Generation Leather Protectors are manufactured from top grade cowhide and goatskin leather. Protectors are crafted using heavy duty 4ply cotton thread and are equipped with a nonmetallic buckle for a secure fit.

Salisbury by Honeywell is proud to introduce the Next Generation Leather Protector which is designed exclusively for the insulated Electriflex™ rubber gloves. These new leather protectors offer utility workers the comfort and dexterity needed to get the job done. Next Generation Leather Protectors are available in a variety of whole and half sizes in three different lengths, 12", 14" and 16". The redesigned leather protector was constructed to help amplify the flexibility of the Electriflex™ gloves.

To help amplify the flexibility of the Electriflex™ Gloves, we redesigned our leather protectors:

- Clute design for a more customized fit with Electriflex™
- Crafted with premium grade leather
- Durable cowhide cuff for tough working conditions
- Goatskin hand protection ensures comfort, flexibility and better dexterity

| CAT. NO. | STYLE | OAL LENGTH in. (mm) | WEIGHT EA. lbs. (kgs) |
|---|---------------|------------------------|--------------------------|
| NEXT GENERATION LEATHER PROTECTORS | | | |
| NGILP3S | Straight Cuff | 12" (305) | 0.50 (0.23) |
| NGILP5S | Straight Cuff | 14" (355) | 0.62 (0.28) |
| NGILP7S | Straight Cuff | 16" (406) | 0.76 (0.34) |

Available in sizes: 8, 8.5, 9, 9.5, 10, 10.5, 11, 12





ILPG10

ILP10A

ILP3S



ILP7C



ILPM5S



156-4



156-6



Salisbury's SALCOR® cuff provides maximum protection.

156 PREMIUM SERIES These protectors are made from specially tanned Grade A Red Boulevard buffed leather and an orange colored SALCOR® “Super Cuff” in the 4” (102 mm) and 6” (152 mm) cuff lengths. The “Super Cuff” has better characteristics than leather or vinyl cuffs; it does not absorb water, has greater track resistance and creepage.

| CAT. NO. | CUFF LENGTH in. (mm) | OAL LENGTH in. (mm) | WEIGHT EA. lbs. (kgs) |
|----------|-------------------------|------------------------|--------------------------|
| 156-4 | 4 (102) Straight Cuff | 12 (305) | 1 (.5) |
| 156-6 | 6 (152) Straight Cuff | 14 (356) | 1.2 (.5) |

Available in dual sizes: 8/8.5, 9/9.5, 10/10.5, 11/11.5, 12

ILP SERIES Manufactured from top grain cowhide, or goatskin, these protectors provide excellent protection for rubber insulating gloves at a very economical price. Cowhide cuffs are tough leather on palm side and orange vinyl on the back, while the goatskin cuffs are green leather on palm side and orange vinyl on back. A full offering of styles is available from 10” through 16” contour cuff. Leather protectors are available in size 7, dual sizes 8/8.5 through 11/11.5 and size 12.

ILPM SERIES MITTEN PROTECTOR Manufactured from top grain cowhide, these protectors offer excellent comfort and protection. The ILPM Series mitten protectors feature adjustable straps with non-metallic buckles and are stitched with polyester thread for strong seams. Cuffs are tough leather on palm side and orange vinyl on the back of the hand. Leather protectors are available in sizes 9, 10 and 11.

| CAT. NO. | OAL LENGTH in. (mm) | WEIGHT EA. lbs. (kgs) |
|-----------------------------|------------------------|--------------------------|
| ILP SERIES - COWHIDE | | |
| ILP3S* | 12 (305) | 1 (.5) |
| ILP4S* | 13 (330) | 1 (.5) |
| ILP5S* | 14 (356) | 1.2 (.5) |
| ILP6S* / ** | 15 (381) | 1.2 (.5) |
| ILP7C* / ** | 16 (406) | 1.5 (.7) |
| ILP10* | 10 (254) | .7 (.32) |
| ILP10A* w/ pull strap | 10 (254) | .7 (.32) |

*To specify goatskin, use ILPG. Goatskin not available in size 7.

Available in sizes: 7, 8/8.5, 9/9.5, 10/10.5, 11/11.5, 12

** Not available in size 7.

| CAT. NO. | OAL LENGTH in. (mm) | WEIGHT EA. lbs. (kgs) |
|------------------------------|------------------------|--------------------------|
| ILPM SERIES - COWHIDE | | |
| ILPM3S | 12 (305) | 1 (.5) |
| ILPM4S | 13 (330) | 1 (.5) |
| ILPM5S | 14 (356) | 1.2 (.5) |

Available in sizes: 9, 10, 11

GLOVE STORAGE & GLOVES KITS

PROPER STORAGE EXTENDS THE SERVICE LIFE OF LINEMEN'S GLOVES.

Folds and creases strain rubber and cause it to crack from ozone exposure prematurely. By storing rubber gloves in the right size bag, and never forcing more than one pair into each bag, equipment will lie flat and last longer.

Salisbury bags are constructed of heavy duty canvas duck and are double stitched and riveted at stress points for extra durability. Canvas bags feature a D ring for hanging in trucks or on work belts. Bags feature tapered gussets with wide opening tops for easy insertion.

GLOVE AND PROTECTOR COMBO BAGS contain two layered pockets in one bag. Now, both a pair of gloves and protectors can be properly stored in one convenient bag. Never worry about having to bring more than one bag from job site to job site.

| CAT. NO. | FOR GLOVE Length in. (mm) | DIMENSIONS inches (mm) | WEIGHT EA. lbs. (kgs) |
|----------|---------------------------|------------------------|-----------------------|
|----------|---------------------------|------------------------|-----------------------|

26 OZ. CANVAS GLOVE BAGS

| | | | |
|--------------|----------|----------------------|----------|
| GB112 | 11 (280) | 9" x 14" (229 x 356) | 1 (.5) |
| GB114 | 14 (356) | 9" x 16" (229 x 406) | 1 (.5) |
| GB116 | 16 (406) | 9" x 18" (229 x 457) | 1.2 (.6) |
| GB118 | 18 (457) | 9" x 20" (229 x 508) | 1.5 (.7) |

14.75 OZ. CANVAS GLOVE & PROTECTOR BAGS

| | | | |
|---------------|----------|----------------------|----------|
| GPB112 | 12 (305) | 9" x 14" (229 x 356) | 1 (.5) |
| GPB114 | 14 (356) | 9" x 16" (229 x 406) | 1 (.5) |
| GPB116 | 16 (406) | 9" x 18" (229 x 457) | 1.2 (.6) |
| GPB118 | 18 (457) | 9" x 20" (229 x 508) | 1.5 (.7) |

GLOVE & SLEEVE COMBO BAGS

| | | | |
|-------------|-------------------|----------------------|----------|
| 2C16 | 14 (356) 16 (406) | 9" x 18" (229 x 457) | 1.2 (.6) |
| 2C18 | 18 (457) | 9" x 20" (229 x 508) | 1.5 (.7) |



GB116



GPB116

SALISBURY
by Honeywell

Linemen's Gloves

Manufactured and tested in accordance with the current ASTM D120 specification.

| CATALOG NO. | TYPE | CLASS | LENGTH | CUFF | COLOR | SIZE | CATEGORY |
|------------------|----------|----------|-----------|-----------|----------|-----------|-------------|
| E0011BL/9 | 1 | 2 | 16 | ST | B | 10 | AHCZ |

4090 Azalea Dr. Charleston, SC 29405 www.Salisburybyhoneywell.com Made in Charleston, SC USA ISO 9001 Registered Facility

Note: If you require test date stamping, please specify when ordering.

SALISBURY ADVANTAGE GLOVE KITS

Salisbury's insulating rubber gloves are necessary for every electrical worker's complete safety. And to ensure your safety, Salisbury's leather protectors provide needed protection from cuts, abrasions and punctures. To keep these safety items in top condition, proper storage is very important.

PRODUCT NUMBERING CHART FOR GLOVE KITS

| CLASS | LENGTH (inches) | COLOR | GLOVE SIZE (choose one below) |
|-----------------|-----------------|-------------|------------------------------------|
| GK 00 | 11 or 14 | B, BL, Y, R | 7, 8, 8H, 9, 9H 10, 10H, 11, 12 |
| GK 0 | 11 or 14 | B, BL, Y, R | |
| GK 2 | 14, 16, or 18 | B, RB | |
| Example: | | | |
| GK011BL9 | 11 | BL | 9 |

GK011BL9 is a glove kit with a Class 0, 11" long, blue glove, size 9. The appropriate glove bag and leather protectors will be included.

Type I Natural Rubber available in: R=Red, Y=Yellow, B=Black, RB=Red in, Black out.
Type II Salcor® Rubber available in: BL=Blue



GK011BL9



RUBBER INSULATING SLEEVES extend coverage of the arm from the cuff of rubber insulating gloves to the shoulder; fully protecting these areas from accidental contact with energized conductors and equipment. Salisbury sleeves feature a reinforcing fold at the cuff. This fold is preferred over a rolled bead because it adds less bulk to the cuff and fits into the glove easier without pushing. Two different processes are used to manufacture insulating sleeves; dipping and molding. Both meet the current requirements of ASTM D1051 and offer the same high level of quality and protection.

SIZING

Sleeves should be selected to fit the arm comfortably, covering from the top of the shoulder to inside the top of the glove. To minimize the possibility of the sleeves pushing gloves off the hand, size the sleeve to the shortest length possible while maintaining complete coverage to the shoulder.

SIZING LINEMEN'S SLEEVES

STRAIGHT ARM SLEEVE- Figure 1

| A in. (m) | B in. (mm) | C in. (mm) | D in. (mm) |
|--------------------|---------------|---------------|---------------|
| SMALL | | | |
| 24.25 (616) | 15.13 (384) | 12.5 (317) | 5.75 (146) |
| REGULAR | | | |
| 26.25 (667) | 15.5 (394) | 11.25 (286) | 5.5 (140) |
| LARGE | | | |
| 28.5 (724) | 17 (432) | 12.87 (327) | 6.87 (175) |
| EXTRA LARGE | | | |
| 30 (762) | 19 (483) | 13.25 (337) | 6.87 (175) |

EXTRA CURVED ARM SLEEVE- Figure 2

| A in. (mm) | B in. (mm) | C in. (mm) | D in. (mm) |
|--------------------|---------------|---------------|---------------|
| SMALL | | | |
| 24.25 (616) | 15.13 (384) | 12.5 (317) | 5.75 (146) |
| REGULAR | | | |
| 26.5 (673) | 15.5 (394) | 12.25 (311) | 5.25 (133) |
| LARGE | | | |
| 27.75 (705) | 16 (406) | 12.87 (327) | 6.87 (175) |
| EXTRA LARGE | | | |
| 29.5 (749) | 17.5 (445) | 12.87 (327) | 7 (178) |

Figure 1

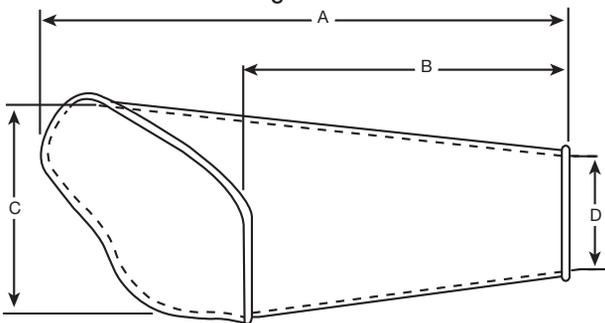
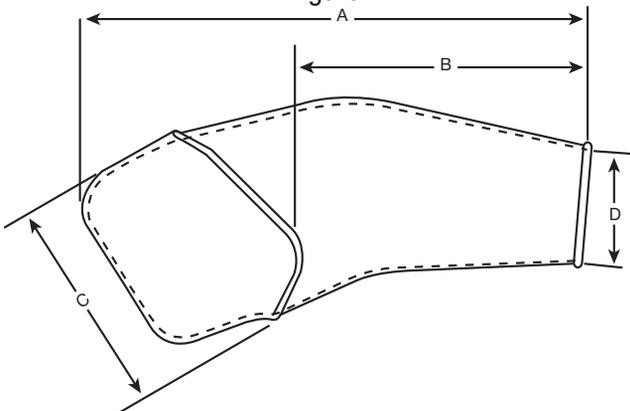


Figure 2



DIPPED LINEMEN'S SLEEVES

SALISBURY ADVANTAGE

DIPPED SLEEVES are manufactured in the same way as Salisbury rubber insulating gloves. Porcelain forms are dipped into liquefied rubber, dried, trimmed, marked and cured. Every sleeve receives the same quality inspections and electrical testing before shipping. Dipped sleeves are available in the same colors as dipped gloves, including two color combinations.

Salisbury offers two popular styles of dipped linemen's sleeves: straight and extra-curved. Both styles are available in solid color or color combination, size and voltage class. Most importantly, all are made to the same rigid levels of quality demanded by Salisbury.

Only Salisbury offers both dipped and molded sleeves.

MOLDED SLEEVES are manufactured by either injection or compression molding methods. The advantage these methods offer is the ability to produce sleeves of Type I or SALCOR® Type II synthetic rubber. SALCOR® sleeves provide the same high quality and electrical protection as natural rubber, with the added benefit of being resistant to ozone and ultraviolet radiation. Type I sleeves are available in black, yellow or maroon. Type II SALCOR® sleeves are black or orange. Molded sleeves are available in curved arm style only.

CAT. NO. BREAKDOWN FOR DIPPED TYPE I SLEEVES

| VOLTAGE CLASS | SIZE | COLOR |
|---------------|---------------|----------------------|
| D0 | S, R, L or XL | Y = yellow |
| D1 | S, R, L or XL | B = black |
| D2 | S, R, L or XL | YB = Y inside, B out |
| D3 | S, R, L or XL | RB = R inside, B out |
| D4 | S, R, L or XL | YR = Y inside, R out |

S=small, R=regular, L=large or XL=extra large

Add suffix "-ST" to order straight cuff or "-EC" to order extra-curved cuff

EXAMPLE: D2LYB-ST is a Large Yellow inside, Black outside Straight Cuff

Dipped sleeve

CAT. NO. BREAKDOWN FOR MOLDED TYPE I SLEEVES

| VOLTAGE CLASS | SIZE | COLOR |
|---------------|------------|---------|
| 1 | R or L | Y |
| 2 | R, L or XL | B, Y, M |
| 3 | R or L | Y, M |
| 4 | R or L | M |

R=regular, L=large or XL=extra large

B=black, Y=yellow or M=maroon

EXAMPLE: 2RB is a Class 2, Regular, Black Molded Sleeve

CAT. NO. BREAKDOWN FOR MOLDED TYPE II SLEEVES

| VOLTAGE CLASS | SIZE | COLOR |
|---------------|------------|----------|
| 1 | R or L | BS or OS |
| 2 | R, L or XL | BS or OS |

R=regular, L=large or XL=extra large

BS=black SALCOR® OS=orange SALCOR®

EXAMPLE: 2LOS is a Class 2, Large, Orange Molded Sleeve.

Straight Arm
D2RYB-ST



Extra-Curved Arm
D2LYR-EC



Molded Black
Type I
2RB



Molded Yellow
Type I
3LY



Molded Orange
Type II
2ROS



PROPER STORAGE EXTENDS THE SERVICE LIFE OF LINEMEN'S SLEEVES.

Folds and creases strain rubber and cause it to crack from ozone prematurely. By storing rubber sleeves in the right size bag, and never forcing more than one pair into each bag, equipment will lie flat and extend the life of the product.

Salisbury bags are constructed of heavy duty canvas duck and are double stitched and riveted at stress points for extra durability. Canvas bags feature a D ring for hanging in trucks or on work belts. Bags feature tapered gussets with wide opening tops for easy insertion.

SALISBURY ADVANTAGE

The **T32** bag contains a **CRUSH RESISTANT LINING** to create a more protective environment for your sleeves.

ACCESSORIES

SLEEVE BUTTONS, STRAPS AND HARNESSSES are required to wear rubber insulating sleeves properly. Four buttons, two straps and one harness is required per pair of sleeves.



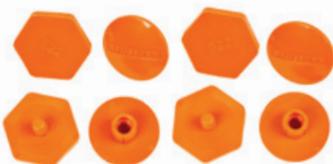
| CAT. NO. | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|--------------------------|---|--------------------------|
| CANVAS SLEEVE BAG | | |
| T31 | 30" x 9.5" (762 x 241 mm) | 1.5 (.7) |
| T32 | 30" x 13" (762 x 330 mm) | 3 (1.4) |
| BUTTONS | | |
| B2 | One Piece Sleeve Button | .2 (.01) |
| B22 | 4 Screw Type Buttons | .8 (.04) |
| STRAPS | | |
| S1 | (2) 15" (381 mm) Straps w/ 4 B2 Buttons | .1 (.005) |
| S1NB | (2) 15" (381 mm) Straps | .1 (.005) |
| HARNESS | | |
| H1 | Harness w/ 4 B2 Buttons | 1 (.45) |



S1



H1



B22

Two-piece sleeve button
4 required per pair of sleeves



B2

One piece sleeve button
4 required per pair of sleeves

SALISBURY LINEMEN'S GLOVE LINERS

LINER GLOVES enhance the comfort of wearing Rubber Insulating Gloves in every season. Liners provide warmth in the cold season and absorb perspiration in the warm months. Many styles and fabrics are available with either an open or knit wrist.

The knit wrist style grips the wrist rather than allowing the cuff to roll down and bunch at the palm. All Liner Gloves are for year round use with Rubber Insulating Gloves and Mittens. All liners are made from stretch fabric that can fit any hand size.

The **L SERIES** has a tough outer cotton fabric while the inner lining is soft and comfortable. The **LMKC SERIES** is light, airy and allows ease of movement. The **LMKW SERIES** is made from a wool blend fabric that moves easily yet gives a substantial layer of lining.

The **89 SERIES** is Salisbury's classic summer and winter glove liner. Liners absorb perspiration from hands. The summer liner is white in color and 100% cotton. The winter blend is made of 85% acrylic, 15% nylon and is a rust color.



L10J



L10JK



L12J

| CAT. NO. | DESCRIPTION | WRIST Style | LENGTH in. (mm) | WEIGHT EA. lbs. (kgs) |
|----------|--|-------------|-----------------|-----------------------|
| L10JK | Jersey Style, Light Weight, Seams Out | Knit | 10 (254) | .14 (.06) |
| L10J | Jersey Style, Light Weight, Seams Out | Open | 10 (254) | .12 (.06) |
| L12J | Jersey Style, Light Weight, Seams Out | Open | 12 (305) | .14 (.07) |
| L10MKC | Machine Knit, 100% Cotton | Knit | 10 (254) | .12 (.05) |
| L12MKC | Machine Knit, 100% Cotton | Knit | 12 (305) | .12 (.05) |
| L10MKW | Machine Knit, Wool Blend | Knit | 10 (254) | .14 (.06) |
| L12MKW | Machine Knit, Wool Blend | Knit | 12 (305) | .14 (.07) |
| 89/1402 | White Machine Knit, 100% Cotton | Knit | 10 (254) | .12 (.06) |
| 89/4702 | Rust Machine Knit, 85% Acrylic & 15% Nylon | Knit | 10 (254) | .12 (.06) |

One size fits all.



L12MKC



L10mkw



89/1402



89/4702



Salisbury's **SALPOL GLOVES** protect hands during cold weather jobs. The black split cowhide leather has a 3M Thinsulate* lining to keep hands warm. For extra warmth, a long knit wrist is sewn into the safety cuff to keep out snow and ice. The glove also has a full leather index finger, knuckle strap, leather fingertips, and pull patch.

*Thinsulate is a registered Trademark of the 3M Company.

DRIVER WORK GLOVES set the standard for quality at an affordable price. Combining comfort, durability and economy, Salisbury leather Drivers Work Gloves meet the tough challenges of today's demanding workplace. Available in lined or unlined styles. The bindings are color coded to indicate size: red-small, green-medium, brown-large, purple-extra large.

LINEMEN WORK GLOVES are designed specifically for use by linemen and offers many of the quality features found in our leather protectors. Made from high quality grain cowhide or goatskin, this glove is soft and flexible, while still being highly abrasion and cut resistant for long wear.

UWG-KLG - KEVLAR® UTILITY GLOVE - CUT RESISTANT

This all purpose work glove is highly cut-resistant and features a 100% KEVLAR® lining. This glove has great dexterity and durability.

UWG-HUXT - PRO UTILITY GLOVE - MAX ABRASION RESISTANT

This all purpose work glove has maximum abrasion resistance, good dexterity and breathability. The top of the hand features stretch nylon and the extended cuff includes asphalt reinforcement on the palm side.



UWG-KLG



UWG-HUXT



LW2SPE



I95/217/WHS



SP-L

| CAT. NO. | DESCRIPTION | LENGTH in. (mm) | WEIGHT EA. lbs. (kgs) |
|----------------------|------------------------|-----------------|-----------------------|
| SALPOL GLOVES | | | |
| SP-S | Small Size Polar Glove | n / a | .5 (.23) |
| SP-L | Large Size Polar Glove | n / a | .5 (.23) |

| CAT. NO. | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|--|--|-----------------------|
| DRIVERS & LINEMEN WORK GLOVES | | |
| I95/217/WHS* | Unlined | .3 (.14) |
| I95/317/WHS* | Lined | .3 (.14) |
| LW2SPE** | Cowhide leather, natural pigskin cuff | .4 (.18) |
| LWG2SPE** | Goatskin leather, natural pigskin cuff | .4 (.18) |
| UWG-KLG* | KEVLAR utility glove - cut resistant - all purpose | - |
| UWG-HUXT* | Pro utility glove - max abrasion resistant - all purpose | - |

* Add "-S" for small, "-M" for medium, "-L" for large, "-XL" for extra large

** Add "-M" for medium, "-L" for large, "-XL" for extra large

CLEANERS AND SUPPLIES

RUB-OUT® is a non-petroleum-based hand cleaner for workers who wear rubber gloves and sleeves. It dissolves and removes grease, oil, ink, tar, pipe dope, creosote, paint and more without harming natural rubber or SALCOR® rubber. Product cleans with or without water and contains skin conditioners that leave a fresh citrus scent.

SALISBURY'S RUB-OUT® TOWELETTES are pre-moistened, heavy duty hand cleaner towels that work fast to loosen, dissolve, and absorb dirt and grease, and will not harm rubber gloves! Our powerful yet safe cleaning agents work together with an absorbent, non-scratching abrasive cleaning towel. The citrus-based formula easily removes soil from your hands and leaves them cleaned and conditioned anywhere you're working. And after cleaning your hands, there is enough absorbency to clean your tools and other surfaces with the same towel. These shop size (10.5" x 12.25") durable towels quickly remove tough-to-clean substances including lubricants, tar, oils, wax, caulk and much more.

TEN-FOUR® GLOVE DUST is a cooling, frictionless powder that absorbs moisture and perspiration when wearing rubber gloves. Provides extra comfort while preventing gloves from getting sticky. The 5-oz. bottle easily fits in a pocket or glove bag. The 4-quart bulk package is used in test labs as a dusting powder when cleaning and testing.

SUPER SALCO® CLEANER is a concentrated detergent with a special grease release formula that removes oils, grease and dirt from natural rubber and SALCOR® rubber equipment. Suitable for washing linemen's rubber gloves, sleeves and other specialty equipment, by hand or in commercial washing machines. Also works well on fiberglass and other materials. Just dilute with water, apply with a rag or sponge and rinse thoroughly.

SALCON® Silicone Spray is specially formulated to reduce friction on SALCOR® only. Forms an oxygen barrier which helps reduce corona cutting and weather checking on rubber equipment. May also be used to spray spark plugs and battery terminals in damp weather to assist in starting.

| CAT. NO. | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|----------|-------------|--------------------------|
|----------|-------------|--------------------------|

RUB-OUT® HAND CLEANER

| | | |
|------|-----------------------------------|----------|
| 1451 | 16 oz. (.45 kg) can, 12/pack | 16 (7.3) |
| 1453 | Dispenser for 4.5 lbs. (2 kg) can | 1 (.5) |

RUB-OUT® TOWELETTES

| | | |
|------|------------------------------------|----------|
| 1460 | Bucket of 60, 6 buckets / Case | 14 (6.4) |
| 1461 | Single Packets, 100 Singles / Case | 3 (1.4) |

TEN-FOUR® GLOVE DUST

| | | |
|----------|-----------------------------------|-----------|
| 10-4 | 12 @ 5 oz. (170g) squeeze bottles | 5.5 (2.2) |
| 10-4-4QT | 4 quarts (3.8 ltrs.) bulk, single | 8 (3.6) |

SUPER SALCO® DETERGENT

| | | |
|-----|-------------------------------|-----------|
| S4 | 1 gal (3.8 ltr.) jugs, 4 pack | 54 (24.5) |
| S5 | 5 gal (19 ltr.) drum | 49 (22.3) |
| S55 | 55 gal (208 ltr.) drum | 540 (245) |

SALCON® SILICONE SPRAY

| | | |
|-----|-------------|---------------|
| S99 | Aerosol can | 16 oz. (.454) |
|-----|-------------|---------------|



1460

S5



1461



1451



10-4



S99

LINE HOSE & COVERS

FAQ

Q: What is SALCOR® Rubber and why does Salisbury use it to make their line hose products?

A: SALCOR® Rubber is a TYPE II rubber that remains flexible in cold weather and is resistant to ozone and UV rays. Salisbury's exclusive SALCOR® Rubber is the preferred material for line hose and other insulating products because it easily withstands the elements and does not lose its flexibility or insulating properties.

HISTORY

Leading the industry with over ninety years of Research and Development

Filed: United States Patent Office, December 21, 1922 Serial No 605,340

"To all whom it may concern: Be it known that I, Moses B. Salisbury, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, has invented an Improved Protective Insulating Sleeve, of which the following is a specification. . ."

This application, one of hundreds filed in the US Patent Office for Salisbury, proved to be the most effective device for protecting linemen from accidental contact with energized lines, and is still regarded as indispensable to the electrical industry today.

With over ninety years of research and development on linemen's protective equipment, Salisbury offers the most comprehensive line of protection up to 69 kV in the industry.

NOTE

All Salisbury Covers and Protective Equipment are designed for personal protection only. They are not to be used for mechanical protection.



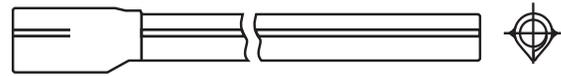
The connector, formed at one end, receives and overlaps the end of an adjoining hose for a distance of 6.5" (165 mm).

Use the chart below to determine the maximum conductor diameter recommended for use with each size line hose. For ease of installation and to minimize the potential of flashover through the overlapping lips, line hose is always sized larger than the maximum conductor diameter.

Salisbury Line Hose is available in four ASTM D1050 styles, as shown below:



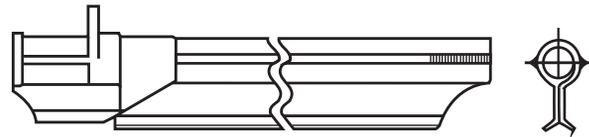
Style A
Class 2 & 3
Straight Conventional



Style B
Class 2 & 3
Connector End Conventional



Style C
Class 4
Extended Lip Straight



Style D
Class 4
Extended Lip Connector End

| LINE HOSE SIZE SELECTOR CHART | | | | | | | |
|-------------------------------|-----------------------------------|------------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|
| I.D. OF LINE HOSE IN. (MM) | CONDUCTORS AND DIAMETERS IN. (MM) | | | | | | |
| | 4/0 .46 (12) | 266,800 .609 (15.5) | 336,400 .677 (17) | 477,000 .793 (20) | 556,500 .858 (22) | 795,000 1.028 (26) | 954,000 1.126 (29) |
| 1 (25) | 20 kV Conventional | | | | | | |
| 1 1/4 (31) | 20 kV Conventional | | | | | | |
| 1 1/2 (38) | 30 kV Conventional | | | | | | |
| 1 1/2 (38) | 40 kV SU System | | | | | | |
| 2 (51) | 30 kV Conventional | | | | | | |
| 2 (51) | 40 kV SU System | | | | | | |
| 2 1/2 (64) | 30 kV Conventional | | | | | | |
| 2 1/2 (64) | 40 kV SU System | | | | | | |

LINE HOSE & CONNECTORS

CONVENTIONAL SYSTEM

CONVENTIONAL STYLE LINE HOSE is available in orange Type II SALCOR®. SALCOR® remains flexible even in cold weather and it is not damaged by ozone or ultraviolet rays. Each line hose has Salisbury's RIB-GRIP® Locking System. The straight or connector end style is available in three sizes: 1" and 1.25" I.D. rated at 17 kV, Class 2 and 1.5" I.D. rated at 26.5 kV, Class 3.

STRAIGHT STYLE SALCOR® HOSE is also available in 2" or 2.5" I.D. rated at Class 3.

CONVENTIONAL LINE HOSE CONNECTORS are made from Type II orange SALCOR® and can be used on 1", 1.25", or 1.5" I.D. conventional line hose. To connect 2" and 2.5" I.D. conventional line hose, use the SU System Connector.

THE TIGHTEST GRIP IN THE INDUSTRY.

The self-locking lip, that Salisbury patented, prevents line hose from coming off the conductor after an installation is complete. Often, as a lineman is working on an installation and making adjustments, the angle of connection shifts, causing line hose and covers to separate. To prevent this, Salisbury developed an ingenious solution for ensuring that any two protective devices would hold together yet still be easy for a lineman to assemble and take apart.

RIB-GRIP® construction takes advantage of rubber's natural tendency to grip and tighten its grip through compression. By creating curving rib configurations slit at a specific angle, two pieces easily slip together but resist coming apart. To quickly disengage the lineman needs only to compress the rubber on either side.



ORC150-6



RIB-GRIP® Locking System



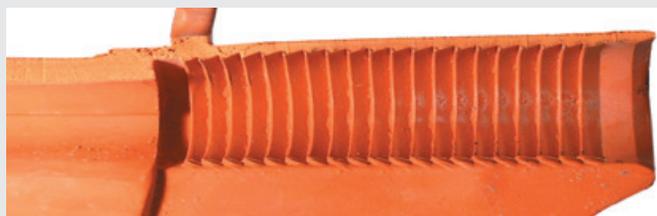
Sectional view of typical insulator cover showing arrangement of ribs. Ribs are engineered to grip the serrations on its corresponding line hose, regardless of angle.



A row of serrations on both sides of connector line hose grips snugly inside the large arm of insulator covers.



Saw-tooth serrations on the ends of line hose are angled to make it easy to insert, but resist coming apart.



Connector end line hose with rubber ribs grasp tightly and hold an adjoining length of hose.

LINE HOSE & CONNECTORS

CONVENTIONAL SYSTEM

| CAT. NO. | ASTM CLASS | TYPE | DIMENSIONS I.D. X LENGTH | | WEIGHT EA. lbs. (kgs) |
|--|------------|------|--------------------------|---------------|--------------------------|
| | | | in. | (mm) | |
| SALCOR® STRAIGHT LINE HOSE | | | | | |
| OR100-3 | 2 | II | 1" x 3' | (25 x 915) | 3 (1.4) |
| OR100-45 | 2 | II | 1" x 4.5' | (25 x 1372) | 4 (1.8) |
| OR100-6 | 2 | II | 1" x 6' | (25 x 1820) | 5.5 (2.5) |
| OR125-3 | 2 | II | 1.25" x 3' | (31.5 x 915) | 4 (1.8) |
| OR125-45 | 2 | II | 1.25" x 4.5' | (31.5 x 1372) | 6 (2.7) |
| OR125-6 | 2 | II | 1.25" x 6' | (31.5 x 1820) | 7.5 (3.4) |
| OR150-3 | 3 | II | 1.5" x 3' | (40 x 915) | 5 (2.3) |
| OR150-45 | 3 | II | 1.5" x 4.5' | (40 x 1372) | 7 (3.2) |
| OR150-6 | 3 | II | 1.5" x 6' | (40 x 1820) | 9.5 (4.3) |
| OR200-3 | 3 | II | 2" x 3' | (50 x 915) | 5.5 (2.5) |
| OR200-45 | 3 | II | 2" x 4.5' | (50 x 1372) | 8 (3.6) |
| OR200-6 | 3 | II | 2" x 6' | (50 x 1820) | 11 (5.0) |
| OR250-3 | 3 | II | 2.5" x 3' | (63 x 915) | 7 (3.2) |
| OR250-45 | 3 | II | 2.5" x 4.5' | (63 x 1372) | 10.5 (4.8) |
| OR250-6 | 3 | II | 2.5" x 6' | (63 x 1820) | 14 (6.4) |
| SALCOR® CONNECTOR END LINE HOSE | | | | | |
| OR100-3C | 2 | II | 1" x 3' | (25 x 915) | 3.5 (1.6) |
| OR100-45C | 2 | II | 1" x 4.5' | (25 x 1372) | 5 (2.3) |
| OR100-6C | 2 | II | 1" x 6' | (25 x 1820) | 6.5 (2.9) |
| OR125-3C | 2 | II | 1.25" x 3' | (31.5 x 915) | 4.5 (2.0) |
| OR125-45C | 2 | II | 1.25" x 4.5' | (31.5 x 1372) | 6.5 (2.9) |
| OR125-6C | 2 | II | 1.25" x 6' | (31.5 x 1820) | 7 (3.2) |
| OR150-3C | 3 | II | 1.5" x 3' | (40 x 915) | 6 (2.7) |
| OR150-45C | 3 | II | 1.5" x 4.5' | (40 x 1372) | 8 (3.6) |
| OR150-6C | 3 | II | 1.5" x 6' | (40 x 1820) | 9 (4.1) |
| LINE HOSE CONNECTORS | | | | | |
| ORC100 | 2 | II | 1" x 1' | (25.4 x 305) | 2.5 (1.1) |
| ORC125 | 2 | II | 1.25" x 1' | (32 x 305) | 3.5 (1.6) |
| ORC150 | 3 | II | 1.5" x 11' | (38 x 305) | 3 (1.4) |

ALL LINE HOSE COMPLIES WITH CURRENT ASTM D1050 SPECIFICATIONS.



PROTECTORS & COVERS

CONVENTIONAL SYSTEM

Insulator Covers, in orange, weather resistant Type II **SALCOR**[®], are used with conventional line hose to cover pin-type insulators. All covers feature **RIB-GRIP**[®] construction to lock to the underside of the insulators. The large diameter arm overlaps the small arm of the adjoining cover on double arm constructions which provides complete insulation at the joint regardless of the varying distance between pins.

Dead End Protectors cover 4.25" and 6" bells or polymer insulators with a skirt diameter of less than 6". The protectors are made from orange Type II **SALCOR**[®] with **RIB-GRIP**[®] construction. **OR101** has outer ribs that allow it to be used with 2" and 2.5" I.D. Conventional Line Hose when using the UC2 connector. The smaller **OR114** may also be used to cover transformer bushings up to 4.75" in diameter. **OR124** can cover polymer insulators up to 4.75" in diameter and 25" overall length including hardware. Replacement Straps are available.

To work on live lines safely, conductors encased in a line hose should never be placed directly on a cross arm. **CROSS ARM COVERS** reduce electrical stresses on line hose or jumpers. Cross Arm Covers fit standard cross arm pin spacing and each unit has interior ribs to minimize shifting on the arm.

Flexible **CUTOUT COVERS** can be used for overhead cutouts as well as for underground pad-mount applications. Cutout Covers comply with the current ASTM D1049 (ASTM Specifications for Rubber Insulating Covers) specifications.



OKRG



OJRG



OFRG



OR101



OR114

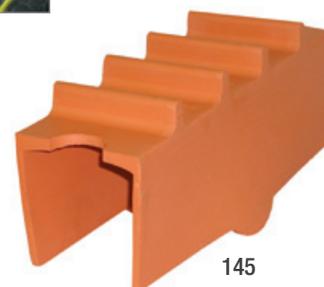
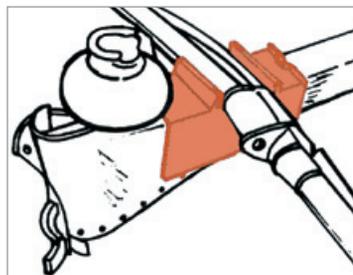


OR124



N36

N24



145



1186

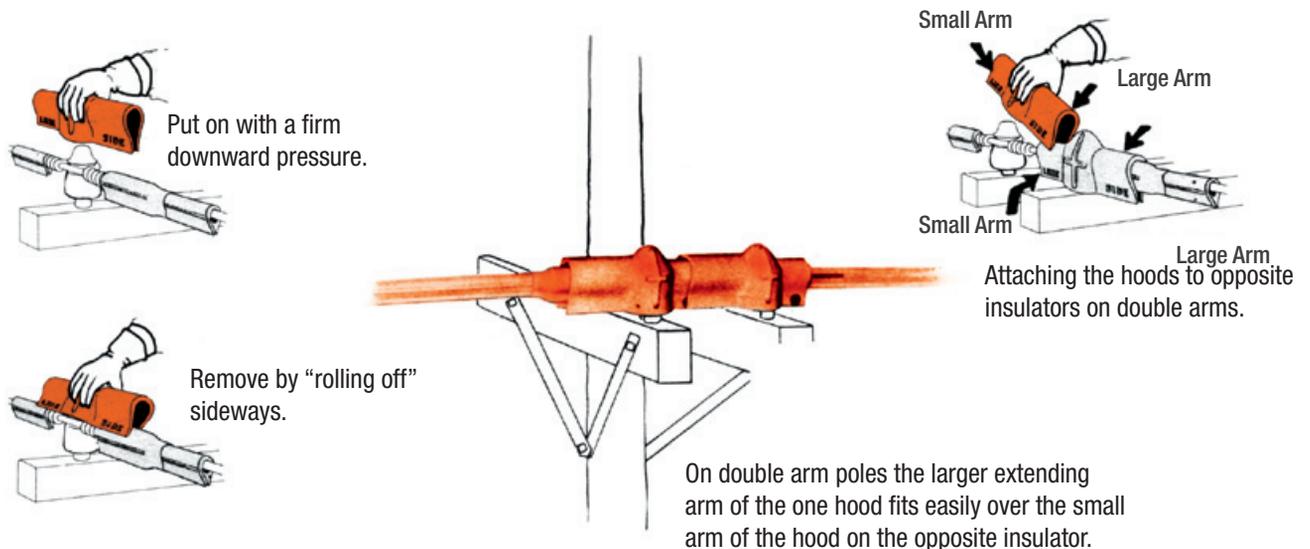


CC24



| CAT. NO. | CLASS | DESCRIPTION in (mm) | OVERALL DIMENSIONS in (mm) | WEIGHT EA. lbs. (kgs) |
|----------------------------|-------|--------------------------------|---|--------------------------|
| FOR USE WITH | | | | |
| INSULATOR COVERS | | INSULATOR CLASS | LINE HOSE SIZE | |
| OFRG | 2 | 55-1/2/3 | 1" (25.4) | 14.5" x 5" (368 x 127) |
| OJRG | 2 | 55-4 | 1" (25.4) | 16" x 6.5" (406 x 165) |
| OKRG | 3 | 55-5 | 1.25", 1.5" (32, 38) | 16" x 8" (406 x 203) |
| FOR USE WITH | | | | |
| DEAD END PROTECTORS | | BELL SIZE | LINE HOSE SIZE | |
| OR101 | 2 | 2-6"(152.4) | 1" (25.4) | 6.5" x 23" (165 x 584) |
| OR114 | 3 | 1-4.25" (108) | 1.5" (38) | 4.75" x 14" (121 x 356) |
| OR124 | 3 | 2-4.25" (108) | 1.5" (38) | 4.75" x 29" (121 x 737) |
| CROSS ARM COVERS | | USE ON CROSS ARMS UP TO | | |
| 145 | 2 | 4" x 4.5" (102 x 114) | 14.5" x 4.63" x 4.15" (368 x 117 x 105) | 3 (1.4) |
| 1186 | 4 | 5.5" x 6" (140 x 152) | 17.0" x 6.0" x 5.5" (432 x 152 x 140) | 5 (2.3) |
| CUTOUT COVERS | | | | |
| CC24 | 2 | - | 24" x 15" x 3.5" (600 x 376 x 88) | 5 (2.3) |
| CC30 | 4 | - | 30" x 20" x 7" (750 x 500 x 175) | 10 (4.5) |
| REPLACEMENT STRAPS | | | | |
| N24 | | For 114 & 124 Series | .75 x 30 (18 x 588) | 2 oz. (56.7 g) |
| N36 | | For 101 Series | .75 x 36 (18 x 882) | 2 oz. (56.7 g) |

ALL COVERS COMPLY WITH CURRENT ASTM D1049 SPECIFICATIONS.



LINE HOSE

EXTENDED LIP SU SYSTEM

The **EXTENDED LIP SU SYSTEM** is the only complete flexible cover-up available for use on voltages through 34.5 kV. Extremely versatile, it may be installed by hand, wearing rubber insulating gloves, from an insulated aerial device or platform, or with hot sticks using the SU applicators.

Manufactured from superior **SALCOR®** Type II elastomer, it is resistant to the effects of ozone and ultraviolet deterioration. It remains flexible even at sub-zero temperatures.

Salisbury's **RIB-GRIP®** construction securely interlocks with its corresponding covers and connectors. Tapered lips facilitate easy starting on the conductors. The contour cut ends accommodate the skirts of pin type insulators and permit the hose to cover the line snug to a saddle or clamp.

Available as **STRAIGHT LINE HOSE** or with a Connector End for easier connection of line hose and covers. A lifting eye is molded on the connector end for removal with hot sticks. Line hose is also available with the #2323 Shot Gun Eye Assembly. Just add a suffix of "E" to the catalog number to order the #2323 Shot Gun Assembly installed on the hose or order the #2323 separately.

NEW SU 150 SERIES MOLDED DESIGN the new molded design makes for a consistent overall profile, offers greater electrical insulation between the connector and line hose and since the serrations are also molded an improved locking system.

SU SYSTEM CONNECTORS are made from orange SALCOR® Type II. RIB-GRIP construction is used to ensure a strong lock to the straight lengths of SU System Line Hose and covers. The **UC2** is used to connect Extended Lip Hose to PTHL and LRG Insulator Covers, OR134 Dead End Protectors, and 2" (51 mm) and 2.5" (64 mm) SU System and Conventional Line Hose.

| CAT. NO. | DIMENSIONS I.D. | FT. (MM) Length | WEIGHT EA. lbs. (kgs) |
|--|-----------------|-----------------|------------------------|
| STRAIGHT LINE HOSE CLASS 4, TYPE II | | | |
| *SU150-3 | 1.5" (38) | 3' (915) | 6 (2.7) |
| *SU150-45 | 1.5" (38) | 4.5' (1372) | 8.5 (3.8) |
| *SU150-6 | 1.5" (38) | 6' (1829) | 12 (5.4) |
| SU200-3 | 2" (51) | 3' (915) | 6 (2.7) |
| SU200-45 | 2" (51) | 4.5' (1372) | 10 (4.5) |
| SU200-6 | 2" (51) | 6' (1829) | 14 (6.4) |
| SU250-3 | 2.5" (63.5) | 3' (915) | 7 (3.2) |
| SU250-45 | 2.5" (63.5) | 4.5' (1372) | 11 (5.0) |
| SU250-6 | 2.5" (63.5) | 6' (1829) | 15 (6.8) |

| | | | |
|---|-----------|-------------|----------|
| CONNECTOR END LINE HOSE CLASS 4, TYPE II | | | |
| *SU150-3C | 1.5" (38) | 3' (915) | 7 (3.2) |
| *SU150-45C | 1.5" (38) | 4.5' (1372) | 9 (4.1) |
| *SU150-6C | 1.5" (38) | 6' (1829) | 12 (5.4) |

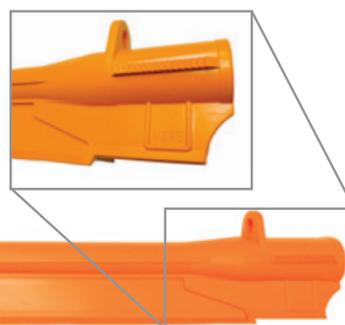
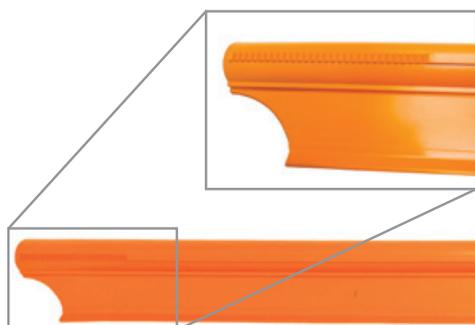
| | | | |
|---|---------------------------|-----------------------|---------|
| SU SYSTEM CONNECTORS CLASS 4, TYPE II ASTM D1049 | | | |
| | Length x Height | Use w/ Line Hose I.D. | |
| UC | 10.5" x 6" (263 x 150) | 1.5" (40) | 2 (.9) |
| UC2 | 10.5" x 7.75" (263 x 194) | 2" & 2.5" (51 & 64) | 3 (1.4) |

Add Suffix "E" to Catalog Number to order with #2323 Shot Gun Eye Assembly (see page B-12).

Example: SU200-45E is a 2" ID x 4.5' Line Hose with a shot gun assembly attached

* **MOLDED ONCE PIECE DESIGN**

COMPLIES WITH CURRENT ASTM D1050 SPECIFICATIONS.



DEAD END PROTECTORS

EXTENDED LIP SU SYSTEM

DEAD END PROTECTORS quickly cover dead end bells or polymer insulators providing complete electrical protection for Class 3 and Class 4 applications.

Easily installed and removed from an insulated platform or aerial device with rubber gloves or SU System Applicators.

All styles have RIB-GRIP® construction to interlock with 1.5" (38 mm) I.D. line hose. The Class 3 U106 and U110 must be used with Connector End style line hose or separate Line Hose Connectors. OR134, Class 4, accepts Straight Line Hose. The outer ribs interlock with 2" and 2.5" I.D. line hose when the UC2 SU System Connector is used.



OR134



RIB-GRIP® Construction



U110



| CAT. NO. | ASTM Class / Type | FITS BELL SIZE in. (mm) | DIMENSIONS I.D. Body | IN. (MM) Overall Length | COLOR | WEIGHT EA. lbs. (kgs) |
|----------------------------|-------------------|-------------------------|----------------------|-------------------------|--------|-----------------------|
| DEAD END PROTECTORS | | | | | | |
| OR134 | 4 / II | 3-4.25 (108) | 4.76 (121) | 37 (940) | Orange | 13 (6) |
| U106 | 3 / II | 2-6 (152) | 7 (178) | 28.5 (724) | Black | 9 (4.1) |
| U110 | 3 / II | 2-10 (254) | 10.5 (267) | 28.5 (724) | Black | 10 (4.5) |

Add Suffix "E" to Catalog Number to order with #2323 Shot Gun Eye Assembly (see page B-12).

Add Suffix "E" to Catalog Number to order with #2340 Shot Gun Eye Assembly (see page B-12).

ALL PROTECTORS COMPLY WITH CURRENT ASTM D1049 SPECIFICATIONS.

INSULATOR COVERS

EXTENDED LIP SU SYSTEM

The **UH PIN-TYPE COVER** covers insulators up to ANSI standard C29.5 Class 5. The sides are cut to be used on small insulators without resting on the crossarm. When covering a 7" diameter insulator on a double arm construction, the ends of the cover will meet flush on 10.5" pin centers.

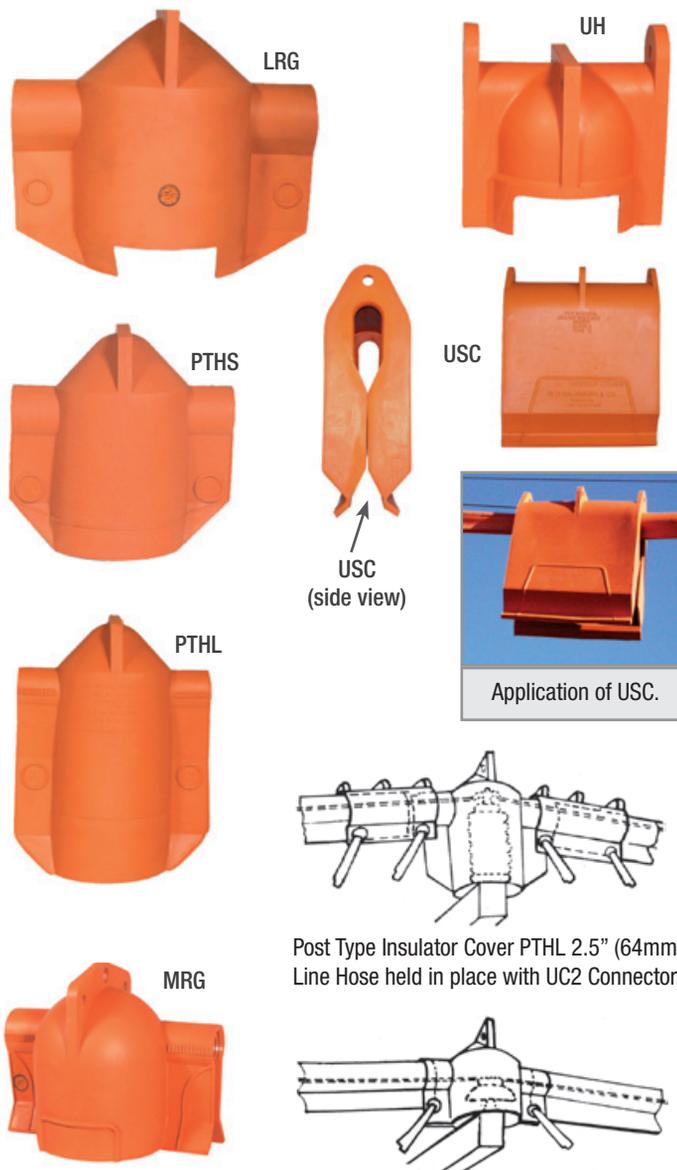
The **LRG SU SYSTEM PIN-TYPE COVER** fits insulators 10.5" (267 mm) in diameter and is used with 2.5" (64 mm) Class 4 Extended Lip SU System Line Hose. Always use clamp pins to secure the device into position. Pinning rings have been placed on the cover's arms to prevent separation.

POST-TYPE INSULATOR COVERS interlock with 1.5" (38 mm) Class 4 Extended Lip SU System or Conventional Line Hose. The **PTHS** for insulators up to 12" (305 mm) and the **PTHL** for insulators up to 16" (406 mm) in height. The **PTHL** cover also has external ribs on the ears which secures 2.5" (64 mm) I.D. line hose. Always use clamp pins to secure the device into position.

The Class 4 **MRG UNIVERSAL COVER** covers pin-type insulators through 8.5" (216 mm) diameter and 13.8 kV post-type insulators. A trim bead permits use on both 35 kV and 15 kV crossarm construction.

The **USC STIRRUP COVER** is a lightweight cover that can be installed using rubber gloves or a hot stick. The USC also feature RIB-GRIP® construction and is meant to be used with Extended Lip SU Systems or Conventional Line Hose.

All covers are made from orange SALCOR® and feature RIB-GRIP® Construction. They can be installed with a hot stick or rubber gloves. All covers comply with ASTM D1049 specifications.



Post Type Insulator Cover PTHL 2.5" (64mm) Line Hose held in place with UC2 Connector.

Pin Type Insulator Cover - LRG or MRG Line Hose is inserted in the ears of the cover.

| CAT. NO. | ASTM Class / Type | FITS LINE HOSE in (mm) | FITS INSUL. Max Dia in. (mm) | FOR USE W/ INSUL. CLASS | OVERALL DIMENSIONS (mm) | | WEIGHT EA. lbs. (kgs) |
|--|-------------------|------------------------|------------------------------|---|-------------------------|-------------|-----------------------|
| | | | | | I.D. body | Height -in. | |
| PIN TYPE INSULATOR COVERS | | | | | | | |
| LRG | 4 / II | 2.5 (63) | 10.5 (263) | 55-6 | 12 (305) | 16 (400) | 8 (3.6) |
| MRG | 4 / II | 1.5-2.5 (40-63) | 8.5 (213) | Pin Type 55-5 Post Type 13.2 kV F Neck Post Type 13.2 kV C Neck | 9 (221) | 12.25 (306) | 7 (3.2) |
| Add Suffix "E" to Catalog Number to order with #2359 Shot Gun Eye Assembly (see page A-13). | | | | | | | |
| UH | 3 / II | 1.5 (40) | 7 (175) | 55-1, 2, 3, 4, 5 | 7.5 (184) | 12 (300) | 6 (4.4) |
| POST TYPE INSULATOR COVERS | | | | | | | |
| PTHL | 4 / II | 1.5-2.5 (40-63) | 6.5 (163) | 57-2 | 7 (172) | 16 (400) | 8 (3.6) |
| PTHS | 4 / II | 1.5 (40) | 7 (175) | 57-2 | 7.5 (184) | 12 (300) | 4 (1.8) |
| STIRRUP COVER | | | | | | | |
| USC | 4 / II | 1.5 (40) | - | - | 14 (263) | 15.5 (388) | 5 (2.3) |

ALL COVERS COMPLY WITH CURRENT ASTM D1049 SPECIFICATIONS.

CABLE END CAPS & ARRESTER COVERS



29003

173

117

178



536A



14200011



636A



14200034P



14200036P

Cable End Caps are applied with rubber gloves. They are used on high voltage distribution cable ends found in vaults, cubicles and substations when cable remains energized during work. Cable End Caps are made from Type II orange SALCOR®.

NEW LOOPED CABLE END CAP The Looped Cable End Cap is an improved version of our Self-Securing Cable End Cap in that it allows for versatile applications. The product can be applied with appropriate Rubber Insulating Gloves as with our standard cable end caps, but the looped end feature also enables the product to be applied using a hotstick.

SELF-SECURING CABLE END CAPS for Underground Distribution are rated at 20 kV, and have a minimum wall thickness of .25". They keep moisture and contamination off trimmed cable ends. The self-securing slot keeps the cable locked safely inside the end cap. These Cable End Caps are applied with rubber gloves.

LIGHTNING ARRESTER COVERS are made from Type II orange SALCOR®. The slot allows the cap to fit directly over the energized lightning arrester and the line connection. Lightning Arrester Covers can be applied with rubber gloves or a hotstick.

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. | ASTM Class | TYPE | DIMENSIONS in. (mm) I.D. x Length | FOR USE W/ CABLE SIZE | WEIGHT EA. lbs. (kgs) |
|-------------------------------------|------------|------|--------------------------------------|-----------------------|--------------------------|
| SELF-SECURING CABLE END CAPS | | | | | |
| 29003 | 2 | II | 3.19 (81) X 9.13 (486) | - | 2.27 (1.0) |
| 117 | 2 | II | 1.38" x 10" (35 x 254) | #4/0 to 500 MCM | .50 (.23) |
| 173 | 2 | II | .81" x 6" (21 x 152) | #4 to #4/0 AWG | .25 (.1) |
| 177 | 2 | II | 2.25" x 12" (57 x 305) | 350 to 750 MCM | .75 (.35) |
| 178 | 2 | II | 3.19" x 16" (81 x 406) | 800 to 1000 MCM | 1.5 (.7) |
| LIGHTNING ARRESTER COVERS | | | | | |
| 536A | 4 | II | 4.5 x 15 (113 x 375) | - | 3 (1.4) |
| 636A | 4 | II | 5.5 x 22 (138 x 550) | - | 5 (2.3) |

THESE COVERS COMPLY WITH CURRENT ASTM D1049 SPECIFICATIONS.

| 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) |
| CLEAR PVC STRESS CONE COVER | | | | |
| 14200011 | - | 2 / 14.6 | 13 / 3 / 3.5 | 3 (1.36) |

SU SYSTEM APPLICATORS

THE EXTENDED LIP SU SYSTEM may be installed by using rubber gloves or hot sticks on distribution voltages up to 34.5kV.

The Shot Gun Eye Assembly for the SU System equipment may be purchased separately for installation on the appropriate cover-up device.

The addition of these eye assemblies enable all SU System equipment to be easily handled with a standard shotgun stick.



2359



2323

Shotgun Assembly attaches easily to SU Systems

| CAT. NO. | DESCRIPTION | FOR USE W/ HOT STICK STYLE | WEIGHT EA. lbs. (kgs) |
|----------|---|-------------------------------|--------------------------|
| 2323 | Shot Gun Eye Assembly for SU Hose / OR134 | Shot Gun | 1 (.4) |
| 2359 | Eye Assembly for SU System Insulator Covers | Shot Gun | .5 (.2) |



2323 Shot Gun Assembly
FOR LINE HOSE ON PAGE B-8



2323

Shotgun Assembly allows easy installation

SPECIAL EQUIPMENT

THE TD TAGGING DEVICE, made from molded orange SALCOR®, is used to tag opened disconnect switches. It allows “Hold” cards to be placed on the circuit and fits over the heads of 1-1/4” (32 mm) and 1-1/2” (38 mm) switch sticks.

THE TH111 METER TERMINAL COVER is used to avoid accidental contact with energized parts on 100 and 200 Amp single phase meter sockets. Made of orange SALCOR®.

SPADE COVERS are easily installed to provide temporary insulation when working in padmount transformers and other electrical apparatus. If spade covers are securely held in place, they may be left on spades or connectors indefinitely for front end protection. The larger SC5, SC6, or SC6G are also used to cover primary elbows as well as the larger and longer multiple lead primary and secondary fittings and lugs used in underground enclosures and vaults. Molded from flexible SALCOR®, they have excellent aging and weathering characteristics. The opening at the top end of the slot holds the cover onto the terminal. Wide lips extending along the slot provide additional protection over the connection.



TD

Tagging Device fits over the head of switch sticks for application.



TH111

SC5

SC6G

| CAT. NO. | DESCRIPTION Dimensions in. (mm) | WEIGHT EA. lbs. (kg) |
|-----------------------|--|-------------------------|
| TAGGING DEVICE | | |
| TD | 7.25 (184) long slot: 2.13 x .63 (5 4 x 16) cup: 2.5 x 1.75 (64 x 44) | .25 (.1) |

| CAT. NO. | DESCRIPTION Dimensions in. (mm) | WEIGHT EA. lbs. (kg) |
|-----------------------------|------------------------------------|-------------------------|
| METER TERMINAL COVER | | |
| TH111 | 3 x 3.5 x 1.5 (76 x 89 x 38) | 1.6 oz. (.05) |

| CAT. NO. | DESCRIPTION Dimensions in. (mm) | WEIGHT EA. lbs. (kg) |
|---|---|-------------------------|
| SPADE COVER - CLASS 2, TYPE II, ASTM D1049 | | |
| SC4 | 2.75 x 4.4 x 10.75 (70 x 112 x 273), 1 (25.4) Lip Extension | 1.4 (.5) |
| SC5 | 3 x 6 x 10 (76 x 152 x 254), 2 (51) Lip Extension | 2 (.9) |
| SC6 | 3 x 6 x 10 (76 x 152 x 254), 1.25 (32) Lip Extension | 1.4 (.5) |
| SC6G | 3 x 6 x 10 (76 x 152 x 254), 1.25 (32) Lip Extension | 1.4 (.5) |

BLANKETS



BLANKETS

FAQ

Q: How often do I need to test blankets?

A: Blankets issued for service need to be tested once a year. See ASTM D479 8.1 for testing requirements.

SALISBURY EXCLUSIVE

Only Salisbury formulates compounds, mixes, molds and tests blankets in our own ISO 9000:2008 registered facilities.

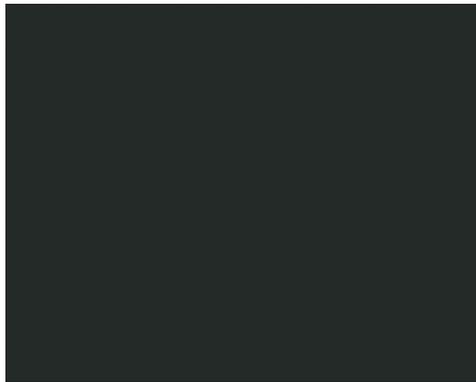
NOTE

General Care & Inspection of Salisbury Rubber Goods

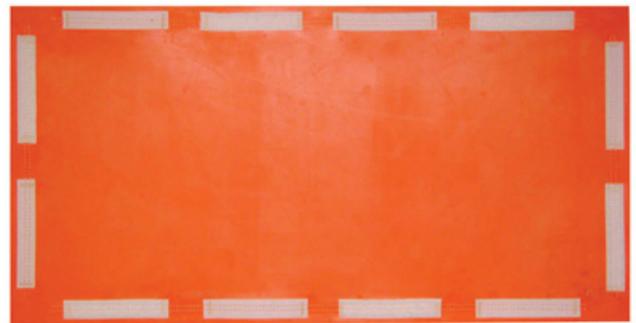
Type I natural (non-ozone resistant) and **Type II SALCOR®** synthetic rubber (resistant to ozone) both provide electrical workers with the highest level of electrical insulating protection. However, in order to maintain this level of protection and ensure long life, it is essential that rubber goods are properly cared for. Before each use, rubber goods should be visually inspected for holes, embedded wires, rips or tears, ozone cutting, UV checking and signs of chemical deterioration. For additional information, refer to ASTM F1236, standard guide for visual inspection of electrical protective rubber products.



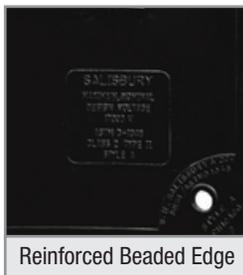
900E (36 x 36)



400E (27 x 36)



1830S



Reinforced Beaded Edge

HIGH QUALITY Salisbury's Type II SALCOR® blankets are of the highest quality available today. They will hold their color and flexibility, and will maintain physical properties and dielectric strength, required by ASTM standard, in the field longer than any other blanket on the market.

OZONE RESISTANT The Orange SALCOR® is manufactured from a well researched blend of prime EPDM, which is naturally resistant to ozone. This blend of Prime EPDM offers superb flexibility; similar to that of a Type I natural rubber blanket. This ensures the Salisbury Type II SALCOR® blanket will pass the ASTM D 1048 Ozone Tests.

EYELET STYLE INSULATING BLANKETS were designed to be easily secured in place by using Blanket Pins, Snap Buttons or Ty-Straps (available on page C-9). Eyelet blankets are flexible and feature a reinforced beaded edge and eyelets for added strength and tear-resistance.

Our **ZIP-ON STYLE (ZIP)** features one-inch wide strips of hook and pile that are double stitched to the blanket with nylon thread, so installation and removal is safe and fast.

| CAT. NO. | EYELETS/ Style | ASTM CLASS | TYPE | SIZE in. (mm) | COLOR | WEIGHT EA. lbs. (kgs) |
|----------|-------------------|---------------|------|---------------------|--------|--------------------------|
| 12 | 28 | 2 | II | 22 x 22 (559 x 559) | Black | 3 (1.4) |
| 13 | 28 | 4 | II | 22 x 22 (559 x 559) | Orange | 3 (1.4) |
| 13-10 | 10 | 4 | II | 22 x 22 (559 x 559) | Orange | 3 (1.4) |
| 400E | 6 | 2 | II | 27 x 36 (686 x 914) | Black | 6 (2.3) |
| 1000E | 6 | 4 | II | 27 x 36 (686 x 914) | Orange | 6 (2.3) |
| 1001E | 6 | 4 | II | 27 x 36 (686 x 914) | Black | 6 (2.3) |
| 300E* | 6 | 2 | I | 36 x 36 (914 x 914) | Black | 8 (3.6) |
| 900E | 6 | 4 | II | 36 x 36 (914 x 914) | Orange | 8 (3.6) |
| 901E | 6 | 4 | II | 36 x 36 (914 x 914) | Black | 8 (3.6) |
| 1500 | 28 | 2 | II | 36 x 36 (914 x 914) | Black | 8 (3.6) |
| 1700 | 28 | 4 | II | 36 x 36 (914 x 914) | Orange | 8 (3.6) |

ZIP-ON STYLE

| | | | | | | |
|--------|-----|---|----|---------------------|--------|-----------|
| 1830S | Zip | 4 | II | 18 x 36 (457 x 914) | Orange | 3.5 (1.6) |
| 900EV | Zip | 4 | II | 36 x 36 (914 x 914) | Orange | 8.5 (3.9) |
| 1000EV | Zip | 4 | II | 27 x 36 (686 x 914) | Orange | 8.1 (3.7) |

ALL BLANKETS COMPLY WITH CURRENT ASTM D1048 SPECIFICATIONS.

* TYPE I IEC COMPLIANT BLANKETS

INSULATING BLANKETS

SLOTTED STYLE & WITHOUT EYELETS

SLOTTED STYLE INSULATING BLANKETS are made of Type II SALCOR® rubber and designed for increased versatility and flexibility in special cover-up situations. Use for covering ridge pins and cross arms with insulators or any place a wire, pin or projection interferes with proper placement of other cover-up devices.

Three sizes are available with reinforced beaded edges and reinforced eyelets which can be secured with Blanket Pins, Snap Buttons or Ty-Straps (available on Page C-9). Our 36" (914 mm) slotted blanket is also available with 2" (51 mm) or 4.5" (114 mm) center holes and with hook and pile (Zip Style).

Our **ZIP-ON STYLE (ZIP)** features one-inch wide strips of hook and pile that are double stitched to the blanket with nylon thread, so installation and removal is safe and fast.

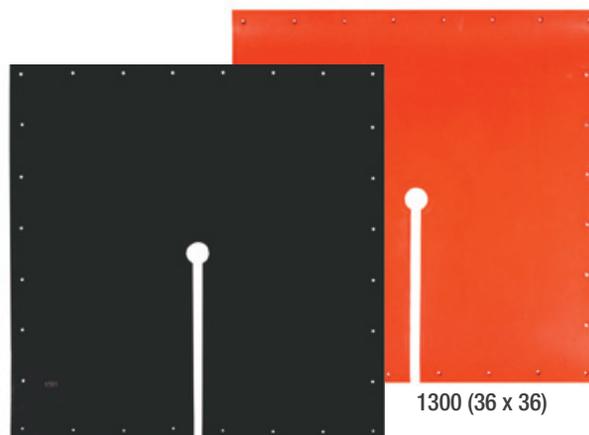
SALISBURY INSULATING BLANKETS WITHOUT EYELETS are available in Class 2 and Class 4 in two types of material: Type I natural rubber, and Type II SALCOR®, which is a highly flexible, corona-resistant polymer with excellent aging and weathering qualities.

Salisbury insulating blankets feature a reinforced beaded edge for added strength and tear-resistance.

THE SALISBURY ADVANTAGE

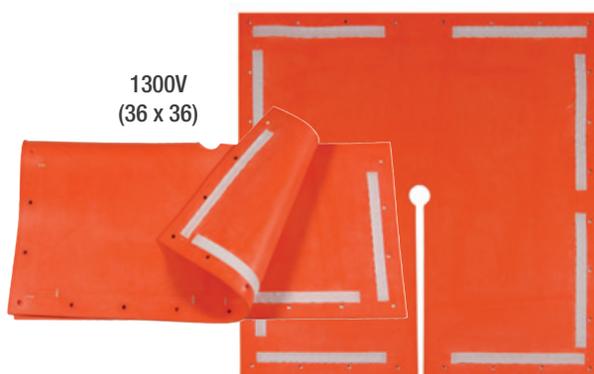
The Salisbury blanket is manufactured from materials that are precisely measured in an automated weighing system to ensure batch-to-batch consistency.

VALUE SALCOR® blankets will last longer and provide maximum value and protection. Not all rubber blankets are manufactured equally.

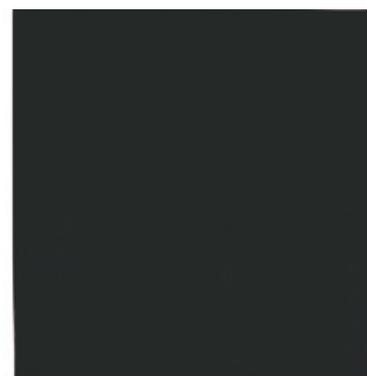


1301 (36 x 36)

1300 (36 x 36)



1300V
(36 x 36)



300
(36 x 36)



186
(18 x 36)

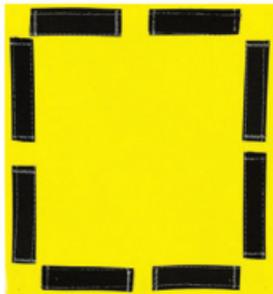
| CAT. NO. | EYELETS | ASTM CLASS | TYPE | SIZE in. (mm) | COLOR | WEIGHT EA. lbs. (kgs) |
|--------------------------------------|-----------|------------|------|---------------------|--------|-----------------------|
| SLOTTED STYLE BLANKETS | | | | | | |
| 14 | 28 | 2 | II | 22 x 22 (559 x 559) | Black | 2.5 (1.1) |
| 15 | 28 | 4 | II | 22 x 22 (559 x 559) | Orange | 2.5 (1.1) |
| 15-1 | 28 | 4 | II | 22 x 22 (559 x 559) | Black | 2.5 (1.1) |
| 1100 | 28 | 2 | II | 36 x 36 (914 x 914) | Black | 7 (3.2) |
| 1300 | 28 | 4 | II | 36 x 36 (914 x 914) | Orange | 7 (3.2) |
| 1301 | 28 | 4 | II | 36 x 36 (914 x 914) | Black | 7 (3.2) |
| 1302 | 2" hole | 4 | II | 36 x 36 (914 x 914) | Orange | 7 (3.2) |
| 1304 | 4.5" hole | 4 | II | 36 x 36 (914 x 914) | Orange | 7 (3.2) |
| SLOTTED ZIP-ON STYLE BLANKETS | | | | | | |
| 1300V | Zip | 4 | II | 36x36 (914x914) | Orange | 7 (3.2) |
| BLANKETS WITHOUT EYELETS | | | | | | |
| 186 | - | 4 | II | 18 x 36 (457 x 914) | Orange | 3.5 (7.7) |
| 300* | - | 2 | I | 36 x 36 (914 x 914) | Black | 8 (3.6) |

ALL BLANKETS COMPLY WITH CURRENT ASTM D1048 SPECIFICATIONS.

* TYPE I IEC COMPLIANT BLANKETS

LOW VOLTAGE BLANKETS & SWITCHBOARD MATTING

WITH & WITHOUT HOOK AND PILE



1212YLV



1212YLVNV



1212YLV Back side



Installing a Zip-On Blanket

LOW VOLTAGE INSULATING BLANKETS are made of Type II SALCOR® rubber. Insulating blankets are available with or without hook and pile (Zip or Plain style), as noted in the chart below.

Covering energized equipment is easier than ever using Salisbury's Zip-On blankets. Our **ZIP-ON STYLE (ZIP)** features one-inch wide strips of hook and pile that are double stitched to the blanket with nylon thread, so installation and removal is safe and fast. Zip-On blankets can be manufactured to fit special requirements.

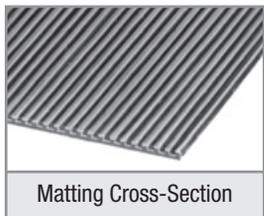
SWITCHBOARD MATTING is permanently placed in front of switchgear, motor control centers and other high voltage apparatus to provide personal protection for workers. It is also used when tending take-up and pay out reels and when adding or replacing conductors. Made from high quality Type II material, Class 2 matting is 1/4" (6.4 mm) thick and is tested to 20 kV, and Class 4 matting is 1/2" thick and tested to 40 kV. Matting comply with ASTM D178, Class 2 and Class 4 specifications. The corrugated surface acts as a safety tread while reducing the possibility of metal particles becoming embedded. Class 2 Switchboard Matting is available in 25 yard rolls or custom cut to specified lengths, while Class 4 matting is sold in 20 yard rolls only.

ALL BLANKETS COMPLY WITH CURRENT ASTM D1048 SPECIFICATIONS.

The **R96** vinyl/roll-up carrier is recommended as a ground barrier to protect blankets during visual inspection.



M24-2



Matting Cross-Section

| CAT. NO. | STYLE | ASTM CLASS | TYPE | SIZE in. (mm) | COLOR | WEIGHT EA. lbs. (kgs) |
|-----------|-------|------------|------|---------------------|--------|-----------------------|
| 1212YLV | Zip | 0 | II | 12 x 12 (305 x 305) | Yellow | 1 (.45) |
| 1212YLVNV | Plain | 0 | II | 12 x 12 (305 x 305) | Yellow | 1 (.45) |
| 1236YLV | Zip | 0 | II | 12 x 36 (305 x 914) | Yellow | 1.5 (.68) |
| 1236YLVNV | Plain | 0 | II | 12 x 36 (305 x 914) | Yellow | 1.5 (.68) |
| 1818YLV | Zip | 0 | II | 18 x 18 (457 x 457) | Yellow | 1.1 (.48) |
| 1818YLVNV | Plain | 0 | II | 18 x 18 (457 x 457) | Yellow | 1.1 (.48) |
| 1836YLV | Zip | 0 | II | 18 x 36 (457 x 914) | Yellow | 1.5 (.68) |
| 1836YLVNV | Plain | 0 | II | 18 x 36 (457 x 914) | Yellow | 1.5 (.68) |
| 3636YLV | Zip | 0 | II | 36 x 36 (914 x 914) | Yellow | 2.2 (1.0) |
| 3636YLVNV | Plain | 0 | II | 36 x 36 (914 x 914) | Yellow | 2.2 (1.0) |

SWITCHBOARD MATTING

| CAT. NO. | DIMENSIONS in. (mm) | WEIGHT lbs. (kgs) |
|----------|--|-------------------|
| M24-2 | 1/4 x 24" (6 x 610) | 9 (4.1) |
| M30-2 | 1/4 x 30" (6 x 762) | 12 (5.4) |
| M36-2 | 1/4 x 36" (6 x 914) | 15 (6.8) |
| M48-2 | 1/4 x 48" (6 x 1219) | 18 (8.2) |
| M36-4* | 1/2 x 36" x 60 feet long (12 x 914 mm x 18.3 m long) | 684 (307.8) |

All switchboard matting complies with current ASTM D178 standards

*Sold in full rolls only.

GROUND BARRIER

| | | |
|-----|--|-----------|
| R96 | Carrier Vinyl Roll-Up / Ground Barrier | 3.5 (1.6) |
|-----|--|-----------|



R96

ROLL BLANKETS & INSULATING APRONS

Salisbury has gone to great lengths to protect workers from low voltage electrical hazards, and now offers insulating roll blankets and insulating aprons. Salisbury's insulating **ROLL BLANKETS** and **INSULATING APRONS** are made from a high strength fabric reinforced Type II rubber in unique colors; making it easy to identify and highly visible in the work area. Salisbury's insulating Type II rubber Roll Blankets and Insulating Aprons, meet ASTM F2320 standards.

SALISBURY'S ROLL BLANKET line includes a Class 1 (7,500 v) **CLEAR PVC** material that permits complete visibility, yet provides the necessary insulating properties meeting ASTM F1742 standards.

The **ROLL BLANKETS** can be easily custom-cut to fit each application at the job site. This minimizes the number of different low voltage blankets sizes and shapes that would otherwise need to be carried from job to job. Each blanket comes in a convenient 36" wide roll, 30 feet in length.

All classes of Roll Blankets are easy to cut, and flexible to -40° F/C. Highly puncture and tear resistant, each class of blanket is also flame (self-extinguishing), oil and ozone resistant.

THE INSULATING APRON includes two Nomex® webbed bib straps and two Nomex® waist straps with nonmetallic buckles. All the straps are attached with reinforced stitching and Nomex® thread. The insulating apron has straps that can be buckled around the back and around the neck which gives wearers a comfortable and supportive fit. The straps are adjustable so that one size will fit most wearers. The apron measures 42" from the top of the bib and has a full width of 30" to wrap around the front of most workers. Use these aprons where there is a possibility of accidental contact with energized equipment or lines. These products are not intended for purposeful contact with energized equipment.



RLB1



RLBPVC1



APR00

| CAT. NO. | ASTM CLASS | TYPE | SIZE feet (m) | COLOR | WEIGHT EA. lbs. (kgs) |
|----------------------|------------|------|------------------------|-----------------|-----------------------|
| ROLL BLANKETS | | | | | |
| RLB00 | 00 | II | 3' x 30' (.9 x 9) | Brown | 20 (9) |
| RLB0 | 0 | II | 3' x 30' (.9 x 9) | Yellow | 26 (11.8) |
| RLB1 | 1 | II | 3' x 30' (.9 x 9) | Yellow / Orange | 36 (16.4) |
| RLBPVC1 | 1 | - | 3' x 30' (.9 x 9) | Clear | 48 (21.7) |
| RLBPVC1-48 | 1 | - | 4' x 50' (1.2 x 15.24) | Clear | 60 (27.3) |

INSULATING APRONS

| | | | | | |
|-------|----|----|--------------------|-----------------|-------------|
| APR00 | 00 | II | One Size Fits Most | Brown | 1.95 (.88) |
| APR0 | 0 | II | One Size Fits Most | Yellow | 2.53 (1.15) |
| APR1 | 1 | II | One Size Fits Most | Yellow / Orange | 3.5 (1.59) |

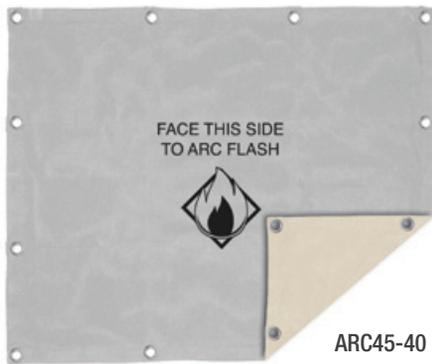
Roll Blankets are available in full rolls plus or minus 5%.



Roll Blankets can be easily cut to size and fit for customized applications to each job.



ARC45-15



ARC45-40

SALISBURY BY HONEYWELL ARC PROTECTION BLANKETS

are available in 4' x 5' and 4' x 8' sizes. Each size is available in 15 kA or 40 kA ratings. The 15 kA blankets include convenient loops and the 40 kA blankets include grommets to easily keep the blanket in place. These new blankets are sold individually or with a storage bag or storage bag and tie-strap kit.

The Arc Suppression Blanket is used as a barrier for protection from the explosive and incendiary effects of electrical arcs and flashes. These hazardous electrical discharges can be caused by faults in cables, in cable splices and joints, and at transformer terminals, or they may be generated by the operation of switch gear, circuit breakers and lightning arrestors. The blanket can be used for worker protection in underground vaults, switchyards and other locations where electrical equipment poses a risk of exposure to explosive electrical discharges.

NOTE: These products do not eliminate or reduce requirements for proper PPE for arc flash protection

WARNING: Because of the un-predictability of electrical arcs, the Arc Protective Blanket (APB) may not totally contain the arc and flashes, but only reduce or limit explosive and incendiary effects. Properly installed APB's can reduce the risk of injury from the blast and heat. They do not provide any personal protection for hearing, eyes, smoke inhalation, hazardous gas inhalation or burns.

WARNING: Arc Protective Blankets are not designed for electrical insulating protection. Using the Arc Protective Blanket for electrical insulating protection can result in serious injury or death.

MEETS ASTM F2676 STANDARD *ASTM Standard for Testing of Arc Blankets*

Arc protective blankets are used in many electrical applications to protect workers who are stationed near energized electrical parts. While these blankets have been used for years, there have been no testing criteria for their evaluation. A ASTM International standard used to determine the effectiveness of arc protective blankets in suppressing the combined effect of an arc flash and an arc blast. This standard gives companies the ability to evaluate blankets with a repeatable standard that can be done at many test labs using an electric arc and a high speed camera.

| CAT. NO. | DIMENSIONS in. (mm) | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|---|------------------------|---|--------------------------|
| ARC45-15 | 48 x 60 (1219 x 1524) | 15 kA rating - navy blue | 10 (4.5) |
| ARC45-40 | 48 x 60 (1219 x 1524) | 40 kA rating - gray/khaki | 10 (4.5) |
| ARC48-15 | 48 x 96 (1219 x 2438) | 15 kA rating - navy blue | 15 (6.8) |
| ARC48-40 | 48 x 96 (1219 x 2438) | 40 kA rating - gray/khaki | 15 (6.8) |
| -Add suffix "P" to include storage bag. | | -Add suffix "PS" to include storage bag and tie-straps. | |
| -Add suffix "C" to include P4 canister. | | -Add suffix "CS" to include P4 canister and tie-straps. | |
| ARC142 | 1 x 42 (25.4 x 1067) | Single Kevlar Strap w/ Buckle | |
| ARC142-K16 | - | ARC48 Strap Kit With 16 Buckles | 4 (1.8) |
| ARC142-K12 | - | ARC45 Strap Kit With 12 Buckles | 3 (1.4) |
| P4 | 7 x 37 (178 x 940) | Canister holds 1-4 blankets w/ max. size 36" (914 mm) | 3.5 (1.6) |

BLANKET ACCESSORIES

CLAMP PINS

In addition to other uses in the utility industry, **BLANKET CLAMP PINS** can be effectively used to hold insulating blankets and rubber cover-up in place. Springs are used for tension while extra holes in the body of the pin are used to grip conductors and prevent line hose from sliding.

The Salisbury **21 BLANKET PIN** has been improved to make it the most versatile pin on the market. Although the 21 pin always opened to accommodate just about any width needed, it has been redesigned to open to a full 5 1/2 inches. That's the widest of any standard plastic pin in the industry. To accommodate application using a hot stick, the ends of the pin have been tapered to fit into the end of any brand clampstick. This allows the same 21 pin to be installed in line with the stick. For applications where a 90 degree angle of application and removal is necessary, the time proven HS21 pin fills the bill. Look for the new 21 pin to be supplied with your next pin order.

Blanket pins are made of fiberglass reinforced nylon or sliver-free hardwoods. Most pins have molded rubber tips to increase slip resistance.

| CAT. NO. | DESCRIPTION | LENGTH in. (mm) | JAW OPENING in. (mm) | WEIGHT EA. lbs. (kgs) |
|--------------------|--------------------|--------------------|-------------------------|--------------------------|
| WOOD CLAMPS | | | | |
| 20 | Wood w/ pin boots | 8.5 (216) | 4.75 (121) | .33 (.15) |
| 25 | Wood w/o pin boots | 7 (178) | 1.6 (41) | .25 (.11) |
| 26 | Wood w/ pin boots | 10 (254) | 7 (178) | .5 (.23) |
| YN20 | Wood w/ Sure grip | 8.5 (216) | 4.75 (121) | .33 (.15) |

| NYLON CLAMPS | | | | |
|---------------------|--------------------|-----------|---------|-----------|
| HS21 | Nylon w/ pin boots | 9.5 (241) | 5 (127) | .37 (.17) |
| 21 | Nylon w/ pin boots | 9.5 (241) | 5 (127) | .37 (.17) |

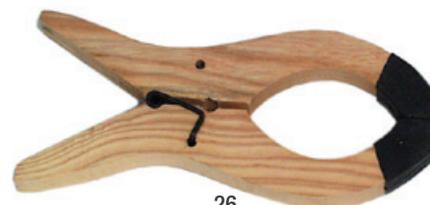
Optionally applied with Shotgun Stick



20



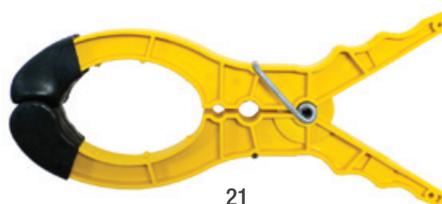
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26



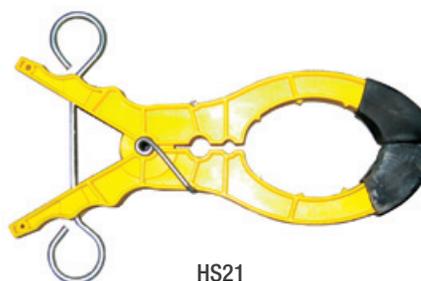
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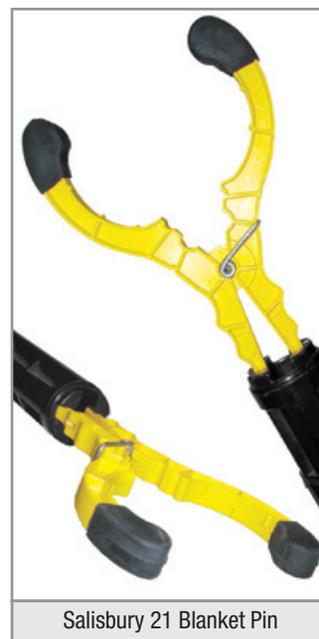
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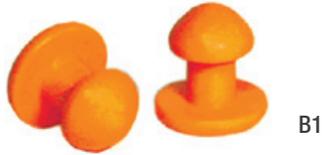
Clamp Pins help line hose from slipping



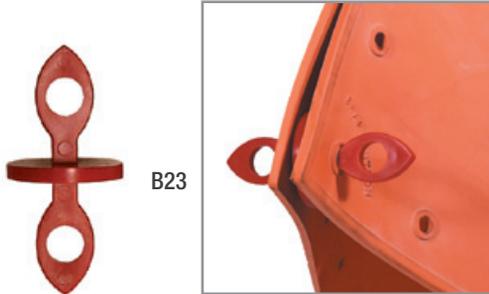
HS21



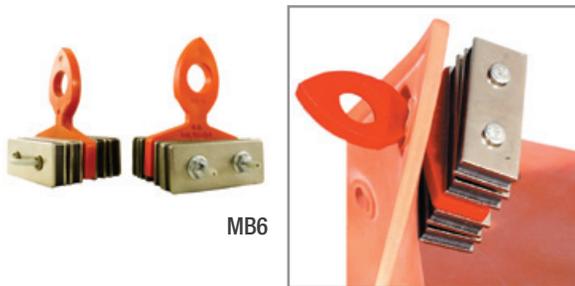
Salisbury 21 Blanket Pin



B1



B23



MB6



TY14

BLANKET BUTTONS are designed to secure eyelet-style insulating blankets. The B1 button, made of orange plastic, snaps through the eyelet with thumb pressure on the large head. The bright orange polystyrene **B23** two-way buttons are inserted into the eyelets for use with a shotgun clamp stick or standard-duty switch stick.

MAGNETIC BLANKET BUTTONS are designed for use in eyelets of insulating blankets when covering energized portions in hard-to-cover areas like pad mounts, cubicles, switchboards and substations. Four permanent floating magnets are mounted between nickel-plated steel plates. May be applied manually, wearing rubber gloves, or with a shot-gun stick.

TY-STRAPS are 14" (356 mm) and 30" (762 mm) long and made of 1 1/2" (38 mm) wide strips of rubber with hook and pile fasteners affixed to each end. The worker simply wraps the Ty-Strap around the positioned blanket and presses the hook and pile ends together. Contact your local Salisbury representative for custom length Ty-Straps.

| CAT. NO. | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|----------|-----------------------------|--------------------------|
| B1 | Snap-Button, Orange | 1 oz. (.03) |
| B23 | Two-Way Button, Orange | 1 oz. (.03) |
| MB6 | Magnetic Blanket Button | 7 oz. (.2) |
| TY14 | Ty-Straps, 14" (356mm) long | 2 oz. (.06) |
| TY30 | Ty-Straps, 30" (762mm) long | 4 oz. (.12) |



BLANKET ACCESSORIES

STORAGE

BLANKET CANISTERS are molded in bright orange, hi-impact, polyethylene to protect insulating blankets when not in use. A tight-fitting cap is secured to the canister with polypropylene rope.

Salisbury's **P4H BLANKET CANISTER** Revolutionizes the way you'll store your blankets. The P4H canister has a sturdier construction than the regular P4, with integrated feet to keep the canister from rolling while being transported by truck or stored at the workplace. The ergonomic handle runs the entire length of the canister, making lifting and carrying up to four 36" x 36" blankets much easier. Slots are provided within the canister to allow it to be secured in buckets or on trucks.

BLANKET ROLL UPS provide a safe and convenient means for protecting blankets from damage while in transport or storage. Ruggedly constructed of 18 oz. vinyl with side flaps to confine the blankets into position and prevent damage to the edges. Two heavy 33" web straps with buckles close the roll-up, and includes a web carrying handle.

STORAGE TIPS: When more than one blanket is stored, the most convenient method of loading is to roll and insert each blanket into the canister independently. A single blanket can then be removed without removing the others. For maximum useful life, never fold, crease or compress insulating blankets while in storage.



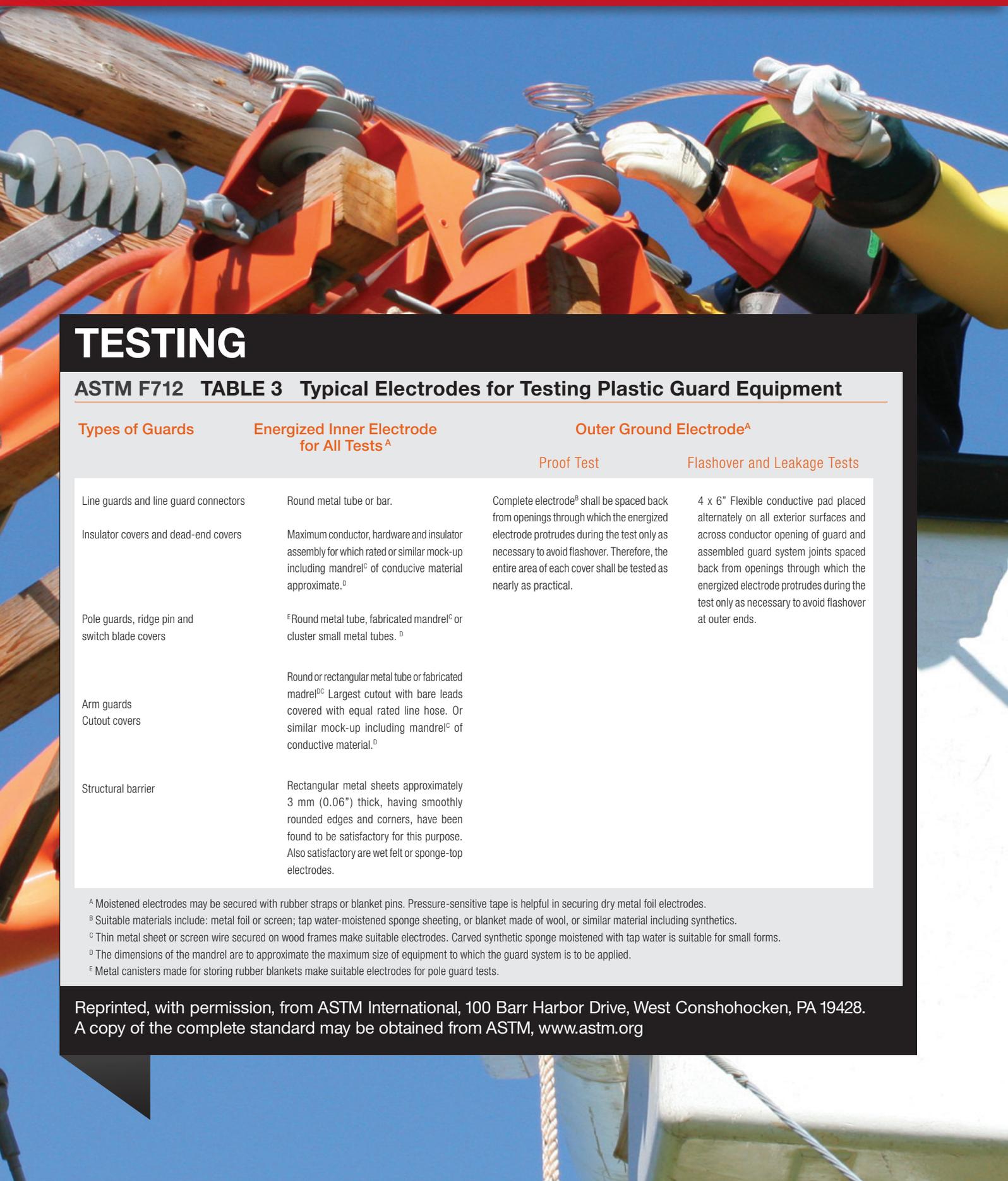
22

| CAT. NO. | DESCRIPTION | FITS BLANKET MAX SIZE in.(mm) | DIMENSIONS in. (mm) | CAPACITY | WEIGHT EA. lbs. (kgs) |
|----------|-----------------|----------------------------------|------------------------|--------------|--------------------------|
| P2 | Canister | 36 (914) | 5 x 37 (127 x 940) | 1-2 blankets | 2 (.9) |
| P3 | Canister | 36 (914) | 6 x 37 (152 x 940) | 1-3 blankets | 3 (1.4) |
| P4 | Canister | 36 (914) | 7 x 37 (178 x 940) | 1-4 blankets | 3.5 (1.6) |
| P4H | Canister | 36 (914) | 7 x 37 (178 x 940) | 1-4 blankets | 3.5 (1.6) |
| P6 | Canister | 36 (914) | 9 x 37 (229 x 940) | 1-6 blankets | 5 (2.3) |
| P3-47 | Canister | 46 (1168) | 6 x 47 (152 x 1194) | 1-2 blankets | 4 (1.8) |
| 22 | Roll-up (vinyl) | 22 (559) | 56 x 42 (1651 x 1067) | 1-4 blankets | 1.5 (.68) |
| 36 | Roll-up (vinyl) | 36 (914) or 46 (1168) | 67 x 55 (1702 x 1397) | 1-4 blankets | 2.5 (1.1) |
| 46 | Roll-up (vinyl) | 36 (914) or 46 (1168) | 70 x 55 (1778 x 1397) | 1-4 blankets | 4 (1.8) |

INSULATING PLASTIC GUARDS & COVERS



INSULATING PLASTIC GUARDS & COVERS



TESTING

ASTM F712 TABLE 3 Typical Electrodes for Testing Plastic Guard Equipment

| Types of Guards | Energized Inner Electrode for All Tests ^A | Outer Ground Electrode ^A | |
|--|--|---|--|
| | | Proof Test | Flashover and Leakage Tests |
| Line guards and line guard connectors | Round metal tube or bar. | Complete electrode ^B shall be spaced back from openings through which the energized electrode protrudes during the test only as necessary to avoid flashover. Therefore, the entire area of each cover shall be tested as nearly as practical. | 4 x 6" Flexible conductive pad placed alternately on all exterior surfaces and across conductor opening of guard and assembled guard system joints spaced back from openings through which the energized electrode protrudes during the test only as necessary to avoid flashover at outer ends. |
| Insulator covers and dead-end covers | Maximum conductor, hardware and insulator assembly for which rated or similar mock-up including mandrel ^C of conductive material approximate. ^D | | |
| Pole guards, ridge pin and switch blade covers | ^E Round metal tube, fabricated mandrel ^C or cluster small metal tubes. ^D | | |
| Arm guards Cutout covers | Round or rectangular metal tube or fabricated mandrel ^C Largest cutout with bare leads covered with equal rated line hose. Or similar mock-up including mandrel ^C of conductive material. ^D | | |
| Structural barrier | Rectangular metal sheets approximately 3 mm (0.06") thick, having smoothly rounded edges and corners, have been found to be satisfactory for this purpose. Also satisfactory are wet felt or sponge-top electrodes. | | |

^A Moistened electrodes may be secured with rubber straps or blanket pins. Pressure-sensitive tape is helpful in securing dry metal foil electrodes.

^B Suitable materials include: metal foil or screen; tap water-moistened sponge sheeting, or blanket made of wool, or similar material including synthetics.

^C Thin metal sheet or screen wire secured on wood frames make suitable electrodes. Carved synthetic sponge moistened with tap water is suitable for small forms.

^D The dimensions of the mandrel are to approximate the maximum size of equipment to which the guard system is to be applied.

^E Metal canisters made for storing rubber blankets make suitable electrodes for pole guard tests.

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ASTM F712
TABLE 2 Minimum Flashover Test^A

| Rating, kV | Max Use 60 Hz | | Min Flashover Voltage Test f -Ground kV | | Criteria |
|------------|------------------|----------|---|----|---|
| | 0-0 ^A | 0-Ground | 60 Hz | DC | |
| 2 | 14.6 | 8.4 | 14.0 | 20 | No flashover other than momentary as a result of too-close spacing of electrode |
| 3 | 26.4 | 15.3 | 25.0 | 35 | |
| 4 | 36.6 | 21.1 | 34.0 | 48 | |
| 5 | 48.3 | 27.0 | 43.0 | 61 | |
| 6 | 72.5 | 41.8 | 67.0 | 95 | |

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

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GUARDS AND COVERS are intended for brush contact applications. All guards can be coupled together to cover any length required.

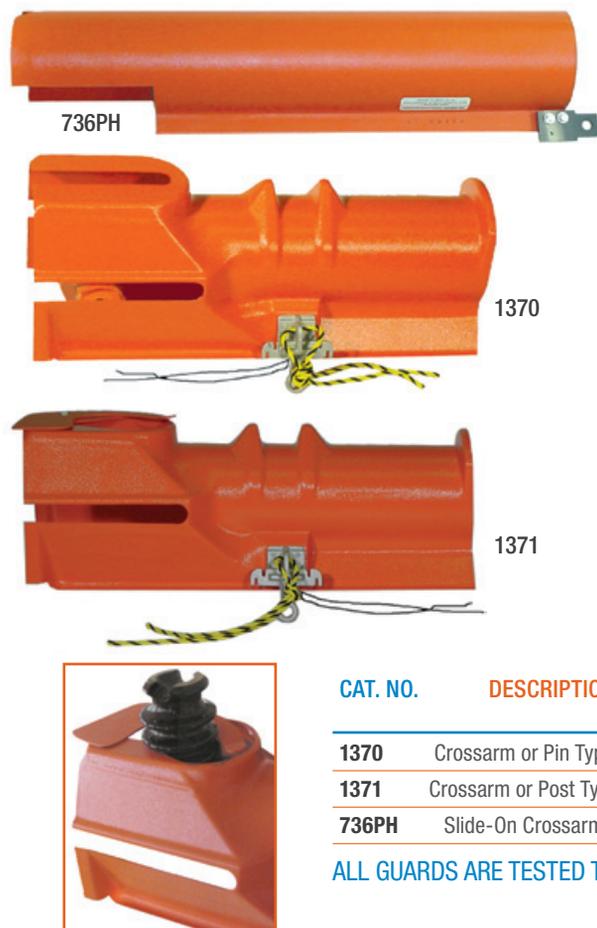
Guards and covers are available in three different grades: Grade 1 with hot stick handles attached for application and removal, Grade 2 with eye fittings for standard shotgun sticks and Grade 3 without eye fittings. Guards are designed to nest within each other for storage.

The guards and covers are made from two different orange thermoplastics: Type I is an ABS standard cold weather high impact plastic and Type III is an ABS/PVC weather resistant material that offers advantages in tensile and impact strength, hardness, UV stability and flame resistance.

ALWAYS FOLLOW YOUR COMPANY'S SAFETY PROCEDURES.

Rubber insulating equipment is realistically limited to Class 4 material in the design specification standards. Plastic guard equipment has been designed to go beyond these voltages and provide a satisfactory degree of worker protection. Major differences exist in use criteria between the rubber and the plastic guard equipment. Each glove, sleeve or other article of rubber insulating equipment has a given safety factor for the phase to phase voltage on which it may be used and the class or proof voltage at which it is tested. Plastic guard equipment; however, is designed to provide a satisfactory safety factor only when used in a phase-to-ground exposure. If exposure is phase-to-phase, then a satisfactory safety factor is only provided if the exposure is covered-phase-to-covered-phase.

CROSSARM GUARDS



CROSSARM GUARDS are available in two different styles: the 1370 pin type and the 1371 post type. They are used to prevent tie wires from contacting crossarms during hot line operations. Two different tie downs are provided: a neoprene and a polypropylene rope. Both are secured in the slots provided in the eye fitting. The post type model has an automatic gap closer which covers the insulator slot opening over the end of the arm.

The **SLIDE-ON CROSSARM GUARD** 736PH is applied by sliding the cover on to the arm from the end using the shotgun eye until the unit locks onto the insulator pins. The cover overlaps on top and has notches to ease application and removal.

Both of these guards are made from orange Type I ABS cold weather high impact plastic. These guards have a voltage rating of 36.6 kV*.

*guarded Ø to guarded Ø .

| CAT. NO. | DESCRIPTION | DIMENSIONS in. (mm) | ASTM VOLTAGE CLASS | WEIGHT EA. lbs. (kgs) |
|----------|-----------------------------|----------------------------------|--------------------|-----------------------|
| 1370 | Crossarm or Pin Type Guard | 9 x 9 x 25.5 (229 x 229 x 648) | 4 | 5.7 (2.6) |
| 1371 | Crossarm or Post Type Guard | Fits Crossarm: 5 x 6 (127 x 152) | 4 | 6.0 (2.7) |
| 736PH | Slide-On Crossarm Guard | 7" I.D. x 36" (178 I.D. x 914) | 4 | 4.5 (2) |

ALL GUARDS ARE TESTED TO ASTM F712

AIR GAP® POLE GUARDS

POLE GUARDS are installed before setting new poles to guard against accidental line contact. They also guard against pole contacts by personnel working in insulating aerial buckets or on platforms. Pole Guards are made from orange, Type I ABS, cold weather, high impact thermoplastic. Salisbury Pole Guards feature the unique Air Gap® design. Uniformly spaced dimples minimize the amount of surface area contacting the pole. This provides added insulation to keep electrical leakage to a minimum. When two pole guards are used to cover longer lengths, the Air Gap® dimples nest together “locking” the two together with ample overlap. **This is an exclusive feature to Salisbury Pole Guards.** The Air Gap® design also allows for air flow between it and the pole minimizing moisture condensation and contamination buildup.

All Salisbury Pole Guards include drilled rope handles for easy application. Pole Guards should be used for brush contact. The opening should face away from possible line contacts, whenever possible. Pole Guards should be stored indoors to avoid prolonged exposure to UV rays and can be cleaned with a warm detergent solution.

| CAT. NO. | CLASS | DIAMETER in. (cm) | LENGTH ft. (cm) | WEIGHT EA. lbs. (kgs) |
|----------|-------|----------------------|--------------------|--------------------------|
| 2851 | 4 | 6" (15.2) | X 1' (30.5) | 1.8 (0.8) |
| 2852 | 4 | 6" (15.2) | X 2' (61.0) | 3.6 (1.6) |
| 2853 | 4 | 6" (15.2) | X 3' (91.4) | 5.3 (2.4) |
| 2854 | 4 | 6" (15.2) | X 4' (121.9) | 7.1 (3.2) |
| 2856 | 4 | 6" (15.2) | X 6' (182.9) | 10.7 (4.9) |
| 1385 | 4 | 9" (22.9) | X 1' (30.5) | 2.3 (1.1) |
| 1386 | 4 | 9" (22.9) | X 2' (61.0) | 4.6 (2.1) |
| 1356 | 4 | 9" (22.9) | X 3' (91.4) | 6.9 (3.1) |
| 1357 | 4 | 9" (22.9) | X 4' (121.9) | 9.2 (4.2) |
| 2496 | 4 | 9" (22.9) | X 6' (182.9) | 13.8 (6.3) |
| 2461 | 4 | 12" (30.5) | X 1' (30.5) | 2.7 (1.3) |
| 2462 | 4 | 12" (30.5) | X 2' (61.0) | 5.3 (2.4) |
| 2464 | 4 | 12" (30.5) | X 4' (121.9) | 10.7 (4.9) |
| 2466 | 4 | 12" (30.5) | X 6' (182.9) | 16 (7.3) |
| 21837 | 4 | 9" (22.9) | X 4' (121.0) | 9.2 (4.2) |
| 21936 | 4 | 7" (17.8) | X 2' (61.0) | 3.8 (1.7) |
| 29024 | 5 | 9" (22.9) | X 1' (30.5) | 2.3 (1.1) |
| 29023 | 5 | 9" (22.9) | X 2' (60.9) | 4.6 (2.1) |
| 29022 | 5 | 9" (22.9) | X 3' (91.4) | 6.9 (3.1) |
| 29021 | 5 | 9" (22.9) | X 4' (121.9) | 9.2 (4.2) |
| 2486 | 5 | 9" (22.9) | X 6' (182.9) | 13.8 (6.3) |
| 29028 | 5 | 12" (30.5) | X 1' (30.5) | 2.7 (1.3) |
| 29027 | 5 | 12" (30.5) | X 2' (60.9) | 5.3 (2.4) |
| 29026 | 5 | 12" (30.5) | X 3' (91.4) | 8.0 (3.6) |
| 29025 | 5 | 12" (30.5) | X 4' (121.9) | 10.7 (4.9) |
| 2478 | 5 | 12" (30.5) | X 6' (182.9) | 16.0 (7.3) |

ALL GUARDS ARE TESTED TO ASTM F712



Strong memory improves grip when applied to the utility pole. The pole guard has high impact properties suitable for cold weather service.



2475



Versa Guards® and Link Guard® Cross Section



2884

VERSA GUARDS® AND LINK GUARDS make use of air as well as the dielectric strength of plastic to provide total insulating value. Both guards have a 7” diameter and a hook shaped inner lip to keep the guard in place.

VERSA GUARDS®, with a voltage rating of 36.6 kV*, are designed so that two guards can be coupled together to cover most 13 kV single and double arm, pin and post constructions. A lighter 47” version (**2389**) of the standard 4.5’ Versa Guard is available in a Type III ABS/PVC weather resistant material.

LINK GUARDS®, with a voltage rating of 72.5kV*, have inner and outer shells that run full length to include male and female couple ends. Two guards connected provide four overlapping thicknesses of plastic plus air at a joint.

TEE CONNECTORS are used on horizontal and vertical posts and suspension insulator strings when plastic line guards are used on the conductor. Made from Type I, ABS plastic with eye fittings, the connector accommodates the male end of a guard. Available in two ratings: 72.5 kV* and 48.3 kV*. Accepts 34.5 kV pin insulators along with post and insulator strings.

*guarded Ø to guarded Ø .

Bags are available on page D-10.



1680

| CAT. NO. | DESCRIPTION | TYPE | ASTM VOLTAGE CLASS | GRADE | WEIGHT EA. lbs. (kgs) |
|--------------------------------------|------------------|------|--------------------|-------|-----------------------|
| VERSA GUARDS®- 4.5' (1.37 M) | | | | | |
| 1686 | ABS Eye | I | 4 | 2 | 8.8 (4.0) |
| 1687 | ABS 4' Stick | I | 4 | 1 | 10.8 (4.9) |
| 1688 | ABS 6' Stick | I | 4 | 1 | 11.8 (5.4) |
| 2373 | ABS/PVC Eye | III | 4 | 2 | 8.8 (4.0) |
| 2377 | ABS/PVC 4' Stick | III | 4 | 1 | 10.8 (4.9) |
| 2378 | ABS/PVC 6' Stick | III | 4 | 1 | 11.8 (5.4) |
| VERSA GUARDS®- 3.92' (1.19 M) | | | | | |
| 2389 | ABS/PVC 4' Stick | III | 4 | 1 | 6.1 (2.8) |
| 2689 | ABS/PVC Eye | III | 4 | 2 | 8.1 (3.7) |
| LINK GUARDS®- 4.5' (1.37 M) | | | | | |
| 1680 | ABS Eye | I | 6 | 2 | 10.5 (4.8) |
| 1681 | ABS 4' Stick | I | 6 | 1 | 12.5 (5.7) |
| 1682 | ABS 6' Stick | I | 6 | 1 | 13.5 (6.1) |
| 2475 | ABS/PVC Eye | III | 6 | 2 | 10.5 (4.8) |
| 2476 | ABS/PVC 4' Stick | III | 6 | 1 | 12.5 (5.7) |
| 2477 | ABS/PVC 6' Stick | III | 6 | 1 | 13.5 (6.1) |
| TEE CONNECTORS | | | | | |
| 2224 | ABS Eye | I | 6 | 2 | 7.8 (3.5) |
| 2884 | ABS Eye | I | 5 | 2 | 6.0 (2.7) |

ALL GUARDS ARE TESTED TO ASTM F712

LIGHTWEIGHT CONDUCTOR COVERS

LIGHTWEIGHT CONDUCTOR COVERS are ideal to cover long spans when weight is a consideration. They can be applied when wearing rubber gloves or with a fiberglass hotstick. Available with an eye for application with clampsticks. These covers have a voltage rating of 26.4 kV*. The inside diameter is 2". This product can connect with Salisbury 1.5" I.D. Class 3 or 4 flexible cover-up equipment.

The **21826 LIGHTWEIGHT CONDUCTOR COVER** is a six foot 36.6 kV* class 4 rated cover. It is applied using rubber gloves when following appropriate company work rules. The inside diameter is 3" making it useful on a wide range of conductor sizes.

The unique "connector-stop" molded into one end prevents covers from overlapping during installation. This eliminates wasted time when trucks have to be moved to reconnect sections that did not couple correctly. This cover is also compatible with Salisbury 1.5" I.D. Class 3 or 4 flexible rubber line hose.

All of our lightweight covers are made from orange Type I high density cross link polyethylene.

*guarded Ø to guarded Ø .

| CAT. NO. | DESCRIPTION ft. (m) | ASTM VOLTAGE CLASS | GRADE | WEIGHT EA. lbs. (kgs) |
|---|---|-----------------------|-------|--------------------------|
| 26.4 KV GUARDED PHASE TO GUARDED PHASE | | | | |
| 21172 | 5' (1.5) Cover w/ Eye | 3 | 2 | 4.0 (1.8) |
| 21173 | 5' (1.5) Cover w/o Eye | 3 | -- | 3.0 (1.4) |
| 21315 | 5' (1.5) Cover w/ 4' (1.2) Fiberglass Stick | 3 | 1 | 5.0 (2.25) |
| 21234 | Adapter Eye | 3 | -- | 1.5 (0.7) |
| 36.6 KV GUARDED PHASE TO GUARDED PHASE | | | | |
| 21826 | 6' (1.8) Cover | 4 | -- | 6.5 (2.95) |

ALL GUARDS ARE TESTED TO ASTM F712



21173



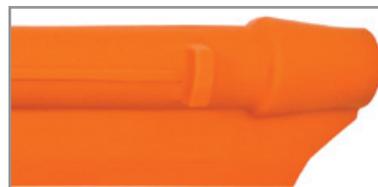
21172



21315



Conductor Covers connect easily with either plastic or rubber line hose



21826 Unique Connector Stop



21826



21234 Adapter Eye

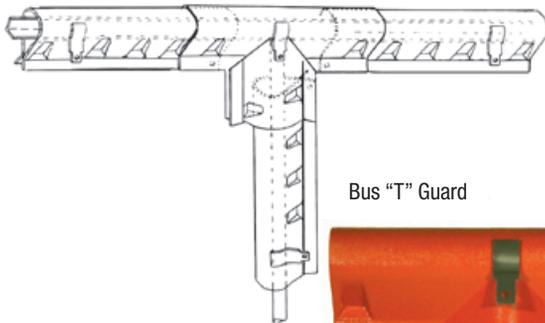


1374



Bus Guard

Eye kit is available on page D-10.



Bus "T" Guard

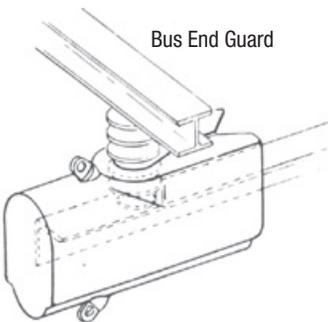


1375



9992

Bus End Guard



SUBSTATION COVER-UP and barrier equipment is used during routine maintenance where accidental contact may occur. This barrier equipment is often used where outages are difficult to reach and the occurrence of accidental contact is high. These covers may be applied with rubber gloves or hot sticks. These covers are made from Type I orange ABS plastic. This equipment is not intended for permanent or semipermanent barrier or insulating applications. The use of these covers is to protect against accidental contact only. These covers are not to be left installed for extended periods of time especially when in contact with both a grounded and energized object.

BUS GUARDS are easily interlocked with each other. To interlock units, determine the length of bus to be covered. Place one unit on the bus guard then the other, pulling it over the first cover until the dimples interlock at the required length. This guard has a voltage rating of 36.6 kV*.

BUS "T" GUARDS interlock two or three bus guards at bus tap "T" connections and 90 degree angles. To interlock units, first position the bus guard. Then, slide the "T" guard over the top and interlock the dimples. This guard has a voltage rating of 36.6 kV*.

BUS END GUARDS cover the ends of a substation bus supported by station post insulators. The slot and insulator grip hole can be easily enlarged in the field with a sharp knife. This cover also has a guide bead for a trim fit. This guard has a voltage rating of 26.4 kV*.

*guarded Ø to guarded Ø .

| CAT. NO. | DIMENSION in. (mm) | DESCRIPTION | ASTM VOLTAGE CLASS | WEIGHT EA. lbs. (kgs) |
|----------------------|--------------------------------------|---|-----------------------|--------------------------|
| BUS GUARD | | | | |
| 1374 | 5.25"x 9.5"x 4.5' (133 x 241 x 1.4m) | Impact Resistant ABS Plastic | 4 | 6.0 (2.7) |
| BUS "T" GUARD | | | | |
| 1375 | 5"x 15" x 25" (127 x 381 x 635) | Impact Resistant ABS Plastic | 4 | 4.0 (1.8) |
| BUS END GUARD | | | | |
| 9992 | 8.5"x 12" x 24" (216 x 305 x 610) | UV Resistant High Density Cross Linked Polyethylene | 3 | 5.0 (2.3) |

ALL GUARDS ARE TESTED TO ASTM F712

All Bus Guards may be applied with rubber gloves or hotsticks. Contact your local Salisbury representative for hotstick purchasing or visit www.salisburybyhoneywell.com for more information on our line of hotstick products. Use Salisbury Insulating Rubber Blankets as additional or alternative cover-up in situations where Bus Guards may be used.

SUBSTATION COVER-UP

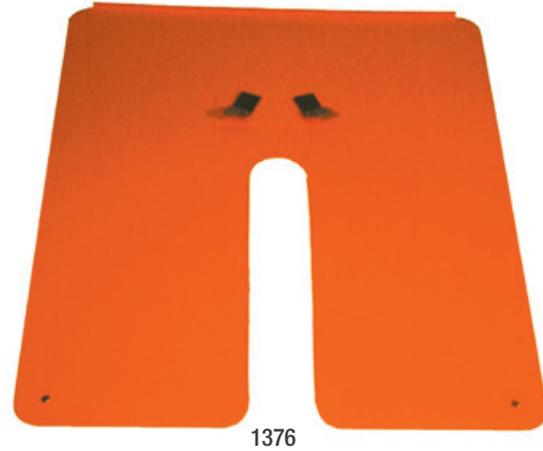
SWITCH JAW GUARD & BARRIER

SWITCH JAW GUARDS insulate the energized upper switch jaw and insulator when work is being done on the switch blade, lower insulator or other de-energized equipment ahead of the open switch. These guards easily slide over the upper insulator on open substation switches and lock over the bus. Jaw Guards are made from Type I UV resistant plastic. Salisbury offers switch jaw guards rated at both 26.4 kV* and 14.6 kV*.

The **24219 SWITCH JAW COVER** provides an insulated barrier to the energized upper switch jaw and insulator, when work is being done on the switch blade, lower insulator or other de-energized equipment ahead of the open switch. This guard slides easily over the upper insulator on open substation neutral disconnect cabinet switches and locks over the bus. The 24219 Cover is made from Type I cold weather high impact plastic. This guard has a voltage rating of 14.6 kV*.

SWITCH BARRIERS slide between the last two skirts on the post or pin cap insulators of the substation disconnect switch. This locks the barrier in place. When switches are mounted back to back and work is needed on one switch, the barrier can be placed on the energized switch to form a visible, electrical and mechanical barrier. Work can then be done on the opposite switch or other de-energized equipment. This guard has a voltage rating of 36.6 kV*.

*guarded Ø to guarded Ø .



1376



Barrier and Switch Jaw Guard installed on a Substation Switch.

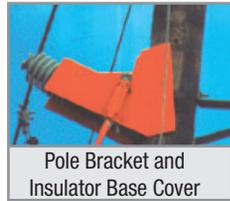
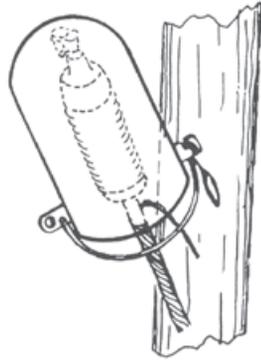


24455



2418

| CAT. NO. | DIMENSIONS in. (mm) | DESCRIPTION | ASTM VOLTAGE CLASS | WEIGHT EA. lbs. (kgs) |
|------------------|--|--|-----------------------|--------------------------|
| JAW GUARD | | | | |
| 2418 | 8" D. x 18" (203 D. x 457) | Use w/ switch 8"(203) Dia. Insulated | 3 | 4 (1.8) |
| 2424 | 8" D. x 24" (203 D. x 610) | Use w/ switch 8"(203) Dia. Insulated | 3 | 5 (2.3) |
| 24455 | 8" D. x 16" (203 D. x 406) | Use w/ switch 8"(203) Dia. Insulated | 2 | 2.25 (1.14) |
| 2413 | 13" D. x 24" (330 D. x 610) | Use w/ switch 13"(330) Dia. Pin Cap Insulators | 3 | 7 (3.2) |
| BARRIER | | | | |
| 1376 | .125"x43"x52" (3.2 x 1092 x 1320) 5" (127) slot to center | Orange Type I High Impact ABS Plastic | 4 | 12 (5.5) |



Pole Bracket and Insulator Base Cover



Elbow

4314



Elbow Cover Application

The **UNIVERSAL HOT COVER** is used to provide additional cover-up and clearances. This cover is made from orange Type I polyethylene plastic. The hotstick eye allows this cover to be placed and removed with a shotgun type clamp stick or with rubber gloves. To secure in place, use the elastic tie-down cord. This cover can be used on overhead or underground energized cable terminators, potheads or while inverted, on lightning arrestors. This cover has a 36.6 kV guarded phase to guarded phase rating.

The **POLE BRACKET AND INSULATOR BASE COVER** guards against accidental contact with a pole, bracket or insulator base during routine maintenance. It is made from an orange UV resistant Type I polyethylene plastic. The Grade 2 hotstick eye allows this cover to be applied and removed with a hotstick or with rubber gloves. It covers metal or fiberglass brackets 8-12" long and pole mounting plates. This cover also interlocks with a pole insulator. This cover has a voltage rating of 26.4 kV*.

The **UNDERGROUND DISTRIBUTION ELBOW COVER** covers primary elbows and spade terminals during routine maintenance. It covers up to the face plate and cable connection. This cover is made from orange Type I polyethylene plastic. The hotstick eye allows this cover to be applied and removed with a hotstick. This cover self locks for a secure fit in confined areas. The bead can be trimmed in the field to meet clearance requirements. This cover has a voltage rating of 26.4 kV*.

*guarded Ø to guarded Ø .

| CAT. NO. | DESCRIPTION | ASTM VOLTAGE CLASS | WEIGHT EA. lbs. (kgs) |
|----------|---|--------------------|-----------------------|
| 816 | Hot Cover 8" x 16" (203 x 406) | 4 | 2.5 (1.1) |
| 4314 | Underground Distribution Elbow Cover 15" x 14.25" (381 x 362) | 3 | 2.0 (.9) |
| 4333 | Pole Bracket & Insulator Base Cover 20" x 25" (508 x 635) | 3 | 2.5 (1.1) |

ALL GUARDS ARE TESTED TO ASTM F712

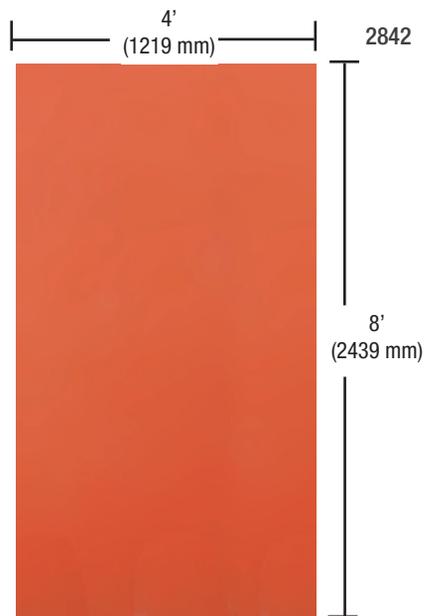
GUARD AND COVER ACCESSORIES

BAGS FOR LINE GUARDS AND POLE GUARDS come in two different sizes and can hold two nested line guards.

All of these bags are made from soil-resistant, vinyl-coated nylon and are equipped with a drawstring and mail bag lock.

The **APPLICATOR EYE KIT** is used to apply a new or extra shotgun eye where needed. If a Bus or "T" guard needs to be shortened or inverted, this kit allows modifications to be made. Clear PVC pipe cement may be used to secure the eye. Directions are included.

The **INSULATING BARRIER SHEET** can be used to create barriers in the field. This sheet is made from Type I ABS plastic and can be worked with ordinary hand tools, saws, tin snips and drills. It can also be hot formed using a heat gun. For example, this sheet can be bent at right angles over a table top to produce flanges for joining with other parts. Pipe adhesive can be used to join to other parts. The rated puncture is 50kV. This sheet is not intended for permanent or semipermanent barrier or insulating applications. It should be used for accidental brush applications. The 2842 barrier material meets the requirements of ASTM F712, 9.1.1 Type 1 Guards. The final application and classification of the barrier/cover is the responsibility of the user.



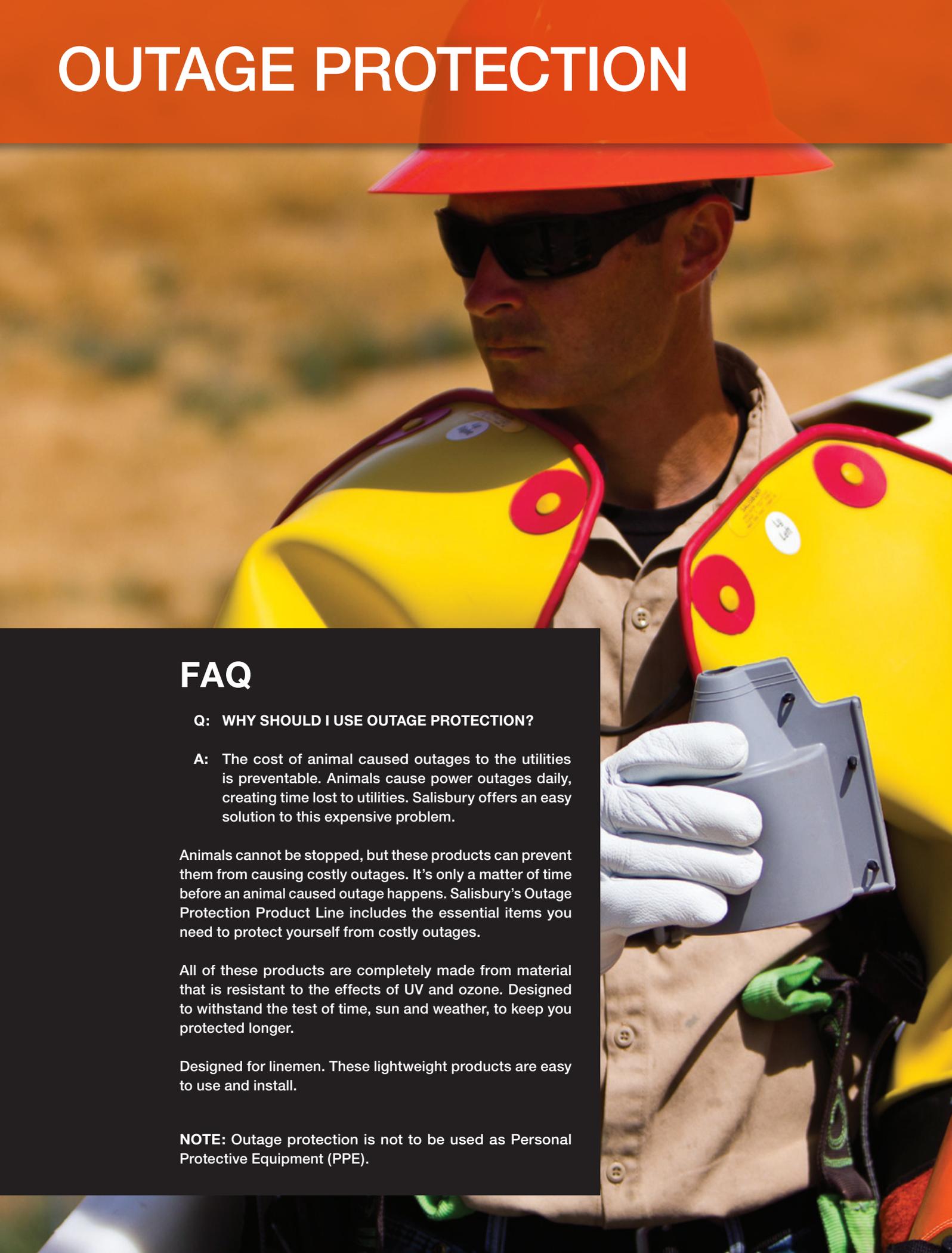
| CAT. NO. | DIMENSIONS | | WEIGHT EA. lbs. (kgs) |
|---------------------------|--|----------|--------------------------|
| | ft. (m) | in. (mm) | |
| BAGS - LINE GUARDS | | | |
| 1841 | 2 - 6' (1.8) line guards or 2 - 9" x 6' (229 x 1.8) Line Guards | | 4.5 (2.0) |
| 1933 | 2 - 4.5' (1.4) line guards or 2 - 9" x 4' (229 x 1.22) Line Guards | | 3.5 (1.6) |
| BAGS - POLE GUARDS | | | |
| 1871 | 2 - 12" x 6' (305 x 1.8) Pole Guards | | 5.2 (2.4) |
| EYE KIT | | | |
| 1378 | 1 eye per kit | | .25 (.11) |
| BARRIER SHEET | | | |
| 2842 | 4' x 8' x .125" (1.2m x 2.4m x 3.2) | | 36 (16.4) |



OUTAGE PROTECTION



OUTAGE PROTECTION



FAQ

Q: WHY SHOULD I USE OUTAGE PROTECTION?

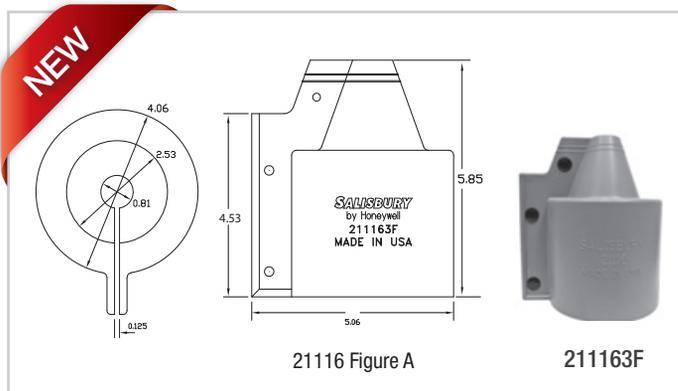
A: The cost of animal caused outages to the utilities is preventable. Animals cause power outages daily, creating time lost to utilities. Salisbury offers an easy solution to this expensive problem.

Animals cannot be stopped, but these products can prevent them from causing costly outages. It's only a matter of time before an animal caused outage happens. Salisbury's Outage Protection Product Line includes the essential items you need to protect yourself from costly outages.

All of these products are completely made from material that is resistant to the effects of UV and ozone. Designed to withstand the test of time, sun and weather, to keep you protected longer.

Designed for linemen. These lightweight products are easy to use and install.

NOTE: Outage protection is not to be used as Personal Protective Equipment (PPE).



Standard Salisbury **BUSHING COVERS** and Salisbury **TRI-PORT® BUSHING COVERS** are made from Ozone and UV resistant silicone rubber which maximizes their outdoor durability and tracking resistance. These covers have been **ACCEPTED BY RURAL UTILITIES SERVICE (RUS)**.

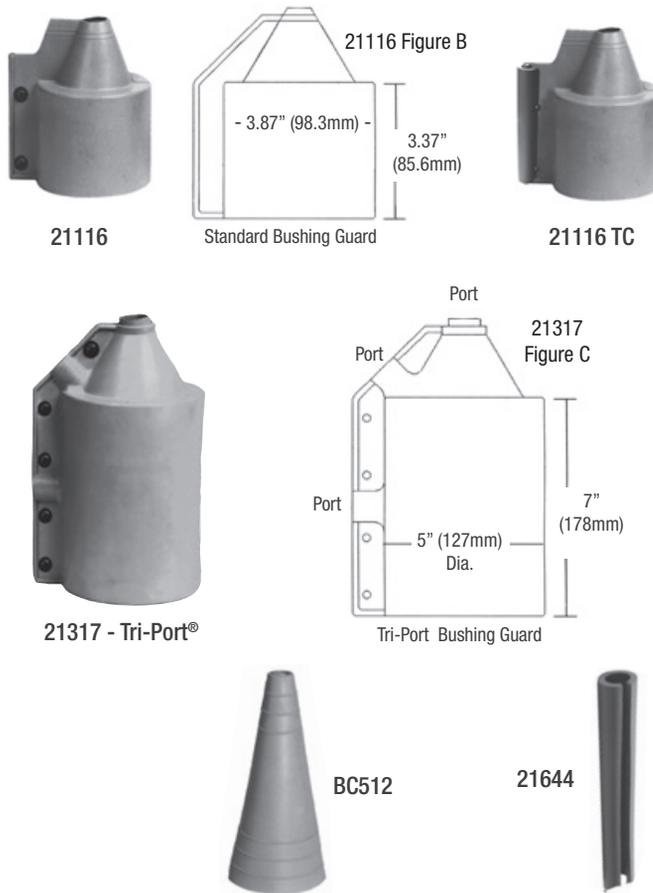
Bushing Covers protect against wildlife contacts between energized equipment and ground by insulating exposed energized bushing parts.

STANDARD and **TRI-PORT® BUSHING COVERS** interlock with the top weathershed of the bushing and are securely fastened by inserting lock buttons (provided).

The **211163F** new bushing cover option provides added protection against animal caused outages. The third fastener (lock button) secures the cover firmly onto the bare conductor or stinger cover further insulating energized equipment. The **21116TC**, Bushing Cover includes the 21644 Tube Closure. The **21644** Tube Closure provides an easier and quicker way to securely close the standard bushing cover

Bushing Covers can be installed without disconnecting equipment using rubber insulating gloves. Covering a small area of the lead wire, the opening can be trimmed to accommodate larger wires or 5/8" and 3/4" Salisbury Stinger Covers.

CONE BUSHING COVERS For complete 360 degree coverage, the BC512 is the right choice. These covers come complete with upper and lower trim rings for a custom fit size and internal ribs for added air flow and water drainage. Made from Ozone and UV resistant silicone rubber, the BC512 permanently protects bushings from all sources of potential outages. Installation requires de-energizing equipment.

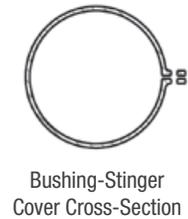
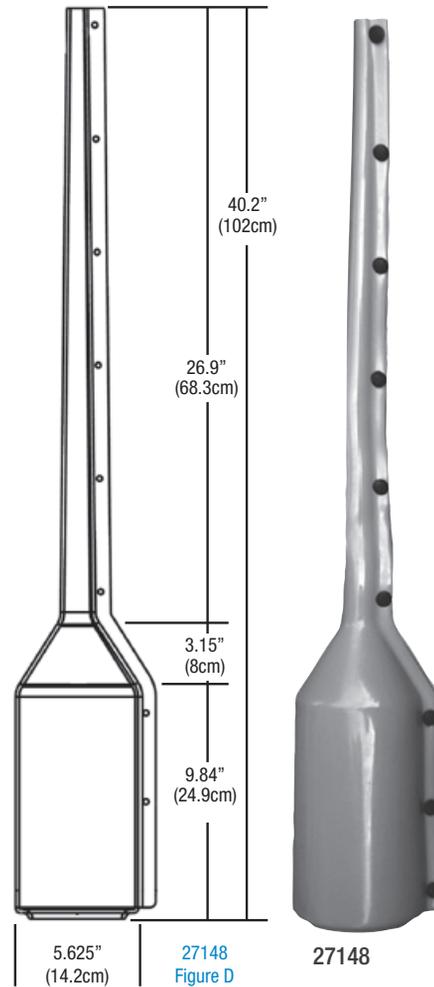


| CAT. NO. | DESCRIPTION | DIMENSIONS in. (mm) | QUANTITY | FLASHOVER TEST PHASE TO GROUND VOLTAGE | WEIGHT EA. lbs. (kgs) |
|---------------------------------|------------------------------|---------------------------|----------|---|--------------------------|
| BUSHING COVERS | | | | | |
| 21116 | Cover Only w/ 2 lock buttons | See figure B | 24 pcs. | 16 kV | 16 (7.3) |
| 211163F | Cover Only w/ 3 lock buttons | See figure A | 24 pcs. | 16 kV | 16 (7.3) |
| 21116TC | Cover Only w/ 21644 | See figure A | 24 pcs. | 16 kV | 16 (7.3) |
| 21644 | Tube Closure | - | - | - | - |
| 21183 | Cover Kit w/Stinger Cover | .375 x 18 (9.5 x 457) | 24 pcs. | n/a | 20 (9) |
| BC512 | Cone Bushing Cover | 12H x 5 W (305 H x 127 W) | 1 | n/a | 1.5 (.7) |
| TRI-PORT® BUSHING COVERS | | | | | |
| 21317 | Cover Only | See Figure C | 24 pcs. | 16 kV | 28 (12.7) |
| 24140 | Cover Kit w/ Stinger Cover | 3/8 x 18 (9.5 x 457) | 24 pcs. | n/a | 35 (16) |

PVC BUSHING COVER SYSTEM



COMPLETE BUSHING-STINGER COVER This product is made from UV resistant PVC plastic to maximize the outdoor durability. The Complete Bushing/Stinger Cover interlocks with the top weather shed of the bushing and securely fastens by inserting lock buttons (provided). The Complete Bushing/Stinger Cover can be installed without disconnecting equipment using rubber insulating gloves. This product offers an integrated stinger cover which will cover the lead wire for an easy solution.



| CAT. NO. | DESCRIPTION | DIMENSIONS in. (mm) | QUANTITY | PHASE TO GROUND FLASHOVER TEST VOLTAGE | WEIGHT EA. lbs. (kgs) |
|--------------|--|------------------------|----------|---|--------------------------|
| 27148 | COMPLETE BUSHING-STINGER COVER Bushings Cover & Stinger Cover Unit | See figure D | 1 pc | - | 48 (21.9) |



THE SALISBURY STINGER COVERS SC AND SCS SERIES ARE EXTRUDED IN EPDM OR SILICONE RUBBER AND DESIGNED FOR FIELD INSTALLATION OVER BARE CONDUCTORS. THE COVERS PROVIDE ELECTRICAL INSULATION AND PROTECTION FOR PHASE TO PHASE AND PHASE TO GROUND FLASHOVER THAT IS CAUSED BY WILDLIFE CONTACT. ACCEPTED BY (RURAL UTILITY SERVICES) RUS.

High Voltage Wild Life Outage Protection Conductor Cover.

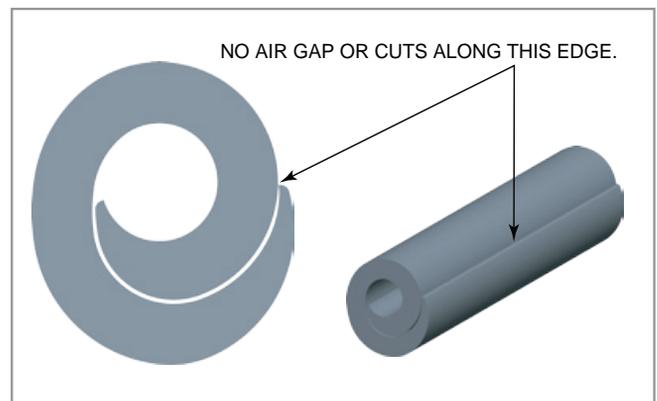
NEW SILICONE STINGER COVERS are suitable for applications up to 20kV Phase to Ground. The new cover design offers improved electrical insulation for phase to phase and phase to ground protection. The covers are extruded with a tapered profile specifically designed to overlap onto itself and over the conductor further improving the dielectric properties and conductor protection. The new stinger covers are manufactured using silicone rubber which has excellent high and low temperature properties. They are designed to resist the test of time, sun and weather while keeping assets protected.

The stinger cover can be installed without disconnecting the lead wire from the bushing. Stinger covers are available in six diameters and are easily cut down to the length needed in the field.



SILICONE STINGER COVER FEATURES:

- Suitable for applications up to 20kV phase to ground
- Six sizes available & will fit conductors up to 1.25" dia.
- Improved pliability at greater temperature ranges -40° C to 200° C
- Excellent UV & Ozone resistance
- Unique design profile
- Excellent conductor protection and fit
- Easy slip on installation, no tool required
- Flexibility of covers facilitate overhead installation on tight bends. Ideal for substation and distribution applications



NEW 20kV SILICONE STINGER COVER

NEW 20kV SILICONE STINGER COVER SPECIFICATIONS

PHYSICAL PROPERTIES

| PROPERTY | SPECIFICATION | TEST METHOD |
|---|--------------------------------|-----------------|
| Material | Silicone Rubber | N/A |
| Color | Gray | N/A |
| Tensile Strength | 600 PSI min | ASTM D-638 |
| Elongation | ≥200% | ASTM D-412 |
| Durometer | 60 +/-8 | ASTM D2240 |
| Temperature | -40°C to 200°C | N/A |
| Tear resistant | 75 PPI min | N/A |
| Ozone resistant | No crack @ 40C°(107°F), 70 hrs | N/A |
| UV resistant (ASTM G-26) | Yes | N/A |
| Flammability rating (provided by material supplier) | UL 94 V-0 | N/A |
| Comparative Tracking Index | > 500 V | ASTM D-3638 |
| Low Temperature Torsional Stiffness | Pass | ASTM D 1053-92E |



Enhanced cover profile allows for easy “slip on” installation.

ELECTRICAL PROPERTIES

| PROPERTY | SPECIFICATION | TEST METHOD |
|------------------------|-------------------------------|--|
| Dielectric Strength | ≥ 300 V/mil (118 kV/cm) | ASTM D149 |
| Flash over rating | Refer to ordering information | ASTM D1050 18.2 Electrical Flashover test |
| Volumetric resistivity | ≥1 x 10 ¹⁴ Ohm/cm | N/A |

ORDERING INFORMATION

| CAT. NO. | I.D. in. (mm) | THICKNESS in. (mm) | FLASHOVER TEST | | QUANTITY ft. (m) | WEIGHT lbs. (kgs) | CARTON SIZE in. (mm) |
|-----------|------------------|-----------------------|-------------------------|------------------------|---------------------|----------------------|--|
| | | | PHASE TO GROUND (kV) | PHASE TO PHASE (kV) | | | |
| 38-25SCS | 3/8 (9.5) | .200 (5.08) | 20 | 35 | 25 (7.62) coil | 10 (4) | 18 x 18 x 6 (457.2 x 457.2 x 154.2) |
| 38-50SCS | 3/8 (9.5) | .200 (5.08) | 20 | 35 | 50 (15.24) coil | 20 (9) | 18 x 18 x 6 (457.2 x 457.2 x 154.2) |
| 50-50SCS | 1/2 (12.7) | .200 (5.08) | 20 | 35 | 50 (15.24) coil | 23 (10) | 20 x 20 x 8 (508 x 508 x 203.2) |
| 58-25SCS | 5/8 (15.9) | .200 (5.08) | 20 | 35 | 25 (7.62) coil | 13 (5) | 18 x 18 x 6 (457.2 x 457.2 x 154.2) |
| 58-50SCS | 5/8 (15.9) | .200 (5.08) | 20 | 35 | 50 (15.24) coil | 26 (11) | 20 x 20 x 8 (508 x 508 x 203.2) |
| 34-25SCS | 3/4 (19.1) | .200 (5.08) | 20 | 35 | 25 (7.62) coil | 16 (7) | 18 x 18 x 6 (457.2 x 457.2 x 154.2) |
| 34-50SCS | 3/4 (19.1) | .200 (5.08) | 20 | 35 | 50 (15.24) coil | 32 (14) | 20 x 20 x 8 (508 x 508 x 203.2) |
| 100-25SCS | 1 (25.4) | .200 (5.08) | 20 | 35 | 25 (7.62) coil | 18 (8) | 20 x 20 x 8 (508 x 508 x 203.2) |
| 125-25SCS | 1 ¼ (31.8) | .200 (5.08) | 20 | 35 | 25 (7.62) coil | 18 (8) | 20 x 20 x 8 (508 x 508 x 203.2) |



10kV-15kV WILD LIFE OUTAGE PROTECTION CONDUCTOR COVER

EPDM Silicone Stinger Covers are suitable for applications up to 15kV Phase to Ground. The stinger covers are made with EPDM rubber, which is UV and ozone resistant and is applied over the conductor. They are designed to resist the test of time, sun and weather to keep the assets protected.

The stinger cover can be installed without disconnecting the lead wire from the bushing. Stinger covers are available in three diameters and are easily cut down to the length needed in the field.

Stinger covers are track resistant and made from **OZONE AND UV RESISTANT SALCOR® ELASTOMER IN A GREY COLOR.** The covers are proven to provide years of reliable service either independently or when used with bushing covers.

10-15kV EPDM STINGER COVER SPECIFICATIONS

PHYSICAL PROPERTIES

| PROPERTY | SPECIFICATION | STANDARD |
|------------------|---------------|------------|
| Material | EPDM | N/A |
| Color | Gray | N/A |
| Tensile Strength | 600 PSI | ASTM D412 |
| Elongation | 500% | ASTM D412 |
| Durometer | 78 | ASTM D2240 |

ELECTRICAL PROPERTIES

| PROPERTY | SPECIFICATION | STANDARD |
|--------------------|-------------------------------|------------|
| Dielectric Testing | 486 V/mil (191.3 kV/cm) | ASTM D149 |
| Flash over Rating | Refer to Ordering Information | ASTM D1050 |

EPDM STINGER COVER FEATURES:

- Suitable for applications up to 15kV phase to ground
- Three sizes and multiple packaging options available & will fit conductors up to .75" dia.
- Flexibility of covers facilitate overhead installation on tight bends. Ideal for substation and distribution applications.
- Excellent UV & Ozone resistance



ORDERING INFORMATION

| CAT. NO. | I.D. in. (mm) | DIMENSIONS ft (m) | FLASHOVER TEST | | QUANTITY | WEIGHT lbs. (kgs) |
|----------|------------------|----------------------|-------------------------|------------------------|----------|----------------------|
| | | | PHASE TO GROUND (kV) | PHASE TO PHASE (kV) | | |
| 38-2SC | 3/8 (9.5) | 2 (.61) | 10.5 | 18 | 25 pcs. | 9.5 (4.3) |
| 38-50SC | 3/8 (9.5) | 50 (15.3) | 10.5 | 18 | 1 coil | 9.5 (4.3) |
| 38-12SC | 3/8 (9.5) | 12 (3.7) | 10.5 | 18 | 4 pcs. | 9.5 (4.3) |
| 38-18SC | 3/8 (9.5) | 18" (457mm) | 10.5 | 18 | 50 pcs. | 11 (5) |
| 38-100SC | 3/8 (9.5) | 100 (30.5) | 10.5 | 18 | 1 coil | 16 (7.25) |
| 58-12SC | 5/8 (15.9) | 12 (3.7) coil | 12.5 | 22 | 4 pcs. | 22 (10) |
| 58-50SC | 5/8 (15.9) | 50 (15.3) coil | 12.5 | 22 | 1 pc. | 21 (9.5) |
| 58-100SC | 5/8 (15.9) | 100 (30.5) coil | 12.5 | 22 | 1 pc. | 45 (20.5) |
| 34-12SC | 3/4 (25.4) | 12 (3.7) coil | 14.9 | 26 | 4 pcs. | 22 (10) |
| 34-25SC | 3/4 (25.4) | 25 (7.6) coil | 14.9 | 26 | 2 pcs. | 22 (10) |

INSTANT INSULATION

INSTANT INSULATION may be installed as a permanent cover to protect against outages caused by weather, trees and animals. Instant Insulation resists ozone and ultraviolet deterioration while remaining flexible even at sub-zero conditions.

Instant Insulation is made of orange or grey SALCOR® elastomer. Instant Insulation is sold in three diameters, each 12 feet in length. Each include six nylon UV resistant bar-lock cable ties to secure it to the conductor.

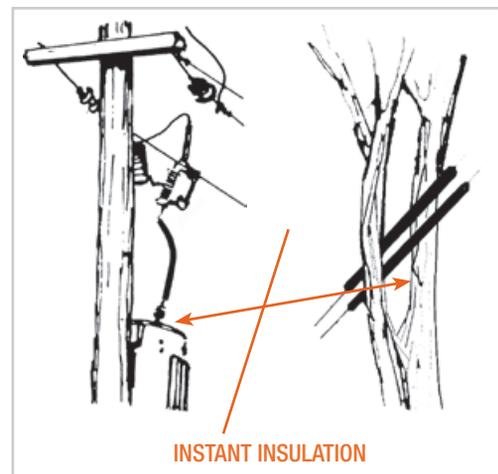
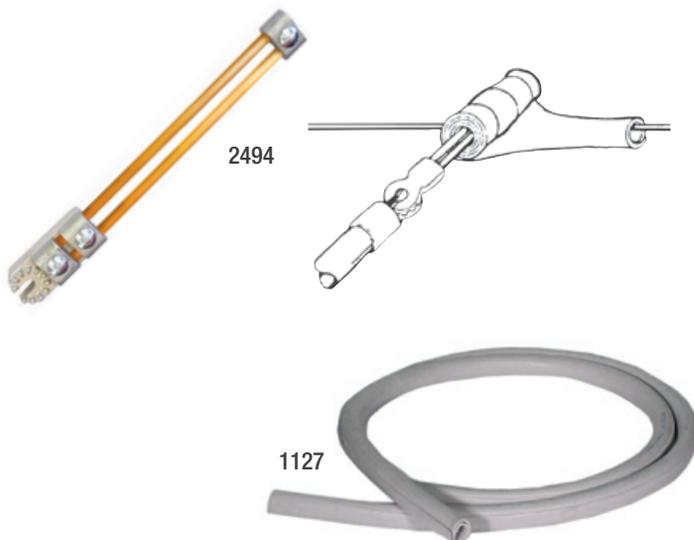
Instant Insulation can be installed using the **2494 APPLICATOR**. To install, insert one end of the Instant Insulation into the applicator prongs, then roll and coil the insulation as shown. Secure the coil end with tape, cable ties, or rubber bands. To install, release the secured end and the Instant Insulation will unroll and enclose the conductor.



NOTE: INSTANT INSULATION IS CURRENTLY RATED AT 20KV PER ASTM D1050 18.2 ELECTRICAL FLASHOVER TEST. MATERIAL DIELECTRIC STRENGTH IS OF 486 V/MIL. EFFECTIVE THICKNESS IS .15" TO .2" WHEN INSTALLED.

INSTANT INSULATION 12' / 3.6M LONG

| CAT NO. | DIMENSIONS | | FLASHOVER TEST | | LENGTH ft. (m) | COLOR | WEIGHT EA. lbs. kgs |
|---------|-------------------------------|---------|-------------------------|------------------------|-------------------|--------|------------------------|
| | in. | mm | PHASE TO GROUND (kV) | PHASE TO PHASE (kV) | | | |
| 1127 | .75 I.D. | 19 I.D. | 20 | 34.5 | 12 (3.6) | Grey | 7 (3.2) |
| 1128 | .75 I.D. | 19 I.D. | 20 | 34.5 | 12 (3.6) | Orange | 7 (3.2) |
| 1129 | 1.00 I.D. | 25 I.D. | 20 | 34.5 | 12 (3.6) | Grey | 8 (3.6) |
| 1130 | 1.00 I.D. | 25 I.D. | 20 | 34.5 | 12 (3.6) | Orange | 8 (3.6) |
| 1131 | 1.25 I.D. | 32 I.D. | 20 | 34.5 | 12 (3.6) | Grey | 10 (4.5) |
| 1132 | 1.25 I.D. | 32 I.D. | 20 | 34.5 | 12 (3.6) | Orange | 10 (4.5) |
| 2494 | Universal Hotstick Applicator | | | | 1 (.5) | | |



HARD HATS & FACE SHIELDS



HARD HATS & FACE SHIELDS



Salisbury's hard hats, face shields and accessories provide comfortable and dependable head and face protection users will want to wear; featuring stylish, light weight shell designs, suspension height adjustment and comfort padding. Our ratchet adjustment suspensions all make use of the natural shape of the head to create a firm yet comfortable fit, providing workers with superior comfort all day long. Greater compliance and worker safety in head protection is an active part of our ongoing commitment to quality, innovation and the enhancement of safety in the workplace.



SA49R01



SA49R03



SA79R01



SA79R02



SA79R03

Salisbury's **FULL BRIM HDPE HARD HAT** provides protection from the sun's harmful UV rays, rain, and falling debris. Ideal for utilities and other demanding environments. Accessory slots make this the first full brim hard hat to accept face and hearing protection accessories for the available protection. Choice of high quality suspension designed for comfort, with forehead comfort band and crown pad, 2-level height adjustment and with ratchet size adjustment.

Salisbury's **SA79R01** & **SA79R03** offer a versatile and dependable design, with grooved HDPE outer shell, rain trough and accessory slots. Features 4-point, Nylon web or plastic suspension, with ratchet size adjustment. All suspension choices feature 3-level height adjustment.

4-POINT RATCHETING REPLACEMENT NYLON SUSPENSION



**IMPORTANT - Please add the color code to the end of hard hat #
(EX:SA79R01 - White ANSI Type I, dielectric front brim hard hat w/quick-fit 4-Point suspension)*

| Color Codes | Stock Colors |
|-------------|--------------|
| 01 | White |
| 02 | Yellow |
| 03 | Orange |

| CAT. NO. | DESCRIPTION | SHELL | WEIGHT EA. lbs. (kgs) |
|----------|---|-------|--------------------------|
| SA49R01 | Full Brim White 6-Point Nylon Suspension | HDPE | 5.4 oz. (kg) |
| SA49R02 | Full Brim Yellow 6-Point Nylon Suspension | HDPE | 15.4 oz. (kg) |
| SA49R03 | Full Brim Orange 6-Point Nylon Suspension | HDPE | 15.4 oz. (kg) |
| SA79R01 | Peak White 4-Point Nylon Suspension | HDPE | 11.6 oz. (kg) |
| SA79R02 | Peak Yellow 4-Point Nylon Suspension | HDPE | 11.6 oz. (kg) |
| SA79R03 | Peak Orange 4-Point Nylon Suspension | HDPE | 11.6 oz. (kg) |

PROTECTIVE FACE SHIELDS

INTRODUCING THE NEXT GENERATION IN ARC FLASH HEAD PROTECTION. Salisbury's revolutionary 40 cal/cm² Lift Front Hood (LFH40) combines our award winning weight balancing face shield and a transparent chin guard with the standard hood. Lift Front Hood's wider face shield and transparent chin guard more than doubles the vertical peripheral vision of a standard hood.

Salisbury by Honeywell's NEW revolutionary **AS2000HAT** is a Weight Balancing Arc Flash Protection Face Shield. The shield stows in a balanced, compact position and is centered over the top of the hard hat when not in use. The AS2000HAT has an ATPV rating of 20 cal/cm² and utilizes nanotechnology to provide a clearer, more transparent window for improved visibility.

The **AS1200HAT** has an ATPV rating of 12 cal/cm² and utilizes nanotechnology to provide a more transparent window for improved visibility. The shield/window is designed to be easily replaced without tools.

AS1200 SERIES

- 7.5" x 20" Viewing area
- Extra light tint
- .06" Thick
- Absorbs >99.9% of harmful UV radiation
- Resistant to fogging
- Meets current ANSI Z87.1 and is CSA standard compliant
- Tested to ASTM F2178 specifications

| CAT. NO. | DESCRIPTION |
|---------------|---|
| LFH40PLT | NEW 40 cal, Premium light Weight, 2 layers, 5 oz/yd ² over 6.32 oz/yd ² arc flash protection hood w/SA79R03 hard hat |
| LFH40 | NEW 40 cal, 2 layers, 9oz/yd ² over 9oz/yd ² arc flash protection hood w/SA79R03 hard hat |
| AS2000HAT | NEW 20 cal/cm ² , arc flash protection face shield unit w/SA79R03 hard hat |
| AS2000HAT-CLR | NEW AS2000HAT w/ transparent chin guard |
| AS2000 | NEW 20 cal/cm ² , arc flash protection face shield unit |
| AS2000FS | NEW Replacement face shield/window |
| AS2000FB | 20 cal/cm ² , Universal fit, arc flash protection face shield unit for full brim hard hats |
| AS1200HAT | 12 cal/cm ² weight balancing arc flash protection face shield unit w/SA79R03 hard hat |
| AS1200HAT-CLR | 12 cal/cm ² , AS1200HAT w/ transparent chin guard |
| AS1200 | 12 cal/cm ² , weight balancing arc flash protection face shield unit |
| AS1200FB | 12 cal/cm ² , Universal fit, arc flash protection face shield unit for full brim hard hats |
| AS1200U | 12 cal/cm ² , Universal fit, arc flash protection face shield unit for front brim hard hats |
| AS12CLR-FB | Transparent chin guard for AS1200 series front brim. |
| AS1200FS-FB | 12 cal/cm ² , Replacement face shield/window for AS1200FB full brim |
| AS1200FS | 12 cal/cm ² replacement face shield/window for AS1200 series |
| FLKIT | Attachable task light (1) & FLCLIP |



LFH40PLT
w/ FLKIT



LFH40 w/ FLKIT



AS2000



AS2000HAT-CLR



AS1200HAT



AS1200-CLR



AS2000FB



AS1200FB with
SA49R01 & FLKIT



NOTE: IN ORDER TO ACHIEVE 360 DEGREE 20 CAL/CM² PROTECTION, A 20 CAL/CM² BALACLAVA MUST BE WORN.
NFPA 70E: AN ARC RATED HOOD SHALL BE USED WHEN THE ANTICIPATED INCIDENT ENERGY EXPOSURE EXCEEDS 12 CAL/CM².

DIELECTRIC FOOTWEAR



DIELECTRIC FOOTWEAR

FAQ

Q: What are the benefits of ASTM Dielectric Footwear?

A: ASTM Dielectric Footwear protects ground workers from step and touch potential in the whole work zone, not just one confined work area, like a grounding mat.

ASTM Dielectric Footwear can help reduce the amount of electrical workers in a work area since they are not confined.

ASTM Dielectric Footwear allows personnel to safely mount and dismount equipment in the work zone.

ASTM Dielectric Footwear allows personnel to safely retrieve material from truck bins.

ASTM & CE DIELECTRIC FOOTWEAR

DEEP HEEL OVERSHOES - 100% TESTED TO 20KV



21405CE



21405



21406



51511



BOB SOLE



51512



51509



51508



51512 CE



51511 CE

ASTM DIELECTRIC FOOTWEAR provides extra safety when climbing ladders and poles where the deep heel cavity can lock onto the rungs. These boots and overshoes are 100% waterproof and made from premium grade ozone resistant natural rubber. The construction is hand-layered in full-cut patterns to fit over work boots. The fabric lining makes them easy to get on and off. The dielectric footwear sole has a durable construction with a non-skid bar tread outsole.

All of Salisbury's ASTM Dielectric Footwear conforms with ASTM F1117 and all are 100% TESTED to the electrical hazard requirements of ASTM F1116 at 20,000 volts.

ASTM Dielectric Footwear comes in four styles all with pole-climbing reinforcement patch. The **OVERSHOE** is available without buckles or with two buckles. The **OVERBOOT** with adjustable side strap features a 14" height or a 17" height. The attached buckle and hardware is nonmetallic.

IMPROVED OVERSHOES - Salisbury now offers improved 51511 non-buckle overshoe and 51512 2-Buckle overshoe. The improved overshoes includes a sole with aggressive tread for better traction. The deep heel and improved arch are specially designed for climbing ladders comfortably. The wider opening allows for easier on/off.

| CAT. NO. | DESCRIPTION | SIZES | WEIGHT PR. lbs. (Kgs) |
|----------|------------------------|--------------------|-----------------------|
| 21405* | 17", 1 Buckle Overboot | Whole Sizes 7 - 16 | 5.8 (2.6) |
| 21406 * | 14" 1 Buckle Overboot | Whole Sizes 7 - 17 | 5.0 (2.3) |
| 51508 | Non-Buckle Overshoe | Whole Sizes 7 - 17 | 3.3 (1.5) |
| 51509 | 2 Buckle Overshoe | Whole Sizes 7 - 17 | 4.4 (2) |

BOB SOLE OVERSHOES

| | | | |
|--------|--------------------------------|--------------------|-------------|
| 51511* | Bob Sole - Non-Buckle Overshoe | Whole Sizes 7 - 16 | 3.3 (1.5) |
| 51512* | Bob Sole - 2 Buckle Overshoe | Whole Sizes 7 - 16 | 4.4 (2) |

* CE CERTIFIED FOOTWEAR

NOTE: When ordering, add size as suffix to part number. Be sure to add a space between the part number and size.

EXAMPLE: 51511 7, for CE Certified footwear 21406CE 10

Protective Rubber Equipment Labeling Chart

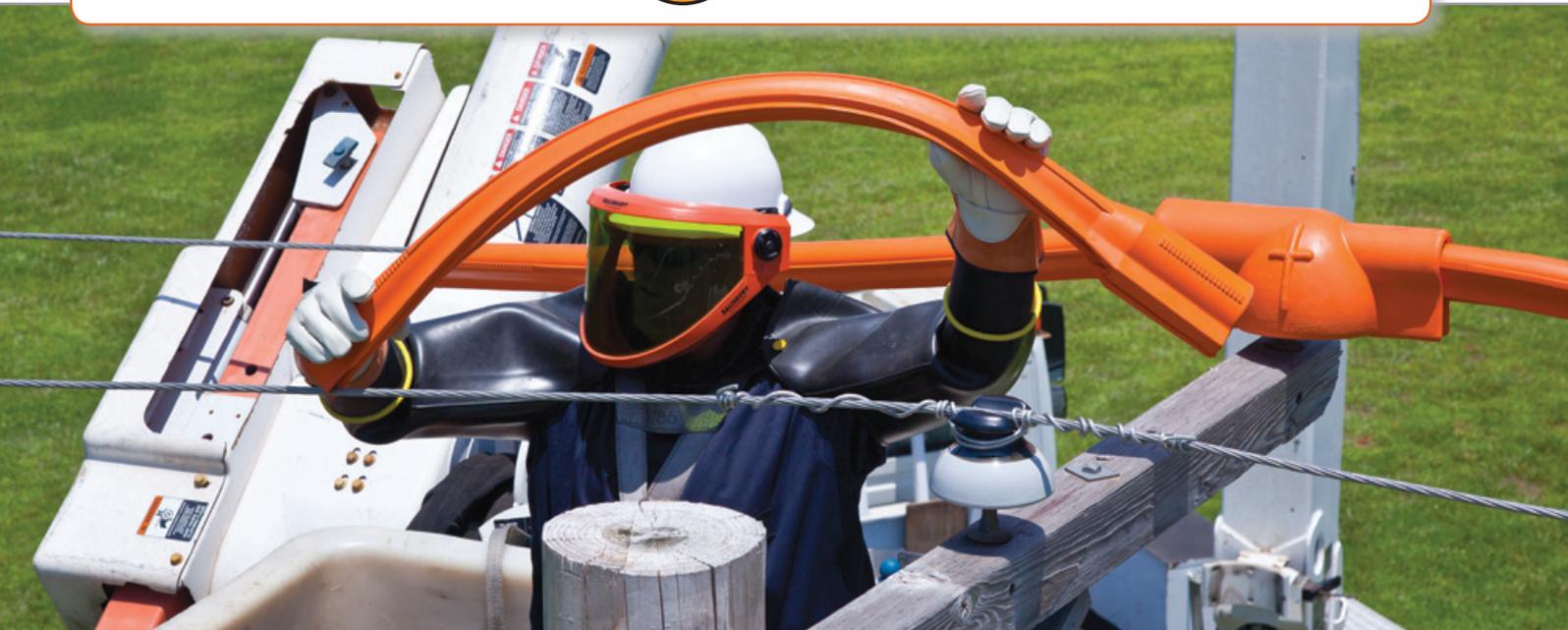
for Salisbury Natural Rubber and SALCOR® Rubber Protective Equipment

Rubber insulating gloves are available in six ASTM defined voltage classes. Rubber dipped sleeves are available in Class 0 through 4. The chart below identifies the class, proof test voltage and maximum allowable exposure voltage.

* Max. Use Voltage when worn with leather protectors.

Insulating Gloves and Sleeves must have a color coded label to meet appropriate ASTM Specifications.

| Class Color | Proof Test Voltage AC / DC | Max. Use Voltage* AC / DC | Rubber Molded Products Label | Insulating Rubber Glove Label | Insulating Rubber Dipped Sleeve Label |
|--------------------|----------------------------|---------------------------|------------------------------|-------------------------------|---------------------------------------|
| 00 Beige | 2,500 / 10,000 | 500 / 750 | | | |
| 0 Red | 5,000 / 20,000 | 1,000 / 1,500 | | | |
| 1 White | 10,000 / 40,000 | 7,500 / 11,250 | | | |
| 2 Yellow | 20,000 / 50,000 | 17,000 / 25,500 | | | |
| 3 Green | 30,000 / 60,000 | 26,500 / 39,750 | | | |
| 4 Orange | 40,000 / 70,000 | 36,000 / 54,000 | | | |



INSULATED JUMPERS



INSULATED JUMPERS



FAQ

Q: What are the benefits of the Sure-lok® Jumper clamp?

A: The Salisbury Sure-lok® Jumper clamp is an improvement over other jumper clamps available. The Sure-lok® features a ratchet-type locking mechanism which guarantees the clamp not to loosen once it is installed on a line.

Loose jumper clamps not only jeopardize your safety but can also cause fires and power outages. Even when torqued using wrenches or pliers, traditional clamps will eventually loosen from line vibrations. This clamp tightens with a ratchet action using one hand, with no extra tools, for a secure and positive connection. When you want to loosen or remove the jumper clamp, simply pull and turn the locking knob and it will loosen like a traditional clamp.

SALISBURY ADVANTAGE

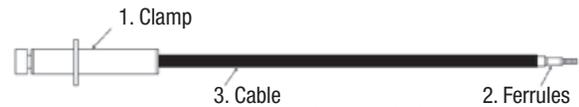
Insulated bypass jumper sets consist of three basic components: one pair of clamps, one pair of ferrules and a length of insulated cable. On the following pages, the most popular jumper sets are listed with the types of jumper clamps in which they are associated. When a custom jumper is required, follow this procedure to ensure that a complete and functional jumper is specified.

If you quickly need assembled jumper sets, please contact your local Salisbury Representative for more information.

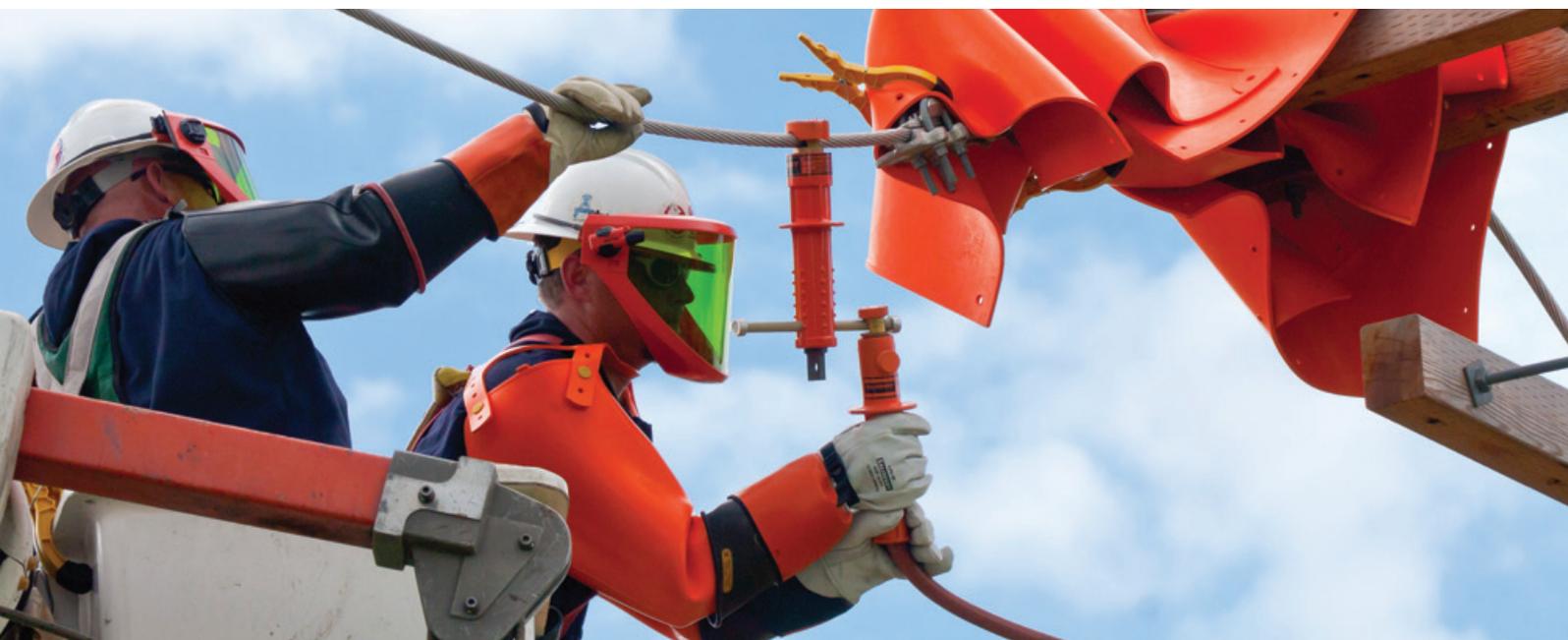
Let Salisbury professionally assemble your sets for you.

All Salisbury Insulating Jumpers meet ASTM F2321 standards.

INSULATED JUMPER CHECKLIST



1. Specify the style of insulated clamps. All of the clamps are hand installed wearing rubber insulating gloves, except either shrouded or unshrouded ferrules and accept insulated cable up to 4/0, 35 kV. Insulated jumper clamps are sold in pairs.
2. Specify the size and length of insulated cable. Salisbury offers 15 kV cable from #2 to 4/0. 25 kV and 35 kV cable are both available in sizes 1/0 and 2/0. Be sure to specify the length of the cable chosen.
3. Specify the size and style of ferrules required. The size of the ferrule will be determined by the size of the cable. Specify the appropriate ferrule catalog number for either shrouded or unshrouded ferrules. Both types are sold in pairs.
4. Specify if the jumpers are to be factory assembled. A complete jumper set with crimped ferrules and installed jumper clamps will be supplied. Salisbury has state-of-the-art, computer-controlled crimping available.
5. Specify if there are any special requirements. This could include heat shrink tubing, special assembly instructions, markings, packaging, etc.



SURE-LOK® JUMPER CLAMPS & SALCOR® INSULATED JUMPER CLAMPS

THE SALISBURY SURE-LOK® JUMPER CLAMP is a revolutionary improvement over any other jumper clamp in the world. Featuring a ratchet type locking mechanism.

Loose jumper clamps not only jeopardize your safety but can also cause fires and power outages. This clamp tightens with a ratchet action using one hand, with no extra tools for a secure, positive connection. It can't come loose until you want it to. Pull and turn the locking knob and it loosens like any traditional clamp.

Available in our exclusive SALCOR® material and the industry's most durable single piece clear plastic jumper clamps.

SALCOR® JUMPER CLAMPS are available in two main line sizes with a maximum use voltage of 35 kV.

The **SALCOR® JUMPER CLAMP** not only provides a superior grip, but also resists ozone cutting and tracking. Being molded of rubber, these handles are inherently impact resistant and extremely durable. The body and jaw are made from a copper base alloy. The lower ring contact is made of self lubricating bronze. Assemble jumpers with insulated jumper cable and 5/8"- 11 NC threaded ferrules. Assembled kits are sold with a 10 ft. (3 m) cable and unshrouded ferrules.

Custom built assemblies are available. Contact your local Salisbury Representative for more information.



| CAT. NO. | DESCRIPTION | MAIN LINE RANGE | MAX AMPS CONTINUOUS | RATING | OAL LENGTH in. (mm) | WEIGHT EA. lbs. (kgs) |
|----------|--------------------------------------|-----------------------|---------------------|------------------------|---------------------|-----------------------|
| 2261 | SALCOR® Sure-lok® Jumper Clamp | 477 MCM (.9"-.162") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11.5 (292 mm) | 10 (4.5) |
| 2271 | SALCOR® Sure-lok® Jumper Clamp | 954 MCM (1.25"-.162") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11.5 (292 mm) | 11 (5) |
| 1786 | Clear Plastic Sure-lok® Jumper Clamp | 477 MCM (.9"-.162") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11.5 (292 mm) | 8 (3.6) |
| 2116 | Clear Plastic Sure-lok® Jumper Clamp | 954 MCM (1.25"-.162") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11.5 (292 mm) | 10 (4.5) |
| 2260 | SALCOR® Jumper Clamp | 477 MCM (.9"-.162") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11.5 (292 mm) | 10 (4.5) |
| 2270 | SALCOR® Jumper Clamp | 954 MCM (1.25"-.162") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11.5 (292 mm) | 11 (5) |

10 FT. / 3M ASSEMBLED JUMPER SETS WITH UNSHROUDED FERRULES

| JUMPER CAT. NO. | CABLE SIZE | CABLE CAT. NO. | FERRULE CAT. NO. | MAX AMPS CONTINUOUS | WEIGHT EA. lbs. (kgs) |
|---|------------|----------------|------------------|---------------------|-----------------------|
| 10FT./3M ASSEMBLED JUMPER SET WITH 2260 CLAMPS | | | | | |
| 2264 | #2-15 kV | 2754 | 2022 | 200 | 10.9 (4.9) |
| 2265 | 1/0-15 kV | 2755 | 2023 | 250 | 13.5 (6.1) |
| 2266 | 2/0-15 kV | 2756 | 2024 | 300 | 14.8 (6.8) |
| 10FT./3M ASSEMBLED JUMPER SET WITH 2270 CLAMPS | | | | | |
| 2274 | #2-15 kV | 2754 | 2022 | 200 | 11.9 (5.4) |
| 2275 | 1/0-15 kV | 2755 | 2023 | 250 | 14.6 (6.8) |
| 2276 | 2/0-15 kV | 2756 | 2024 | 300 | 15.9 (7.2) |

CLEAR PLASTIC & FRP INSULATED JUMPER CLAMPS



SALISBURY'S SUPERIOR STRESS CRACKING-RESISTANT CLEAR JUMPER CLAMPS are available in two main line sizes with a maximum use voltage of 35 kV. Assemble these clamps with insulated jumper cable and 5/8" - 11 NC threaded ferrules.

CLEAR PLASTIC JUMPER CLAMPS are compact, lightweight, and virtually unbreakable. The transparency allows easy inspection of the ferrule and cable inside of the handle. The body and jaw are made from a copper base alloy. The lower floating ring contact is bronze. These handles should be cleaned only with a mild detergent to maintain the transparency of the handle. Assembled kits are sold with a 10 ft. (3 m) cable and unshrouded ferrules.

FRP JUMPER CLAMPS are designed for maximum loads, voltages and cables. During a temperature rise test at 25% overload, these clamps heated 35% less than 4/0 cu. cable. Blunted points on the handle provide optimum grip, resist impact and will not soften with overloads. The body and jaw are made from a copper based alloy. The lower jaw is made of self lubricating bronze. The assembled jumpers are sold with a 10 ft. (3 m) or 12 ft. (3.7 m) cable and unshrouded ferrules.

Custom built assemblies are available. Contact your local Salisbury Representative for more information.

| CAT. NO. | DESCRIPTION | MAIN LINE RANGE | MAX AMPS CONTINUOUS | RATING | OAL LENGTH in. (mm) | WEIGHT EA. lbs. (kgs) |
|----------|----------------------------|-----------------------|---------------------|------------------------|---------------------|-----------------------|
| 1610 | FRP Jumper Clamp | 954 MCM (1.25"-1.62") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11 (279) | 14 (6.4) |
| 1785 | Clear Plastic Jumper Clamp | 477 MCM (.9"-1.62") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11.5 (292) | 8 (3.6) |
| 2115 | Clear Plastic Jumper Clamp | 954 MCM (1.25"-1.62") | 400 | 36 kV Ø-Ø, 21 kV Ø-GRD | 11.5 (292) | 10 (4.5) |

10 FT. / 3M ASSEMBLED JUMPER SETS WITH UNSHROUDED FERRULES

| JUMPER CAT. NO. | CABLE SIZE | CABLE CAT. NO. | FERRULE CAT. NO. | MAX AMPS CONTINUOUS | WEIGHT EA. lbs. (kgs) |
|---|------------|----------------|------------------|---------------------|-----------------------|
| 10FT./3M ASSEMBLED JUMPER SET WITH 1785 CLAMPS | | | | | |
| 2067 | #2-15 kV | 2754 | 2022 | 200 | 9.9 (4.5) |
| 2178 | 2/0-15 kV | 2756 | 2024 | 300 | 13.9 (6.3) |
| 10FT./3M ASSEMBLED JUMPER SET WITH 2115 CLAMPS | | | | | |
| 2074R1 | #2-15 kV | 2754 | 2022 | 200 | 10.9 (4.9) |
| 2164 | 2/0-15 kV | 2756 | 2024 | 300 | 14.8 (6.8) |
| 2174R1 | 1/0-15 kV | 2755 | 2023 | 250 | 16.8 (7.6) |

ASSEMBLED JUMPER SETS WITH UNSHROUDED FERRULES

| JUMPER CAT. NO. | CABLE LENGTH | CABLE SIZE | CABLE CAT. NO. | FERRULE CAT. NO. | MAX AMPS CONTINUOUS | WEIGHT EA. lbs. (kgs) |
|---|--------------|------------|----------------|------------------|---------------------|-----------------------|
| 10FT./3M ASSEMBLED JUMPER SET WITH 1610 CLAMPS | | | | | | |
| 2772 | 10' | 2/0-15kV | 2756 | 2024 | 300 | 5.8 (2.9) |
| 2773 | 10' | 4/0-15kV | 2757 | 2025 | 400 | 20.3 (9.2) |
| 2450 | 10' | 1/0-15kV | 2755 | 2023 | 250 | 15 (6.8) |
| 2066 | 12' | 1/0-35kV | 2059 | 2023 | 250 | 20.3 (9.2) |
| 20876 | 12' | 2/0-35kV | 4370 | 2024 | 300 | 21.5 (9.8) |

FLEXIBLE INSULATED JUMPER CABLES, STICK INSTALLED FLEXIBLE JUMPERS & FERRULES

FLEXIBLE INSULATED JUMPER CABLES are lightweight and resistant to oil, heat, moisture, ozone and abrasion. The cable is embossed every three feet with the conductor size and kV rating.

All jumper cables use fine stranded conductor and a new EPR low temperature unipass orange CV cured jacket. The fine stranded copper conductor is alloy coated and assembled in a unidirectional rope lay for extra flexibility. The conductor has a semiconducting shield surrounding it to relieve voltage stress and improve dielectric strength and service life.

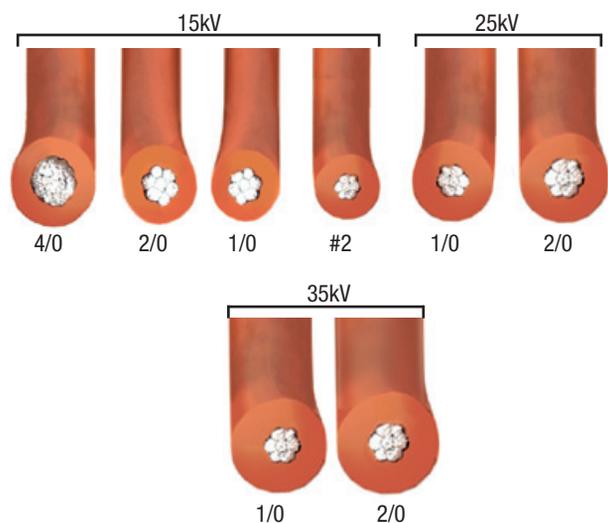
Cable meets requirements of ASTM F2321.

STICK INSTALLED FLEXIBLE JUMPERS can be manufactured for hotstick operations using Salisbury heavy-duty eye clamps. Clamps are rated for continuous current and fit all standard shotgun type hotsticks. For ease of application, a Hanger Stud is recommended. Shrouded ferrules are not recommended for use with eye type clamps.

Custom built assemblies are available. Contact your local Salisbury Representative for more information.

FERRULES are manufactured in two different styles: unshrouded and shrouded. Shrouded ferrules are compressed on both the conductor and the insulating jacket of the high voltage EPR cable to reduce bending stress. Shrouded ferrules are designed to be used on glove-installed high voltage jumpers. Unshrouded ferrules are crimped to the conductor strands only and can be used on either stick- or glove-installed jumpers.

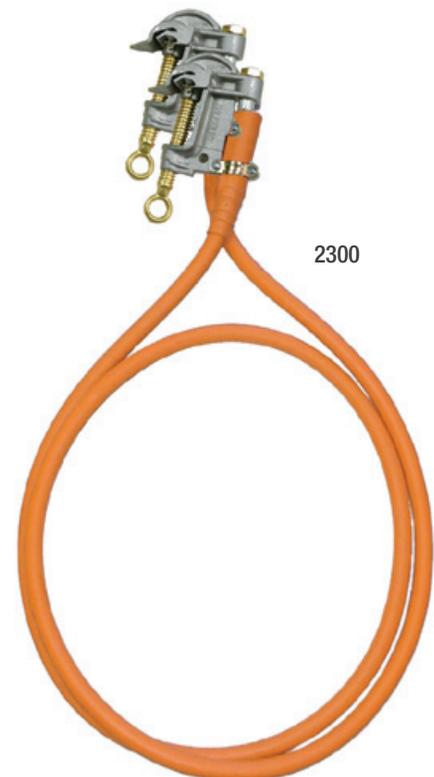
FERRULES are manufactured of 99.5% pure copper with industry standard 5/8"-11 NC threads. Ferrules are topped with a brass hex jam nut and toothed stainless steel lockwasher.



unshrouded



shrouded



2300

FLEXIBLE INSULATED JUMPER CABLES, STICK INSTALLED FLEXIBLE JUMPERS & FERRULES

| FLEXIBLE INSULATED JUMPER CABLES | | | | | | | | |
|----------------------------------|-------------|-----------|----------|-------------|-------------|------------|---------------------|-----|
| CAT. NO. | SIZE & STR. | KV RATING | NOMINAL | STR. DIA. | O.A. DIA. | MAX AMPS | WEIGHT PER 1000 FT. | |
| | AWG | Ø TO Ø | Ø TO GRD | in. (mm) | in. (mm) | CONTINUOUS | lbs. | kgs |
| 2754 | #2-259W | 15 | 10 | .320 (8.1) | .75 (19) | 200 | 440 | 199 |
| 2755 | 1/0-413W | 15 | 10 | .403 (10.2) | .83 (21) | 250 | 600 | 272 |
| 2756 | 2/0-427W | 15 | 10 | .456 (11.5) | .90 (23) | 300 | 710 | 322 |
| 2757 | 4/0-437W | 15 | 10 | .592 (15.0) | 1.01 (25.6) | 400 | 1050 | 476 |
| 21300 | 1/0-413W | 25 | 15 | .403 (10.2) | 1.06 (27) | 250 | 650 | 295 |
| 21060 | 2/0-427W | 25 | 15 | .456 (11.5) | 1.10 (28) | 300 | 750 | 341 |
| 2059 | 1/0-413W | 35 | 20 | .403 (10.2) | 1.22 (31) | 250 | 950 | 431 |
| 4370 | 2/0-427W | 35 | 20 | .48 (12.1) | 1.31 (33.1) | 300 | 1060 | 482 |

| STICK INSTALLED FLEXIBLE JUMPERS | | | | | | |
|----------------------------------|------------------------------------|---------------------|--|-----------|------------|--|
| CAT. NO. | MAIN LINE RANGE | MAX AMPS CONTINUOUS | COMPONENTS | RATING | WEIGHT EA. | |
| | | | | | lbs. (kgs) | |
| 2300 | 1431 ACSR to #6 Sol., 1.5" - .16" | 250 | 2#1895 Alum "C" Clamp 1#1928 Hanger Stud 1#2027 Alum Ferrule 10' #2755 1/0 15 kV Cable | 15 kV Ø-Ø | 16 (7.3) | |
| 2308 | 1431 ACSR to #6 Sol., 1.5" - .16" | 200 | 2#1895 Alum "C" Clamp 1#1928 Hanger Stud 1#2026 Alum Ferrule 12' #2754 #2 15 kV Cable | 15 kV Ø-Ø | 10.8 (4.9) | |
| 2317 | 1431 ACSR to #6 Sol., 1.5" - .16" | 250 | 2#2195 Alum "C" Clamp 1#1928 Hanger Stud 1#2027 Alum Ferrule 12' #2059 1/0 35 kV Cable | 35 kV Ø-Ø | 16 (7.3) | |
| 2318 | 1431 ACSR to #6 Sol., 1.5" - .16" | 300 | 2#1895 Alum "C" Clamp 1#1928 Hanger Stud 1#2620 Alum Ferrule 12' #2756 2/0 15 kV Cable | 15 kV Ø-Ø | 15.6 (7.1) | |
| 2559 | 1033 ASCR to #6 Sol., 1.25" - .16" | 250 | 2#1853 Alum Duckbill Clamp 1#1858 Hanger Stud 1#2027 Alum Ferrule 10' #2755 1/0 15 kV Cable | 15 kV Ø-Ø | 16 (7.3) | |
| 2877 | 795 ASCR to #8 Sol., 1.12" - .12" | 250 | 2#2531 Alum "C" Clamp 1#2537 Hanger Stud 1#2027 Alum Ferrule 10' #2755 1/0 15 kV Cable | 15 kV Ø-Ø | 11 (5.0) | |
| 9976 | 795 ASCR to #8 Sol., 1.12" - .12" | 250 | 2#9985 Brnz "C" Clamp 1#9983 Hanger Stud 1#2023 Cu Ferrule 10' #2755 1/0 15 kV Cable | 15 kV Ø-Ø | 12 (5.4) | |
| 9977 | 795 ASCR to #8 Sol., 1.12" - .12" | 250 | 2#2937 Brnz "C" Clamp 1#9983 Hanger Stud 1#2023 Cu Ferrule 10' #2059 1/0 35 kV Cable | 35 kV Ø-Ø | 12.5 (5.6) | |

| FERRULES | | | | | |
|--------------------------------|---------------|----------------------|----------------------|-------------------|----------------------------|
| CAT. NO. | CABLE SIZE | STRAND DIE CODES T&B | JACKET DIE CODES T&B | BURNDY DIE NUMBER | WEIGHT EA. PAIR lbs. (kgs) |
| SHROUDED | | | | | |
| 2012 | #2-15 kV ERP | 66 | 106 | - | 1.2 (.5) |
| 2013 | 1/0-15 kV ERP | 66 | 106 | - | 1.2 (.5) |
| 2014 | 2/0-15 kV ERP | 66 | 106 | - | 1.1 (.5) |
| 2015 | 4/0-15 kV ERP | 66 | 106 | - | 0.9 (.4) |
| 21353 | 1/0-25 kV | 66 | 112 | - | 1.1 (.5) |
| 21354 | 2/0-25 kV | 66 | 112 | - | 1.1 (.5) |
| 21356 | 2/0-35 kV | 66 | 125 | - | 1.1 (.5) |
| UNSHROUDED - TIN PLATED | | | | | |
| 2022 | #2 | 50 | - | U243 | 0.5 (.2) |
| 2023 | 1/0 | 50 | - | U243 | 0.4 (.2) |
| 2024 | 2/0 | 60 | - | U245 | 0.4 (.2) |
| 2025 | 4/0 | 66 | - | U247 | 0.6 (.3) |

INSULATED JUMPER CLAMPS ACCESSORIES

STIRRUP CLAMPS are used to convert a hand installed jumper into a stick installed jumper. The stirrup is designed to accept all conventional jumper heads.

The **HOT JUMPER PARKING STAND** safely holds either glove or stick installed hot bypass jumpers. This insulated tool removes the risk of accidental contact with the uninstalled end of an energized jumper. Installs by hand using rubber insulating gloves or with a standard shotgun stick. The fiberglass jumper hanger bar will accommodate standard size mechanical jumper heads.

The **CONNECTOR LINK** connects two insulated jumpers to create a longer jumper length. After the two clamps are connected to the link, the assembly can be wrapped with a small rubber insulating blanket.



21132RG



Parking Stand Installation with Shotgun Stick



4245



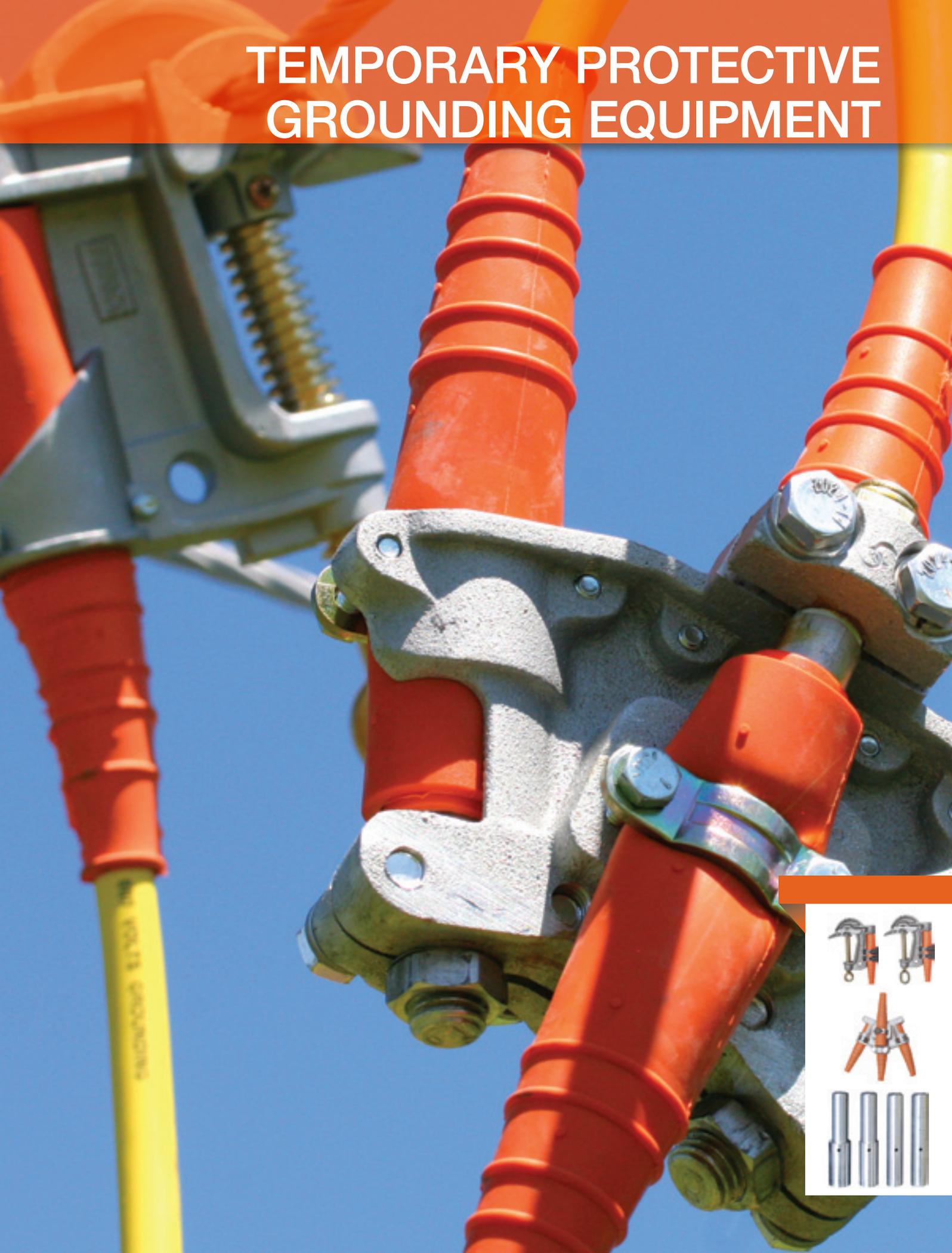
2750

INSULATED JUMPER CLAMPS ACCESSORIES

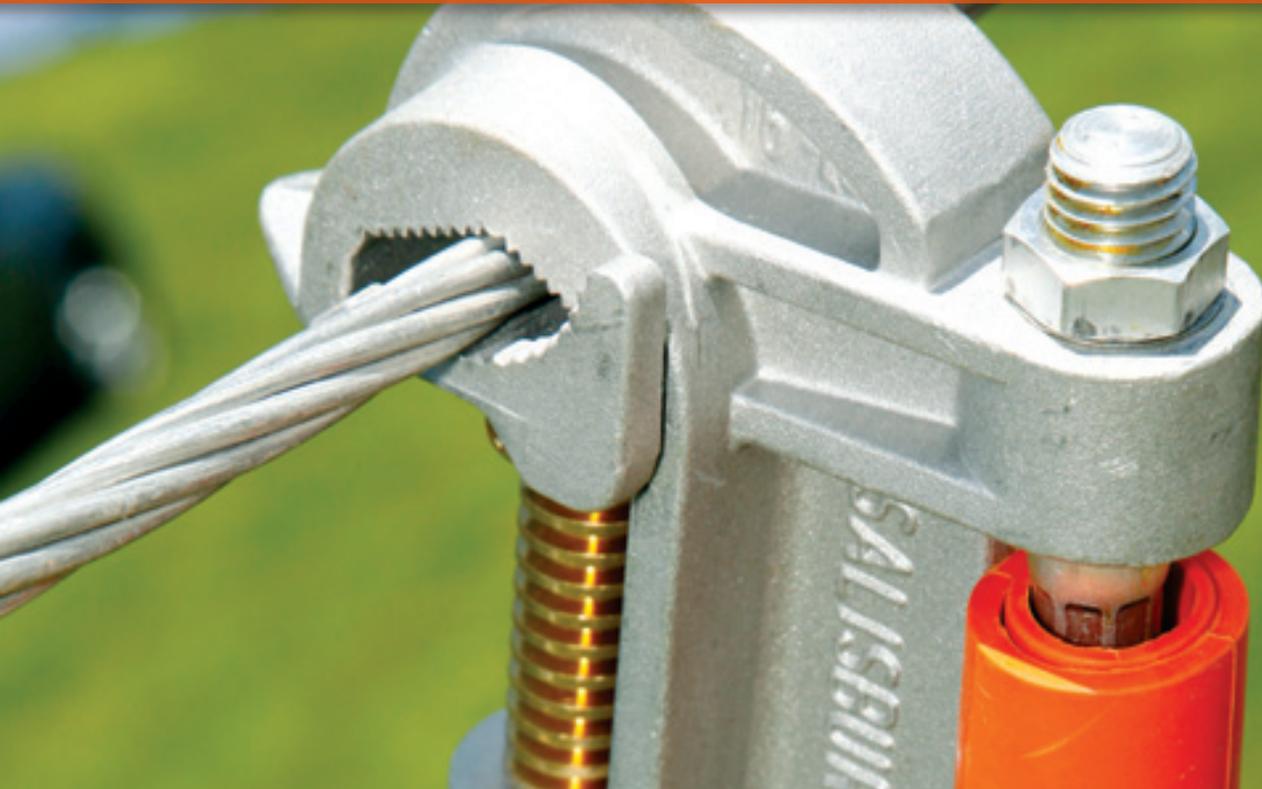
| CAT. NO. | MAIN LINE RANGE | DESCRIPTION | MAX. AMPS CONTINUOUS | WEIGHT EA. lbs. (kgs) |
|----------|--|-------------------------------|----------------------|-----------------------|
| 2750 | -- | Connector Link | 400 | .3 (.1) |
| 21132RG | 1033 MCM ASCR to #6 Sol., 1.25"-.16" (32-4.1mm) | Hot Jumper Stirrup Clamp | 400 | 3.0 (1.4) |
| 4245 | 954 MCM ASCR to #6 Sol., 1.14"-.16" (29- 4.1 mm) | Parking Stand for Hot Jumpers | n / a | 3.5 (1.6) |



TEMPORARY PROTECTIVE GROUNDING EQUIPMENT



TEMPORARY PROTECTIVE GROUNDING EQUIPMENT



NOTE:

When ordering assemblies of grounding products, please make sure all items included in the assembly are only from the product line found within this section. Including items from other grounding equipment sections of this book will add additional shipping time.

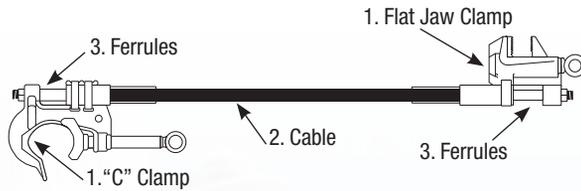
Grounding Configurator™

The Grounding Configurator™ makes ordering grounding equipment simple and easy. This interactive web tool allows you to easily build the proper temporary grounding equipment for your specific needs. The step by step process takes out the guess work, and makes it easy to change components until the most appropriate ground set is developed.



Just go to our web site www.salisburybyhoneywell.com and give it a try. You will be prompted from start to finish. All you need to know is the maximum fault current, its duration and the size of cable required on the fault, and the configurator will do the rest. No more second guessing quantities or parts to be sure that you have put together a ground set that will function just as you expect. When you finish, enter your personal information and the configurator will instantly provide you with the bill of materials including part numbers. All that's left to do is to place the order!

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 copper or aluminum and shrouded or non-shrouded.

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.

Options also include a ground set label. These optional labels include the date of manufacture and are available upon request when ordering.



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. 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.

Salisbury by Honeywell is your complete source for grounding equipment and assemblies.

DUCK BILL GROUNDING CLAMPS

.96", 1.1" AND 1.66" SIZES



1853



21030



1793



21754



1855 - Stick Mounted Duck Bill Clamp.

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|----------|-------------------------|--------------------|-----------------|---------------------------|-----------------------|
|----------|-------------------------|--------------------|-----------------|---------------------------|-----------------------|

.96" SMOOTH JAW BRONZE DUCK BILL -- GRAVITY ACTUATED - "V" THREAD

| | | | | | |
|-------|---|-------|--|---------------------|----------|
| 1793 | Eye w/ strain relief sleeve, Smooth Jaw | 4 / A | 556 MCM ACSR to #6 .96" - .16" (24 mm - 4 mm) Dia. | 350 RMS Amps, 60 Hz | 1.3 (.6) |
| 21080 | Eye w/ strain relief sleeve, Smooth Jaw | 4 / A | | 350 RMS Amps, 60 Hz | 1.1 (.5) |
| 1797* | Mounted w/ strain relief sleeve, Smooth Jaw | 4 / A | | 350 RMS Amps, 60 Hz | 4.3 (2) |
| 2093 | Hanger Stud only | | | | .4 (.1) |

1.1" SMOOTH JAW ALUMINUM DUCK BILL -- SPRING LOADED - "V" THREAD

| | | | | | |
|--------|---|-------|--|---------------------|----------|
| 21030 | Eye w/ strain relief sleeve, Smooth Jaw | 5 / A | 795 MCM ACSR to #6 1.1" - .16" (28 mm - 4 mm) Dia. | 400 RMS Amps, 60 Hz | 1.1 (.5) |
| 21059 | Eye w/o strain relief sleeve, Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 1.0 (.5) |
| 21081* | Mounted w/ strain relief sleeve, Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 4.3 (2) |
| 21754 | Hanger Stud only | | | | .3 (.1) |

1.66" SERRATED JAW ALUMINUM DUCK BILL -- SPRING LOADED - "V" THREAD

| | | | | | |
|-------|--|-------|---|---------------------|-----------|
| 2553 | Eye w/o strain relief sleeve, Serrated Jaw | 5 / B | 1590 MCM ACSR to #6 1.66" - .16" (42 mm - 4 mm) Dia. | 400 RMS Amps, 60 Hz | 1.4 (.6) |
| 1855* | Eye w/ strain relief sleeve, Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 4.7 (2.1) |
| 21754 | Hanger Stud only | | | | .3 (.1) |

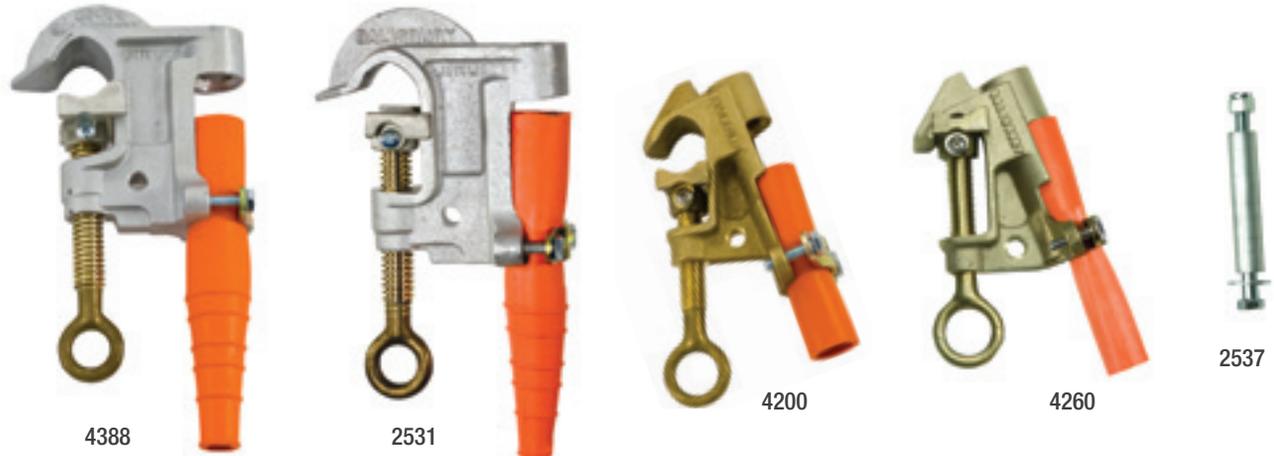
1.66" SERRATED JAW ALUMINUM DUCK BILL -- ACME THREAD

| | | | | | |
|------|---|-------|---|---------------------|----------|
| 1853 | Eye w/ strain relief sleeve, Serrated Jaw | 5 / B | 1590 MCM ACSR to #6 1.66" - .16" (42 mm - 4 mm) Dia. | 400 RMS Amps, 60 Hz | 1.5 (.7) |
|------|---|-------|---|---------------------|----------|

*Mounted 1.25" dia X 6' fiberglass hotstick permanently mounted.

"C" TYPE GROUNDING CLAMPS

.83" AND 1.12" SIZES



| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|---|---|--------------------|---|---------------------------|-----------------------|
| .83" BRONZE "C" CLAMP W/ CURVED LOWER JAW - "V" THREAD | | | | | |
| 4200 | Eye w/strain relief sleeve, Smooth Jaw | 5 / A | 477 MCM 18 x 1 ACSR to #8 .83" - .12" (21 mm - 3 mm) Dia. | 400 RMS Amps, 60 Hz | 1.1 (.5) |
| 21067 | Eye w/o strain relief sleeve, Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 1.0 (.4) |
| 4260 | Eye w/strain relief sleeve, Smooth Upper Jaw w/Curved Lower Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 1.1 (.5) |
| 21068 | Eye w/o strain relief sleeve, Smooth Upper Jaw w/Curved Lower Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 1.0 (.4) |
| 2093 | Hanger Stud only | | | | .4 (.2) |
| 1.12" ALUMINUM "C" CLAMP - ACME THREAD | | | | | |
| 2531 | Eye w/strain relief sleeve, Smooth Upper Jaw w/Flat Lower Jaw | 5 / A | 795 MCM 26 x 7 ACSR to #8 1.12" - .12" (29 mm - 3 mm) Dia. | 400 RMS Amps, 60 Hz | 1.1 (.5) |
| 2532 | Eye w/o strain relief sleeve Smooth Upper Jaw w/Flat Lower Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 1.1 (.5) |
| 2533* | Mounted w/ strain relief sleeve Smooth Upper Jaw w/Flat Lower Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 4.2 (19) |
| 4388 | Eye w/strain relief sleeve, Smooth Upper Jaw w/Curved Lower Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 1.5 (.7) |
| 4389 | Eye w/o strain relief sleeve, Smooth Upper Jaw w/Curved Lower Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 1.1 (.5) |
| 2537 | Hanger Stud only | | | 400 RMS Amps, 60 Hz | .2 (.1) |

*Mounted: 1.25" dia x 6' Fiberglass Hotstick permanently mounted

"C" TYPE GROUNDING CLAMPS

1.12" SIZES



9985



4187



9993



4242



2537

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|--|--|--------------------|---|---------------------------|-----------------------|
| 1.12" BRONZE "C" CLAMP - ACME THREAD | | | | | |
| 9985 | Eye, w/ strain relief sleeve, Smooth Jaw | 5 / A | 795 MCM 26" x 7" ACSR to #8 1.12" - .12" (29 mm - 3 mm) Dia. | 400 RMS Amps, 60 Hz | 1.9 (.9) |
| 2937 | Eye, w/o strain relief sleeve, Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 1.8 (.8) |
| 4280* | Mounted, w/ strain relief sleeve, Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 4.9 (2.2) |
| 4187 | Eye, w/ strain relief sleeve, Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 1.9 (.9) |
| 2537* | Aluminum Hanger Stud only | | | | .4 (.2) |
| 1.12" "T" / EYE "C" CLAMP - ACME THREAD | | | | | |
| 4242 | Bronze "T" w/ strain sleeve & "T", eye screw, Smooth Jaw | 5 / A | 795 MCM 26" x 7" ACSR to #6 1.12" - .16" (29 mm - 4 mm) Dia. | 400 RMS Amps, 60 Hz | 1.9 (.9) |
| 9993 | Aluminum "T" w/ strain sleeve & "T", eye screw, Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 1.9 (.9) |

* Mounted: 1.25" dia x 6' Fiberglass Hotstick permanently mounted

♦ Hanger Stud 2537 compatible with above clamp parts on this page only.

"C" TYPE GROUNDING CLAMPS

1.25" AND 1.5" SIZES



9984



24410



1895



21099



2195



9983

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|---|--|--------------------|--|---------------------------|-----------------------|
| 1.25" BRONZE "C" CLAMP - ACME THREAD | | | | | |
| 9984 | Eye, w/ strain relief sleeve Smooth Jaw w/ Flat Lower Jaw | 5 / A | 1035.5 MCM ACSR to #6 1.25" - .16" (32 mm - 4mm) Dia. | 400 RMS Amps, 60 Hz | 2.2 (1.0) |
| 1897 | Eye, w/o strain relief sleeve Smooth Jaw w/ Flat Lower Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 2.1 (.9) |
| 4255 | Eye, w/ strain relief sleeve Smooth Jaw w/ Curved Lower Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 2.2 (1.0) |
| 21069 | Eye, w/o strain relief sleeve Smooth Jaw w/ Flat Lower Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 2.1 (.9) |
| 4279 | Eye, w/ strain relief sleeve Serrated Jaw w/ Curved Lower Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 2.2 (1.0) |
| 21070 | Eye, w/o strain relief sleeve Serrated Jaw w/ Flat Lower Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 2.1 (.9) |
| 9983* | Brass Hanger Stud only | | | | .4 (.2) |
| 1.25" ALUMINUM "C" CLAMP - ACME THREAD | | | | | |
| 24410 | Eye, w/ strain relief sleeve Smooth Jaw w/ Flat Lower Jaw | 5 / A | 1035.5 MCM ACSR to #6 1.25" - .16" (32 mm - 4mm) Dia. | | 2.2 (1.0) |
| 1.5" ALUMINUM "C" CLAMP, W/ FLAT LOWER JAW - ACME THREAD | | | | | |
| 1895 | Eye, w/ strain relief sleeve, Serrated Jaw | 5 / B | 1431 MCM ACSR to #6 1.5" - .16" (38 mm - 4mm) Dia. | 400 RMS Amps, 60 Hz | 1.7 (.8) |
| 2195 | Eye, w/o strain relief sleeve, Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 1.5 (.7) |
| 1896* | Mounted, w/ strain relief sleeve, Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 4.8 (2.1) |
| 21099 | "T", w/ strain relief sleeve, Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 1.7 (.8) |
| 1928 | Hanger Stud only | | | | .2 (.1) |

* Mounted: 1.25" dia x 6' Fiberglass Hotstick permanently mounted

* Hanger Stud 9983 compatible with above clamps parts on this page only.

"C" TYPE GROUNDING CLAMPS

2" AND 2.4" SIZES



1924 - Stick Mounted "C" Type Clamp

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|--|---|--------------------|---|---------------------------|-----------------------|
| 2" ALUMINUM "C" CLAMP W/ CURVED LOWER JAW - ACME THREAD | | | | | |
| 21074 | Eye, w/ strain relief sleeve, Smooth Jaw | 5H / A | 3000 MCM ACSR to #6 2"-.16" (51 mm - 4 mm)Dia. | 400 RMS Amps, 60 Hz | 2.1 (1.0) |
| 21075 | Eye, w/o strain relief sleeve, Smooth Jaw | 5H / A | | 400 RMS Amps, 60 Hz | 2 (.9) |
| 20882 | Eye, w/ strain relief sleeve, Serrated Jaw | 5H / B | | 400 RMS Amps, 60 Hz | 2.1 (1.0) |
| 21077 | Eye, w/o strain relief sleeve, Serrated Jaw | 5H / B | | 400 RMS Amps, 60 Hz | 2 (.9) |
| 2.4" ALUMINUM "C" CLAMP W/ FLAT LOWER JAW - ACME THREAD | | | | | |
| 1923 | Eye, w/ strain relief sleeve, Smooth Jaw | 5 / A | 2.0" I.P.S. to #6 2.4" - .16" (61 mm - 4 mm) Dia. | 400 RMS Amps, 60 Hz | 2.1 (1.0) |
| 4377 | Oval Eye, w/ strain relief sleeve, Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 2.1 (1.0) |
| 4240 | Eye, w/o strain relief sleeve, Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 2.0 (1.0) |
| 1924* | Mounted, w/ strain relief sleeve Smooth Jaw | 5 / A | | 400 RMS Amps, 60 Hz | 5.1 (2.3) |
| 1921 | Eye, w/ strain relief sleeve, Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 2.2 (1.0) |
| 4390 | Oval Eye, w/ strain relief sleeve, Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 2.2 (1.0) |
| 1922* | Mounted, w/ strain relief sleeve Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 5.2 (2.3) |
| 1928* | Hanger Stud only | | | | .2 (.1) |
| 2.4" BRONZE "C" CLAMP W/ FLAT LOWER JAW - ACME THREAD | | | | | |
| 4295 | Eye, w/ strain relief sleeve, Smooth Jaw | 5H / A | 2.0" I.P.S. to #6 | 400 RMS Amps, 60 Hz | 4.1 (1.8) |
| 4311 | Eye, w/o strain relief sleeve, Smooth Jaw | 5H / A | 2.4" - .16" (61 mm - 4 mm) Dia. | 400 RMS Amps, 60 Hz | 4.0 (1.7) |

* Mounted: 1.25" dia x 6' Fiberglass Hotstick permanently mounted

* Hanger Stud 1928 Compatible with above clamps parts on this page only.

PRESSURE TERMINAL CLAMPS

1.1", 1.25" AND 2" SIZES



24407 - Stick Mounted Duck Bill Clamp



These **DUCKBILL** and **"C" CLAMPS** feature pressure terminations for use with plain ferrules. Made of high strength aluminum with bronze eye-screws, these Grade 5 clamps are designed for smooth operation and long service life. Use Duckbill clamps for all grounding applications from .16 to 1.1" diameter and "C" clamps for all grounding applications from .06 to 1.26" diameter.

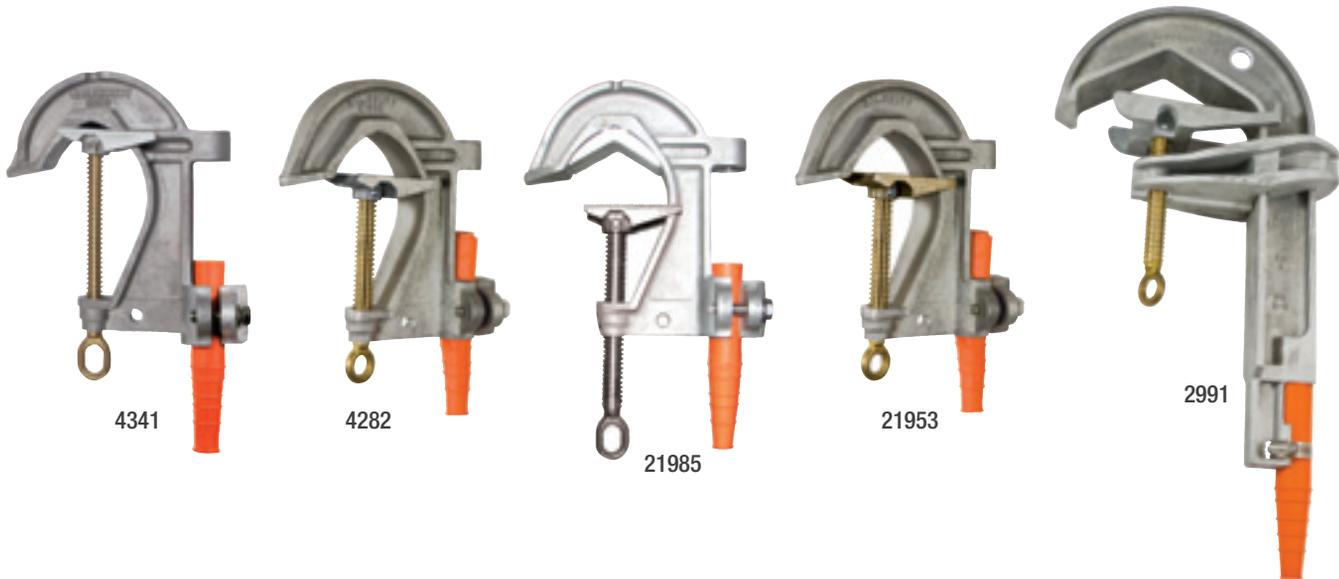
FLAT JAW GROUNDING CLAMPS are now available with pressure terminals for use with plain cable ferrules. These clamps are made of a high strength aluminum and a bronze eye screw or "T" handle for durability and smooth operation. Also featured is a hardened aluminum alloy serrated insert. This insert is designed to grip tightly to flat surfaces and cut through surface contamination and oxidation for low resistance contact. The pressure termination is designed on an angle keeping the cable out of the way during installation. The cable termination is angled to minimize interface with the "T" handle or eye when installing or removing the clamp.

Salisbury's 24438 Plain Ferrule 4-way Connector is available on page I-20.

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|--|--|--------------------|---|---------------------------|-----------------------|
| 1.1" SMOOTH JAW ALUMINUM --SPRING LOADED - "V" THREAD | | | | | |
| 24404 | Duckbill, Eye w/o strain relief sleeve, Smooth Jaw | 5 / A | 795 MCM ACSR to #6 1.1"-1.16" (28 mm - 4 mm)Dia. | 400 RMS Amps, 60 Hz | 1.5 (.68) |
| 24407 | Stick mounted duckbill clamp | 5 / A | | 400 RMS Amps, 60 Hz | 4.5 (2.05) |
| 1.25" SMOOTH JAW ALUMINUM - ACME THREAD | | | | | |
| 24466 | "C" Type, Eye w/o strain relief sleeve, Serrated Jaw | 5 / B | 1035.5 MCM ACSR to #6 1.25"-1.16" (32 mm - 4 mm)Dia. | 400 RMS Amps, 60 Hz | 2.2 (1.0) |
| 21754 | Hanger Stud only | | | | 0.3 (0.1) |
| 2" SMOOTH JAW ALUMINUM - ACME THREAD | | | | | |
| 21942 | "C" Type, Eye w/o strain relief sleeve Serrated Jaw | 5 / B | 1035.5 MCM ACSR to #6 2"-1.16" (32 mm - 4 mm)Dia. | 400 RMS Amps, 60 Hz | 2.2 (1.0) |
| ALUMINUM FLAT JAW GROUNDING CLAMP - ACME THREAD | | | | | |
| 24405 | "T" screw, w/o strain relief sleeve, Serrated Jaw | 5 / B | 1.5" -.06" Flat or Square 1.26"-.06" (32 mm - 1.5 mm)Dia. | 400 RMS Amps, 60 Hz | 2.1 (.9) |
| 24406 | Eye screw, w/o strain relief sleeve Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 2.0 (.9) |

GROUNDING CLAMPS FOR SUBSTATION BUSES

3.5" AND 6.62" SIZES



| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|---|--|--------------------|--------------------------------|---------------------------|-----------------------|
| 3.5" ALUMINUM "C" CLAMP FOR SUBSTATION BUSES - ACME THREAD | | | | | |
| 4282 | Eye, w/ strain relief sleeve, Smooth Jaw w/ Flat Lower Jaw | 5 / A | 3" - 1.5" I.P.S. | 400 RMS Amps, 60 Hz | 2.8 (1.3) |
| 4283* | Mounted, w/ strain relief sleeve Smooth Jaw w/ Flat Lower Jaw | 5 / A | 3.5" - 1.75" | 400 RMS Amps, 60 Hz | 5.8 (2.5) |
| 21953 | Eye, w/ strain relief sleeve Smooth Jaw w/ Flat Lower Jaw | 5H / A | (89 mm - 44 mm) Dia. | 400 RMS Amps, 60 Hz | 2.9 (1.4) |
| 4341 | Long Eye Screw, w/strain relief sleeve Smooth Upper Jaw w/ Flat Lower Serrated Jaw | 5 / A | 3" I.P.S. to #6 3.5" - .16" | 400 RMS Amps, 60 Hz | 2.9 (1.4) |
| 21985* | Long Eye Screw, w/strain relief sleeve Serrated Jaw, w/ Flat Lower Jaw | 6 / B | (89 mm - 4 mm) Dia. | 450 RMS Amps, 60 Hz | 3.0 (1.5) |
| 6.62" ADJUSTABLE ALUMINUM "C" CLAMP FOR ROUND, SQUARE, RECTANGLE OR "H" SECTION SUBSTATION BUSES - ACME THREAD | | | | | |
| 2991 | Eye, w/ strain relief sleeve Smooth Jaw w/ Flat Lower Jaw | 5H / A | | 400 RMS Amps, 60 Hz | 6.9 (3.1) |
| 2993** | Eye, w/ welded single contact stud, Smooth Jaw w/ Flat Lower Jaw | 5 / A | 6.12" I.P.S. | 400 RMS Amps, 60 Hz | 7.0 (3.2) |
| 9967** | Eye, w/ welded double contact stud Smooth Jaw w/ Flat Lower Jaw | 5 / A | 6.62" - .4" | 450 RMS Amps, 60 Hz | 7.3 (3.3) |
| 4378 | Oval Eye, w/ strain relief sleeve Smooth Jaw w/ Flat Lower Jaw | 5 / A | (168 mm - 40 mm) Dia. | 400 RMS Amps, 60 Hz | 6.9 (3.1) |

*Mounted: 1.25" dia x 6' Fiberglass Hotstick permanently mounted

**No Ferrule Connection

+Accepts 3/4 - 10 ferrule threads

GROUNDING CLAMPS FOR FLATS, ANGLES & ROUNDS



FLAT JAW GROUNDING CLAMPS are available with either a large “T” handle or with an eye for clampstick application. The handles and eyes are designed so that the cable will not interfere with the torquing of the clamp. The set screw that secures the clamp to a flat surface is located on the movable jaw on all designs. When tightened, the set screw forces the fixed jaw of the clamp firmly against the flat ensuring a consistent low resistance current path directly through the body of the clamp to the cable connection. With other designs having a set screw on the fixed jaw, current is required to flow through mechanical connections between the movable jaw, the eye screw and the body of the clamp before passing to the cable connection.

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (Kgs) |
|--|--|--------------------|--|---------------------------|-----------------------|
| GRADE 3 BRONZE FLAT JAW GROUNDING CLAMPS - “V” THREAD | | | | | |
| 1814 | “T” screw w/ strain relief sleeve Serrated Jaw | 3 / B | 1.5” - .06” Flat or Square 1.26” - .06” (32 mm - 1.5 mm)Dia. | 300 RMS Amps, 60 Hz | 1.7 (.8) |
| 1815 | Eye Screw w/ strain relief sleeve Serrated Jaw | 3 / B | | 300 RMS Amps, 60 Hz | 1.6 (.7) |
| GRADE 5 ALUMINUM FLAT JAW GROUNDING CLAMP - ACME THREAD | | | | | |
| 4345 | “T” screw w/ strain relief sleeve, Serrated Jaw | 5 / B | 1.5” - .06” Flat or Square | 400 RMS Amps, 60 Hz | 2.1 (.9) |
| 24442 | “T” screw w/ strain relief sleeve Serrated Jaw | 5 / B | | 400 RMS Amps, 60 Hz | 2.1 (.9) |
| 4369 | Eye Screw w/ strain relief sleeve Serrated Jaw | 5 / B | 1.26” - .06” | 400 RMS Amps, 60 Hz | 2.0 (.9) |
| 24441 | Eye Screw w/ strain relief sleeve Serrated Jaw | 5 / B | (32 mm - 1.5 mm)Dia. | 400 RMS Amps, 60 Hz | 2.0 (.9) |

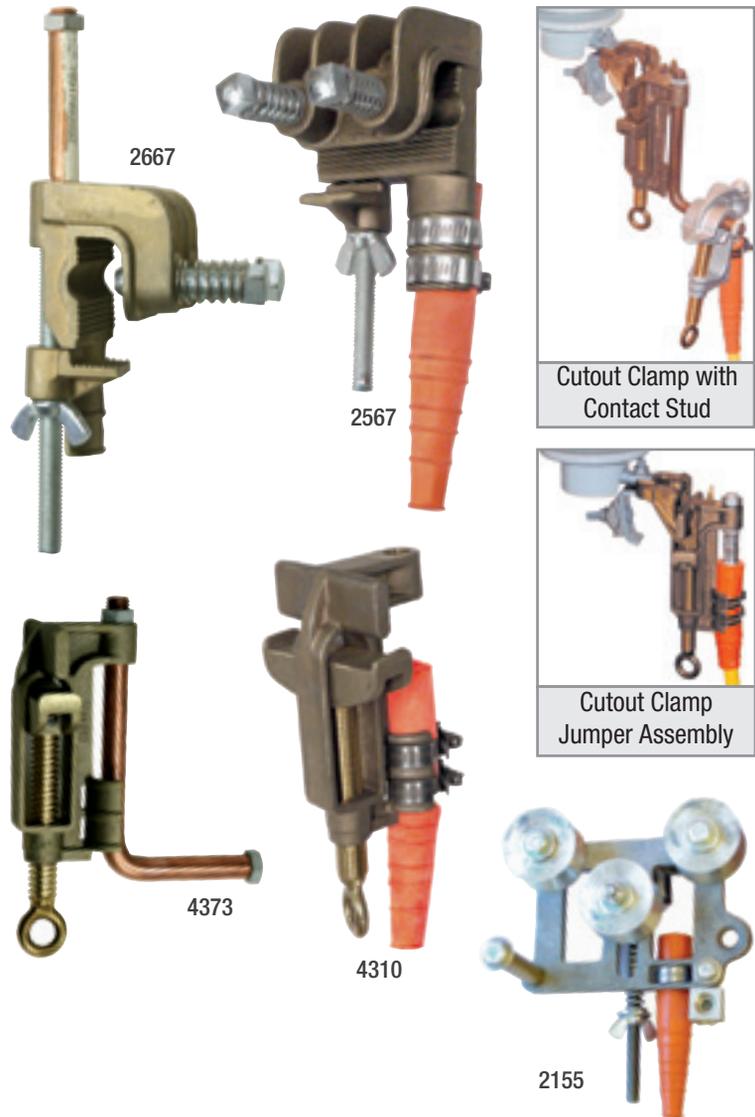
*Mounted: 1.25” dia x 6’ Fiberglass Hotstick permanently mounted

HEAVY DUTY DUAL-PURPOSE CLAMPS & SPECIALTY CLAMPS

The **HEAVY DUTY BRONZE “C” TYPE FLAT JAW CLAMP** with anti-blow off keeper is made to fit structural angles, flats and copper or copperweld stranded grounding assemblies. To install, first use an abrasive cloth or wire brush to clean the surface to be clamped. Then, wipe the surface clean, position the clamp, finger tighten and set the screws. Use a wrench to secure and tighten. A 2667 clamp with contact stud offers greater versatility.

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.

Lightweight, heavy duty **STRINGING GROUND** installs anywhere along the length of conductor to provide a continuous grounding bond, even if the conductor is slack. Constructed of high-strength aluminum alloy with large diameter sheaves and bronze bushing bearings. Features a side opening for quick, easy installation. Adjustable compression spring assures proper contact for different sizes of conductors and for easy passage of splices. In tests, this clamp withstood a 25 kA, 28 cycle short circuit. The three options for a ground tap connection are: termination for ground cables, contact/hanger stud and connector for ground wire.



| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | WEIGHT EA. lbs. (kgs) | |
|--|--|--------------------|--|--|
| HEAVY DUTY BRONZE “C” TYPE FLAT JAW CLAMP | | | | |
| 2567 | 5/8”-11NC Connection, w/ strain relief sleeve Serrated Jaw | 5H / B | MAIN LINE RANGE Angles & Flats: 2.5”-4” WX (64-101 mm x 3-19 mm) Rounds: .25”-.75” (6 mm-19 mm) Dia. | TAP SIZE 5/8 - 11 UNC Max. Cable Size 4/0 Type V Compression Ferrules 4 (1.8) |
| 2667 | 2567 Clamp, w/ Contact Stud Serrated Jaw | 5 / B | | 5 (2.3) |
| 2577 | 3/4”-10NC Connection, w/ strain relief sleeve Serrated Jaw | 6 / B | | 3/4 - 10 UNC Max. Cable Size 250 MCM Type V Compression Ferrules 4 (1.8) |

| BRONZE CUTOUT CLAMPS - “V” THREAD | | | TAP SIZE | CONTINUOUS CURRENT RATING | |
|--|----------------------------|---------|--|---------------------------|-----------|
| 4310 | Eye, w/ ferrule connection | Grade 5 | 5/8 - 11 UNC Max. Cable Size: 470 Type VI Threaded Stud Compression Ferrule | 400 RMS Amps, 60 Hz | 2.1 (1.1) |
| 4373 | Eye, w/ contact stud | Grade 5 | | 400 RMS Amps, 60 Hz | 3.3 (1.5) |
| 4379 | Contact stud only | Grade 5 | | 400 RMS Amps, 60 Hz | 1.2 (.5) |

| STRINGING GROUND | | | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | |
|-------------------------|--|-------|--|---------------------------|-----------|
| 2155 | Stringing ground, w/ Alloy Rollers & Smooth Contacts | 5 / A | 1033.5 MCM ACSR to #2 Sol 1.26”-.25” (32 mm - 6 mm) Dia Splice: 1.5” (38 mm) Dia | 300 RMS Amps, 60 Hz | 5.3 (2.4) |



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. The 21190 Socket Clamp, made from bronze alloy, has a socket size of 1 inch (25.4 mm) and a threaded bore boss of 5/8"-11 UNC. The socket clamp has an integral cable support with strain relief sleeve.

THE BALL STUD "C" CLAMP is a universal clamp that can be used in substations and on overhead lines. This universal clamp can be used as a socket clamp on a 1 inch (25.4 mm) Ball Stud and as a 1 1/2 inch (38 mm) C-Clamp on overhead lines. The eye screw is not extended beyond the body of the clamp, minimizing possible thread damage during handling. Double lead V-thread allows for faster installation, minimizing worker fatigue. External and internal ball studs assembly can be used as a current carrying contact stud.

SPECIFICATIONS FOR BALL STUD "C" CLAMP

- Aluminum clamp body
- Double lead V-thread eye screw is bronze alloy
- ASTM Type 1, Class A, Grade 5 rating
- Fault current ratings:
 - 43,000 Amps – 15 cycles
 - 30,000 Amps – 30 cycles
- Ferrule attachment: 5/8" x 11 UNC for Grade 5 rating
- Grounding cable: #2 min size to 4/0 max size

See page K-3 for ball socket studs and accessories available for both Ball & Socket clamps and Ball Stud "C" Clamps.



| CAT. NO. | DESCRIPTION | ASTM GRADE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|----------|--|------------|---------------------------|-----------------------|
| 21190 | w/ strain relief sleeve | 5 | 400 Amps | 1.2 (.54) |
| 21277 | w/o strain relief sleeve | 5 | 400 Amps | 1.1 (.5) |
| 22675 | 1" Ball Stud C-Clamp w/ strain relief | 5H | 400 Amps | 2.7 (1.22) |
| 22704 | 1" Ball Stud C-Clamp w/o strain relief | 5H | 400 Amps | 2.6 (1.18) |

GROUNDING CABLES

SALISBURY GROUNDING CABLES are made with extra flexible strand of soft drawn #30 AWG (.01") copper and are available in three different jackets.

Salisbury yellow and black ground cable now include permanent embossed markings.

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. ASTM F 855 Type I.

The black thermoplastic elastomer jacketed cable has a smaller diameter and thinner jacket material giving it better flexibility than the yellow cable. The service temperature ranges from 200° to -50°F. ASTM F 855 Type I.

The PVC transparent flexible thermoplastic jacketed cable allows easy inspection for strand breakage. The flexibility decreases with low temperatures. The service temperature ranges from 140° to -40°F per ASTM F 855, Type III requirements.



ALSO AVAILABLE IN BLACK AND CLEAR PVC



SALISBURY GROUNDING CABLES

| CAT NO. | SIZE | STRAND DIA. in. (mm) | JACKET in. (mm) | SHORT CIRCUIT WITHSTAND AMPS, RMS, 60HZ | | CONTINUOUS CURRENT AMPS,RMS, 60HZ | WT./1000FT. lbs. (kgs) |
|-------------------------|-----------|-------------------------|--------------------|--|-----------|---|---------------------------|
| | | | | 15 CYCLES | 30 CYCLES | | |
| YELLOW JACKET | | | | | | | |
| 2136 | #2-665W | .35 (8.9) | .50 (12.7) | 14500 | 10000 | 200 | 282 (127) |
| 2137 | 1/0-1064W | .45 (11.4) | .62 (15.7) | 21000 | 15000 | 250 | 488 (221) |
| 2138 | 2/0-1330W | .49 (12.4) | .65 (16.5) | 27000 | 20000 | 300 | 537 (243) |
| 2139 | 4/0-2109W | .62 (1.7) | .83 (21.1) | 43000 | 30000 | 400 | 836 (379) |
| BLACK JACKET | | | | | | | |
| 2636 | #2-665W | .35 (8.9) | .47 (12) | 14500 | 10000 | 200 | 263 (119) |
| 2637 | 1/0-1064W | .45 (11.4) | .58 (14.7) | 21000 | 15000 | 250 | 404 (183) |
| 2638 | 2/0-1330W | .49 (12.4) | .63 (16) | 27000 | 20000 | 300 | 497 (225) |
| 2649 | 3/0-1672W | .55 (14) | .72 (18.3) | 36000 | 25000 | 350 | 680 (308) |
| 2639 | 4/0-2109W | .62 (1.7) | .78 (19.8) | 43000 | 30000 | 400 | 770 (349) |
| CLEAR PVC JACKET | | | | | | | |
| 2128 | #2-665W | .35 (8.9) | .53 (13.5) | 14500 | 10000 | 200 | 289 (131) |
| 2129 | 1/0-1064W | .45 (11.4) | .64 (16.3) | 21000 | 15000 | 250 | 520 (235) |
| 2133 | 2/0-1330W | .49 (12.4) | .70 (17.8) | 27000 | 20000 | 300 | 546 (247) |
| 2288 | 4/0-2109W | .62 (1.7) | .84 (21.3) | 43000 | 30000 | 400 | 841 (381) |

YELLOW

BLACK

CLEAR PVC

PLAIN SHROUDED & UNSHROUDED FERRULES



ALUMINUM PLAIN SHROUDED

COPPER PLAIN SHROUDED



ALUMINUM PLAIN UNSHROUDED

COPPER PLAIN UNSHROUDED

PLAIN SHROUDED & UNSHROUDED FERRULES

Plain ferrules are designed for use with all grounding clamps that feature pressure terminals including the 1" duckbill and 1.5" flat jaw clamp.

COPPER FERRULES are available in two different styles: unshrouded and shrouded. Shrouded ferrules are compressed on both the conductor and the jacket of the cable to reduce bending stress. Unshrouded ferrules are crimped on the conductor strands only. These ferrules are manufactured of tin plated, 99.5% pure copper.

ALUMINUM FERRULES are available in two different styles: unshrouded and shrouded. Shrouded ferrules are compressed on both the conductor and the jacket of the cable to reduce bending stress. Unshrouded ferrules are crimped on the conductor strands only.

| CAT. NO. | CABLE SIZE | STRAND DIE CODES T&B | JACKET DIE CODES T&B | BURNDY DIE NUMBER | WEIGHT EA. PAIR lbs. (kgs) |
|----------------------------|------------|-------------------------|-------------------------|----------------------|-------------------------------|
| COPPER SHROUDED | | | | | |
| 24424 | #2 | 50 | 71 | - | 0.30 (.14) |
| 24425 | 1/0 | 50 | 71 | - | 0.35 (.16) |
| 24426 | 2/0 | 60 | 76 | - | 0.40 (.18) |
| 24427 | 4/0 | 66 | 106 | - | 0.45 (.20) |
| COPPER UNSHROUDED | | | | | |
| 24420 | #2 | 50 | - | - | 0.30 (.14) |
| 24421 | 1/0 | 50 | - | U243 | 0.30 (.14) |
| 24422 | 2/0 | 60 | - | U245 | 0.35 (.16) |
| 24423 | 4/0 | 66 | - | U247 | 0.35 (.16) |
| ALUMINUM SHROUDED | | | | | |
| 24434 | #2 | 50 | 71 | - | 0.1 (.045) |
| 24436 | 2/0 | 60 | 76 | - | 0.15 (.07) |
| 24437 | 4/0 | 71 | 106 | - | 0.15 (.07) |
| ALUMINUM UNSHROUDED | | | | | |
| 24430 | #2 | 50 | - | - | 0.12 (.54) |
| 24431 | 1/0 | 50 | - | - | 0.12 (.54) |
| 24432 | 2/0 | 60 | - | - | 0.16 (.073) |
| 24433 | 4/0 | 71 | - | - | 0.16 (.073) |

*Add suffix "A" to the end of the catalog number when requesting a custom built grounding set.

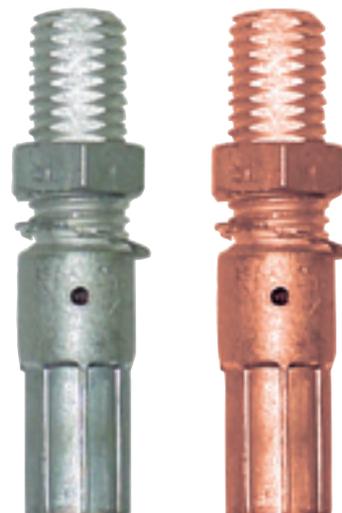
THREADED GROUNDING FERRULES & STRAIN RELIEF SLEEVES

Salisbury compression **THREADED GROUNDING FERRULES** provide low resistant connection to cable strands with a threaded stud that securely screws into a clamp. Nut and lock washers increase contact pressure and secure the assembly.

Tin plated copper ferrules can be used on either bronze or aluminum body clamps. All Salisbury threaded grounding ferrules are unshrouded and manufactured with a 5/8-11 UNC threaded stud and meets the requirements of ASTM F855.

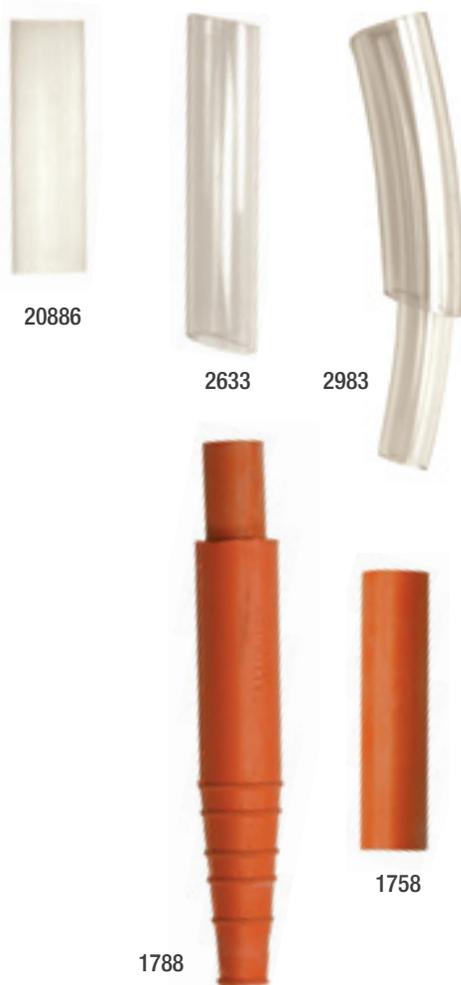
| CAT. NO. | ASTM GRADE | SIZE | INSTALLING DIE CODES T&B | BURNDY DIE NUMBERS | WEIGHT EA. PAIR lbs. (kgs) |
|---|------------|------|--------------------------|--------------------|----------------------------|
| ALUMINUM THREADED GROUNDING FERRULES | | | | | |
| 2026 | 1 | #2 | 50 | - | .2 (.1) |
| 2027 | 2 | 1/0 | 50 | - | .2 (.1) |
| 2620 | 3 | 2/0 | 60 | - | .3 (.1) |
| 2640 | 5 | 4/0 | 71 | - | .3 (.1) |
| COPPER THREADED GROUNDING FERRULES | | | | | |
| 2022 | 1 | #2 | 50 | U243 | .5 (.2) |
| 2023 | 2 | 1/0 | 50 | U243 | .4 (.2) |
| 2024 | 3 | 2/0 | 60 | U245 | .4 (.2) |
| 4277 | 4 | 3/0 | 66 | -t | .6 (.3) |
| 2025 | 5H | 4/0 | 66 | U247 | .6 (.3) |

Add suffix "A" to the catalog number when requesting a custom insulated grounding set.



STRAIN RELIEF SLEEVES reinforce cables at the termination points when used with the cable support system. This decreases strand damage to cables from age or mishandling which reduces current carrying capacity and service life. SALCOR® Strain Relief Sleeves accept all grounding cables #2 through 4/0. Sleeve assembly consists of two parts: the inner sleeve, which is discarded if the cable diameter exceeds .72" and tapered outer sleeve, 6.5" long, which can be cut to match the diameters. Clear strain relief sleeves and heat shrink are available to fit ground clamps.

| CAT. NO. | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|------------------------------------|--|-----------------------|
| CABLE STRAIN RELIEF SLEEVES | | |
| 1758 | Inner SALCOR® Sleeve Only | .1 (.04) |
| 1788 | Complete SALCOR® Strain Relief Assembly | .1 (.04) |
| 2633 | Clear Sleeve for 4/0 Grounding Cable | .1 (.04) |
| 2983 | Clear Sleeve for #2 to 2/0 Grounding Cable | .1 (.04) |
| 20886 | Clear Heat Shrink, 5"(127 mm) for All Grounding Cables | .1 (.04) |

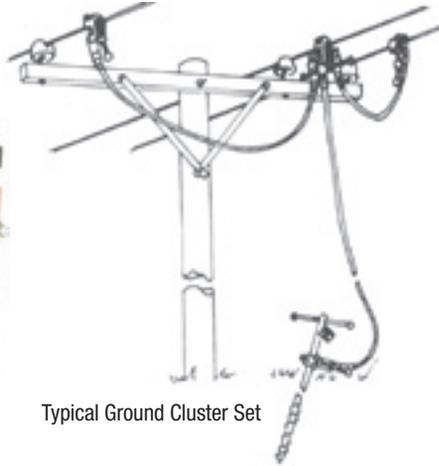


SINGLE GROUNDING ASSEMBLIES

SINGLE GROUNDING ASSEMBLIES & SETS



24309



Typical Ground Cluster Set

Salisbury offers a variety of single grounding versatility to the user when performing temporary grounding.

For ordering convenience, completed **SINGLE GROUNDING ASSEMBLIES** are listed which cover many standard application needs. Modification to these sets to meet specific needs can be made. Contact your local Salisbury representative for assistance or visit www.salisburybyhoneywell.com to use our helpful online grounding configurator.

| CAT. NO. | DESCRIPTION | ASTM GRADE | WEIGHT EA. lbs. (kgs) |
|------------------------------------|--|------------|-----------------------|
| SINGLE GROUNDING ASSEMBLIES | | | |
| 24309 | 2 ea. #1895 Serrated Aluminum "C" Clamp 1.5" 1 pr. #2024 Ferrules 6 ft. #2138 2/0 Cu. Yellow Cable | 3 | 5.9 (2.7) |
| 2299 | 2 ea. #1895 Serrated Aluminum "C" Clamp 1.5" 1 ea. #1928 Hanger Stud, 1 pr. #2027 Ferrules 6 ft. #2137 1/0 Cu. Yellow Cable | 2 | 5.9 (2.7) |
| 2319 | 2 ea. #1923 Smooth Aluminum "C" Clamp 2.4" 1 ea. #1928 Hanger Stud, 1 pr. #2620 Ferrules 10 ft. #2138 2/0 Cu. Yellow Cable | 3 | 8.7 (3.9) |
| 2320 | 1 ea. #1923 Smooth Aluminum "C" Clamp 1 ea. #4345 Aluminum Flat Jaw "T" Handle Clamp 1 pr. #2620 Ferrules 15 ft. #2138 2/0 Cu. Yellow Cable | 3 | 7.4 (3.4) |
| 2321 | 2 ea. #1793 Bronze Duck Bill 556 MCM 1 ea. #2093 Hanger Stud, 1 pr. #2023 Ferrules 6 ft. #2137 1/0 Cu. Yellow Cable | 2 | 5.4 (2.5) |
| 2329 | 2 ea. #1921 Serrated Aluminum "C" Clamp 2.4" 1 ea. #1928 Hanger Stud, 1 pr. #2620 Ferrules 10 ft. #2138 2/0 Cu. Yellow Cable | 3 | 9 (4.1) |
| 2556 | 2 ea. #1853 Smooth Aluminum Duck Bill Clamp 1.66" 1 ea. #1858 Hanger Stud, 1 pr. #2027 Ferrules 6 ft. #2137 1/0 Cu. Yellow Cable | 2 | 5.2 (2.4) |
| 2876 | 2 ea. #2531 Smooth Aluminum "C" Clamp 1.0" 1 ea. #2537 Hanger Stud, 1 pr. #2027 Ferrules 6 ft. #2137 1/0 Cu. Yellow Cable | 2 | 4.9 (2.2) |
| 9975 | 2 ea. #9985 Smooth Bronze "C" Clamp 1.0" 1 ea. #9983 Hanger Stud, 1 pr. #2023 Ferrules 6 ft. #2137 1/0 Cu. Yellow Cable | 2 | 6.9 (3.1) |
| 9982 | 2 ea. #9984 Smooth Bronze "C" Clamp 1.25" 1 ea. #9983 Hanger Stud, 1 pr. #2023 Ferrules 6 ft. #2137 1/0 Cu. Yellow Cable | 2 | 8.3 (3.7) |

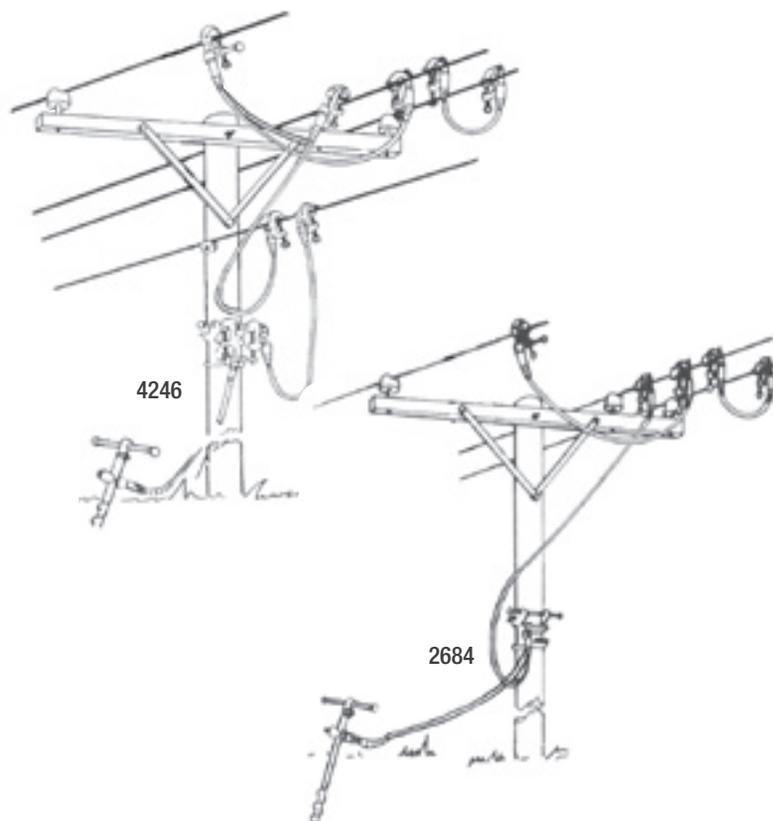
Optional ground set label available upon request when ordering.

GROUNDING SETS

SINGLE POINT DISTRIBUTION GROUNDING SETS & SPECIAL APPLICATION SETS

A **SINGLE POINT DISTRIBUTION GROUNDING SET** creates an equal potential zone on the working structure. This is accomplished by bonding all conductors and the structure to a ground source using individual assemblies as shown in the adjacent drawing.

The **SPECIAL APPLICATIONS GROUNDING SETS** listed are some typical complete personal protection ground sets for common line construction. These sets, although practical for many applications, are shown as a guide to help determine individual system needs and for ease of ordering. Variations of these sets may be requested to meet specific situations or user preferences. Your local Salisbury representative can answer any questions you have on personal protection grounding needs and applications.



| CAT. NO. | DESCRIPTION | ASTM GRADE | WEIGHT EA. lbs. (kgs) |
|----------|-------------|------------|--------------------------|
|----------|-------------|------------|--------------------------|

SINGLE POINT GROUNDING ASSEMBLIES

| | | | |
|-------------|--|---|-------------|
| 4246 | Complete Distribution Grounding Set 10 ea. #2531 Smooth Aluminum "C" Clamps 795 MCM 1 ea. #9998 Aluminum Pole Mount Contact Bar 5 pr. #2026 Ferrules 3 ea. #2537 Hanger studs 60 ft. #2636 # Cu. Cable 1 ea. #2103 Screw Ground Rod w/ Connector | 1 | 45.5 (20.6) |
|-------------|--|---|-------------|

Additional Single Point Sets are Available, Contact your local Salisbury representative.

Optional ground set label available upon request when ordering.

SPECIAL APPLICATIONS GROUNDING SETS

COMPLETE 3 PHASE DELTA

| | | | |
|-------------|---|---|-------------|
| 2684 | 2 ea. #20880 Contact Bar 7 ea. #1895 Serrated Aluminum "C" Clamp 1.5" 84 ft. #2637 1/0 Cu. Black Cable, 4 pr. #2027 Ferrules 2 ea. #1928 Hanger Studs, 1 ea. #2654 Storage Bag 1 ea. #2103 Screw Ground Rod | 2 | 63.5 (28.8) |
| 4249 | 2 ea. #20880 Contact Bar 7 ea. #2531 Smooth Aluminum "C" Clamp 795 MCM 86 ft. #2637 1/0 Cu. Cable, 4 pr. #2027 Ferrules 2 ea. #2537 Hanger Studs, 1 ea. #2654 Storage Bag 1 ea. #2103 Screw Ground Rod | 2 | 63.5 (28.8) |

COMPLETE 4 WIRE WYE

| | | | |
|-------------|---|---|-----------|
| 4276 | 1 ea. #20880A Contact Bar 7 ea. #2531 Smooth Aluminum "C" Clamp 795 MCM 32 ft. #2637 1/0 Cu. Cable, 4 pr. #2027 Ferrules 3 ea. #2537 Hanger Studs, 1 ea. #2654 Storage Bag | 2 | 34 (15.4) |
|-------------|---|---|-----------|

Optional ground set label available upon request when ordering.

3 WIRE UNIVERSAL GROUNDING CLUSTERS & SETS



1790



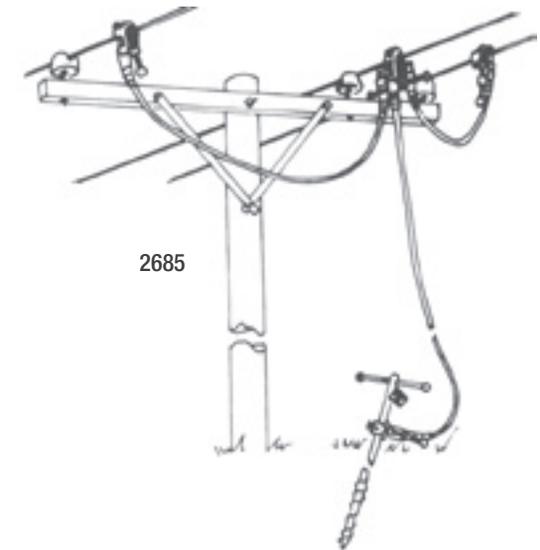
1957



2534



2547



2685

GROUNDING CLUSTERS are used to make it easy for a single line worker to apply multiple grounding assemblies on a three phase system. All clusters have an option of a ground lead by using the extra connection point on each cluster. Three wire clusters are recommended for three phase Delta systems. Complete grounding cluster assemblies are available from the factory. By specifying the cable size and length required, the assembly will be made to your specifications.

| CAT. NO. | DESCRIPTION | ASTM GRADE | WEIGHT EA. lbs. (kgs) |
|----------|--|------------|--------------------------|
| 1790 | Cluster w/ 3 #1793 Smooth Jaw 556 MCM Bronze Duck Bill Clamps | 4 | 6 (2.7) |
| 1957 | Cluster w/ 3 #1895 Serrated Jaw 1.5" Aluminum "C" Clamps | 5 | 6.4 (2.9) |
| 2534 | Cluster w/ 3 #2531 Smooth Jaw 1" Aluminum "C" Clamps | 5 | 4.9 (2.2) |
| 2547 | Cluster w/ 3 #1853 Serrated Jaw 1.66" Aluminum Duck Bill Clamps | 5 | 5.4 (2.5) |
| 2685 | Assembled Ground Cluster Set 1 ea. #2516 Serrated Aluminum "C" Clamp 1.5" Cluster 74 ft. #2637 1/0 Cu. Cable 3 pr. #2027 Ferrules, 1 ea. #2103 Screw Ground Rod 1 ea. #2654 Storage Bag 1 ea. #1895 "C" Clamp, 1.5" | 2 | 54.2 (24.6) |
| 4248 | Assembled Ground Cluster Set 1 ea. #1790 Smooth Bronze Duck Bill Cluster 76 ft. #2636 #2 Cu. Cable 3 pr. #2022 Ferrules, 1 ea. #2103 Screw Ground Rod 1 ea. #2654 Storage Bag | 1 | 54.2 (24.6) |

Clusters are also available with Mounted Clamps, consult the factory for more information.
Optional ground set label available upon request when ordering.

GROUNDING SETS & 4-WAY CONNECTORS

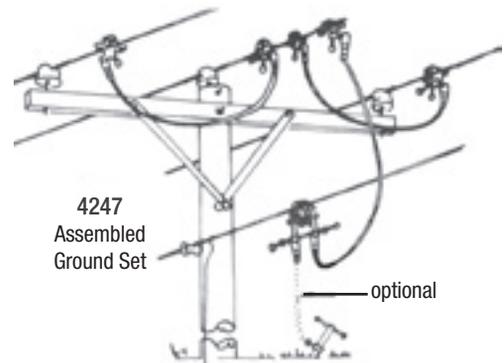
4 WIRE UNIVERSAL GROUNDING CLUSTERS & SETS

GROUNDING CLUSTERS make it easy for a single line worker to apply multiple grounding assemblies. All clusters have an option of a ground lead by using the extra connection point on each cluster. Four wire clusters are recommended for three phase Wye systems. Complete grounding cluster assemblies are available from the factory. By specifying the cable size and length required, the assembly will be made to your specifications.



The **2680 4-WAY CONNECTOR** ground set provides an excellent system for the grounding of a 3 phase system (Fig. A & B pg. I-21).

4-WAY CONNECTORS are used to create a common connection between the conductor leads and the ground lead of a ground set.



| CAT. NO. | DESCRIPTION | ASTM GRADE | WEIGHT EA. lbs. (kgs) |
|---|--|------------|-----------------------|
| 4 WIRE UNIVERSAL GROUNDING CLUSTERS & SETS | | | |
| 1794 | Cluster w/ 6 #1793 Smooth Jaw 556 MCM Bronze Duck Bill Clamps | 4 | 9 (4.1) |
| 2192 | Cluster w/ 6 #1895 Serrated Jaw 1.5" Aluminum "C" Clamps | 5 | 11.8 (5.4) |
| 2536 | Cluster w/ 6 #2531 Smooth Jaw 1" Aluminum "C" Clamps | 5 | 8.8 (4) |
| 2604 | Cluster w/ 6 #1853 Serrated Jaw 1.66" Aluminum Duck Bill Clamps | 5 | 6.2 (2.8) |
| 2682 | Assembled Ground Cluster 1 ea. #1794 Smooth Bronze Duck Bill Cluster 18 ft. #2636 #2 Cu. Cable 3 pr. #2022 Ferrules 1 ea. #2654 Storage Bag | 1 | 14.5 (6.6) |
| 4247 | Assembled Ground Cluster 1 ea. #2536 Smooth Aluminum "C" Cluster 18 ft. #2637 1/0 Cu. Cable 3 pr. #2027 Ferrules 1 ea. #2654 Storage Bag | 2 | 18 (8.2) |
| 4-WAY CONNECTOR GROUND SET | | | |
| 2680 | Four Way Connector Ground Set - Grade 2, 21 kA 15 cycles 1 #2374 Four Way Connector w/ Sleeves 4 #1895 1.5" Serrated Jaw Clamps w/ Sleeves 1 #2427 Double Hanger Stud, 1 #2402 Contact Stud 34 ft. #2137 1/0 Cu. Cable 4 pr. #2027 Ferrules | 2 | 28 (12.7) |
| 2374 | Threaded Ferrule Four Way Connector | 5 | 1.8 (.8) |
| 21702 | Threaded Ferrule Four Way Connector 1 3/4 long x 2 1/4 dia. | 5 | .5 (.23) |
| 24438 | Plain Ferrule Four Way Connector | 5 | 2 (.9) |



24438



21702



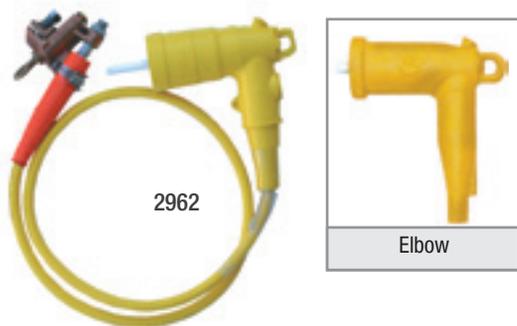
2374

Optional ground set label available upon request when ordering.

DEAD FRONT GROUNDING JUMPERS & ELBOWS



22630



2962

Elbow

DEAD FRONT GROUND SETS are supplied with an insulated grounding elbow, yellow jacketed copper grounding cable and a 1815 bronze flat jaw ground clamp for the ground connection. **GROUNDING ELBOWS** are equipped with arc quenching tips as provided on standard load break elbows.

Both 15 kV and 25 kV elbows are available with connectors for 1/0 or 2/0 cable. Assembled sets for 15 kV and 25 kV are available for single phase or three phase grounding requirements. The fault duty rating for 200 amp grounding elbows is 10 kA for 10 cycles per IEEE 386. Standard three phase sets have a 4 ft. tail connecting to a 2374 four wire connector with 2 ft. leads for the elbows. Sets can be factory assembled to customer specifications.

| CAT. NO. | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|-------------------------------|------------------------------------|--------------------------|
| COMPLETE 3 PHASE DELTA | | |
| 2910 | 15 kV Elbow w/ 1/0 Cable Connector | 1.7 (.7) |
| 2912 | 15 kV Elbow w/ 2/0 Cable Connector | 1.7 (.7) |
| 2935 | 25 kV Elbow w/ 1/0 Cable Connector | 2 (.9) |
| 2936 | 25 kV Elbow w/ 2/0 Cable Connector | 2 (.9) |

| CAT. NO. | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|-------------------------------|---|--------------------------|
| COMPLETE 3 PHASE DELTA | | |
| 2961 | 15 kV Single Phase, 6 ft. 1/0 Cable w/ Bag | 10 (4.5) |
| 2962 | 15 kV Single Phase, 6 ft. 1/0 Cable w/o Bag | 8 (3.6) |
| 2963 | 15 kV Three Phase, 1/0 Cable w/ Bag | 22 (10) |
| 22630 | 15 kV Three Phase, 1/0 Cable w/o Bag | 20 (9) |
| 2971 | 25 kV Single Phase, 6 ft. 1/0 Cable w/ Bag | 13 (5.9) |
| 22631 | 25 kV Single Phase, 6 ft. 1/0 Cable w/o Bag | 11 (5) |
| 2973 | 25 kV Three Phase, 1/0 Cable w/ Bag | 24 (10.9) |
| 22632 | 25 kV Three Phase, 1/0 Cable w/o Bag | 22 (10) |

Optional ground set label available upon request when ordering.

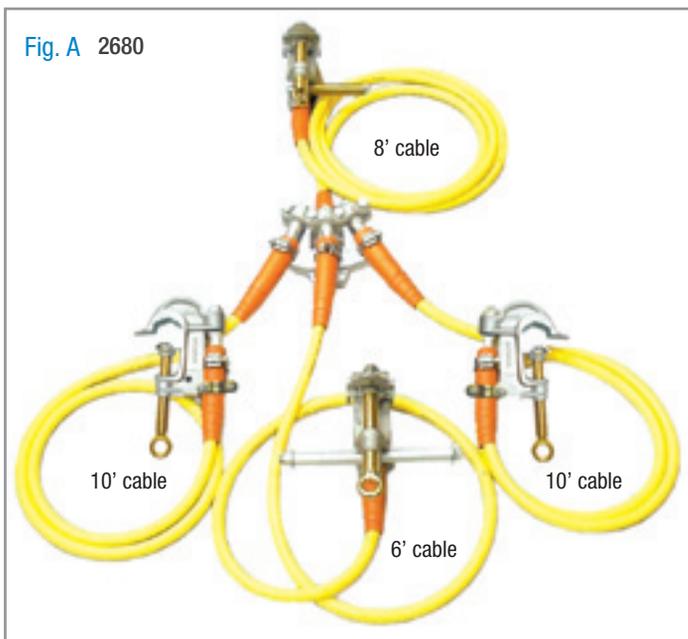


Fig. A 2680

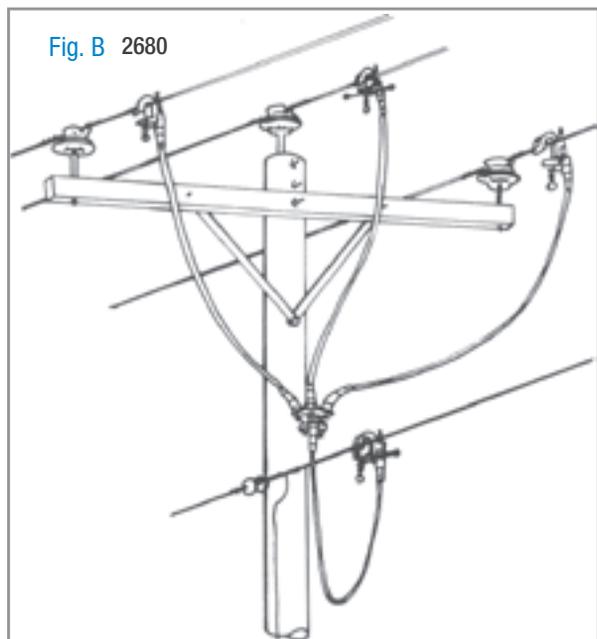


Fig. B 2680



ASTM F855-09 TABLE 1 - PROTECTIVE GROUNDING CLAMP RATINGS

TABLE 1 Protective Ground Cable, Ferrule, Clamp and Assembly Ratings for Symmetrical Current

| Grade | Grounding Clamp Torque Strength, min | | | | Short Circuit Properties ^A | | | | | | | Continuous Current Rating, A RMS, 60 Hz |
|-------|--------------------------------------|-----|----------|-----|---|--------------------|--------------------|---|--------------------|-----------------|--------------------------------|---|
| | Yield ^B | | Ultimate | | Withstand Rating, Symmetrical kA RMS, 60 Hz | | | Ultimate Rating Capacity ^{C,D} , Symmetrical kA RMS, 60 Hz | | | | |
| | lbf-in. | n-m | lbf-in. | n-m | 15 cycles (250 ms) | 30 cycles (500 ms) | Copper Cable Size | 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 | 18 | 13 | 9 | 2/0 | 200 |
| 2 | 280 | 32 | 330 | 37 | 21 | 15 | 1/0 | 29 | 21 | 14 | 4/0 | 250 |
| 3 | 280 | 32 | 330 | 37 | 27 | 20 | 2/0 | 37 | 26 | 18 | 4/0 | 300 |
| 4 | 330 | 37 | 400 | 45 | 34 | 25 | 3/0 | 47 | 33 | 23 | 250 kcmil | 350 |
| 5 | 330 | 37 | 400 | 45 | 43 | 30 | 4/0 | 59 | 42 | 29 | 250 kcmil | 400 |
| 6 | 330 | 37 | 400 | 45 | 54 | 39 | 250 kcmil or 2 2/0 | 70 | 49 | 35 | 350 kcmil | 450 |
| 7 | 330 | 37 | 400 | 45 | 74 | 54 | 350 kcmil or 2 4/0 | 98 | 69 | 48 | 550 kcmil | 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 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 assembly or individual components 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.

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ASTM F855-09 TABLE 2 - GROUNDING CABLE FERRULE AND ASSEMBLY RATINGS

TABLE 2 Ultimate Assembly Rating for High X/R Ratio Applications

| Grade | Size | High Asymmetrical Test Requirements | | | |
|-------|---------|-------------------------------------|------------------------------------|------------------------------|------------------------|
| | | Rating Rated Current (kA) | X/R = 30 | Last Cycle Current Peak (kA) | Test Duration (cycles) |
| | | | 1st Cycle Current Peak (kA) X 2.69 | | |
| 1H | No. 2 | 15 | 41 | 23 | 15 |
| 2H | 1/0 | 25 | 65 | 37 | 15 |
| 3H | 2/0 | 31 | 84 | 46 | 15 |
| 4H | 3/0 | 39 | 105 | 58 | 15 |
| 5H | 4/0 | 47 | 126 | 70 | 15 |
| 6H | 250 MCM | 55 | 148 | 82 | 15 |
| 7H | 350 MCM | 68 | 183 | 101 | 15 |

NOTE 1—The above current values are based on electromechanical test values.
 NOTE 2—Assemblies that have been subjected to these shall not be re-used.
 NOTE 3—For use with currents exceeding 20 % asymmetry factor.
 NOTE 4—See X4.7.2 for additional information.
 NOTE 5—Alternate testing circuits are available for laboratories that cannot achieve the above requirements. See Appendix X4 for details.

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TEMPORARY PROTECTIVE GROUNDING EQUIPMENT *safety line*



TEMPORARY PROTECTIVE GROUNDING EQUIPMENT

safety line

ADDITIONAL SCREW OPTIONS AVAILABLE WHERE DESIGNATED



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

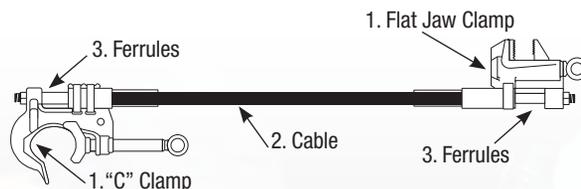
NOTE:

Salisbury by Honeywell's Safety Line grounding equipment offers solutions for all applications. This line of temporary protective grounding equipment offers a wide variety of products to meet many individual needs. These products are available in complete assemblies or individual components.

PLEASE NOTE: When ordering assemblies of grounding products, please make sure all items included in the assembly are only from the product line found within this section. Including items from other grounding equipment sections of this book will add additional shipping time.

SAFETY LINE TEMPORARY PROTECTIVE GROUNDING EQUIPMENT

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 copper or aluminum and shrouded or non-shrouded.

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.

Options also include a ground set label. These optional labels include the date of manufacture and are available upon request when ordering.

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. Two ferrules are required for each assembly therefore they are sold in pairs. Ferrules are manufactured to the specifications of ASTM F855.

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.

Salisbury by Honeywell is your complete source for grounding equipment and assemblies.

DUCK BILL GROUNDING CLAMPS

1.13" AND 1.63" SIZES



Open Duck Bill Clamp: Includes springs that keep jaw open for easy application.



| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|---|---|--------------------|---|---------------------------|-----------------------|
| 1.13" SMOOTH JAW ALUMINUM DUCK BILL CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 767E | Stainless Steel Eye, Smooth Jaw | 3 / A | 795 MCM ACSR to #6 .19" - 1.13" (4.8 mm - 28.7 mm) Dia. | 300 RMS Amps, 60Hz | 1.4 (0.63) |
| 768E | Stainless Steel Eye, Open Clamp, Smooth Jaw | 3 / A | | 300 RMS Amps, 60Hz | 1.4 (0.63) |
| 1.63" SMOOTH JAW ALUMINUM DUCK BILL CLAMPS - THREADED | | | | | |
| 760006E | Stainless Steel Eye, Smooth Jaw | 5 / A | 954 MCM ACSR to #6 .19" - 1.63" (4.8 mm - 41 mm) Dia. | 400 RMS Amps, 60Hz | 3.0 (1.36) |
| 760SR6E | Stainless Steel Eye, Smooth Jaw w/ strain relief system | 5 / A | | 400 RMS Amps, 60Hz | 2.2 (1.00) |
| 760SR6PSE | Stainless Steel Eye, Smooth Jaw, w/ AL Parking Stand & Strain Relief System | 5 / A | | 400 RMS Amps, 60Hz | 1.6 (0.73) |
| 760SRS6E | Stainless Steel Eye, Serrated Jaw w/ Strain Relief System | 5 / B | | 400 RMS Amps, 60Hz | 2.2 (1.00) |
| 1.63" SMOOTH JAW ALUMINUM DUCK BILL CLAMPS - PIN - W/O STRAIN RELIEF SYSTEM | | | | | |
| 761E | Stainless Steel Eye, Smooth Jaw w/ AL Parking Stand | 3 / A | 954 MCM ACSR to #6 .19" - 1.63" (4.8 mm - 41 mm) Dia. | 300 RMS Amps, 60Hz | 1.4 (0.63) |

Additional screw options available. See page J-2 or contact your local Salisbury Representative for more information.

"C" TYPE GROUNDING CLAMPS

.75" AND 1.25" SIZES



| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (Kgs) |
|--|---|--------------------|---|---------------------------|-----------------------|
| 0.75" ALUMINUM "C" CLAMP - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7640001E | Stainless Steel Eye, Smooth Jaw | 5 / A | 2 Ø MCM ACSR to #6 .19" - .75" (4.8 mm - 19 mm) Dia. | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 7640001EB | Bronze Eye, Smooth Jaw | 5 / A | | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 76400S1E | Stainless Steel Eye, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 76400S1EB | Bronze Eye, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 0.75" BRONZE "C" CLAMP - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7640CM1E | Stainless Steel Eye, Smooth Jaw | 5 / A | 2 Ø MCM ACSR to #6 .19" - .75" (4.8 mm - 19 mm) Dia. | 400 RMS Amps, 60Hz | 3.0 (1.40) |
| 7640CMS1E | Stainless Steel Eye, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 3.0 (1.40) |
| 1.25" ALUMINUM "C" CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 760001E | Stainless Steel Eye, Smooth Jaw | 5 / A | 900 MCM ACSR to #6 .19" - 1.25" (4.8 mm - 131.8 mm) Dia. | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 760001EB | Bronze Eye, Smooth Jaw | 5 / A | | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 760001RT | Stainless Steel Removable T, Smooth Jaw | 5 / A | | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 760001T | Stainless Steel T-Handle, Smooth Jaw | 5 / A | | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 760001PSE | Stainless Steel Eye, w/ Parking Stand, Smooth Jaw | 5 / A | | 400 RMS Amps, 60Hz | 1.3 (0.59) |
| 760001CS | Stainless Steel Eye, w/ Steel Parking Stand, Smooth Jaw | 5 / A | | 400 RMS Amps, 60Hz | 1.3 (0.59) |
| 7600S1EB | Bronze Eye | 5 / B | | 400 RMS Amps, 60Hz | - - |
| 1.25" BRONZE "C" CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 760CM1E | Stainless Steel Eye, Smooth Jaw | 5 / A | 900 MCM ACSR to #6 .19" - 1.25" (4.8 mm - 31.8 mm) Dia. | 400 RMS Amps, 60Hz | 3.3 (1.50) |
| 760MS1E | Stainless Steel Eye, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 3.3 (1.50) |

"C" TYPE GROUNDING CLAMPS

2.13" AND 2.5" SIZES



76600S1PG



7660001E



7512B

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|---|---|--------------------|--|---------------------------|-----------------------|
| 2.13" ALUMINUM "C" CLAMP - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7660001E | Stainless Steel Eye, Smooth Jaw | 5 / A | 3000 MCM ACSR to #6 .25" - 2.13" (6.4 mm - 54 mm) Dia. | 400 RMS Amps, 60Hz | 2.0 (0.91) |
| 76600S1E | Stainless Steel Eye, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 2.0 (0.91) |
| 76600S1PG | Posigrip, Stainless Steel, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 2.0 (0.91) |
| 2.5" ALUMINUM "C" CLAMP - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7512B | Stainless Steel Bayonet, Smooth Jaw | 5 / A | 2.0" I.P.S. to #6 0.5" - 2.5" (12.7 mm - 63.5 mm) Dia. | 400 RMS Amps, 60Hz | 4.0 (1.82) |
| 7512E | Stainless Steel Eye, Smooth Jaw | 5 / A | | 400 RMS Amps, 60Hz | 4.0 (1.82) |

Additional screw options available. See page J-2 or contact your local Salisbury Representative for more information.

BUS BAR AND BUS BAR ALLIGATOR CLAMPS

.5", AND 4.4" SIZES



7575FE



7542E



7542B



7541T

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|--|---|--------------------|---|---------------------------|-----------------------|
| 0.5" BRONZE BUS BAR ALLIGATOR CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7575FE | Stainless Steel Eye, Smooth Jaw | 2 / A | .0234" - .05" (6 mm - 12.7 mm) Dia. | 250 RMS Amps, 60 Hz | 2.0 (0.91) |
| 7575FEST | Stainless Steel Eye-T, Smooth Jaw | 2 / A | | 250 RMS Amps, 60 Hz | 2.0 (0.91) |
| 7575FGA | Grip-All, Stainless Steel, Smooth Jaw | 2 / A | | 250 RMS Amps, 60 Hz | 2.0 (0.91) |
| 7575FPSE | Stainless Steel Eye, w/ Parking Stand, Smooth Jaw | 2 / A | | 250 RMS Amps, 60 Hz | 2.0 (0.91) |
| 0.5" BRONZE BUS BAR ALLIGATOR CLAMPS WITH TEETH - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7575FTGA | Stainless Steel Grip-All, Serrated Jaw | 2 / B | 0.234" - .05" (6 mm - 12.7 mm) Dia. | 250 RMS Amps, 60 Hz | 2.0 (0.91) |
| 4.4" ALUMINUM BUS BAR CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7541E | Stainless Steel Eye, Serrated Jaw | 5 / B | 0.31" - 4.25" (7.9 mm - 112 mm) Dia. | 400 RMS Amps, 60Hz | 2.0 (0.91) |
| 7541T | Stainless Steel T-Handle, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 2.0 (0.91) |
| 4.4" ALUMINUM BUS BAR CLAMPS - PIN - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7542B | Stainless Steel Bayonet, Serrated Jaw | 5 / B | 0.31" - 4.25" (7.9 mm - 112 mm) Dia. | 400 RMS Amps, 60Hz | 2.0 (0.91) |

Additional screw options available. See page J-2 or contact your local Salisbury Representative for more information.

GROUNDING CLAMPS FOR FLATS & ANGLES

1.4" AND 1.5" SIZES



760002E



760CM3E



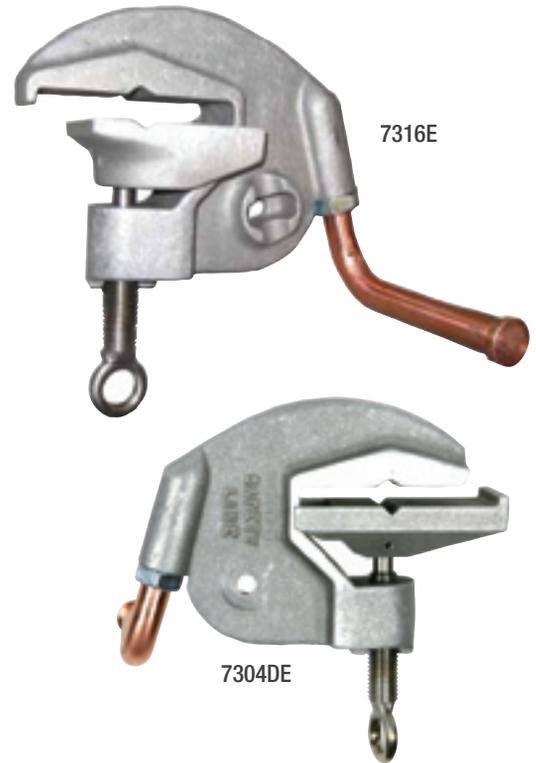
760CMSR3E

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|---|--|--------------------|---|---------------------------|-----------------------|
| 1.4" ALUMINUM FLAT FACE CLAMPS - PIN - W/O STRAIN RELIEF SYSTEM | | | | | |
| 760002E | Stainless Steel Eye, Serrated Jaw | 5 / B | 0.19" - 1.4" (4.8 mm - 35.6 mm) Dia. | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 760002T | Stainless Steel T-Handle, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 1.0 (0.45) |
| 1.4" BRONZE FLAT FACE CLAMPS - THREADED | | | | | |
| 760CMSR3E | Stainless Steel Eye, W/ Strain Relief System Serrated Jaw | 5 / B | 0.19" - 1.4" (4.8 mm - 35.6 mm) Dia. | 400 RMS Amps, 60Hz | 4.5 (2.0) |
| 1.5" ALUMINUM FLAT FACE CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 760003E | Stainless Steel Eye, Serrated Jaw | 5 / B | 0.19" - 1.5" (4.8 mm - 38 mm) Dia. | 400 RMS Amps, 60Hz | 1.2 (0.54) |
| 1.5" BRONZE FLAT FACE CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 760CM3T | Stainless Steel T-Handle, Serrated Jaw | 5 / B | 0.19" - 1.5" (4.8 mm - 38 mm) Dia. | 400 RMS Amps, 60Hz | 3.2 (1.40) |
| 760CM3E | Stainless Eye, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 3.2 (1.40) |

Additional screw options available. See page J-2 or contact your local Salisbury Representative for more information.

GROUNDING CLAMPS FOR FLATS & ANGLES

2.5" AND 4" SIZES

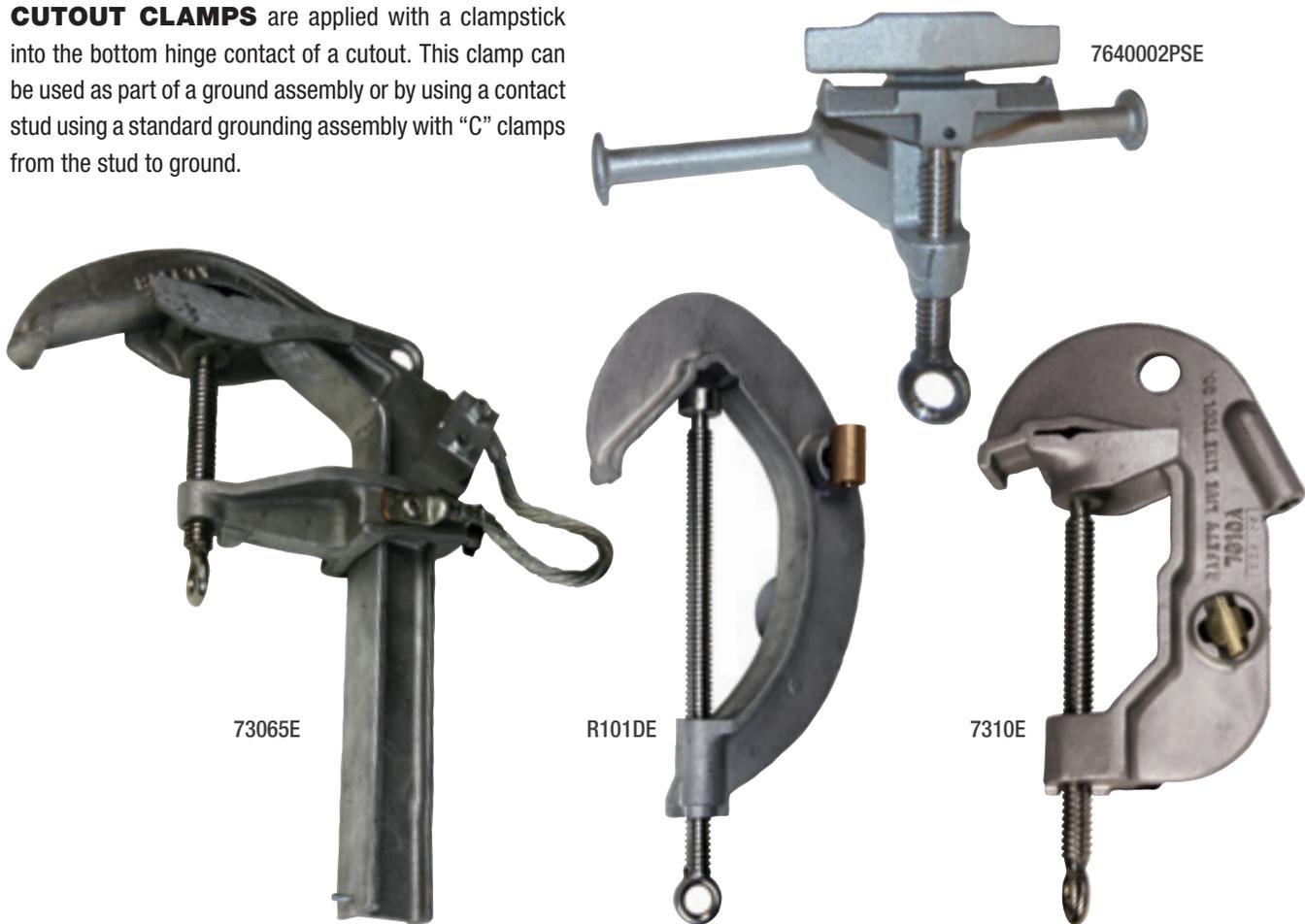


| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|--|--------------------------------------|--------------------|--|---------------------------|-----------------------|
| 2.5" ALUMINUM ALL ANGLE CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7315E | Stainless Steel Eye, Serrated Jaw | 5 / B | 2" I.P.S. to #4 0.25" - 2.5" (6.4 mm - 54 mm) Dia. | 400 RMS Amps, 60Hz | 4.3 (2.00) |
| 7315PG | Bronze Posigrip, Serrated Jaw | 5 / B | | 400 RMS Amps, 60Hz | 4.3 (2.00) |
| 2.5" ALUMINUM TOWER ANGLE CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 73025T | Stainless Steel T-Handle, Smooth Jaw | 5 / A | 0.3" - 1.6" (8-41 mm) Dia. | 400 RMS Amps, 60Hz | 2.5 (1.14) |
| 4" ALUMINUM TOWER ANGLE CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7304T | Stainless Steel T-Handle, Smooth Jaw | 5 / A | 0.25" - 0.94" (6-24 mm) Dia. | 400 RMS Amps, 60Hz | 3.3 (1.50) |
| 4" ALUMINUM TOWER ANGLE CLAMPS - PIN + THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7314T | Stainless Steel T-Handle, Smooth Jaw | 5 / A | 0.25" - 0.94" (6-24 mm) Dia. | 400 RMS Amps, 60Hz | 3.3 (1.50) |
| 4" ALUMINUM TOWER ANGLE CLAMPS WITH COPPER PARKING STAND - RATED FOR 49KA FOR 15 CYCLES W/ X/R=25 | | | | | |
| 7316E | Stainless Steel Eye, Smooth Jaw | Exceeds Grade 5 | Outside Angle Clamp 4" max. | - | - |
| 7304DE | Stainless Steel Eye, Smooth Jaw | Exceeds Grade 5 | Inside Angle Clamp 4" max. | - | - |

Additional screw options available. See page J-2 or contact your local Salisbury Representative for more information.

LARGE SUBSTATION BUS CLAMPS & CUTOUT CLAMPS

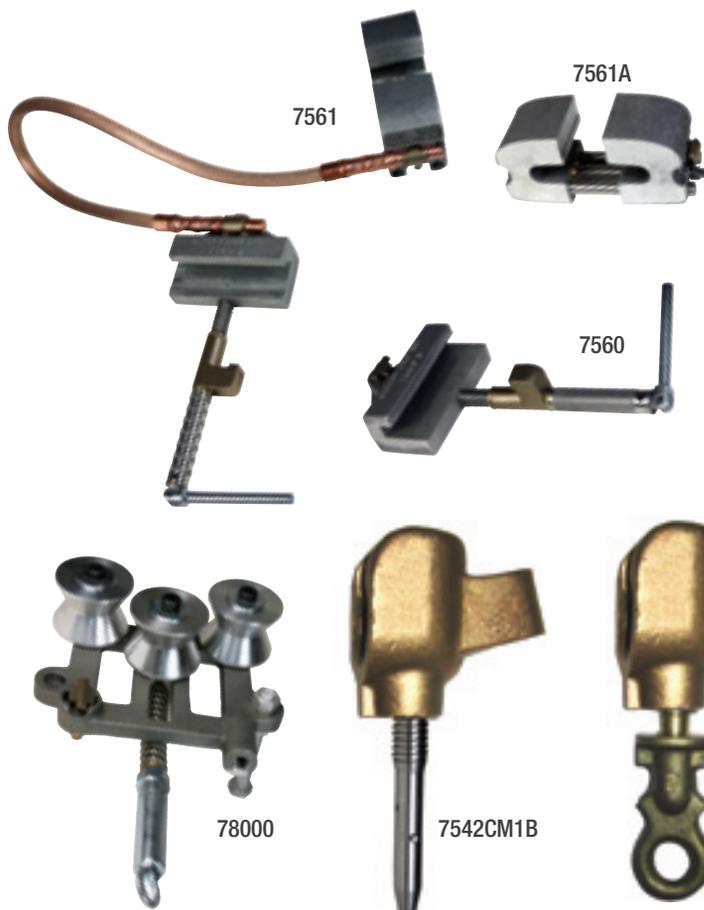
CUTOUT CLAMPS are applied with a clampstick into the bottom hinge contact of a cutout. This clamp can be used as part of a ground assembly or by using a contact stud using a standard grounding assembly with “C” clamps from the stud to ground.



| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|--|--|--------------------|---|---------------------------|-----------------------|
| 4.5" ALUMINUM SUBSTATION BUS CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7311E | Stainless Steel Eye, Smooth Jaw | 5 / A | 0.5" - 4.5" (12.7 mm - 114 mm) Dia. | 400 RMS Amps, 60Hz | 4.0 (1.82) |
| 4.5" ALUMINUM SUBSTATION BUS CLAMPS - PIN - W/O STRAIN RELIEF SYSTEM | | | | | |
| 7310E | Stainless Steel Eye, Smooth Jaw | 5 / A | 1/2" I.P.S., 0.5"-4.5" (12.7 mm - 114 mm) Dia. | 400 RMS Amps, 60Hz | 4.0 (1.82) |
| 6" ALUMINUM SUBSTATION BUS CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| R101DE | Stainless Steel Eye, Serrated Jaw | 5 / B | 1 Ø I.P.S., 0.5" - 6" (12.7 mm - 152 mm) Dia. | 400 RMS Amps, 60Hz | 4.0 (1.82) |
| 7" ALUMINUM SUBSTATION BUS CLAMPS - THREADED - W/O STRAIN RELIEF SYSTEM | | | | | |
| 73065E | Stainless Steel Eye, Smooth Jaw | 5 / A | 0.4" - 7" (10.2 mm - 178 mm) Dia. | 400 RMS Amps, 60Hz | 6.7 (3.00) |
| 1.63" ALUMINUM CUTOUT CLAMPS - THREADED - W/O STRAIN RELIEF SLEEVE | | | | | |
| 7640002E | Stainless Steel Eye, Smooth Jaw | 3 / A | 0.188" - 1.63" (4.77 mm - 41.4mm) Dia. | 300 RMS Amps, 60Hz | 1.0 (0.45) |
| 7640002PSE | Stainless Steel Eye, w/ Al. Dbl. Parking Stand, Smooth Jaw | 3 / A | | 300 RMS Amps, 60Hz | 1.2 (0.5) |
| 7640002PSEB | Bronze Eye, w/ Al. Dbl. Parking Stand, Smooth Jaw | 3 / A | | 300 RMS Amps, 60Hz | 1.2 (0.5) |

Additional screw options available. See page J-2 or contact your local Salisbury Representative for more information.

RUNNING RAIL CLAMPS & BALL & SOCKET SYSTEM



The **RUNNING POWER RAIL GROUND SET** is made up of 7561A power rail clamp and 7560 running rail clamp connected with three feet (91.4 cm) of 4/0 PVC-jacketed copper cable. Set includes one 10024BC, 1" x 24" (2.5 x 61 cm) fiberglass handle with bayonet to operate the power rail clamp.

The **BALL AND SOCKET GROUNDING SYSTEM** has a lightweight compact design and allows for variable angle accessibility. These clamps are made from bronze alloy and have a socket size of 1" (25.4 mm) with a threaded bore boss of 5/8"-11 UNC. There are fixed grounding points on the socket clamp.

See page K-3 for ball socket studs and accessories available.

| CAT. NO. | EYE & CLAMP DESCRIPTION | ASTM GRADE / CLASS | MAIN LINE RANGE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|--|--|--------------------|-----------------|---------------------------|-----------------------|
| 5.75" ALUMINUM RUNNING RAIL CLAMP - PIN | | | | | |
| 7560 | Stainless Steel Toggle Handle, Smooth Jaw | 5 / A | 5" - 5.75" | 400 RMS Amps, 60Hz | 5.0 (2.27) |
| 4" ALUMINUM POWER RAIL CLAMP - PIN | | | | | |
| 7561A | Stainless Steel Bayonet, Smooth Jaw | 5 / A | 0" - 4" | 400 RMS Amps, 60Hz | 7.0 (3.17) |
| TRAVELING GROUND | | | | | |
| 7561 | Running Power Rail Ground Set | 5 | - | - | 15 (6.80) |
| 1.63" ALUMINUM TRAVELING GROUND CLAMPS - PIN/THREADED | | | | | |
| 78000 | Stainless Steel Eye, w/ Contact Stud, Smooth Jaw | 3 / A | 0.125" - 1.63" | 300 RMS Amps, 60Hz | 10 (4.54) |

| CAT. NO. | DESCRIPTION | ASTM GRADE | CONTINUOUS CURRENT RATING | WEIGHT EA. lbs. (kgs) |
|---------------------------------|---|------------|---------------------------|-----------------------|
| BALL & SOCKET SYSTEM | | | | |
| 7542CM1B | Smooth Jaw, Threaded, w/ Stainless Steel Bayonet | 5 | 400 | 1.5 (.68) |
| 7542CM1E | Smooth Jaw, Threaded, w/ Stainless Steel Eye | 5 | 400 | 1.5 (.68) |
| 7542CM1PG | Smooth Jaw, Threaded, w/ Bronze Posigrip | 5 | 400 | 1.5 (.68) |
| 7542CM1T | Smooth Jaw, Threaded, w/ Stainless Steel T-Handle | 5 | 400 | 1.5 (.68) |

Additional screw options available. See page J-2 or contact your local Salisbury Representative for more information.

THREADED & PIN FERRULES FOR SAFETY LINE SETS

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.

GROUNDING CABLES are made with extra flexible strand of soft drawn #30 AWG (.01") copper and are available in three different jackets.



| CAT. NO. | CONDUCTOR SIZE | STYLE | STUD SIZE | BODY DIE CODES | SHROUD DIE CODES | LENGTH STRIPPED INCHES |
|------------------------|----------------|----------|-----------|----------------|------------------|------------------------|
| COPPER SHROUDED | | | | | | |
| 760001CT40 | #2 | Threaded | 5/8-11 | U27RT | U27ART | 1-5/8 |
| 760001CT41 | 1/0 | Threaded | 5/8-11 | T&B 66 | B75-AH | 1-15/16 |
| 760001CT42 | 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 |
| 760001PT41 | 1/0 | Pin | 11/16 | T&B 66 | B75-AH | 1-15/16 |
| 760001PT42 | 2/0 | Pin | 11/16 | T&B 66 | B75-AH | 2 |
| 76PT43 | 4/0 | Pin | 11/16 | T&B 66 | B75-AH | 2 |

Add suffix "T" to the catalog number when requesting tin-plated copper.

COPPER 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 |

SINGLE POINT DISTRIBUTION GROUNDING SET & BALL SOCKET 4-WAY CONNECTOR SETS



Grounding Sets



75420010236

SETS FOR GROUNDED “Y” SYSTEMS provide all the equipment required to safely ground a variety of structures on 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 clampsticks (not included). Other lengths and configurations are available.

BALL SOCKET 4-WAY CONNECTOR SETS are designed for variable angle accessibility, three-phase grounding. It is supplied with three-foot leads and six feet of cable from a common connection to ground. Upper heads are ball socket clamps (7542CM1E). Lower ground head is a standard “C” type ground head (760001E) with a range of #6 to 1-1/4” (32 mm). Ball studs needed but not included.

| 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 | | | | |

BALL SOCKET 4-WAY CONNECTOR SETS

| | | | | |
|-------------|-----|---------|---|-----------|
| 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) |

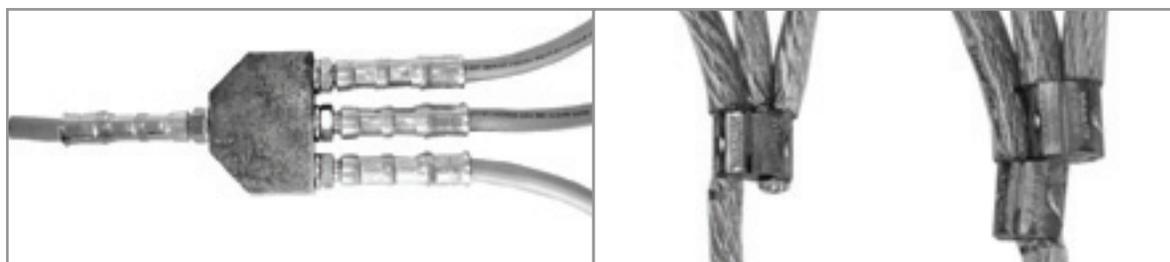
Optional ground set label available upon request when ordering.

GROUNDING SETS

4 WAY CONNECTOR SET, 4 WAY CONNECTOR AND SQUEEZE-ONS

The **4-WAY CONNECTOR SETS** 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 grounding 4-way connector set has a fixture to raise and lower the set which can be easily tied onto the pole. The 752076 grounding 4-way connector set is also supplied with 3 fiberglass handles (10078BC) and a bag. The 752576 grounding 4-way connector set requires a clampstick. 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.

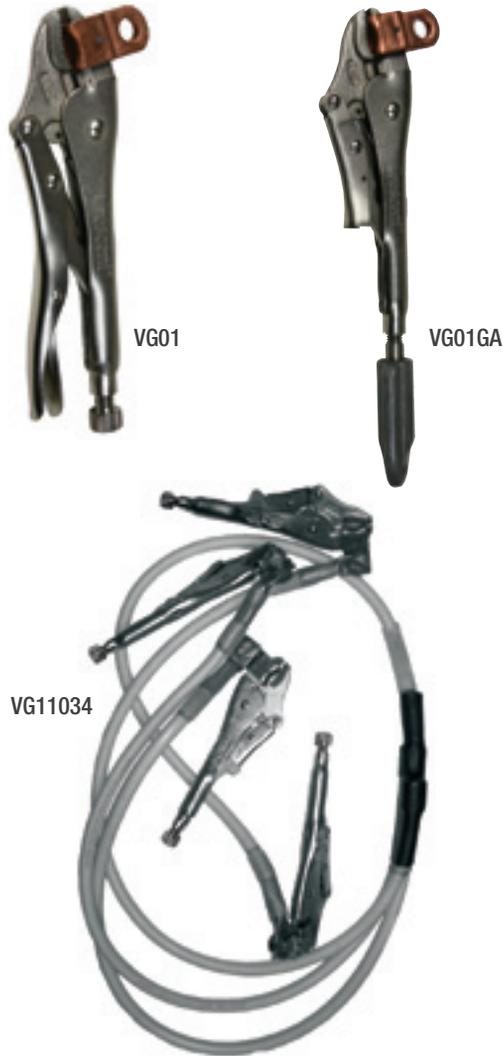
4-WAY CONNECTORS are used to create a common connection between the conductor leads and the ground lead of a ground set.



| CAT. NO. | DESCRIPTION | MAX. OPENING in. (cm) | ASTM GRADE | WEIGHT EA. lbs. (kgs) |
|-----------------------------|---|--------------------------|---------------|--------------------------|
| 4 WAY CONNECTOR SETS | | | | |
| 752076 | 4-Way Connector Set w/ "C" Type Clamps, Bayonet | 1 1/4 (3.2) | 1 | 32 (14.5) |
| 752576 | 4-Way Connector Set w/ "C" Type Clamps, Eye | 1 1/4 (3.2) | 1 | 39 (17.9) |

| CAT. NO. | DESCRIPTION | QTY. REQUIRED | WEIGHT lbs. (kgs) |
|-----------------------------------|--------------------------------|------------------|----------------------|
| CONNECTORS FOR GROUND SETS | | | |
| 76630882 | Squeeze-on for #2 Cable | 1 | 0.25 (0.113) |
| 76630782 | Squeeze-on for 1/0 - 4/0 Cable | 2 | 0.25 (0.113) |
| CB36 | 4-Way Set Block , Copper | 1 | 0.187 (0.085) |
| CA36 | 4-Way Set Block, Aluminum | 1 | 0.125 (0.056) |

QUICK GRIP GROUND CLAMPS & GROUNDING SETS



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 hotstick operated version (VG01GA and VG01B).
- Available in a single lead ground jumper or grounding 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 and connected to a grounding jumper with a one hole NEMA connector to assure a low resistance connection.
- The grounding set 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. STANDARD | CAT. NO. FLAT JAW | DESCRIPTION | CABLE LENGTH FT. (M) | ASTM GRADE | WEIGHT lbs. (kgs) |
|--|-------------------|--|----------------------|------------|-------------------|
| QUICK GRIP GROUND CLAMPS & GROUNDING SETS, CLAMP OPENING: MIN. 0.125" - MAX. 1.5" | | | | | |
| VG01 | VG01 | Locking Pliers, Cu Overlay | N/A | 3 | 1.5 (0.68) |
| VG01B | VG01B | Locking Pliers, Cu Overlay. Bayonet | N/A | 3 | 1.6 (0.73) |
| VG01GA | VG01GA | Locking Pliers, Cu Overlay. Grip-All | N/A | 3 | 1.6 (0.73) |
| VG01033 | VG01033 | Grounding Set, 3 Leads, 1/0 x 3' with VG01 | 9 (2.743) | 3 | 10.5 (4.77) |
| VG01034 | VG01034 | Grounding Set, 4 Leads, 1/0 x 3' with VG01 | 12 (3.657) | 3 | 13.2 (5.99) |
| VG11013 | VG11013 | Single Lead, 1/0 x 3' with VG01GA | 3 (0.914) | 3 | 3.7 (1.68) |
| VG11033 | VG11033 | Grounding Set, 3 Leads, 1/0 x 3' with VG01GA | 9 (2.743) | 3 | 10.8 (4.9) |
| VG11034 | VG11034 | Grounding Set, 4 Leads, 1/0 x 3' with VG01F | 12 (3.657) | 3 | 13.6 (6.17) |
| VG11034B | VG11034B | Grounding Set, 4 Leads, 1/0 x 3' with VG01GB | 12 (3.657) | 3 | 13.6 (6.17) |

Optional ground set label available upon request when ordering.

GROUNDING SETS

INDUSTRIAL GROUND 4-WAY GROUND SETS

The **INDUSTRIAL GROUND SET** consists of three upper ground heads, one lower head, visible trifurcation, six-foot (1.83 m) leads to common connections and a twenty foot lead from common to ground connection. All ground heads (7541B and 7541T) will accept 4"x 4"(10.2 x 10.2 cm) copper or aluminum bus configurations.

Also includes a bag for installation at the main disconnect point. The 7551 includes a one-foot fiberglass handle (10012BC) for installing upper heads.

NOTE: 8106C clampstick (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.



7551

LIGHTWEIGHT INDUSTRIAL GROUND SETS

are designed for smaller conductor size applications. Clamps used include screws with eyes (GA attachments) for use with a clampstick. A #2 extra flexible copper ground cable is used throughout. The 75FGT0266 has six-foot (1.83m) leads to the common connection and a six-foot lead from the common connection to ground. The 7640244GA uses 4' (1.22 m) leads throughout. Sets include a bag. Other lengths and configurations are available.



75FGT0266

| CAT. NO. | DESCRIPTION | ASTM GRADE | WEIGHT lbs. (kgs) |
|-------------------------------|---------------------------------------|------------|-------------------|
| INDUSTRIAL GROUND SETS | | | |
| 7551 | Industrial Ground Set - with Bayonet | 1 | 35 (15.8) |
| 7551GA | Industrial Ground Ser - with Grip-All | 3 | 35 (15.8) |

| CAT. NO. | DESCRIPTION | CLAMP USED | FAULT DUTY 15 CYCLES | ASTM GRADE | WEIGHT EA. lbs. (kgs) |
|---|-------------------|------------|----------------------|------------|-----------------------|
| LIGHTWEIGHT INDUSTRIAL GROUND SETS | | | | | |
| 7640244GA | Ultra Lightweight | 7640001E | 14.5 kA | 1 | 13 (5.90) |

Optional ground set label available upon request when ordering.



GROUND SETS include three upper heads and 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 buses 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 set's weight on the conductor. Other lengths and configurations available.

PARKING STUDS provide a temporary location to attach ground clamps when raising or lowering multiple ground leads.

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

| CAT. NO. | DESCRIPTION | WEIGHT lbs. (kgs.) |
|----------------------|----------------------------------|-----------------------|
| PARKING STUDS | | |
| 76000APS | Single Stud | 0.187 (0.085) |
| SHRINK TUBE | | |
| 761ST | 6" (15 cm) for Shrouded Ferrules | 0.375 (0.170) |

| 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 Ground 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

URD ASSEMBLY, NEUTRAL JUMPER ASSEMBLY & UNDERGROUND DEAD BREAK SET

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 (1.83m) lengths of #2, clear-jacketed, extra flexible cable. Clamps (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



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) |
| 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) |

15 KV UNDERGROUND DEAD BREAK GROUND SET

LOCAL LOOP

| | | | |
|--------------|------------------------|--|-----------|
| 764156STGES0 | 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) |

UNDERGROUND GROUNDING ASSEMBLY

| | | | |
|-------------|---------------|--|------------|
| ES10Y615LB | Single, 15 kV | | 9 (4.08) |
| ES1Y21015LB | Set, 15 kV | | 22 (9.98) |
| ES10Y625LB | Single, 25 kV | | 10 (4.53) |
| ES1Y21025LB | Set, 25 kV | | 23 (10.43) |

Optional ground set label available upon request when ordering.



764156STGES0



EB100615

The **SINGLE GROUNDING BUSHING SET** is a single lead made from 6 feet (1.83 m) of 1/0 cable. The 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 (7640001E) can be applied with a clampstick. Sets come complete with bag; single leads do not. All sets are rated for 10 kA for 10 cycles. Other lengths and configurations are available.



EB1021015

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.



EB1021015LB

The **ELBOW GROUNDING SET** includes a single lead made from 6 feet (1.83 m) of 1/0 cable. This set consists of 3 elbow assemblies connected together with 3-foot (0.92 m) leads to a common connection, and 10-foot (3.05 m) from a common connection to ground. The conductor is made of 1/0 clear jacketed copper stranded cable. A ground clamp (7640001E) can be applied with a clampstick. Sets are rated for a maximum fault current of 10,000 amps for 10 cycles. Sets come complete with bag; single leads do not. Other lengths and configurations are available.



764015S0

764150025LS0



ES1021015LB

| CAT. NO. | DESCRIPTION | WEIGHT lbs. (kgs) |
|----------|-------------|----------------------|
|----------|-------------|----------------------|

200 AMP ELBOW GROUNDING SETS

DEAD BREAK

| | | |
|-----------|---------------|-----------|
| ES100615 | Single, 15 kV | 8 (3.63) |
| ES1021015 | Set, 15 kV | 20 (9.30) |

LOAD BREAK

| | | |
|-------------|------------------|------------|
| ES100615LB | Single, 15 kV | 9 (4.08) |
| ES1021015LB | Set, 15 kV | 22 (9.98) |
| ES3LY635 | Set, 35 kV | 23 (10.43) |
| ES100625LB | Single, 25/35 kV | 10 (4.53) |
| ES1021025LB | Set, 25/35 kV | 23 (10.43) |

200 AMP GROUNDING BUSHING SETS

DEAD BREAK

| | | |
|-----------|---------------|-----------|
| EB100615 | Single, 15 kV | 8 (3.63) |
| EB1021015 | Set, 15 kV | 20 (9.30) |

LOAD BREAK

| | | |
|-------------|---------------|------------|
| EB100615LB | Single, 15 kV | 9 (4.08) |
| EB1021015LB | Set, 15 kV | 22 (9.98) |
| EB100625LB | Single, 25 kV | 10 (4.53) |
| EB1021025LB | Set, 25 kV | 23 (10.43) |

200 AMP GROUNDING BUSHINGS WITH CONNECTIONS

DEAD BREAK

| | | |
|----------|-------|----------|
| 764015S0 | 15 kV | 1 (0.45) |
|----------|-------|----------|

LOAD BREAK

| | | |
|--------------|-------|----------|
| 764150015LS0 | 15 kV | 2 (0.91) |
| 764150025LS0 | 25 kV | 4 (1.81) |

Optional ground set label available upon request when ordering.



ASTM F855-09 TABLE 1 - PROTECTIVE GROUNDING CLAMP RATINGS

TABLE 1 Protective Ground Cable, Ferrule, Clamp and Assembly Ratings for Symmetrical Current

| Grade | Grounding Clamp Torque Strength, min | | | | Short Circuit Properties ^A | | | | | | | Continuous Current Rating, A RMS, 60 Hz |
|-------|--------------------------------------|-----|----------|-----|---|--------------------|--------------------|---|--------------------|-----------------|--------------------------------|---|
| | Yield ^B | | Ultimate | | Withstand Rating, Symmetrical kA RMS, 60 Hz | | | Ultimate Rating Capacity ^{C,D} , Symmetrical kA RMS, 60 Hz | | | | |
| | lbf-in. | n-m | lbf-in. | n-m | 15 cycles (250 ms) | 30 cycles (500 ms) | Copper Cable Size | 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 | 18 | 13 | 9 | 2/0 | 200 |
| 2 | 280 | 32 | 330 | 37 | 21 | 15 | 1/0 | 29 | 21 | 14 | 4/0 | 250 |
| 3 | 280 | 32 | 330 | 37 | 27 | 20 | 2/0 | 37 | 26 | 18 | 4/0 | 300 |
| 4 | 330 | 37 | 400 | 45 | 34 | 25 | 3/0 | 47 | 33 | 23 | 250 kcmil | 350 |
| 5 | 330 | 37 | 400 | 45 | 43 | 30 | 4/0 | 59 | 42 | 29 | 250 kcmil | 400 |
| 6 | 330 | 37 | 400 | 45 | 54 | 39 | 250 kcmil or 2 2/0 | 70 | 49 | 35 | 350 kcmil | 450 |
| 7 | 330 | 37 | 400 | 45 | 74 | 54 | 350 kcmil or 2 4/0 | 98 | 69 | 48 | 550 kcmil | 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 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 assembly or individual components 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.

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ASTM F855-09 TABLE 2 - GROUNDING CABLE FERRULE AND ASSEMBLY RATINGS

TABLE 2 Ultimate Assembly Rating for High X/R Ratio Applications

| Grade | Size | High Asymmetrical Test Requirements | | | |
|-------|---------|-------------------------------------|------------------------------------|------------------------------|------------------------|
| | | Rating Rated Current (kA) | X/R = 30 | Last Cycle Current Peak (kA) | Test Duration (cycles) |
| | | | 1st Cycle Current Peak (kA) X 2.69 | | |
| 1H | No. 2 | 15 | 41 | 23 | 15 |
| 2H | 1/0 | 25 | 65 | 37 | 15 |
| 3H | 2/0 | 31 | 84 | 46 | 15 |
| 4H | 3/0 | 39 | 105 | 58 | 15 |
| 5H | 4/0 | 47 | 126 | 70 | 15 |
| 6H | 250 MCM | 55 | 148 | 82 | 15 |
| 7H | 350 MCM | 68 | 183 | 101 | 15 |

NOTE 1—The above current values are based on electromechanical test values.

NOTE 2—Assemblies that have been subjected to these shall not be re-used.

NOTE 3—For use with currents exceeding 20 % asymmetry factor.

NOTE 4—See X4.7.2 for additional information.

NOTE 5—Alternate testing circuits are available for laboratories that cannot achieve the above requirements. See Appendix X4 for details.

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TEMPORARY PROTECTIVE GROUNDING EQUIPMENT & ACCESSORIES





ASTM F855-09 TABLE 1 - PROTECTIVE GROUNDING CLAMP RATINGS

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

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ASTM F855-09 TABLE 2 - GROUNDING CABLE FERRULE AND ASSEMBLY RATINGS

TABLE 2 Ultimate Assembly Rating for High X/R Ratio Applications

| Grade | Size | Rating Rated Current (kA) | High Asymmetrical Test Requirements | | Test Duration (cycles) |
|-------|---------|---------------------------|---|------------------------------|------------------------|
| | | | X/R = 30 1st Cycle Current Peak (kA) X 2.69 | Last Cycle Current Peak (kA) | |
| 1H | No. 2 | 15 | 41 | 23 | 15 |
| 2H | 1/0 | 25 | 65 | 37 | 15 |
| 3H | 2/0 | 31 | 84 | 46 | 15 |
| 4H | 3/0 | 39 | 105 | 58 | 15 |
| 5H | 4/0 | 47 | 126 | 70 | 15 |
| 6H | 250 MCM | 55 | 148 | 82 | 15 |
| 7H | 350 MCM | 68 | 183 | 101 | 15 |

NOTE 1—The above current values are based on electromechanical test values.

NOTE 2—Assemblies that have been subjected to these shall not be re-used.

NOTE 3—For use with currents exceeding 20 % asymmetry factor.

NOTE 4—See X4.7.2 for additional information.

NOTE 5—Alternate testing circuits are available for laboratories that cannot achieve the above requirements. See Appendix X4 for details.

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The **BALL STUDS** and the **OFFSET NEMA PAD BALL STUDS** are made from tin-plated copper alloy or copper. They each have a 1" (25.4 mm) diameter ball. Recommended installation torque of 300 in. lbs. The short stud is used conventionally. The long stud can also be used as the grounding point for "C" or Duck bill clamps that have a jaw width of 2.75" or less. The Offset Nema Pad Ball Stud has the standard Nema bolt hole spacing and also comes in both long and short lengths.

The **BALL STUD COVER** is made from orange SALCOR® which allows for multiple angle application when installed using a clampstick.

| CAT. NO. | DESCRIPTION | DIMENSIONS in. (mm) | | | ASTM GRADE | WEIGHT EA. lbs. (kgs) |
|---|--|---------------------|-----------|-------------------|------------|-----------------------|
| | | OAL | THREAD | SHANK | | |
| THREAD SIZE - 1/2" - 13 UNC - 2A | | | | | | |
| 21191 | Ball Stud Short, Tin-Plated Copper Alloy | 4.38 (111) | 2.12 (54) | 1 (25) | 5 | .53 (.24) |
| 7542121BS | Ball Stud, Copper Alloy | 4.7 (119) | 2.25 (57) | 1 (25) | 5 | .56 (.25) |
| 21192 | Ball Stud Long, Tin-Plated Copper Alloy | 6.13 (156) | 2.12 (54) | 2.75 (70) | 5 | .81 (.37) |
| 7542123BST | Ball Stud, Tin-Plated Copper Alloy | 6.78 (172) | 2.5 (64) | 2.875 (73) | 5 | .81 (.37) |
| 7542123BS | Ball Stud, Copper Alloy | 6.78 (172) | 2.5 (64) | 2.875 (73) | 5 | .81 (.37) |
| 7542905BST | 900 Ball Stud, Tin-Plated Copper Alloy | 7 (178)x 5.2 (132) | 2.12 (54) | 5.5 (140), 2 (51) | 3 | 1.25 (.57) |
| THREAD SIZE - 3/8" - 16 UNC - 2A | | | | | | |
| 7542385BST | Ball Stud, Tin-Plated Copper Alloy | 9 (229) | 2.12 (54) | 5.5 (140) | 5 | 1 (.45) |
| NEMA PADS AND POTHEAD STUD | | | | | | |
| 21846 | 90° Offset Nema Pad, Tin-Plated Copper Alloy | 5.75 (147) | - | 2.7 (69) | 5 | 1 (.45) |
| 21228 | Offset NEMA Pad Short, Tin-Plated Copper Alloy | 5.14 (131) | - | 1 (25) | 5 | .84 (.38) |
| 24087 | Offset NEMA Pad Long, Tin-Plated Copper Alloy | 6.9 (175) | - | 2.7 (69) | 5H | 1 (.45) |
| INTERNAL THREAD - 1/2" - 13 UNC - 2A | | | | | | |
| 24082 | Internal Thread Ball Stud, Tin-Plated Copper Alloy | 3.85 (98) | 1.5 (38) | .75 (19) | 5 | .54 (.25) |
| 7542K | 3/4" Ground Knob, Brass | 1.4 (36) | 1 (25) | .75 (19) | 3 | .38 (.17) |
| 7542001BSF | Female Ball Stud, Brass | - | 1.5 (38) | 1 (25) | 2 | .88 (.40) |
| 21236 | Cover for Ball Stud | 3 (76) | n / a | n / a | n / a | .09 (.04) |

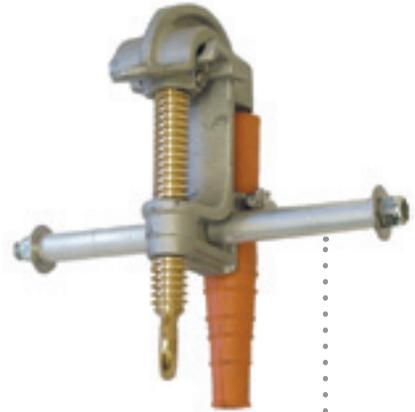
GROUNDING CLAMP HANGER STUDS

HANGER STUDS are designed to be used with all “C” and Duck Bill ground clamps. Hanger Studs are used to hold one clamp of a set while the other is being installed on the de-energized line. Hanger Studs are not designed or tested to carry current.

21754 Grounding Clamp Hanger Stud can only be placed on clamps designed with a screw down strain relief system.

| CAT. NO. | STUD | FOR USE WITH | WEIGHT EA. lbs. (kgs) |
|----------|---------------|---|--------------------------|
| 1858 | Hanger | Aluminum Duck Bill 1", 1.25", 1.66" | .5 (.2) |
| 1928 | Hanger | Aluminum "C" Clamps 1.25", 1.5", 2.4", 3.5" | .5 (.2) |
| 2427 | Double Hanger | Aluminum "C" Clamps 1.25", 1.5", 2.4", 3.5" | .5 (.2) |
| 2537 | Hanger | Aluminum "C" Clamps 1" | .5 (.2) |
| 2093 | Hanger | 556 Bronze Duck Bill, 477 Brz. "C" Clamp | .5 (.2) |
| 9983 | Hanger | Brass 1", 1.25", 2.4" "C" Clamps | .5 (.2) |
| 21754* | Hanger | Bronze 1", 1.25", 2.4" "C" Clamps | .5 (.2) |

*For use with only Plain Ferrule Clamps and Threaded Ferrule Clamps with a screw down strain relief restraint system.



2427



21754*



9983



1928



2537

ADAPTERS & TRUCK GROUNDING REEL



760001HDL

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 is 43 kA for 15 cycles.



7300ABC



7310G



7300AET

| 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) |

“T” HANDLE ADAPTER

| | | |
|-----------|--------------------|------------|
| 760001HDL | “T” Handle Adapter | 0.5 (0.21) |
|-----------|--------------------|------------|

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 and 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 | | | | | |
| 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) |
| HCR1050 | 50' (15.2 m) | 1/0 | 21 kA | 2 | 51 (23.1) |

REELS WITHOUT CABLE

| | | | | | |
|------|------------------------|--|-------|---|-----------|
| HCR1 | Reel only, hand rewind | | 21 kA | 2 | 25 (11.3) |
|------|------------------------|--|-------|---|-----------|

NOTE:

- Reel model HCR1 will store a maximum length of 150 feet (45.8 m) of #2 cable and 85 feet (25.9m) of 1/0 cable.

GROUNDING ACCESSORIES

POLE MOUNTED CONTACT BARS are designed to act as a convenient common point for electrical connections and also as a hanger for grounding sets during installation and removal. Supplied with a chain and an adjustable wheel binder that will accommodate most common pole diameters. Catalog #20880 has one 5/8-11UNC tapped hole for the permanent connection of a ground lead. The Salisbury 21840 is a lighter-weight pole mounted contact bar.

The **POLE BAND** is lightweight and easy to install. It is a required component of equipotential 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 Salisbury 2103 **SCREW TYPE TEMPORARY GROUND ROD** is used when an adequate system ground is not available. The design incorporates a copperweld rod with bronze fittings screwed and pinned on both ends. The terminal on the handle is designed to accept cables equipped with a 5/8-11 UNC threaded ferrule. As an alternative, a "C" clamp may also be attached directly to the ground rod shaft.



9998



21840



76001PB



7542TGK



760045PB

2103

| CAT. NO. | DESCRIPTION | WEIGHT lbs. (kgs) |
|----------------------------|-----------------------------|----------------------|
| TRUCK GROUNDING KIT | | |
| 7542TGK | Truck Grounding Kit w/ Stud | 2 (0.91) |

| CAT. NO. | DESCRIPTION | WEIGHT lbs. (kgs) |
|-------------------------|----------------|----------------------|
| SCREW GROUND ROD | | |
| 2103 | 75" (1.9m)long | 8 (3.6) |

| 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. | ASTM GRADE | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|----------------------------------|---------------|---|--------------------------|
| POLE MOUNTED CONTACT BARS | | | |
| 9998 | 5 | Contact Bar No Connection 40" Chain w/ Adjustable Wheel Binder | 9.1 (4.1) |
| 21840 | 5 | Contact Bar No Connection 40" Chain w/ Adjustable Wheel Binder | 7 (3.3) |
| 20880 | 5 | Contact Bar One Connection 40" Chain w/ Adjustable Wheel Binder | 9.1 (4.1) |



4110



4337



4108



4113



4112



4111

TUBULAR BRUSHES are preferred when rubber gloving or when working on de-energized conductors. The steel bristles are internal to prevent damaging rubber gloves. The 2.5" tubular brush is used in confined areas such as between two connectors or clamps.

The **"V" TYPE WIRE BRUSHES** are available with epoxy-coated handle or universal attachment that can be used with hotsticks. Replacement brushes are available.

| CAT. NO. | DESCRIPTION in. (mm) | WEIGHT EA. lbs. (kgs) |
|----------|---|--------------------------|
| 4108 | Universal Tubular | 1.3 (0.6) |
| 4110 | 5" (127) Tubular | 0.4 (0.2) |
| 4111 | Universal "V" Line Cleaner | 1 (0.5) |
| 4112 | "V" Type handle w/ brushes | 1.2 (0.6) |
| 4113 | "V" Type carton of 10 replacement brushes | 3 (1.4) |
| 4337 | 2.5" (63.5) Tubular | 0.2 (0.1) |

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 a clampstick.

The **200 AMP AND 600 AMP ELBOW CONNECTOR TOOLS** are designed to fit all of the 15 kV 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 may be available upon request.



764150015LGE



9206GAS



9202HQ

| CAT. NO. | DESCRIPTION | WEIGHT lbs. (kgs) |
|---|-------------|----------------------|
| 200 AMP GROUND ELBOW WITH CONNECTIONS DEAD BREAK | | |
| 764015GE | 15 kV | 1 (0.45) |

| | | |
|--|--------------------------|----------|
| 200 AMP GROUND ELBOW WITH CONNECTIONS TLOAD BREAK | | |
| 764150015LGE | 15 kV | 1 (0.45) |
| 764150025LGE | 25/35 kV Small Interface | 2 (0.91) |

| | | |
|-------------------------------------|----------------------|----------|
| 200 AMP ELBOW CONNECTOR TOOL | | |
| 9202Q | Quick Change 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) |

| | | |
|--------------------------------|-------------------------|-----------|
| INSULATED ELBOW REMOVER | | |
| 9206HIP | 6' (1.83 m) with 9202HQ | 11 (4.99) |
| 9208HIP | 8' (2.44 m) with 9202HQ | 12 (5.44) |

| | | |
|--------------|---|----------|
| PARTS | | |
| 9202HQ | Elbow Remover Head with Quick Change | 2 (0.91) |
| 12524HH | Insulated Stick for 2' (0.61 m) Remover | 2 (0.91) |
| 12548HH | Insulated Stick for 4' (1.22 m) Remover | 3 (1.36) |



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 at 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 **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 clampstick tools and connectors. These studs are used for grounding equipment such as non load-break connectors or power distribution connectors.

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.

| CAT. NO. | DESCRIPTION | THREADS | MATERIAL (Stud) | ASTM F855 | | WEIGHT lbs. (kgs) |
|------------------------------------|--|------------|--------------------|-----------|-------------------------|----------------------|
| | | | | GRADE | FAULT DUTY 15 Cycles | |
| 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 (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 clampstick.



| CAT. NO. | DESCRIPTION |
|----------|-------------|
|----------|-------------|

PADMOUNT SWITCH HOOK

| | |
|--------|-------------------|
| 190UGQ | With Quick Change |
| 190UGU | With Universal |

UNDERGROUND SPANNER WRENCH

| | |
|------|-----------------------|
| 1720 | For 600 AMP Connector |
|------|-----------------------|

PLUG INSTALLING TOOL

| | |
|---------|-----------------------------------|
| 172300 | 1/2" (1.3 cm) Female Square Drive |
| 172300Q | Quick Change |

| CAT. NO. | DESCRIPTION | QTY | WEIGHT lbs. (kgs) |
|----------|-------------|-----|----------------------|
|----------|-------------|-----|----------------------|

GROUND ADAPTER DEVICE KIT - NON-LOAD BREAK

| | | | |
|----------|------------------------------------|---|----------|
| 76174459 | Ground Adapter Device Kit with Bag | 1 | 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) |

The **HYDRAULIC CABLE SPIKE** is designed to verify that underground cable, up to 1000 MCM, is de-energized before cutting, repairing, splicing or replacing.

The cable spike, a solid brass body with a stainless steel piercing tip, is fitted to hydraulic compression tools so that the cable can be accurately spiked from a safe distance. An anodized aluminum insert is included to position the cable precisely.

The **CABLE PENETRATING GROUND CLAMP** is designed to be used either as a tool for “spiking” jacketed cable or as a part of a grounding assembly used to bond both ends of an opened cable. The 7/8” long plated steel point is inserted into the eye screw making a low resistant one piece spear. If one point becomes blunted it may be sharpened or replaced with a new spear. Clamps are aluminum body with either smooth or serrated upper jaws. The hard aluminum serrated insert makes optimum contact with the stranded neutral shield.

Adapter fits the following tools:

- Huskie EP610H
- Burndy Y46
- Brock 13-H



WARNING: ELECTRIC SHOCK HAZARD

THIS TOOL IS NOT INSULATED. USE ONLY CERTIFIED, NON-CONDUCTIVE HOSES, DIELECTRIC FLUIDS, AND PROPER PERSONAL PROTECTIVE EQUIPMENT WHEN USING THIS UNIT. FAILURE TO DO SO COULD RESULT IN SEVERE INJURY OR DEATH.

| CAT. NO. | CABLE LENGTH ft (m) | DESCRIPTION SPIKING TOOL & GROUNDING ASSEMBLY: | WEIGHT EA. lbs. (kgs) |
|----------|------------------------|---|--------------------------|
| 24320 | 6 (1.8) | Cable Spiking Tool & Insert 4388 C Clamp | 9.5 (4.3) |
| 24321 | 8 (2.4) | 2139 4/0 Cu Cable 2025 4/0 Cu Ferrules (Pair) | 11.2 (5.1) |
| 24322 | 10 (3) | 616 Bag US Patent # 544 7450 | 12.9 (5.86) |
| RPT1 | - | Replacement Piercing Tip | 1 oz (28 g) |

CABLE PENETRATING GROUND CLAMP - ACME THREAD - POINTED LOWER JAW

| | | | |
|-------|---|---|----------|
| 2607 | - | Aluminum 1.5” Opening, Class B, Serrated Jaw | 1.7 (.8) |
| 20867 | - | Aluminum 2.40” Opening, Class B, Serrated Jaw | 2.2 (1) |
| 4290 | - | Aluminum 2.40” Opening, Class A, Smooth Jaw | 2.1 (1) |

HYDRAULIC GROUND, BLADE, & CABLE SPIKE CLAMPS



1715EPP



17150066

| 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 | 14.5 kA / 15 / 1 | 28 (12.7) |
| 17150060EPP | Spike Point w/ Eye-T Screw | 1715PE / 1200 | 1/0 Clear | 14.5 kA / 15 / 1 | 28 (12.7) |
| 17150060PFP | Spike Point w/ Eye-T Screw | 1715PE / 1200 | 1/0 Clear | 14.5 kA / 15 / 1 | 32 (14.5) |

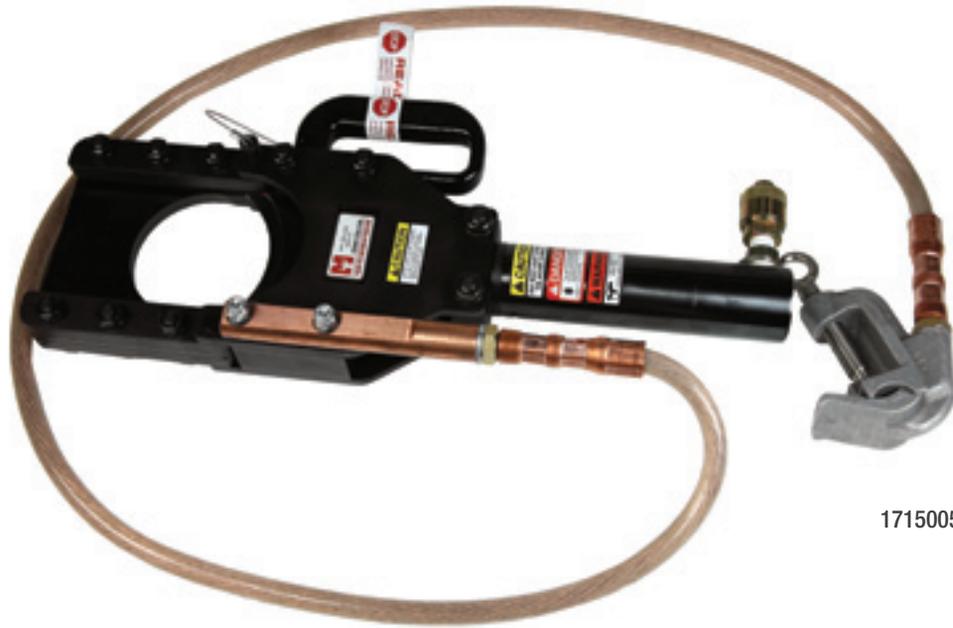
| CAT. NO. | PUMP MDL / P.S.I. | SPIKE DEPTH IN. (CM) | CONDUCTOR MAX CYCLES / GRADE | CABLE ASSEMBLY CABLE | ASTM FAULT / DUTY | WEIGHT lbs. (kgs) |
|---|----------------------|----------------------------|------------------------------------|-------------------------|----------------------|----------------------|
| 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 | 14.5 kA / 15 / 1 | 30 (13.6) |
| 17150063PFP | 1715PF25 / 2500 | 3" | 2 1/4 (5.7) | 1/0 Clear | 14.5 kA / 15 / 1 | 34 (15.4) |
| 17150066 | 1715P392 / 10000 | 6" | 4 1/2 (10.8) | 1/0 Clear | 14.5 kA / 15 / 1 | 85 (38.6) |

NOTE: Suffix EPP = Enerpac Pump Suffix PFP = Porter Ferguson Pump

HAND OPERATED GROUND SPIKE & HYDRAULIC CUTTER SPIKE



1712GA



17150050

| 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"

| | | | | |
|--------|------------------------|---------------------|------------------|----------|
| 1712CS | 3' FG Hndl, Toggle /GA | 1/0 Clear / 760001E | 14.5 kA / 15 / 1 | 15 (6.8) |
| 1712U | Spike Point w/U | 1/0 Clear / 760001E | 14.5 kA / 15 / 1 | 10 (4.5) |
| 1712GA | Spike Point w/GA | 1/0 Clear / 760001E | 14.5 kA / 15 / 1 | 10 (4.5) |

| CAT. NO. | DESCRIPTION | PUMP MDL / P.S.I. | CABLE ASSEMBLY CABLE CYCLES / GRADE | ASTM FAULT / DUTY | 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 | 14.5 kA / 15 / 1 | 23 (10.5) |
| 17150050WPH | Huskie Head | 1715P392 / 10,000 | #2 Clear | 14.5 kA / 15 / 1 | 52 (23.6) |

ACCESSORIES FOR UNDERGROUND SPIKE TOOLS

| CAT. NO. | DESCRIPTION |
|----------|-------------|
|----------|-------------|

SPIKES, BLADES AND TOOL HEADS

| | |
|--------------|---|
| 1710E | Spike Point 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 |



1710E



1715GS

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 |
| 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 |



1715PF

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 |



1715H

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 |



B1715

HOTSTICKS & TOOLS

FIBERGLASS HOTSTICKS STANDARD SPECIFICATIONS

There are a variety of Fiberglass Reinforced Plastic (FRP) constructions used for hotsticks. 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 tubes used in live line tools and IEC 855.

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

Hotstick production is 100% electrically proof tested. Hotstick blanks must pass a test of 100 kV/12" (305 mm) for 5 minutes without detectable heating prior to being accepted. Hot Stick blanks conform with ASTM F711 requirements.



Foam Filled Hot Stick

FAQ

Q: Are rescue sticks required to be periodically electrically tested?

A: Yes, see OSHA 1910.269(j) for specific testing requirements.

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.



Side Opening Hook



9840 Splined
Universal Head

External Rod Clampstick

- TOUGH THERMOPLASTIC HEAD FERRULE
- EZ GRIP PLASTIC HAND GRIP
- WIDE OPENING 15/16" (23.8 MM)
- STAINLESS STEEL HOOK
- HEAVY DUTY RUBBER END CAP

EXTERNAL ROD CLAMPSTICKS are constructed of closed cell foam-filled tubular fiberglass in accordance with ASTM standard F711. The hook's operating rod, made of solid 3/8" (9.5 mm) dia. fiberglass, is mounted on the exterior of the tool so that it can be easily wiped down prior to use.

These Clampsticks meet ASTM F1825 Standards.

| CAT. NO. | LENGTH | | WEIGHT EA. lbs. (kgs) |
|--------------------------------|--------|--------|--------------------------|
| | feet | meters | |
| EXTERNAL ROD CLAMPSTICK | | | |
| 4007* | 4' 8" | 1.32 | 4.2 (1.9) |
| 4008* | 5' 8" | 1.62 | 4.6 (2.1) |
| 4009* | 6' 8" | 1.93 | 5.2 (2.4) |
| 4010* | 8' 8" | 2.54 | 6.2 (2.8) |
| 4011* | 10' 8" | 3.15 | 7.0 (3.2) |
| 4012* | 12' 8" | 3.76 | 7.7 (3.5) |
| 4013* | 14' 8" | 4.37 | 9.4 (4.3) |

EXTERNAL ROD CLAMPSTICK - PLAIN CAP

| | | | |
|-------|------|------|----------|
| 8106C | 6'6" | 1.98 | 5 (2.27) |
|-------|------|------|----------|

*Add a "9864" suffix for a Switch Stick Head or a "9840" suffix for a Splined Universal Head. Clamp sticks may be ordered with these fittings attached to the end by adding the appropriate suffix to the catalog number.

UNIVERSAL SWITCH STICKS

One, two and three section hotsticks have a standard splined universal head. 1.25" dia. switch sticks are supplied with a #9971 Prong. A Heavy Duty Disconnect Prong #9969 is supplied on all others.



9969 Prong



9971 Prong



Universal Switch Stick

| CAT. NO. | DIMENSIONS: DIA. X LENGTH | | WEIGHT EA. lbs. (kgs) |
|--------------------|---------------------------|------------|--------------------------|
| | in x ft. | mm x m | |
| ONE SECTION | | | |
| 4213 | 1.25 x 4 | 31.7 x 1.2 | 2.6 (1.2) |
| 4214 | 1.25 x 6 | 31.7 x 1.8 | 3.4 (1.5) |
| 4215 | 1.25 x 8 | 31.7 x 2.4 | 4.1 (1.9) |
| 4216 | 1.25 x 10 | 31.7 x 3 | 4.9 (2.2) |
| 4217 | 1.25 x 12 | 31.7 x 3.6 | 5.6 (2.5) |
| 4218 | 1.25 x 14 | 31.7 x 4.3 | 6.4 (2.9) |
| 4219 | 1.5 x 8 | 38.1 x 2.4 | 5.4 (2.5) |
| 4220 | 1.5 x 10 | 38.1 x 3 | 6.5 (3) |
| 4221 | 1.5 x 12 | 38.1 x 3.6 | 7.5 (3.4) |
| 4222 | 1.5 x 14 | 38.1 x 4.3 | 8.6 (3.9) |
| 4223 | 1.5 x 16 | 38.1 x 4.9 | 9.8 (4.3) |
| 4225 | 1.5 x 20 | 38.1 x 6 | 11.7 (5.3) |

TWO SECTION

| | OAL Length | | Top | | Bottom | | Weight | |
|------|------------|-----|-----------|------------|-----------|------------|--------|-------|
| | ft. | m | in. x ft. | mm x m | in. x ft. | mm x m | lbs. | (kgs) |
| 4036 | 8 | 2.4 | 1.25 x 4 | 31.7 x 1.2 | 1.25 x 4 | 31.7 x 1.2 | 4.2 | (1.9) |
| 4037 | 10 | 3 | 1.25 x 5 | 31.7 x 1.5 | 1.25 x 5 | 31.7 x 1.5 | 5.2 | (2.2) |
| 4038 | 12 | 3.6 | 1.25 x 6 | 31.7 x 1.8 | 1.5 x 6 | 38.1 x 1.8 | 6.9 | (3.1) |
| 4039 | 14 | 4.3 | 1.25 x 6 | 31.7 x 1.8 | 1.5 x 8 | 38.1 x 2.4 | 7.9 | (3.1) |
| 4040 | 16 | 4.9 | 1.25 x 8 | 31.7 x 2.4 | 1.5 x 8 | 38.1 x 2.4 | 8.6 | (3.9) |
| 4041 | 18 | 5.5 | 1.25 x 8 | 31.7 x 2.4 | 1.5 x 10 | 38.1 x 3 | 9.6 | (4.4) |
| 4042 | 20 | 6 | 1.25 x 10 | 31.7 x 3 | 1.5 x 10 | 38.1 x 3 | 10.4 | (4.7) |

THREE SECTION

| | OAL Length | | Top | | Bottom | | Weight | |
|------|------------|-----|-----------|------------|-----------|------------|--------|-------|
| | ft. | m | in. x ft. | mm x m | in. x ft. | mm x m | lbs. | (kgs) |
| 4043 | 12 | 3.6 | 1.25 x 4 | 31.7 x 1.2 | 1.5 x 4 | 38.1 x 1.2 | 7.7 | (3.5) |
| 4044 | 15 | 4.6 | 1.25 x 5 | 31.7 x 1.5 | 1.5 x 5 | 38.1 x 1.5 | 9.1 | (4.1) |
| 4045 | 18 | 5.5 | 1.25 x 6 | 31.7 x 1.8 | 1.5 x 6 | 38.1 x 1.8 | 10.5 | (4.7) |
| 4046 | 20 | 6 | 1.25 x 8 | 31.7 x 2.4 | 1.5 x 6 | 38.1 x 1.8 | 16.5 | (7.5) |

HEAD ONLY

| | | | | |
|------|------|------|----------------|-----------|
| 9840 | 1.25 | 31.7 | Universal Head | 0.2 (0.1) |
| 9841 | 1.5 | 38.1 | Universal Head | 0.3 (0.1) |



FRP Splices with Button

FIBERGLASS HOT SWITCH STICKS



Fiberglass Hot Switch Stick



Standard Prong (ST)



Heavy Duty Prong (HD)

SWITCH STICKS use closed cell foam filled tubular fiberglass made in accordance with ASTM Standard F711. Both the standard head and the heavy duty prong disconnect are made of durable high strength aluminum bronze alloy.

| CAT. NO. | | DIMENSIONS: DIA. X LENGTH | | WEIGHT EA. |
|--------------------|------|---------------------------|------------|------------|
| HD | ST | in x ft. | mm x m | lbs. (kgs) |
| ONE SECTION | | | | |
| 9950 | 9933 | 1.25 x 4 | 31.7 x 1.2 | 2.1 (1) |
| 9951 | 9934 | 1.25 x 6 | 31.7 x 1.8 | 2.9 (1.3) |
| 9952 | 9935 | 1.25 x 8 | 31.7 x 2.4 | 3.6 (1.6) |
| 9953 | 9936 | 1.25 x 10 | 31.7 x 3 | 4.4 (2) |
| 9954 | 9937 | 1.25 x 12 | 31.7 x 3.6 | 5.1 (2.3) |
| 9955 | 9938 | 1.25 x 14 | 31.7 x 4.3 | 5.9 (2.7) |
| 9956 | 9939 | 1.5 x 8 | 38.1 x 2.4 | 5 (2.3) |
| 9957 | 9940 | 1.5 x 10 | 38.1 x 3 | 6 (2.7) |
| 9958 | 9941 | 1.5 x 12 | 38.1 x 3.6 | 7 (3.2) |
| 9959 | 9942 | 1.5 x 14 | 38.1 x 4.3 | 8.1 (3.7) |
| 9960 | 9943 | 1.5 x 16 | 38.1 x 4.9 | 9.1 (4.1) |
| 9961 | 9944 | 1.5 x 18 | 38.1 x 5.5 | 10.2 (4.6) |
| 9962 | 9945 | 1.5 x 20 | 38.1 x 6 | 11.2 (5.1) |

TWO SECTION

| | | OAL Length | | Top | | Bottom | | Weight lbs. (kgs) |
|------|------|------------|-----|-----------|------------|-----------|------------|----------------------|
| | | ft. | m | in. x ft. | mm x m | in. x ft. | mm x m | |
| 4024 | - | 8 | 2.4 | 1.25 x 4 | 31.7 x 1.2 | 1.25 x 4 | 31.7 x 1.2 | 3.8 (1.7) |
| 4025 | - | 10 | 3 | 1.25 x 5 | 31.7 x 1.5 | 1.25 x 5 | 31.7 x 1.5 | 4.6 (2.1) |
| 4026 | 4016 | 12 | 3.6 | 1.25 x 6 | 31.7 x 1.8 | 1.25 x 6 | 31.7 x 1.8 | 5.3 (2.4) |
| - | 4017 | 14 | 4.3 | 1.25 x 7 | 31.7 x 2.1 | 1.25 x 7 | 31.7 x 2.1 | 6.1 (2.7) |
| 4028 | 4018 | 16 | 4.9 | 1.25 x 8 | 31.7 x 2.4 | 1.5 x 8 | 38.1 x 2.4 | 8 (3.6) |
| 4029 | - | 18 | 5.5 | 1.25 x 8 | 31.7 x 2.4 | 1.5 x 10 | 38.1 x 3 | 9.5 (4.3) |
| 4030 | - | 20 | 6 | 1.25 x 10 | 31.7 x 3 | 1.5 x 10 | 38.1 x 3 | 10.3 (4.6) |

THREE SECTION

| | | OAL Length | | Top | | Bottom | | Weight lbs. (kgs) |
|------|------|------------|-----|-----------|------------|-----------|------------|----------------------|
| | | ft. | m | in. x ft. | mm x m | in. x ft. | mm x m | |
| 4033 | - | 18 | 5.5 | 1.25 x 6 | 31.7 x 1.8 | 1.5 x 6 | 38.1 x 1.8 | 10.4 (4.7) |
| 4034 | 4035 | 20 | 2 | 1.25 x 8 | 31.7 x 2.4 | 1.5 x 6 | 38.1 x 1.8 | 11.1 (5) |

HEAD ONLY

| | | | | | | | | |
|------|------|---|---|------|------|----------------|--|-----------|
| - | 9864 | - | - | 1.25 | 31.7 | Universal Head | | 0.4 (0.2) |
| 9861 | - | - | - | 1.5 | 38.1 | Universal Head | | 0.5 (0.2) |

UNIVERSAL SWITCH STICKS & ACCESSORIES

DOUBLE ENDED & TIE HEADS

FRP SLEEVE SPLICES are fiberglass reinforced plastic with spring loaded push buttons. They sectionize long sticks for easy storage. For splice stick assemblies other than those listed in the catalog consult the factory for quotations.

SPLICE GUARDS reduce the damage to the end of spliced sticks when working with only the top sections.

These foam filled FRP Hot Sticks are manufactured using a pultrusion process that results in a product with extremely high electrical and mechanical qualities.



4182 Cap Splice Guard



FRP Splices with Button

| CAT. NO. | DIMENSIONS | | WEIGHT EA. lbs. (kgs) |
|---------------------------|--------------|--------------|--------------------------|
| | in. | mm | |
| FRP SLEEVE SPLICES | | | |
| 9898 | 1.25 to 1.25 | 31.7 to 31.7 | 0.4 (0.2) |
| 9897 | 1.5 to 1.25 | 38.1 to 31.7 | 0.8 (0.4) |
| 9899 | 1.5 to 1.5 | 38.1 to 38.1 | 0.9 (0.4) |

SPLICE GUARD CAP

| | | | |
|------|-----------|-----------|------------|
| 4182 | 1.25 I.D. | 31.7 I.D. | 0.2 (0.10) |
|------|-----------|-----------|------------|

| CAT. NO. | DIMENSIONS: DIA. X LENGTH | | WEIGHT EA. lbs. (kgs) |
|----------|---------------------------|--------|--------------------------|
| | in. x ft. | mm x m | |

DOUBLE ENDED UNIVERSAL

| | | | |
|------|-----------|------------|-----------|
| 4230 | 1.25 x 6 | 31.7 x 1.8 | 3.3 (1.5) |
| 4231 | 1.25 x 8 | 31.7 x 2.4 | 4 (1.8) |
| 4232 | 1.25 x 10 | 31.7 x 3 | 4.8 (2.2) |
| 4233 | 1.25 x 12 | 31.7 x 3.6 | 5.5 (2.5) |
| 4234 | 1.25 x 14 | 31.7 x 4.3 | 6.3 (2.8) |

UNIVERSAL W/ ROTARY PRONG OR BLADE

| | | | | |
|------|--------------|----------|------------|-----------|
| 4084 | Rotary Prong | 1.25 x 6 | 31.7 x 1.8 | 3.8 (1.7) |
| 4085 | Rotary Prong | 1.25 x 8 | 31.7 x 2.4 | 4.5 (2) |

UNIVERSAL W/ DOUBLE PRONG

| | | | | |
|------|--|----------|------------|-----------|
| 4088 | | 1.25 x 6 | 31.7 x 1.8 | 3.8 (1.7) |
| 4089 | | 1.25 x 8 | 31.7 x 2.4 | 4.5 (2) |



4084 Rotary Prong



4088 Double Prong Head



Double Ended Universal Switch Stick



Quick Change Head

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 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) |
|------------------------------------|---------------------------------|----------------------|
| 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) |
| 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) |

TOGGLE HANDLE FIBERGLASS CLAMPSTICKS

MAKE THE JOB EASIER

Specialized Toggle Handle Increases Leverage.

The toggle handle fiberglass hot switch sticks and clampsticks include a bendable handle that provides increased leverage when needed.

FIBERGLASS HOT SWITCH STICKS 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 before and after every use.

All **FIBERGLASS CLAMPSTICKS** are fixed length external rod fiberglass clampsticks which maintain maximum dielectric strength. A full open side hook provides an unobstructed view of the hook. The molded, insulated head provides a larger opening. The precision cast slide gives complete control and an extra firm grip. The hook release mechanism is easy to operate and the extended length spear provides an easy method of locating the eye of hot taps that are other-wise hard to locate.

All fiberglass used is tested at 50 kV / 6 inches (100 kV / foot) and meets the dielectric leakage requirements of ASTM F711.

Other lengths available upon request. Bag not included.

TOGGLE MAXIMUM TORQUE RATING: 60 FOOT POUNDS.

| CAT. NO. | DESCRIPTION | 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) |
| 12548HE | 1 1/4" x 4' (3.2 cm x 1.22 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) |
| 12548UE | 1 1/4" x 4' (3.2 cm x 1.22 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) |
| TOGGLE HANDLE & CLAMPSTICK | | |
| 8104E | 4'6" (1.37m) OAL Toggle Handle Fiberglass Clampstick | 4.5 (2.04) |
| 8106E | 6'6" (1.98m) OAL Toggle Handle Fiberglass Clampstick | 5 (2.27) |
| 8108E | 8'6" (2.59m) OAL Toggle Handle Fiberglass Clampstick | 6.5 (2.95) |





1CQ



2CQ



4DQ

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) |
|------|--------------|--------------|----------|

MECHANICAL HAND HEAD ONLY

| | | | |
|-----|---------------------------------|---|----------|
| 1CQ | Mechanical Hand w/ Quick Change | - | 1 (0.45) |
| 1CU | Mechanical Hand w/ Universal | - | 1 (0.45) |

WIRE CLAMP STICK

| | | | |
|---------|---------------------------|--------------|----------|
| 2FGQ | Quick Change | 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) |

WIRE CLAMP HEAD ONLY

| | | | |
|-----|------------------------|---|----------|
| 2CQ | Wire with Quick Change | - | 3 (1.36) |
|-----|------------------------|---|----------|

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) |

ALLIGATOR HEAD ONLY

| | | | |
|-----|-----------------------------|---|----------|
| 4DQ | Alligator with Quick Change | - | 1 (0.45) |
| 4DU | Alligator with Universal | - | 1 (0.45) |

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" (1.98 m) | 6 (2.72) |
| 501FGQ | Quick Change | 8' (2.43 m) | 7 (3.18) |
| 501FGU | Universal | 8' (2.43 m) | 7 (3.18) |

PIGTAIL HEAD ONLY

| | | | |
|------|-------------------------|-----------------|----------|
| 5C2Q | Pigtail w/ Quick Change | 7/8" (2.2 cm) | 1 (0.45) |
| 5C2U | Pigtail w/ Universal | 7/8" (2.2 cm) | 1 (0.45) |
| 5C3Q | Pigtail w/ Quick Change | 1 1/2" (3.8 cm) | 1 (0.45) |
| 5C3U | Pigtail w/ Universal | 1 1/2" (3.8 cm) | 1 (0.45) |
| 5C4Q | Pigtail w/ Quick Change | 2" (5.1 cm) | 1 (0.45) |
| 5C4U | Pigtail w/ Universal | 2" (5.1 cm) | 1 (0.45) |

STRANDED WIRE HOLDING STICK

| | | | |
|--------|--------------|---------------|----------|
| 121FGQ | Quick Change | 6'6" (1.98 m) | 6 (2.72) |
|--------|--------------|---------------|----------|

STRANDED WIRE HEAD ONLY

| | | | |
|-------|-------------------------------|---|----------|
| 121CQ | Stranded Wire w/ Quick Change | - | 2 (0.91) |
|-------|-------------------------------|---|----------|

CABLE HANDLER

| | | | |
|-------|-----------------|---------------|----------|
| 50206 | Handle and head | 6'6" (1.98 m) | 3 (1.36) |
| 50208 | Handle and head | 8' (2.44 m) | 4 (1.81) |
| 5020H | Head only | - | 1 (0.45) |



SECTIONALIZER KIT & INSULATING LINK STICKS



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.

The **INSULATING LINK STICKS** are designed to isolate rope, hoists, and blocks being used between energized conductors and a pulling device. They 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. | 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) |

| 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) |

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.

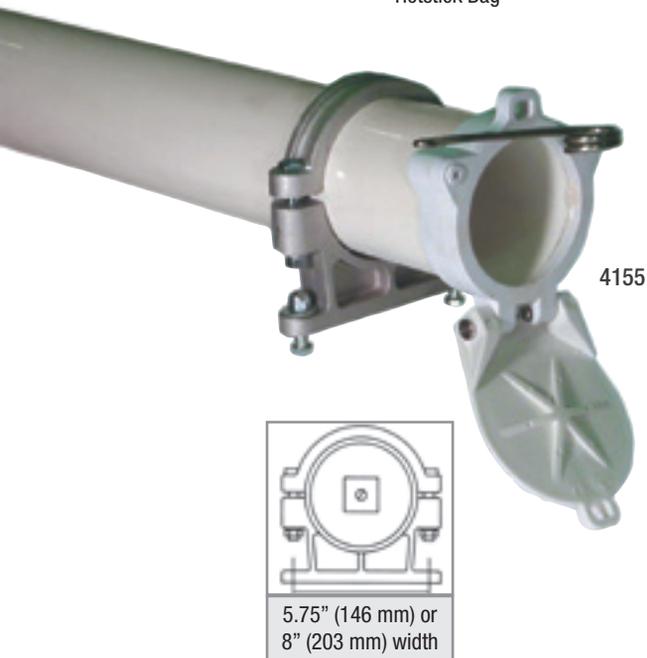
HANDLE CLEANER is formulated to clean and condition fiberglass handles. Removes moisture and other contaminants such as dirt, tar and grease without harming finish and leaves a thin water-repellent coating.

| CAT. NO. | DESCRIPTION | SIZE | WEIGHT oz (g) |
|-------------------------------|--|---------------------------|------------------|
| HEXAGONAL FERRULES | | | |
| 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) |
| 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) |
| HEXAGONAL FERRULE KITS | | | |
| 4EK001 | 5/8"-11 - Zinc | 1 1/4" (3.2 cm) | 4 (124) |
| 5EK001 | 5/8"-11 - Zinc | 1 1/2" (3.8 cm) | 4 (124) |
| UNIVERSAL FERRULE KITS | | | |
| 4UK001 | Aluminum with Thumb Screw | 1 1/4" (3.2 cm) | 4 (124) |
| 5UK001 | Zinc/Bronze with Thumb Screw | 1 1/2" (3.8 cm) | 4 (124) |
| HANDLE 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 (.530) |
| CAPS | | | |
| C100 | 1" (2.5 cm) Cap | - | - |
| C125 | 1 1/4" (3.2 cm) Cap | - | - |
| C150 | 1-1/2" (3.8 cm) Cap | - | - |





Hotstick Bag



5.75" (146 mm) or 8" (203 mm) width

SALCOR® TOOL HOLDERS secure tools to trailers, compartments and tool rooms. 12 per package.

HOTSTICK BAGS are constructed of heavy vinyl with double stitched seams. Flaps snap closed. 6" (152mm) wide and designed to hold sticks up to 4" (102mm) shorter than bag length shown on chart.

TUBULAR PVC STORAGE CONTAINERS provide weather tight storage. Kit includes two mounting brackets and four steel bolts with each 6" (152 mm) I.D. or 4.1" (104 mm) tube. Sized for tools 12" (305 mm) shorter than tube. Four mounting bolts 3/8" x 1.5" (9.5 x 38 mm) are supplied with each container. Kit may be ordered without tubing or with mounting brackets only.

| CAT. NO. | DESCRIPTION | WEIGHT EA. lbs. (kgs) |
|----------|-------------------------------|--------------------------|
| 1192 | 1.25 (32 mm) I.D. Tool Holder | 3.5 (1.6) |

| CAT. NO. | DESCRIPTION /LENGTH feet (meters) | WEIGHT EA. lbs. (kgs) |
|----------|--------------------------------------|--------------------------|
|----------|--------------------------------------|--------------------------|

HOTSTICK BAGS

| | | |
|------|-------------|----------|
| 4297 | 5 (1.5) | .7 (.3) |
| 4298 | 6 (1.8) | .8 (.3) |
| 4299 | 6' 4" (1.9) | .9 (.4) |
| 4300 | 7 (2) | 1 (.4) |
| 4301 | 8' 4" (2.5) | 1.1 (.5) |
| 4302 | 9 (2.7) | 1.2 (.5) |
| 4303 | 10' 4" (3) | 1.4 (.6) |

4" I.D. TUBULAR PVC STORAGE KIT

| | | |
|------|----------|----------|
| 4155 | 7 (2.13) | 17 (7.7) |
| 4156 | 9 (2.74) | 20 (9) |

6" I.D. TUBULAR PVC STORAGE KIT

| | | |
|------|----------|-----------|
| 4167 | 6 (1.82) | 20 (9) |
| 4168 | 7 (2.13) | 22 (10) |
| 4169 | 9 (2.74) | 26 (11.7) |

| CAT. NO. | DESCRIPTION/DIMENSIONS in. (mm) | WEIGHT EA. lbs. (kgs) |
|----------|---|--------------------------|
| 9822 | Kit for 6" (152) I.D. 6.6" (168) O.D. | 8 (3.5) |
| 9823 | Kit for 4.1" (104) I.D. 4.5" (114) O.D. | 6 (2.7) |
| C4007 | I.D. 4" (102) 7' (2.13 m) | 19 (8.62) |
| C4009 | I.D. 4" (102) 9' (2.75 m) | 22 (9.98) |
| C4011 | I.D. 4" (102) 11' (3.35 m) | 26 (11.79) |
| C4013 | I.D. 4" (102) 13' (3.96 m) | 29 (13.15) |

CONTAINER KITS

| | | |
|--------|----------------------------|----------|
| C4000 | Kit w/o Lock I.D. 4" (102) | 6 (2.72) |
| C4000L | Kit w/ Lock I.D. 4" (102) | 9 (4.08) |

RESCUE HOOK & STATIC DISCHARGE STICK

INSULATED RESCUE HOOK - Salisbury's insulated rescue hook is an invaluable tool for any workplace. It is used to release a victim from contact. Confined spaces, in vaults, or just near electrical cabinets and switch gear are some of the places where this tool is a must. Insulated rescue hooks feature a foam-filled, fiberglass reinforced handle for superior electrical insulation and a coated, heat treated body hook with an 18" opening and are made in accordance with ASTM Standard F711. The stick is available in the standard lengths of 6 and 8 feet. Other lengths are available as a special order. Contact us with your requirements.

STATIC DISCHARGE STICK - The Static Discharge Stick is designed to safely remove the static charge after de-energizing. This tool is pre-assembled and includes a brass alloy "U" hook, closed cell foam-filled tubular fiberglass switch stick made in accordance with ASTM Standard F711. Static discharge sticks have 6 feet of copper grounding cable attached to a Salisbury 1814 flat jaw, grade 3, bronze serrated clamp with strain relief.

| CAT. NO. | DESCRIPTION / ft. (m) | WEIGHT lbs. (kgs) |
|------------------------------|-------------------------------|----------------------|
| INSULATED RESCUE HOOK | | |
| 24400 | Rescue Hook 3' (0.9 m) length | 3.4 (1.5) |
| 24401 | Rescue Hook 6' (1.8 m) length | 4.5 (2) |
| 24403 | Rescue Hook 8' (2.4 m) length | 5.5 (2.5) |

| STATIC DISCHARGE STICK | | |
|-------------------------------|--|------------|
| 20817 | Static Discharge Stick OAL 3'8" (1.08 m) length | 8 (3.6) |
| 22629 | Static Discharge Stick w/ Universal Attachment 1' (0.3 m) length | .38 (0.17) |



WARNING: DISCHARGE STICKS ARE NOT GROUNDING TOOLS AS DESCRIBED BY OSHA 1910.269 AND CARRY NO FAULT DUTY RATING.

24401
Rescue Hook
(Shown with Tool Holder)



20817

**22629 STATIC DISCHARGE STICK
W/ UNIVERSAL ATTACHMENT**





1930535415Q

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.

| 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 | | | |
| 1925MC | Mounting Clip | 3 oz (0.084) | |
| 1925DMC | Mounting Clip with Hardware | 4 oz (0.112) | |

TOOL HEADS 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 end fittings available. All tools have one of these three fittings.



Quick Change End Fitting

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 end fitting to an insulating handle.

Universal End Fitting

Gives the user the option to position and secure an universal tool head at several angles. It also allows meters to be attached to universal handles. Universal fittings can be installed on universal sticks by using the 2500 shotgun adapter.

Grip All or Eye Screw End Fitting

For use with the clamp stick. The hook from the clamp stick is hooked through the eye hole of the eye screw, then drawn into the clamp stick and secured.



Safety Clip for Quick Change

Locks a quick change tool head to handle.
320E .1 oz (3 g)



Convertible Adapter

3401Q Changes QC to U 1 lbs. (0.45 kgs)
3401TS Thumb Screw Only 1 lbs. (0.45 kgs)



Convertible Adapter

2500 Shotgun Adaptor .4 lbs (.2 kgs)



Bayonet Ferrule

Installs/removes ground heads with bayonet studs.
98B* 1 lbs. (0.45 kgs)



Toggle & Spring

The 1/2" (1.3 cm) square drive converts handles into a socket stick.
5900* 2 lbs. (0.91 kgs)



Handle Splice Joint & Spring

Splices two handles together creating a flexible handle.
3302* 2 lbs (0.91 kgs)

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



Pin Holder for Clevis-Type Insulators
2900* 1 lbs. (.45 kgs)



Convertible Adapter
3402Q Changes QC to GA 8 oz (224 g)



Convertible Adapter
3402U Changes GA to U 6 oz (168 g)



Cotter Key Installer
3500* 1 lbs. (.45 kgs)



Wrench Attachment
9* 2 lbs. (0.91 kgs)



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



Ratchet Wrench
4115 1/2" (12.7 mm) sq. drive .5 lbs. (.22 kgs)



Screwdriver
13* Screwdriver 8 oz (0.23 kgs)



Hammer
165* 1 lbs. (0.45 kgs)



Quick Change Handle Splice Joint
3301 2 lbs (0.91 kgs)



Flex Head Socket Wrench
4114 1.2 lbs (.5 kgs)



Clamp Stick Head
9834 Clamp Stick Head 1.4 lbs (.6 kgs)



Alligator
4D* Alligator 1 lbs. (0.45 kgs)



Universal System Tool Blanket Pin
UST 1 lb. (.45 kgs)



Adjustable Insulator Fork
8300* 2 lbs. (0.91 kgs)



Mechanical Hand
1C* 1 lbs. (0.45 kgs)



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



Prong Disconnect
9970 .4 lbs (.2 kgs)

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

TOOLS

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



Cotter Key Remover

11* Remover 12 oz (.38 kgs)
1101* Spring Loaded Remover 12 oz (.38 kgs)



Locating Drift

Use where aligning or hardware fitting is difficult.
8A* 2 lbs. (.91 kgs)



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)



Line Hose Applicator

2" x 18" (5.1 x 45.7 cm) jaws
1680* 4 lbs (1.81 kgs)



Chuck Blank

Inside Depth: 1/2" x 1 1/2" (13 x 38 mm)
9838 .4 lbs (.2 kgs)



Hanging Hook

Attaches to all fiberglass handles.
190HC 3 oz. (84 kgs)



Rotary Prong Tie Head

4099 .6 lbs (.27 kgs)



Pointed Disconnect

9839 .4 lbs (.2 kgs)



Double Prong Tie Head

4101 .5 lbs (.22 kgs)



Light Duty Cutout Prong

9971 .4 lbs (.2 kgs)



Insulator Fork

Used in handling ball and socket insulators.
8301* 2 lbs. (0.91 kgs)



Heavy Duty Disconnect Head

9969 .6 lbs (.3 kgs)



Convertible Adapter

5/8" - 11 Internal Thread
3403 Changes QC to U 3 oz (93 g)



Switch Hook

190* 8 oz. (0.25 kgs)



Dead End Automatic Sleeve Applicator

Dia. 1/4" to 1 1/2" (6.4 to 38 mm)
16 2 lbs. (0.91 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 (7.9 mm, 2.2 cm) (0.91 kgs)
- 3601* Opening min. 1/2" max. 1-1/2" 3 lbs. (1.3 cm, 3.8 cm) (1.36 kgs)



GA Adapter w/ Square Drive & Spring-Loaded Socket

- 3402L5934 1/2" (1.3 cm) Square Drive
- 3/4" (1.9 cm) Socket
- 2 lbs (0.91 kgs)



Pig Tail

- 5C2* 7/8" (2.2 cm) opening 1 lbs. (.45 kgs)
- 5C3* 1-1/2" (3.8 cm) opening 2 lbs. (.91 kgs)
- 5C4 2" (5.1 cm) opening 2 lbs. (.91 kgs)



Tree / Wire Hook

- 4236 .36 lbs (.2kgs)



Pig Tail Disconnect

- 9878 .4 lbs (.2 kgs)



- 4108 Tubular Line Cleaner 1.3 lbs (.6 kgs)
- 4109 Replacement Brush .5 lbs (.22 kgs)



- 4111 "V" Line Cleaner 1.3 lbs (.6 kgs)
- 4113 Replacement Brushes (10) 3 lbs (1.4 kgs)



- 152* "V" Brush 1.5 lbs. (0.68 kgs)
- 152B Replacement Brush 3 ozs. (.09 kgs)



- 1520010GAH Brush w/ Handle & Cover 1 lbs. (0.45 kgs)



- 1521* Semi-Tube Brush 1.5 lbs. (0.68 kgs)
- 1521B Replacement Brush 12 ozs. (0.37 kgs)



- 1521003* Semi-Tube Side Brush 1.5 lbs. (0.68 kgs)



- 4103 Handle for Pruning Saw .5 lbs (.22 kgs)

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

TOOLS



Mounted on 12" (30.6cm) fiberglass pole
 4105 Tree Pruner - Universal
 25' (7.62 m) of line
 4 lbs. (1.81 kgs)

7992FGQ Tree Pruner - Quick Change
 12' (3.06m) of line
 4 lbs. (1.81 kgs)



4102 Fixed Blade Tie Head .5 lbs (.22 kgs)



4100 Rotary Blade Tie Head .7 lbs (.3 kgs)



4104 Pruning Saw w/ 18" (457 mm) blade
 .5 lbs (.22 kgs)



4106 Curved Blade Skinning Knife
 .4 lbs (.2 kgs)

4107 ReplaCement Blade .1 lbs (.04 kgs)



7991* Pruning Saw w/ 14" (35.6 cm)
 1 lbs. (0.45 kgs)

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



Test Point Cap Seal Cleaner
 1520006* 1lbs. (0.45 kgs)



Wire Gauges
 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

ARMOR ROD TOOLS, JUMPER HEADS & PENTA SOCKETS



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.

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) |
|------------------------|-----------------------|----------------------|
| ARMOR ROD TOOLS | | |
| 124* | Armor Rod Applicators | 2 (0.91) |
| 1241* | Formed Wire Tools | 2 (0.91) |

| PENTA SOCKET | | |
|---------------------|--|----------------------|
| CAT. NO. | DESCRIPTION | WEIGHT lbs. (kgs) |
| 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) |



| 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) |

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

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" (3.2 cm).



| 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) |
| 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) |



CONNECTOR TOOL HEADS & PARALLEL GROOVE CLAMP



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 **WISE 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 | | |
| 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) |

HAND TOOLS

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.

| 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) |
| 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) |





3008FG

LIVE LINE LEVER CUTTERS are compound shear cutters 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.

| 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) |
| 672 | 36" (91.4 cm) | 7 (3.18) |
| ACSR CUTTERS WITH PERMANENT HEADS | | |
| 67130ACFG | 30" (76.2 cm) 34" (86.4 cm) | 5 (2.27) |

| CAT. NO. | MAXIMUM CABLE SIZE | | | HANDLE Length | WEIGHT lbs. (kgs) |
|--|--------------------|----------------|-----------------|------------------|----------------------|
| | Copper Power | Aluminum Power | Communication | | |
| 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

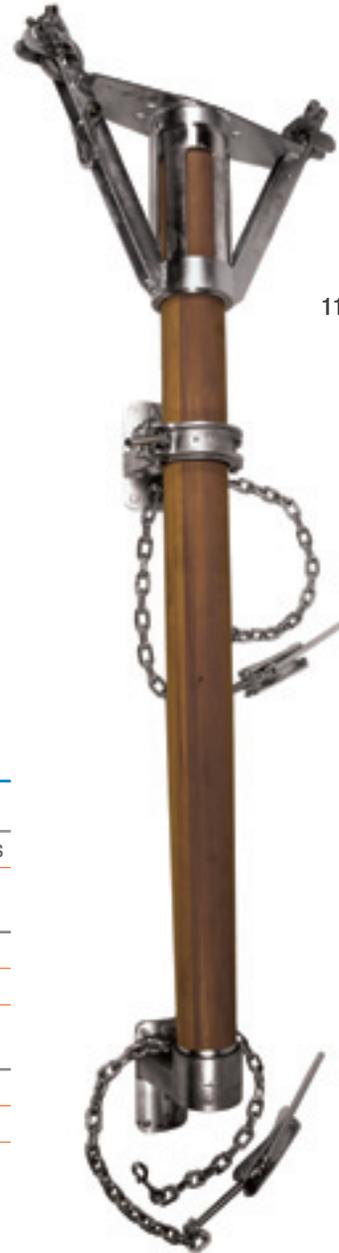
TRANSFORMER GIN ASSEMBLIES are designed to lift transformers, cross arms and other items used in pole construction. Assembly consists of a pole with ferrules, top fitting, center fitting, base fitting and protective bag for the pole. Has a balanced or *unbalanced safe working load limit of 2,500 lbs. (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.

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.



WARNING: TAGGING LOADS WORKING LOAD LIMIT SUBJECT GIN TO SIDE LOADING THAT WILL REDUCE WLL.



112

| 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) | - |



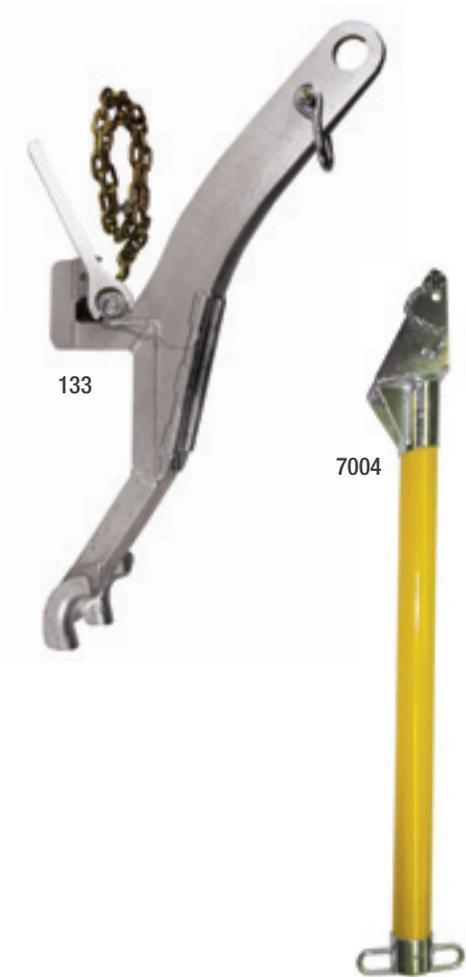
100TR



8200



8200S



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. Included shims are needed for smaller arms.

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.



| 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 |

GROUND ROD DRIVERS & FRAMING JACK

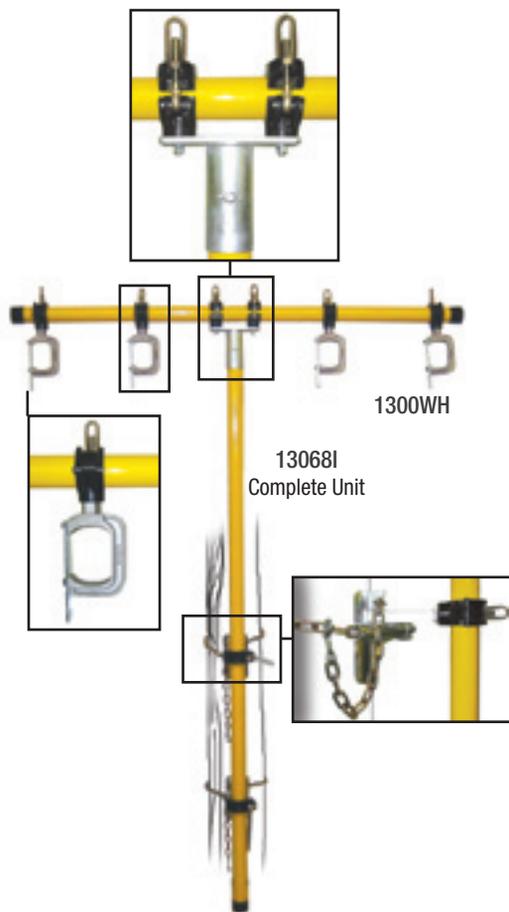
GROUND ROD DRIVERS are 60" (1.52 m) long and drives 5/8" (1.6 cm) ground rods deep by concentrating impact directly to the rod. Light-weight and easy-to-use. Drives 1/2" (1.3 cm) ground rods with less effort than conventional methods. Discs surrounding the handle protect hands from walls, shrubbery and the sliding parts.

ADAPTER for 5/8" (1.6 cm) ground rod are available.

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. (1,357 kgs).

| CAT. NO. | DESCRIPTION | LENGTH | WEIGHT lbs. (kgs) |
|---------------------------|----------------------------------|--------------|----------------------|
| GROUND ROD DRIVERS | | | |
| 1350 | Ground Rod Driver | 60" (1.52 m) | 45 (20.40) |
| ADAPTERS | | | |
| 1350058A | For 5/8" (1.6 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) |





156024NI

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).

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)

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.

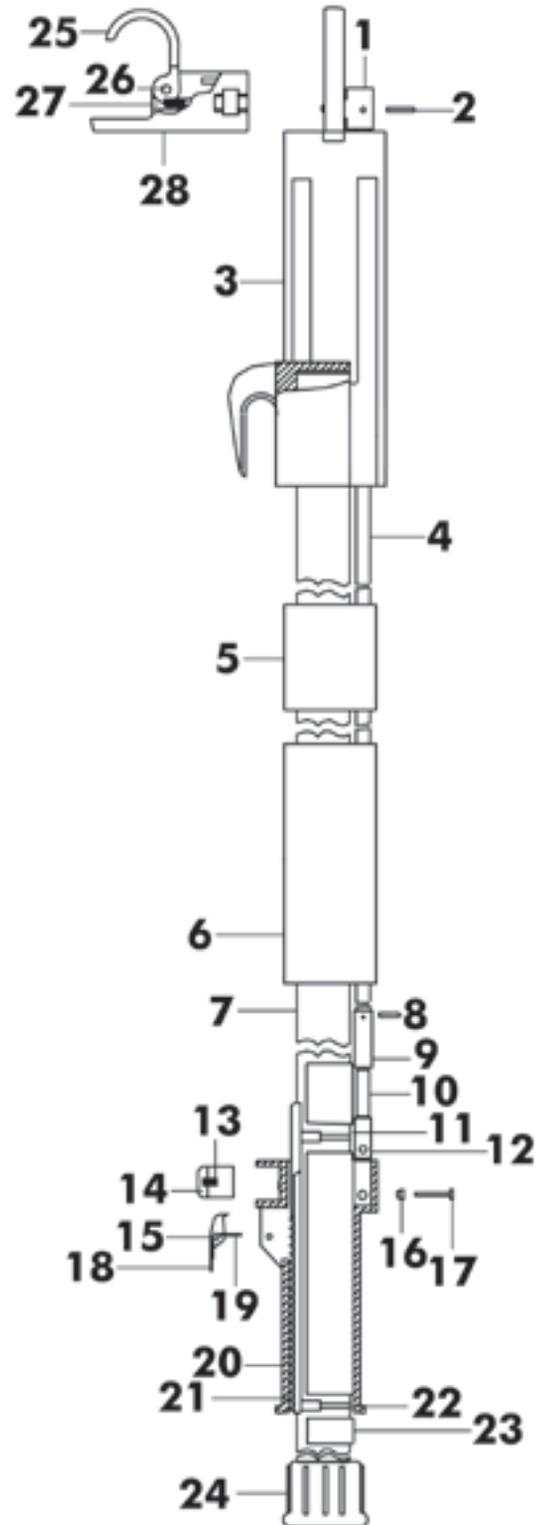
| CAT. NO. | NUMBER OF WIRE HOLDERS | ARM Length | WEIGHT lbs. (kgs) |
|---|--------------------------|-------------------|-------------------|
| TEMPORARY SIDE ARM - POLE MOUNTED NYLON STRAP BINDER WITH INSULATORS | | | |
| 156024NI | 2 | 4' (1.22 m) | 17 (7.71) |
| NYLON STRAP BINDER WITHOUT INSULATORS | | | |
| 156024N | 2 | 4' (1.22 m) | 16 (7.26) |
| CAT. NO. | FOR CROSS ARM SIZE | WEIGHT lbs. (kgs) | |
| TEMPORARY SIDE ARM - CROSS ARM MOUNTED WITH INSULATORS | | | |
| 15466I | 6" x 6" (15.2 x 15.2 cm) | 23 (10.43) | |
| CAT. NO. | WEIGHT lbs. (kgs) | | |
| TEMPORARY TRANSFER ARMS WITH INSULATORS | | | |
| 13068I | 65 (29.48) | | |
| TEMPORARY TRANSFER ARMS WITHOUT INSULATORS | | | |
| 13068 | 65 (29.48) | | |
| TEMPORARY TRANSFER ARMS INSULATORS | | | |
| 1309GIB | 1 (0.45) | | |
| WIRE HANGER WITHOUT INSULATORS | | | |
| 1300WH | 3 (1.36) | | |
| TEMPORARY SIDE ARM WIRE HANGER WITHOUT INSULATORS | | | |
| 1309D | 2.5 (1.13) | | |

FIBERGLASS HOT CLAMPSTICKS REPAIR PARTS LIST

EXTERNAL ROD

| REF. NO. | CAT. NO. | DESCRIPTION |
|----------|----------|--|
| 1 | 20178 | Guide Assembly |
| 2 | 20260 | Roll Pin .125" Dia. x .5" Lg. (3.2 x 13 mm) |
| 3 | 20174 | Ferrule |
| 4* | 20265-1 | Operating Rod |
| 5* | 20381 | Operating Rod Guide |
| 6 | 20250 | Handguard Sleeve |
| 7 | 20114 | Hotstick Blank 1.25" Dia. (32 mm) |
| 8 | 20262 | Roll Pin .125 Dia. x .56 Lg. (3.2 x 14 mm) |
| 9 | 20251 | Operating Rod Connector |
| 10 | 20258 | Hex Socket Set Screw .375-16 x 1.25 |
| 11 | 20257 | Flat Head Screw 10-32 x 1.125 Lg. (254-813 x 29) |
| 12 | 20253 | Adjustment Block |
| 13 | 20254 | Compression Spring |
| 14 | 20139 | Button |
| 15 | 20263 | Roll Pin .125 Dia. x .75 Lg. (3.2 x 19) |
| 16 | 20445 | 10-32 Hex Jam Nut |
| 17 | 20443 | Hex Head Machine Screw 10-32 x 1.25 |
| 18 | 20140 | Trigger |
| 19 | 20255 | Torsion Spring |
| 20 | 20141 | Handgrip |
| 21 | 20142 | Rack for Handgrip |
| 22 | 20257 | Flat Head Screw 10-32 x 1.125 Lg. (254-813 x 29) |
| 23 | 20252 | Handgrip Sleeve |
| 24 | 1959 | End Cap |
| 25 | 20176 | Jaw Hook |
| 26 | 20332 | Roll Pin .25 Dia. x .47 Lg. (6 x 12) |
| 27 | 20470 | Hook Spring |
| 28 | 20177 | Hook Holder |

| ASSEMBLY NO. | DESCRIPTION | CONSIST OF PARTS |
|--------------|---------------|------------------|
| 4317 | Hook Assembly | 25, 26, 27, 28 |



INSULATORS



INSULATORS





SILICONE COMPOSITE INSULATORS combine the technologies of a fiberglass reinforced rod, metal fittings and our extensive knowledge of elastomeric insulation to produce a high quality composite insulator. Since 1980, thousands of Silicone Insulators have been installed by utilities worldwide in a variety of environments. Continued outstanding performance is proof of their superior quality and design.

DESIGN: Unibody Design insulators are one-piece injection molded directly to the rod and sealed to the end fittings with a bead of silicone to give the insulator high dielectric strength and protect it from all environmental conditions. This design is used for standard distribution dead end/suspension insulators.

FIBERGLASS ROD: A high quality fiberglass reinforced rod is the core of every insulator with ultimate mechanical strength at least twice the maximum working load.

END FITTINGS: Standard distribution dead/end suspension units are supplied with clevis and tongue fittings meeting ANSI C29 specifications. Ball, socket and eye fittings are also available. All are made of hot dipped galvanized high strength carbon steel and have an ultimate tensile strength rating of 15,000 pounds. All end fittings on dead/end suspension insulators are attached by compression. Every insulator is proof tested to verify the crimp.



Unibody insulators have end fittings sealed with silicone to eliminate any possibility of moisture or contamination from reaching the fiberglass rod.

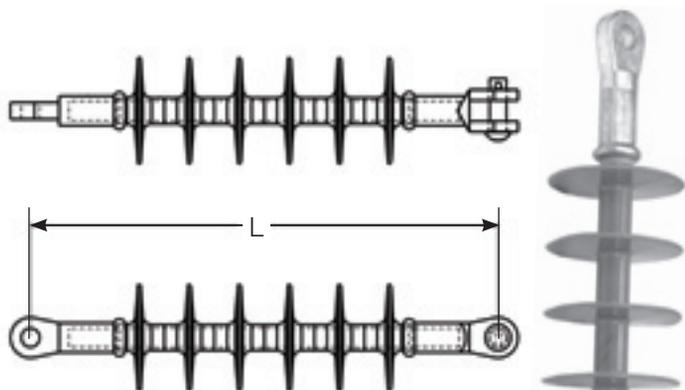
ISULATORS SPECIFICATION

| | | | | | |
|--------------------|-----------------------------------|--------------|----------|----------|----------|
| Dimensions | Rated Voltage (KV) | | 15 | 25 | 35 |
| | Section Length (mm) | | 345 ± 15 | 430 ± 35 | 525 ± 55 |
| | Leakage Distance (mm) | | 430 | 640 | 850 |
| | Minimum Arcing Distance (mm) | | 210 | 301 | 398 |
| Electrical Ratings | Low Frequency Flashover | Dry | 100 | 131 | 166 |
| | Voltage Test (60Hz) (KV) | Wet | 82 | 111 | 138 |
| | Critical Impulse Flashover | Positive | 159 | 221 | 279 |
| | Voltage Test (KV) | Negative | 185 | 251 | 320 |
| | Radio Influence Voltage Data (µV) | Max. Voltage | < 1 | < 1 | < 1 |
| Mechanical Ratings | Failing Load Test (KG) | | >7000 | >7000 | >7000 |
| | Number of Sheds | | 4 | 6 | 8 |

SI SERIES SILICONE INSULATOR

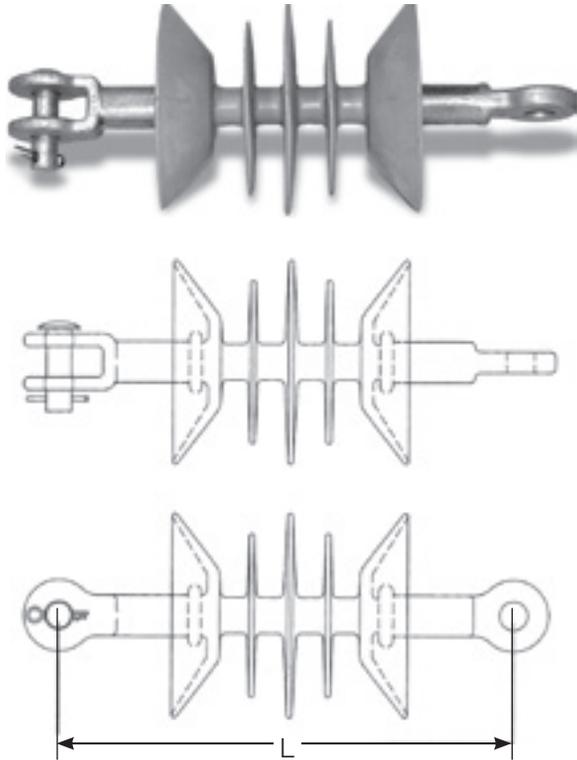
15KV TO 35KV DEAD END/SUSPENSION, TONGUE & CLEVIS

THE SI SERIES OF SILICONE INSULATORS features a silicone formulation weathershed material. Salisbury combined the excellent hydrophobic and electrical qualities of silicone with an optimum weathershed design and corrosion resistant fiberglass rod to produce a state-of-the-art insulator which meets or exceeds industry requirements. The insulators were tested in accordance with ANSI C29 and IEC1109. End fittings are hot dipped galvanized high strength carbon steel, providing a 15,000 pound ultimate tensile strength. 100% proof testing ensures trouble-free installation. **RUS ACCEPTED.**



| | | 9501U-SI | 9502U-SI | 9503U-SI |
|--|-------------------------|---------------|---------------|---------------|
| Class | | DS-15 | DS-28 | DS-35 |
| No. of Weathersheds | | 4 | 6 | 8 |
| Length-in (m) | | 13.5 (.34) | 17.5 (.45) | 21.3 (.54) |
| Dia. of Weathersheds-in (mm) | | 3.8 (97) | 3.8 (97) | 3.8 (97) |
| Leakage Distance-in (m) | | 17.1 (.44) | 26 (.66) | 35.1 (.89) |
| Dry Arc Distance-in (m) | | 8.4 (.22) | 12.13 (.31) | 16 (.41) |
| Flash Over Voltage | Critical Impulse, Pos | 173 | 217 | 258 |
| | Critical Impulse, Neg | 250 | 310 | 340 |
| | Dry, 60 Hz | 97 | 145 | 168 |
| | Wet, 60Hz | 67 | 115 | 137 |
| Radio Influence | Test, kV Ground | 15 | 25 | 25 |
| | Max RIV-1000kHz μ V | 1 | 1 | μ V |
| Ultimate Strength | lbs. | 15,000 | 15,000 | 15,000 |
| FRP Rod Dia.-in (mm) | | .73 (18.63) | .73 (18.63) | .73 (18.63) |
| Typ. Appl-kV, \emptyset-\emptyset | | 15 | 27 | 35 |
| Net Weight ea.-lbs. (kgs) | | 2.6 (1.20) | 3.1 (1.39) | 3.5 (1.57) |

Unibody insulators have end fittings sealed with silicone to eliminate any possibility of moisture or contamination from reaching the fiberglass rod.



The **9502L-EP SILICONE INSULATOR** combines two essential characteristics: Performance and Innovation

PERFORMANCE - The 9502L-EP is the only composite insulator manufactured as a replacement for two 10" (254mm) porcelain disks. Installation is limited to horizontal dead-end applications only.

INNOVATION - Unlike any other insulator on the market, the unique shed design of the 9502L-EP minimizes the material content without compromising electrical or dimensional requirements.

End fittings are hot dipped galvanized high strength carbon steel.

Must be used as a dead end insulator only.

RUS ACCEPTED.

| | | 9502L-EP |
|---|-------------------------|-----------------|
| No. of Weathersheds | | 5 |
| Length-in (m) | | 11.5 (. 29) |
| Dia. of Weathersheds-in (mm) | | 5 (127) |
| Leakage Distance-in (m) | | 22 (. 56) |
| Electrical | Critical Impulse | 189 |
| Ratings | Dry, 60 Hz | 116 |
| kV | Wet, 60 Hz | 92 |
| Radio | Test--kV Ground | 20 |
| Influence | Max RIV--1000Hz μ V | 1 |
| Typ. Appl--kV, \emptyset-\emptyset | | 27 |
| Ultimate Strength-SML- lbs / kN | | 15000 / 70 |
| Net Weight ea.-lbs (kgs) | | 2.8 (1.3) |

National Disaster Response Program

After Hours Emergency Customer Service



*Do you know what to do
in times of disaster?*

*Do you know who to contact
in case of emergency?*

**You can count on Salisbury,
to be there when you need it most.**



Salisbury understands your safety needs. But, Salisbury also understands that your safety needs don't always happen between 9 am and 5 pm. This is why Salisbury has developed the National Disaster Response Emergency Contact.

Salisbury's National Disaster Response will be able to help your emergency safety product orders and customer service needs. While facing national disasters and weather related catastrophes, Salisbury will be there.

NATIONAL DISASTER RESPONSE PROGRAM: After Hours Emergency Customer Service

You can now contact Salisbury after regular business hours during severe emergencies using our new **NATIONAL DISASTER RESPONSE** Contact Line. This new contact line allows product ordering, even after-hours and weekends. A National Disaster Response Team is ready to fulfill your emergency order requirements around the clock during national and international severe weather or natural disasters such as Winter Ice Storms, Tornadoes, Tropical Storms, Hurricanes and Earthquakes.

Our team is ready to fulfill emergency orders of Personal Protective Equipment and Linemen Utility Products required to (1) Restore electrical power and utilities to U.S. and Global regions as a result of natural disaster and (2) provide Personal Protective Equipment to the Industrial or Utility work force resulting from natural disaster.

National Disaster Response emergency contact
for after-hours and weekend emergencies as defined above.

866-957-7515

*National Disaster Response After-Hours
Emergency Contact*

Salisbury Customer Service Department
in Bolingbrook, IL during regular business hours:

877-406-4501

*Monday - Friday 7:30 am - 5:00 pm
Central Standard Time*

VOLTAGE DETECTORS



VOLTAGE DETECTORS

VOLTAGE DETECTION APPLICATION CHART

GREEN - RECOMMENDED FOR USE.

The cells highlighted in green identify appropriate detector settings for a given system voltage.

YELLOW - SUITABLE FOR USE ONLY UNDER SPECIAL CIRCUMSTANCES.

The cells highlighted in yellow may be used in special circumstances. These circumstances may include the detection of voltage on an under-built circuit with induced voltage sufficient to cause a detection alarm. For example: In the 25kV setting the tester may not detect lower voltages at the required 8 to 10 inches from the conductor. However it may detect lower induced voltage, e.g. 5kV at 1" from the conductor.

RED - NEVER SELECT A DETECTOR SETTING INDICATED BY A RED CELL FOR A GIVEN SYSTEM VOLTAGE.

The detector may not indicate voltage present and serious injury or death may result.

SALISBURY

by Honeywell

| Detector setting | System Voltage - (Phase to Phase/Phase to Ground) | | | | | | | | | | | | | | | | | |
|----------------------|---|--------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|
| | 4160 2400 | 8320 4800 | 12000 6930 | 12470 7200 | 13200 7620 | 13800 7970 | 20780 12000 | 22860 13200 | 24940 14400 | 34500 19920 | 46000 26560 | 69000 39840 | 115000 66400 | 138000 79670 | 161000 92950 | 230000 132790 | 345000 199190 | 500000 288680 |
| 240 v | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green |
| 4.2kV | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green |
| 15kV | Red | Yellow | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green |
| 25kV | Red | Yellow | Yellow | Yellow | Yellow | Yellow | Green | Green | Green | Green | Green | Green |
| 35kV | Red | Red | Yellow | Yellow | Yellow | Yellow | Yellow | Yellow | Yellow | Green | Green | Green | Green | Green | Green | Green | Green | Green |
| 46kV | Red | Red | Red | Yellow | Yellow | Yellow | Yellow | Yellow | Yellow | Green | Green | Green | Green | Green | Green | Green | Green | Green |
| 69kV | Red | Red | Red | Red | Red | Red | Yellow | Yellow | Yellow | Green | Green | Green | Green | Green | Green | Green | Green | Green |
| 115kV | Red | Red | Red | Red | Red | Red | Red | Red | Yellow | Yellow | Yellow | Green | Green | Green | Green | Green | Green | Green |
| 230kV | Red | Red | Red | Red | Red | Red | Red | Red | Red | Red | Yellow | Yellow | Green | Green | Green | Green | Green | Green |
| 345kV | Red | Red | Red | Red | Red | Red | Red | Red | Red | Red | Red | Yellow | Yellow | Yellow | Yellow | Green | Green | Green |
| 500kV | Red | Red | Red | Red | Red | Red | Red | Red | Red | Red | Red | Red | Yellow | Yellow | Yellow | Yellow | Green | Green |
| URD TEST POINTS ONLY | | | | | | | | | | | | | | | | | | |
| 15kV URD | Red | Yellow | Yellow | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green |
| 25kV URD | Red | Red | Yellow | Yellow | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green |
| 35kV URD | Red | Red | Red | Yellow | Yellow | Yellow | Yellow | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green | Green |

The above matrix identifies Salisbury by Honeywell Models 4244, 4544, 4344, 4644, 4444, 4744, voltage detector applications settings for given system voltage. By selecting a detector voltage higher than the system voltage setting, the sensitivity of the detector is reduced and it may not detect the system voltage tested. Always install an appropriate grounding system before working on any conductors.

| CAT. NO. | | DIMENSIONS in. (mm) | SETTINGS PHASE TO PHASE | WEIGHT EA. lbs. (kgs) |
|------------|-----------------|------------------------|--|--------------------------|
| STD. MODEL | SELF TEST MODEL | | | |
| 4244 | 4544 | 11 x 3.5 (279.4 x 89) | Off / 240 V / 4.2 kV / 15 kV / 25 kV / 35 kV / 69 kV / 115 kV / 230 kV | 0.937 (.43) |
| 4344 | 4644 | 11 x 3.5 (279.4 x 89) | Off / 240 V / 4.2 kV / 35 kV / 69 kV / 115 kV / 230 kV / 345 kV / 500 kV | 0.937 (.43) |
| 4444 | 4744 | 11 x 3.5 (279.4 x 89) | Off / Test-240 V / Battery / URD:15 kV / 25 kV / 35 kV Overhead: 4.2 kV / 15 kV / 25 kV / 35 kV / 46 kV / 69 kV | 0.937 (.43) |

FAQ

Q: Are there any precautions, besides wearing the proper safety equipment, when using voltage detectors?

A: Yes, do not assume conductors that have been tested de-energized will stay de-energized. Always install proper grounding devices before working. Failure to do so may result in serious injury or death.



SELF TESTING VOLTAGE DETECTOR KITS - Salisbury's self-testing voltage detectors allow testing to be continuous and automatic. An intermittent flash and beep confirms the detector is functioning properly.

Self-testing voltage detectors are used to verify live or de-energized conductors. These detectors may be used with insulating rubber gloves or hotsticks using the splined universal end fitting. Testers indicate voltage with an extra bright LED light and a distinctive audible signal. It is recommended that the tester be moved closer to the conductor until a warning is indicated, or it touches the conductor, apparatus or test point. Each tester includes three "C" batteries.

The need for additional PPE can be minimized by confirming that there is no electrical hazard present before work is performed. This can be determined by using a Salisbury voltage detector attached to a insulating hotstick of a length long enough to keep the worker outside of the arc flash boundary.

The Salisbury voltage detector alarms in the proximity of electric fields, so that it is not necessary to make physical contact with the equipment being checked. It is made of non-conductive materials, meaning that it will not conduct electricity nor will it cause an arc flash, even if contact with energized equipment is made.

WARNING



Do not assume conductors that have been tested de-energized will stay de-energized. Always install proper grounding devices before working. Failure to do so may result in serious injury or death.

| CAT. NO. | DIMENSIONS in. (mm) | SETTINGS PHASE TO PHASE | WEIGHT EA. lbs. (kgs) |
|----------|------------------------|---|--------------------------|
| 4544 | 11 x 3.5 (279.4 x 89) | Off / 240 V / 4.2 kV / 15 kV / 25 kV / 35 kV / 69 kV / 115 kV / 230 kV | 15 oz. (.4) |
| 4644 | 11 x 3.5 (279.4 x 89) | Off / 240 V / 4.2 kV / 35 kV / 69 kV / 115 kV / 230 kV / 345 kV / 500 kV | 15 oz. (.43) |
| 4744 | 11 x 3.5 (279.4 x 89) | Off / Test-240 V / Battery / URD:15 kV / 25 kV / 35 kV Overhead: 4.2 kV / 15 kV / 25 kV / 35 kV / 4 6kV / 69 kV | 15 oz. (.43) |
| 4745 | 11 x 3.5 (279.4 x 89) | Off / Test-240 V / Battery / URD:4.8 kV / 7.2 kV / 16 kV Overhead: 2.4/4.2 kV / 4.8/8.3 kV / 8.0/13.8-7.2 / 12.5 kV / 14.4/25-16/27.6 kV / 44 kV | 15 oz. (.43) |

COMPLETE KIT

| | | |
|------|---|---------|
| 4556 | 1-4544 Detector 240 V to 230 kV, 1-21517 Case, 1-2500 Shotgun Adapter | 2 (.91) |
| 4667 | 1-4644 Detector 240 V to 500 kV, 1-21517 Case, 1-2500 Shotgun Adapter | 2 (.91) |
| 4769 | 1-4744 Detector 240 V to 69 kV, 1-21517 Case, 1-2500 Shotgun Adapter | 2 (.91) |

ACCESSORIES

| | | |
|-------|--|---------|
| 2500 | Shotgun Adapter | .4 (.2) |
| 21517 | 12 x 8 x 4.5 (305 x 203 x 114) Storage Case | 1 (.45) |

VOLTAGE DETECTORS

AUDIO / VISUAL

VOLTAGE DETECTORS are used to verify live or de-energized conductors. These detectors may be used with rubber insulating gloves or hotsticks using the splined universal end fitting. Testers indicate the presence of voltage with an extra bright LED light and a distinctive audible signal. It is recommended that the tester be moved closer to conductor until warning is indicated, or it touches conductor, apparatus or test point. Test the unit on a nearby energized conductor. Each tester requires three “C” batteries (included).

The **4445 VOLTAGE DETECTOR TESTER** provides the most convenient and reliable means of verifying operation of Salisbury Voltage Detectors. The tester features instant push-button operation and requires a standard 9-volt battery (included). It's portable and lightweight. To operate, push the button and move the tester toward the voltage detector being verified. The tester generates an electric field that activates the detector verifying the audible and visual signals are operational.



TEST PROCEDURES

Test Procedures

To assure unit is in operable condition switch tester into “Test-240V” position. The detector may now be tested in several different ways.

1. Place head as marked against live wire outlet or equivalent above 110 V.A.C.
2. Rub the head as marked on cloth or clothing to obtain static charge. Unit will only indicate intermittently.

WARNING



DO NOT ASSUME CONDUCTORS THAT HAVE BEEN TESTED DE-ENERGIZED WILL STAY DE-ENERGIZED. ALWAYS INSTALL PROPER GROUNDING DEVICES BEFORE WORKING. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY OR DEATH.

| CAT. NO. | DIMENSIONS in. (mm) | SETTINGS PHASE TO PHASE | WEIGHT EA. lbs. (kgs) |
|----------|------------------------|---|--------------------------|
| 4244 | 11 x 3.5 (279.4 x 89) | Off / 240 V / 4.2 kV / 15 kV / 25 kV / 35 kV / 69 kV / 115 kV / 230 kV | 15oz. (.43) |
| 4344 | 11 x 3.5 (279.4 x 89) | Off / 240 V / 4.2 kV / 35 kV / 69 kV / 115 kV / 230 kV / 345 kV / 500 kV | 15oz. (.43) |
| 4444 | 11 x 3.5 (279.4 x 89) | Off / Test-240 V / Battery / URD: 15k V / 25 kV / 35 kV Overhead: 4.2 kV / 15 kV / 25 kV / 35 kV / 46 kV / 69 kV | 15oz. (.43) |

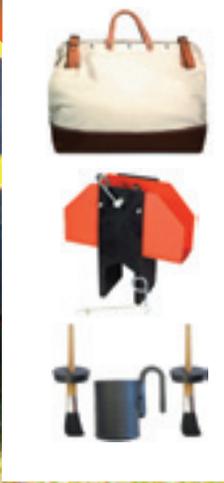
COMPLETE KIT

| | | | |
|------|---|---|---------|
| 4356 | - | 1-4244 Detector 240 V to 230 kV, 1-21517 Case, 1-2500 Shotgun Adapter | 2 (.91) |
| 4367 | - | 1-4344 Detector 240 V to 500 kV, 1-21517 Case, 1-2500 Shotgun Adapter | 2 (.91) |
| 4469 | - | 1-4444 Detector 240 V to 69 kV, 1-21517 Case, 1-2500 Shotgun Adapter | 2 (.91) |

ACCESSORIES

| | | DESCRIPTION | |
|-------|--------------------------------|-------------------------|---------|
| 2500 | - | Shotgun Adapter | .4 (.2) |
| 21517 | 12 x 8 x 4.5 (305 x 203 x 114) | Storage Case | 1 (.45) |
| 4445 | - | Voltage Detector Tester | 1 (.45) |
| 21600 | - | Replacement Handle | - |

ACCESSORIES



ACCESSORIES



ALSO AVAILABLE

Salisbury offers an entire line of Arc Flash Protective Clothing and Equipment ranging from 8 cal/cm² to 100 cal/cm².

Ask your local Salisbury representative for a copy of our Arc Flash Protection Catalog or download it from our website at www.salisburybyhoneywell.com.

Salisbury also offers Salisbury Insulated Tools and Tool Kits.

These tools are all tested to 10,000 VAC for use up to 1,000 VAC. These tools meet or exceed ASTM F1505-01 and IEC 900 Standards for Insulated Hand Tools and will help you to be compliant with OSHA 1910.333 (c)(2), and NFPA 70E 2009. Ask your local Salisbury representative for more information or visit our website at www.salisburybyhoneywell.com.





30



50C w/PH55



40

SALISBURY TOOL BUCKETS are constructed of extra-heavy-duty canvas duck and reinforced with a one-piece formed leather bottom with a 3" (76 mm) cuff for rugged service and long life. The standard tool buckets, 30 and 40, are both collapsible for easy storage and feature a poly braid rope handle. The 30 features a 6" x 8" interior pocket. The oval tool bucket, 50, designed to attach to aerial baskets, features 6 inner tool pockets and two plastic hanging hooks.

SALISBURY TOOL BAGS are useful for carrying and storing all sorts of equipment and tools. Constructed for long life and rugged service from one piece of #8 natural canvas fastened to a steel frame. The vinyl coated nylon bottom is cemented and double stitched to the bag and protected with steel studs and a reinforcing 3.5" (89 mm) cuff. Handles are made from a heavy polypropylene webbing and straps are made of top grain harness leather.

LINE HOSE AND BLANKET BAGS are convenient for raising and lowering bulky items up and down a pole, as well as for storage. Constructed of #6 duck, sewn with nylon thread and reinforced with a heavy rubber bottom. Features a top ring to hold the bag open and a strong 1/2" (12.7 mm) poly braid rope handle, reinforced with polymer. 8" (178 mm) diameter bags are used for conventional style line hose, while the 12" (305 mm) diameter bags were designed for Class 4 extended lip line hose.

| CAT. NO. | DIMENSIONS in. (mm) | WEIGHT EA. lbs. (kgs) |
|--|--------------------------------|--------------------------|
| STANDARD TOOL BUCKETS | | |
| 30 | 12 x 16 (305 x 406) | 3.2 (1.45) |
| 40* | 8 x 14 (203 x 356) | 2 (.91) |
| OVAL TOOL BUCKET | | |
| 50C* | 7 x 14 x 10 (1715 x 356 x 254) | 2.5 (1.14) |
| PH55 | yellow vinyl hooks for #50C | .5 (.23) |
| STANDARD TOOL BAGS- 5.5" (140 mm) WIDE | | |
| 616 | 16 x 13.5 (406 x 343) | 3.3 (1.5) |
| 618 | 18 x 15.5 (457 x 394) | 3.8 (1.73) |
| 620 | 20 x 15.5 (508 x 394) | 4.2 (1.91) |
| 622 | 22 x 15.5 (559 x 394) | 4.3 (1.95) |
| 624 | 24 x 15.5 (610 x 394) | 4.5 (2.04) |
| EXTRA WIDE TOOL BAGS-9.5" (241 mm) WIDE | | |
| 2419B | 24 x 19 (610 x 483) | 4.1 (1.86) |
| LINE HOSE BAGS | | |
| 48* | 8 x 48 (178 x 1219) | 2.8 (1.27) |
| 60* | 8 x 60 (178 x 1524) | 3.0 (1.36) |
| 66* | 8 x 66 (178 x 1676) | 3.3 (1.5) |
| 72* | 8 x 72 (178 x 1829) | 3.5 (1.59) |
| 1248* | 12 x 48 (305 x 1219) | 3.8 (1.73) |
| 1266* | 12 x 66 (305 x 1676) | 5.3 (2.41) |
| BLANKET BAG | | |
| 1230 | 12 x 30 (305 x 762) | 3.2 (1.45) |

*add suffix "S" if optional iron swivel snap is desired

ACCESSORIES & SPECIAL EQUIPMENT

COMPOUND POTS are made of hard rubber that is non-conductive and breakage resistant. The applicator brush and compound are held in one unit that can be hung from aerial devices or fit into cross arm holes. Offered in single and double compartment styles.

CABLE BANDAGES provide temporary insulation for bare conductors and splices. A single thickness of the orange SALCOR® Bandage can withstand 15kV on puncture test. The black neoprene bandage is intended to provide fast and complete temporary cover for cable splicers.

INSULATING SADDLES are ideal for temporary or emergency line work such as stringing light conductors over short spans. The large 3" (76 mm) upper saddle opening will hold bare or insulated conductors in either an upright or inverted position. The IS10 has a voltage rating of 15kV. When necessary to leave energized conductors or jumpers in the saddle for extended periods, it is recommended that they be encased in orange SALCOR® Rib-Grip® line hose. Molded of hard rubber and furnished with two nylon holding pins supplied with steel loops for easy hot-stick application. A 12" (305 mm) orange plastic shoe is affixed to the crossarm opening to help prevent flashover during inclement weather. Designed to fit crossarms with dimensions up to 3.75" x 5" (95 mm x 127 mm).

BELT HOOK/BREAK-AWAY is non-conductive yellow nylon hand-line belt hook that will bend or break if suddenly pulled.

CLIMBER GUARDS are furnished un-slit to accommodate any length, regular or adjustable climbers. Sold in pairs only.

| CAT. NO. | DESCRIPTION in. (mm) | WEIGHT EA. lbs. (kgs) |
|--|--|--------------------------|
| COMPOUND POT SINGLE COMPARTMENT | | |
| PJB1 | 1 pt. w/ bristle brush, 4.5" x 3.5" (114 x 89) | 1.5 (.681) |
| PJB2 | 1 pt. w/ wire brush, 4.5" x 3.5 (114 x 114) | 1.5 (.681) |
| CABLE BANDAGES | | |
| 414PG | Pure Gum Rubber, 14' (4.3 m) w/o strap | 1 (.5) |
| 414BN | Black Neoprene, 14' (4.3 m) w/o strap | 1 (.5) |
| INSULATING SADDLE | | |
| IS10 | 11.25 x 4.75 (286 x 121) | 4 (1.8) |
| ISP | Replacement Pin | .25 (.1) |
| BELT HOOK / BREAK-AWAY | | |
| H7 | Break-Away Belt Hook | 1 oz. (.03) |
| CLIMBER GUARDS | | |
| 21187 | Sold in pairs | .5 (.23) |



HAND LINES, HAND LINE ASSEMBLIES & LINE HOOKS



42



149H



40H



40HPP



40SHB



27



27A



27S

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.

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 in. (cm) | LENGTH ft. (m) | APPROX. TENSILE STRENGTH lbs. (kgs) | WEIGHT / REEL lbs. (kgs) |
|----------|----------------------|-------------------|---|-----------------------------|
|----------|----------------------|-------------------|---|-----------------------------|

POLYPROPYLENE AND POLYESTER (POLYDAC) ROPE

| | | | | |
|----------|-----------|------------|---------------|-----------|
| 5000E600 | 1/2 (1.3) | 600 (82.9) | 5,400 (2,449) | 40 (18.1) |
|----------|-----------|------------|---------------|-----------|

| CAT. NO. | DESCRIPTION | TOTAL ROPE LENGTH ft. (m) | FOR POLE HEIGHT lbs. (kgs) | WEIGHT lbs. (kgs) |
|----------|-------------|---------------------------------|----------------------------------|----------------------|
|----------|-------------|---------------------------------|----------------------------------|----------------------|

HAND LINE ASSEMBLIES WITH POLYDAC ROPE

| | | | | |
|---------|---|------------|-----------|-----------|
| 1491250 | Standard Hand Line, Fixed 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) |

| CAT. NO. | DESCRIPTION | WLL lbs. (kgs) | WEIGHT lbs. (kgs) |
|----------|-------------|-------------------|----------------------|
|----------|-------------|-------------------|----------------------|

PARTS

| | | | |
|------|---------------------------|--------------|----------|
| 42 | Hand Line Block (only) | - | 2 (0.91) |
| 149H | Hook for Hand Line (only) | 500 (226.79) | 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) |
| 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) |

BLOCKS & SAFETY HOOKS

BLOCKS are made of high strength aluminum alloy. 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).

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) |
|---|--|----------------------|-------------------|
| BLOCKS | | | |
| 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) |
| WOOD SHELL BLOCKS - SINGLE BLOCK WITH SWIVEL HOOK & BECKET | | | |
| 904 | 4" (10.2 cm) | 2 (0.91) | 1,000 (454) |
| 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) |
| NYLON BLOCKS | | | |
| 3101E | Single Block with Swivel Hook & Becket | 1 (0.45) | 500 (227) |
| 3102W | Double Block with Flat Hook & Becket | 2 (0.91) | 1,000 (454) |
| SAFETY HOOK | | | |
| 4003SH | Conductor Lifting Hook | 6.2 (2.8) | 2,000 (907) |



42S



4003SH

26K



26E



3115ES



266

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).

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).

| CAT. NO. | DESCRIPTION / 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) |
| DOUBLE ARM SLING | | |
| 266 | With 2 Steel Snatch Blocks | 750 (340) |

National Disaster Response Program

After Hours Emergency Customer Service



*Do you know what to do
in times of disaster?*

*Do you know who to contact
in case of emergency?*

**You can count on Salisbury,
to be there when you need it most.**



Salisbury understands your safety needs. But, Salisbury also understands that your safety needs don't always happen between 9 am and 5 pm. This is why Salisbury has developed the National Disaster Response Emergency Contact.

Salisbury's National Disaster Response will be able to help your emergency safety product orders and customer service needs. While facing national disasters and weather related catastrophes, Salisbury will be there.

NATIONAL DISASTER RESPONSE PROGRAM: After Hours Emergency Customer Service

You can now contact Salisbury after regular business hours during severe emergencies using our new **NATIONAL DISASTER RESPONSE** Contact Line. This new contact line allows product ordering, even after-hours and weekends. A National Disaster Response Team is ready to fulfill your emergency order requirements around the clock during national and international severe weather or natural disasters such as Winter Ice Storms, Tornadoes, Tropical Storms, Hurricanes and Earthquakes.

Our team is ready to fulfill emergency orders of Personal Protective Equipment and Linemen Utility Products required to (1) Restore electrical power and utilities to U.S. and Global regions as a result of natural disaster and (2) provide Personal Protective Equipment to the Industrial or Utility work force resulting from natural disaster.

National Disaster Response emergency contact
for after-hours and weekend emergencies as defined above.

866-957-7515

*National Disaster Response After-Hours
Emergency Contact*

Salisbury Customer Service Department
in Bolingbrook, IL during regular business hours:

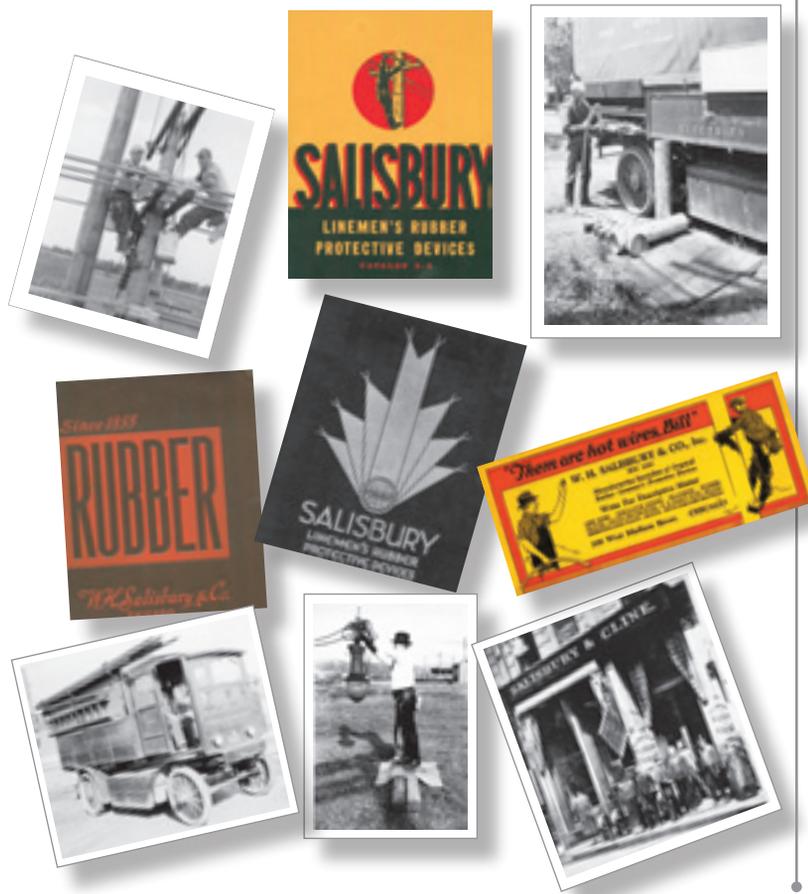
877-406-4501

*Monday - Friday 7:30 am - 5:00 pm
Central Standard Time*

Salisbury has been setting industry standards since 1855. For over 150 years, Salisbury Electrical Safety and its predecessors has been the name an entire industry trusts to provide the finest safety products available. Salisbury pioneered the manufacturing of linemen's Rubber Protective Equipment in the early 1920's.

Back in the early 1900's, Salisbury was approached by a local utility in the Chicago area about general safety. The question raised was how to create a safer working environment for linemen working on energized lines. Salisbury worked with the local utility by taking garden hose and cutting them lengthwise in a way that would cover the lines. These hoses were then secured by electrical tape and this led to the Salisbury patent of line hose in 1924. Over the years, line hose has evolved into the high-quality SALCOR® rubber product you have come to expect.

Today, **Salisbury and its Salisbury by Honeywell brand products are the leaders in Personal Electrical-Safety Protection.** We know that lives depend on the quality of our products, Salisbury's production facilities are **all ISO 9001:2008 registered** and are equipped and staffed to manufacture products which conform to the highest possible standards. This has allowed Salisbury by Honeywell to become the **world-wide leader in electrical safety equipment.** Salisbury has three plants which manufacture Personal Protective Equipment, Hot Line Equipment, and SALVAR® Polymer Insulators. Salisbury produces its rubber products in its own plants using four methods of rubber manufacturing: Injection Molding, Compression/Transfer Molding, Extruding and Dipping. Salisbury dedication to quality has also been carried over to the manufacturing of Hot Line Tools and SALVAR® Insulators. As a result, **the name Salisbury by Honeywell on safety products is your assurance that you are using the finest equipment available for the job.**



- 1855 Founded in Chicago by John B. Idson. First organization in the Mid-West serving as an independent rubber products dealer.
- 1871 After a complete loss in the great Chicago Fire, organization opens with a belting and hose line of products. Company becomes Salisbury & Cline.
- 1880 Company becomes W.H. Salisbury & Co.
- 1902 Established leather belt factory.
- 1902 Linemen regularly use W.H. Salisbury & Co. garden hoses slit lengthwise and secured with electrical tape as personal protective equipment.
- 1904 W. H. Salisbury & Co. Incorporates
- 1912 Organized electrical safety movement begins and creates Safety Departments and employs Safety Inspectors.
- 1915 First molded Rubber Insulating Blanket made by W.H. Salisbury & Co.
- 1919 A rubber mill was erected to manufacture molded and extruded rubber products.
- 1921 A local utility discusses lineman safety needs with W.H. Salisbury & Co. after a fatal accident occurs.
- 1922 Manufacturing of full utility line of products begins.
- 1922 W.H. Salisbury & Co. first perfects and begins to offer Rubber Insulating Line Hose.
- 1923 W.H. Salisbury & Co. first perfects and begins to offer Insulator Hoods.
- 1924 W.H. Salisbury & Co. patents Line Hose design.
- 1926 W.H. Salisbury & Co. patents Insulator Hood design.
- 1929 Rubber mill and belt factory were expanded and an adjoining building, including warehouse and offices, was constructed.
- 1929 W.H. Salisbury & Co. patents Insulating Stool.
- 1932 W.H. Salisbury & Co. patents Rubber Insulating Sleeve design.
- 1933 Began distributing industrial rubber goods as well as continuing manufacturing.
- 1941 W.H. Salisbury & Co. patents Leather Protectors for Linemen's Rubber Gloves.
- 1943 W.H. Salisbury & Co. patents Coupling for Linemen's Protective Devices.
- 1948 Charleston, SC factory established manufacturing insulating gloves.
- 1960 W.H. Salisbury & Co. patents Protective Device design.
- 1960 Addison, IL plant opens in early 1960's
- 1962 W.H. Salisbury & Co. patents Protective Cover design.
- 1972 Skokie, IL plant and offices open.
- 1980 Grounding equipment, hotsticks and insulators are added to product line in the 1980's
- 1999 North Hand Protection and W.H. Salisbury & Co. hand protection merge under the Salisbury name.
- 2001 Arc Flash Protection garments and equipment added to product line.
- 2005 W.H. Salisbury & Co. patents Insulating Blanket design.
- 2005 Company becomes Salisbury Electrical Safety, LLC
- 2006 Salisbury Electrical Safety, LLC patents Locking Clamp Assembly design.
- 2006 Salisbury Electrical Safety, LLC patents Clamp Pin for Use by Electrician or Electrical Line workers.
- 2007 Salisbury Electrical Safety, LLC patents Rubber Insulating Blanket & Method.
- 2008 Salisbury Electrical Safety, LLC becomes part of Honeywell International.
- 2009 Salisbury moves Chicago, IL manufacturing plant and Skokie, IL corporate offices to a new facility in Bolingbrook, IL.

SALISBURY BY HONEYWELL LINE EQUIPMENT



WARNING: This Utility Products catalog provides only an overview of the products shown. It does not provide important product warnings and instructions. Salisbury recommends all users of its products undergo thorough training and that all warnings and instructions provided with the products be thoroughly understood prior to use. Salisbury by Honeywell line equipment should be used only by electrical workers who have been thoroughly trained in its correct and safe use. It is necessary to assess hazards in the work environment and to match the appropriate personal protective equipment to particular hazards that may exist. At a minimum, a complete and thorough hazard assessment must be conducted to properly identify the appropriate personal protective equipment to be used in a particular work environment. **FAILURE TO READ AND FOLLOW ALL PRODUCT WARNINGS AND INSTRUCTIONS AND TO PROPERLY PERFORM A HAZARD ASSESSMENT MAY RESULT IN SERIOUS PERSONAL INJURY, ILLNESS OR DEATH.**

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LIMITED WARRANTY

Salisbury by Honeywell Line Equipment is warranted for a period of twelve (12) months from the date of shipment of the products to be free from defects and meet or exceed the current ASTM standards. Our only obligation will be, at our option, to replace any portion proved defective or to refund the purchase price thereof. The buyer assumes all other risk, if any, such as the risk of any direct, indirect or consequential loss or damage arising out of the use of, or inability to use, these products.

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SALISBURY BY HONEYWELL IS AVAILABLE WORLD WIDE.

Salisbury by Honeywell has manufacturing facilities, distributors, and/or representatives located throughout the United States and the world. Safety is our priority and we understand it is your priority too. It is important to us that you are able to reach us no matter where you are. Salisbury by Honeywell has become a world leader in the manufacture and distribution of personal electrical safety products. No matter where you are in the world, Salisbury has you covered. Salisbury by Honeywell is there for you when you need us most.

To find your local distributor or representative, please visit our website to get up-to-date contact information.

www.salisburybyhoneywell.com



ASTM Specifications for Salisbury Equipment

GLOVES, SLEEVES AND FOOTWEAR

- ASTM D120** Standard Specification for Rubber Insulating Gloves
- ASTM D1051** Standard Specification for Rubber Insulating Sleeves
- ASTM F696** Standard Specification for Leather Protectors for Rubber Insulating Gloves and Mittens
- ASTM F496** Standard Specification for In-Service Care of Insulating Gloves and Sleeves
- ASTM F1116** Standard Test Method for Determining Dielectric Strength of Dielectric Footwear
- ASTM F1117** Standard Specification for Dielectric Footwear

INSULATING BLANKET, MATTING AND SHEETING

- ASTM D 178** Standard Specification for Rubber Insulating Matting
- ASTM D1048** Standard Specification for Rubber Insulating Blankets
- ASTM F479** Standard Specification for In-Service Care of Insulating Blankets
- ASTM F2320** Standard Specification for Rubber Insulating Sheeting
- ASTM F1742** Standard Specification for PVC Insulating Sheeting
- ASTM F2676** Test Method for Determining the Protective Performance of an Arc Protective Blanket for Electric Arc Hazards

LINE HOSE AND COVERS

- ASTM D1049** Standard Specification for Rubber Insulating Covers
- ASTM D1050** Standard Specification for Rubber Insulating Line Hose
- ASTM F478** Standard Specification for In-Service care of Insulating Line Hose and Covers

HOTSTICK GROUNDS AND BYPASS JUMPERS

- ASTM F711** Standard Specification for Fiberglass Reinforced Plastic (FRP) Rod and Tube used in Live Line Tools
- ASTM F1825** Standard Specification for Clampstick Type Live Line Tools
- ASTM F855** Standard Specification for Temporary Protective Grounds to be used on De-energized Electric Power Lines & Equipment
- ASTM F2321** Standard Specification for Flexible Insulated Temporary By-Pass Jumpers
- ASTM F2249** Standard Specification for In-Service Test Methods for Temporary Grounding Jumper Assemblies Used on De-Energized Electric Power Lines & Equipment

PLASTIC EQUIPMENT

- ASTM F712** Standard Test Methods and Specifications for Electrically Insulating Plastic Guard Equipment for Protection of Workers

INSPECTION

- ASTM F1236** Guide for Visual Inspection of Electrical Protective Rubber Products

CONTENTS

Applicators, SU System B-12
ASTM Chart, labeling A-5, G-3

Bags

Glove A-12
Line Hose O-3
Line & Pole Guards D-10
Sleeve A-15
Tool O-3

Bandages, Cable O-4

Barrier, Insulating D-10

Barrier, Switch D-8

Blankets

Arc Suppression C-7
Eyelet C-3
Lo-Volt & Zip Style C-5
Roll Blankets C-6
Slotted C-4
Switchboard/URD C-5
w/out Eyelets C-4

Boots G-2-3

Brushes, Cleaning K-7

Buckets, Tool O-3

Buttons,

Blanket C-9
Sleeve A-15

Cable,

Jumper H-6
Grounding I-14

Cable End Caps B-11

Canister, Blanket C-10

Clamps, Grounding I-4-13, J-4-12

Covers

Bushing E-3
Conductor, plastic D-6
Conventional, pin B-6, 7
Elbow D-9
Insulator B-10
Lightning Arrester B-11
Meter Terminal B-12
Pole bracket D-9
Spade B-12
Stinger E-4
SU System Post & Pin B-10

Cross Arm Guards, Plastic D-3

Flexible B-6, 7

Cut-Out Covers B-6, 7

Dead End Protectors

Conventional B-6, 7
SU System B-9

Elbows, Grounding I-21

Face Shields F-4

Ferrules, Cable H-6, 7

Grounding I-15-16, J-12

Jumper H-7

Plain I-15

Footwear G-3

Gloves

Electriflex A-3-4

High Voltage A-3-6

Low Voltage A-7

Selection A-7

Rubber Insulating A-3-7

Glove Dust A-18

Glove Inflators A-8

Glove Liners A-16

Glove Protectors

Leather, Primary A-7-9

Mitten A-9

Work A-17

Salpol A-17

Grounding

Cable I-14

Clamps I-4-13, J-4-12

Harness, Sleeve A-15

Hard Hats F-2

Hotsticks

Clampsticks L-3

Sleeve Splice L-6

Storage L-13

Switch Stick L-4, 5

Tools L-16-24

Universal Switch Stick L-4

Instant Insulation E-4

Inspulators, SALVAR®

Dead End/Suspension M-4, 5

Jumpers, Grounding I-3

Jumpers, Insulated

Cables H-7

Clamps H-4, 5

Connector Link H-8

Parking Stand H-8

Stirrup Clamp H-8

Sure-Lok® H-4

Line Guards, Hard Cover

Link Guards D-5

Versa Guards D-5

Line Hose

Bags O-3

Conventional Style B-4, 5

SU System, Extd Lip B-8-9

Matting, Switchboard C-5

Outage Protection E-1-8

Pins, Blanket Clamp C-8

Pole Guards D-4

Pots, Compound O-4

Roll-ups

Blanket C-10

Saddle, Insulating O-4

Silicone Spray A-18

Sleeves, Insulating A-13-14

Straps

Dead End Protector B-9

Sleeve A-15

Ty Straps C-9

Substation Cover D-7-8

Tagging Device B-12

Voltage Detector N-3-4

| Cat. No. | Page | | Page | | Page | | Page |
|-----------|------|-----------|------|--------------|------|--------------|-----------|
| 10-4-4QT | A-18 | 12596HH | L-7 | 15078CH | L-7 | 1715R | K-14 |
| 10-4 | A-18 | 12596HHM | L-7 | 15078HH | L-7 | 1715RCH121 | K-14 |
| 100-25SCS | E-6 | 12596UE | L-8 | 15096CH | L-7 | 1715RCH306 | K-14 |
| 1000E | C-3 | 1266 | O-3 | 15096CU | L-7 | 1715RSD | K-14 |
| 1000EV | C-3 | 13-10 | C-3 | 15096HH | L-7 | 1715SM0033 | K-14 |
| 1001E | C-3 | 13 | C-3 | 1520006 | L-20 | 1715SM003325 | K-14 |
| 10078CH | L-7 | 13* | L-17 | 1520010GAH | L-19 | 1720 | K-10 |
| 10078CU | L-7 | 1300 | C-4 | 1521 | L-19 | 172300 | K-10 |
| 10078HH | L-7 | 1300V | C-4 | 1521003 | L-19 | 172300Q | K-10 |
| 10096CH | L-7 | 1300WH | L-29 | 1521B | L-19 | 17250003 | K-9 |
| 10096HH | L-7 | 1301 | C-4 | 152B | L-19 | 17250004 | K-9 |
| 100T | L-26 | 1302 | C-4 | 15466I | L-29 | 17250005 | K-9 |
| 100TR | L-26 | 1304 | C-4 | 156-4 | A-11 | 1725001 | K-9, K-10 |
| 11 | L-18 | 13068 | L-29 | 156-6 | A-11 | 173 | B-11 |
| 1100 | C-4 | 13068I | L-29 | 156024N | L-29 | 1735 | K-9 |
| 1101 | L-18 | 1309D | L-29 | 156024NI | L-29 | 1758 | I-16 |
| 112 | L-26 | 1309GIB | L-29 | 16 | L-18 | 177 | B-11 |
| 1127 | E-8 | 133 | L-27 | 1610 | H-5 | 178 | B-11 |
| 1128 | E-8 | 1350 | L-28 | 165 | L-17 | 1785 | H-5 |
| 1129 | E-8 | 1350058A | L-28 | 1680 | D-5 | 1786 | H-4 |
| 1130 | E-8 | 1356 | D-4 | 1680 | L-18 | 1788 | I-16 |
| 1131 | E-8 | 1357 | D-4 | 1681 | D-5 | 1790 | I-19 |
| 1132 | E-8 | 1370 | D-3 | 1682 | D-5 | 1793 | I-4 |
| 1160 | L-24 | 1370A | L-11 | 1686 | D-5 | 1794 | I-20 |
| 1161 | L-24 | 1370BF1 | K-14 | 1687 | D-5 | 1797 | I-4 |
| 1162 | L-24 | 1370FB | L-11 | 1688 | D-5 | 1800CQ | L-23 |
| 117 | B-11 | 1370H | L-11 | 1700 | C-3 | 1800CQS | L-23 |
| 1186 | B-7 | 1370HR | L-11 | 1710E | K-14 | 1800CU | L-23 |
| 1192 | L-13 | 1370SL | L-11 | 1712CS | K-13 | 1800SL | L-23 |
| 12 | C-3 | 1370V | L-11 | 1712E | K-14 | 1800SM | L-23 |
| 12 | L-20 | 1371 | D-3 | 1712GA | K-13 | 1800SS | L-23 |
| 1200SL | L-27 | 1374 | D-7 | 1712U | K-13 | 1814 | I-11 |
| 1212YLV | C-5 | 1375 | D-7 | 17150050 | K-13 | 1815 | I-11 |
| 1212YLVNV | C-5 | 1376 | D-8 | 17150050WPH | K-13 | 1818YLV | C-5 |
| 121CQ | L-10 | 1378 | D-10 | 17150060EPP | K-12 | 1818YLVNV | C-5 |
| 121FGQ | L-10 | 1385 | D-4 | 17150060PFP | K-12 | 1836YLV | C-5 |
| 1230 | O-3 | 1386 | D-4 | 17150063EPP | K-12 | 1836YLVNV | C-5 |
| 1236YLV | C-5 | 14 | C-4 | 17150063PFP | K-12 | 1830S | C-3 |
| 1236YLVNV | C-5 | 14200011 | B-11 | 17150066 | K-12 | 1841 | D-10 |
| 124 | L-21 | 14200032P | B-11 | 17150066R | K-14 | 1853 | I-4 |
| 1241 | L-21 | 14200033P | B-11 | 171550SP100A | K-14 | 1855 | I-4 |
| 1248 | O-3 | 14200034P | B-11 | 171561RCH123 | K-14 | 1858 | K-4 |
| 125-25SCS | E-6 | 14200036P | B-11 | 1715E | K-14 | 186 | C-4 |
| 12524HH | K-8 | 145 | B-7 | 1715EPP | K-12 | 1871 | D-10 |
| 12548HE | L-8 | 1451 | A-18 | 1715GS | K-14 | 1895 | I-7 |
| 12548HH | K-8 | 1453 | A-18 | 1715H | K-14 | 1896 | I-7 |
| 12548UE | L-8 | 1460 | A-18 | 1715H1 | K-14 | 1897 | I-7 |
| 12578CH | L-7 | 1461 | A-18 | 1715HSD | K-14 | 190 | L-18 |
| 12578CU | L-7 | 1491250 | O-5 | 1715HSD1 | K-14 | 190001 | L-18 |
| 12578HE | L-8 | 1492375 | O-5 | 1715P142 | K-14 | 190002 | L-18 |
| 12578HEM | L-8 | 1494250 | O-5 | 1715P392 | K-14 | 1900U | L-17 |
| 12578HH | L-7 | 1494375 | O-5 | 1715PE | K-14 | 190HC | L-18 |
| 12578HHM | L-7 | 149H | O-5 | 1715PE100 | K-14 | 190NLF | L-22 |
| 12578UE | L-8 | 149S | O-5 | 1715PE14225 | K-14 | 190Q | L-22 |
| 1258HEQ | L-24 | 15-1 | C-4 | 1715PE25 | K-14 | 190UGQ | K-10 |
| 12596CH | L-7 | 15 | C-4 | 1715PF | K-14 | 190UGU | K-10 |
| 12596HE | L-8 | 1500 | C-3 | 1715PF25 | K-14 | 1921 | I-8 |
| 12596HEM | L-8 | 150120HH | L-7 | 1715PFSD | K-14 | 1922 | I-8 |
| | | | | | | 1923 | I-8 |
| | | | | | | 1924 | I-8 |
| | | | | | | 1925 | L-15 |
| | | | | | | 19250005 | L-15 |
| | | | | | | 19250007 | L-15 |
| | | | | | | 192500655 | L-15 |
| | | | | | | 192510 | L-15 |
| | | | | | | 192520 | L-15 |
| | | | | | | 19257 | L-15 |
| | | | | | | 19258 | L-15 |
| | | | | | | 1925DMC | L-15 |
| | | | | | | 1925MC | L-15 |
| | | | | | | 1928 | I-7, I-8 |
| | | | | | | 1928 | K-4 |
| | | | | | | 1930535415Q | L-15 |
| | | | | | | 1933 | D-10 |
| | | | | | | 1957 | I-19 |
| | | | | | | 1959 | L-30 |
| | | | | | | 196FGQ | L-22 |
| | | | | | | 196FGU | L-22 |
| | | | | | | 198FGQ | L-22 |
| | | | | | | 198FGU | L-22 |
| | | | | | | 1C | L-17 |
| | | | | | | 1CQ | L-9 |
| | | | | | | 1CU | L-9 |
| | | | | | | 1FGQ | L-9 |
| | | | | | | 1FGU | L-9 |
| | | | | | | 20 | C-8 |
| | | | | | | 2000SC | L-12 |
| | | | | | | 2001 | L-12 |
| | | | | | | 2002 | L-12 |
| | | | | | | 2003 | L-12 |
| | | | | | | 20114 | L-30 |
| | | | | | | 2012 | H-7 |
| | | | | | | 2013 | H-7 |
| | | | | | | 20139 | L-30 |
| | | | | | | 2014 | H-7 |
| | | | | | | 20140 | L-30 |
| | | | | | | 20141 | L-30 |
| | | | | | | 20142 | L-30 |
| | | | | | | 2015 | H-7 |
| | | | | | | 20174 | L-30 |
| | | | | | | 20176 | L-30 |
| | | | | | | 20177 | L-30 |
| | | | | | | 20178 | L-30 |
| | | | | | | 201CFGQ | L-9 |
| | | | | | | 201FGQ | L-9 |
| | | | | | | 201FGU | L-9 |
| | | | | | | 2022 | H-7 |
| | | | | | | 2022 | I-16 |
| | | | | | | 2023 | H-7 |
| | | | | | | 2023 | I-16 |
| | | | | | | 2024 | H-7 |
| | | | | | | 2024 | I-16 |
| | | | | | | 2025 | H-7 |
| | | | | | | 2025 | I-16 |
| | | | | | | 20250 | L-30 |
| | | | | | | 20251 | L-30 |

PRODUCT INDEX

| Cat. No. | Page | | | | | | | | |
|----------|----------|--------|----------|-------|------|-------|----------|------------------|------|
| 20252 | L-30 | 21300 | H-7 | 2329 | I-17 | 2500 | N-3, N-4 | 29021 | D-4 |
| 20253 | L-30 | 21315 | D-6 | 2359 | B-12 | 2512 | L-11 | 29022 | D-4 |
| 20254 | L-30 | 21317 | E-3 | 2373 | D-5 | 2531 | I-5 | 29023 | D-4 |
| 20255 | L-30 | 2133 | I-14 | 2374 | I-20 | 2532 | I-5 | 29024 | D-4 |
| 20257 | L-30 | 21353 | H-7 | 2377 | D-5 | 2533* | I-5 | 29025 | D-4 |
| 20258 | L-30 | 21354 | H-7 | 2378 | D-5 | 2534 | I-19 | 29026 | D-4 |
| 2026 | I-16 | 21356 | H-7 | 2389 | D-5 | 2536 | I-20 | 29027 | D-4 |
| 20260 | L-30 | 2136 | I-14 | 24082 | K-3 | 2537 | I-5, I-6 | 29028 | D-4 |
| 20262 | L-30 | 2137 | I-14 | 24087 | K-3 | 2537 | K-4 | 2910 | I-21 |
| 20263 | L-30 | 2138 | I-14 | 2413 | D-8 | 2547 | I-19 | 2912 | I-21 |
| 20265-1 | L-30 | 2139 | I-14 | 24140 | E-3 | 2553 | I-4 | 2935 | I-21 |
| 2027 | I-16 | 21405 | G-3 | 2418 | D-8 | 2556 | I-17 | 2936 | I-21 |
| 20332 | L-30 | 21406 | G-3 | 2419B | O-3 | 2559 | H-7 | 2937 | I-6 |
| 20381 | L-30 | 21517 | N-3, N-4 | 2424 | D-8 | 2567 | I-12 | 2961 | I-21 |
| 20443 | L-30 | 2155 | I-12 | 2427 | K-4 | 2577 | I-12 | 2962 | I-21 |
| 20445 | L-30 | 21600 | N-4 | 24309 | I-17 | 26 | C-8 | 2963 | I-21 |
| 20470 | L-30 | 2164 | H-5 | 24320 | K-11 | 2604 | I-20 | 2971 | I-21 |
| 2059 | H-7 | 21644 | E-3 | 24321 | K-11 | 2607 | K-11 | 2973 | I-21 |
| 2066 | H-5 | 21702 | I-20 | 24322 | K-11 | 2620 | I-16 | 2983 | I-16 |
| 2067 | H-5 | 2174R1 | H-5 | 24400 | L-14 | 2633 | I-16 | 2991 | I-10 |
| 2074R1 | H-5 | 21754 | I-4, I-9 | 24401 | L-14 | 2636 | I-14 | 2993 | I-10 |
| 20817 | L-14 | 21754 | K-4 | 24403 | L-14 | 2637 | I-14 | 2C16 | A-12 |
| 20867 | K-11 | 2178 | H-5 | 24404 | I-9 | 2638 | I-14 | 2C18 | A-12 |
| 20876 | H-5 | 21826 | D-6 | 24405 | I-9 | 2639 | I-14 | 2CQ | L-9 |
| 20880 | K-6 | 21837 | D-4 | 24406 | I-9 | 2640 | I-16 | 2FGQ | L-9 |
| 20882 | I-8 | 21840 | K-6 | 24407 | I-9 | 2649 | I-14 | 30 | O-3 |
| 20886 | I-16 | 21846 | K-3 | 24410 | I-7 | 266 | O-7 | 300 | C-4 |
| 2093 | I-4, I-5 | 2192 | I-20 | 24420 | I-15 | 2667 | I-12 | 3004FG | L-25 |
| 2093 | K-4 | 21936 | D-4 | 24421 | I-15 | 2680 | I-20 | 3006FG | L-25 |
| 21 | C-8 | 21942 | I-9 | 24422 | I-15 | 2682 | I-20 | 3008FG | L-25 |
| 21030 | I-4 | 2195 | I-7 | 24423 | I-15 | 2684 | I-18 | 300E | C-3 |
| 21059 | I-4 | 21953 | I-10 | 24424 | I-15 | 2685 | I-19 | 3101E | O-6 |
| 21060 | H-7 | 21985 | I-10 | 24425 | I-15 | 2689 | D-5 | 3102W | O-6 |
| 21067 | I-5 | 22 | C-10 | 24426 | I-15 | 26E | O-7 | 320E | L-16 |
| 21068 | I-5 | 2224 | D-5 | 24427 | I-15 | 26G | O-7 | 3301 | L-17 |
| 21069 | I-7 | 2260 | H-4 | 24430 | I-15 | 26K | O-7 | 3302 | L-16 |
| 21070 | I-7 | 2261 | H-4 | 24431 | I-15 | 27 | O-5 | 34-12SC | E-7 |
| 21074 | I-8 | 22629 | L-14 | 24432 | I-15 | 27148 | E-4 | 34-25SC | E-7 |
| 21075 | I-8 | 22630 | I-21 | 24433 | I-15 | 2750 | H-8 | 34-25SCS | E-6 |
| 21077 | I-8 | 22631 | I-21 | 24434 | I-15 | 2754 | H-7 | 34-50SCS | E-6 |
| 21080 | I-4 | 22632 | I-21 | 24436 | I-15 | 2755 | H-7 | 3400 | L-12 |
| 21081 | I-4 | 2264 | H-4 | 24437 | I-15 | 2756 | H-7 | 3401Q | L-16 |
| 21099 | I-7 | 2265 | H-4 | 24438 | I-20 | 2757 | H-7 | 3401TS | L-16 |
| 21116 | E-3 | 2266 | H-4 | 24441 | I-11 | 2772 | H-5 | 3402L5934 | L-19 |
| 21116TC | E-3 | 22675 | I-13 | 24442 | I-11 | 2773 | H-5 | 3402Q | L-17 |
| 21132RG | H-8 | 2270 | H-4 | 24455 | D-8 | 27A | O-5 | 3402U | L-17 |
| 2115 | H-5 | 22704 | I-13 | 24466 | I-9 | 27S | O-5 | 3403 | L-18 |
| 2116 | H-4 | 2271 | H-4 | 2450 | H-5 | 2842 | D-10 | 3500 | L-17 |
| 21172 | D-6 | 2274 | H-4 | 2461 | D-4 | 284A | O-6 | 36 | C-10 |
| 21173 | D-6 | 2275 | H-4 | 2462 | D-4 | 2851 | D-4 | 3600 | L-19 |
| 21183 | E-3 | 2276 | H-4 | 2464 | D-4 | 2852 | D-4 | 3601 | L-19 |
| 21187 | O-4 | 2288 | I-14 | 2466 | D-4 | 2853 | D-4 | 3636YLV | C-5 |
| 21190 | I-13 | 2299 | I-17 | 2475 | D-5 | 2854 | D-4 | 3636YLVNV | C-5 |
| 21191 | K-3 | 2300 | H-7 | 2476 | D-5 | 2856 | D-4 | 38-2SC | E-7 |
| 21192 | K-3 | 2308 | H-7 | 2477 | D-5 | 285A | O-6 | 38-12SC | E-7 |
| 21228 | K-3 | 2317 | H-7 | 2478 | D-4 | 286A | O-6 | 38-18SC | E-7 |
| 21234 | D-6 | 2318 | H-7 | 2486 | D-4 | 2876 | I-17 | 38-25SCS | E-6 |
| 21236 | K-3 | 2319 | I-17 | 2494 | E-8 | 2877 | H-7 | 38-50SC | E-7 |
| 21277 | I-13 | 2320 | I-17 | 2496 | D-4 | 2884 | D-5 | 38-50SCS | E-6 |
| 2128 | I-14 | 2321 | I-17 | 25 | C-8 | 2900 | L-17 | 38-100SC | E-7 |
| 2129 | I-14 | 2323 | B-12 | 2500 | L-16 | 29003 | B-11 | 4-Way Connectors | I-20 |

| Cat. No. | Page | | Page | | Page | | Page | | |
|-------------------------|------|--------------|----------|-----------------|----------|--------------------|-----------|--------------------|------|
| 4-Way Connectors | | 4115 | L-17 | 4333 | D-9 | 58-12SC | E-7 | 7310G | K-5 |
| SafetyLine | J-14 | 414BN | 0-4 | 4337 | K-7 | 58-25SCS | E-6 | 7311E | J-10 |
| 40 | 0-3 | 414PG | 0-4 | 4341 | I-10 | 58-50SC | E-7 | 7314T | J-9 |
| 4003SH | 0-6 | 4155 | L-13 | 4344 | N-2, N-4 | 58-50SCS | E-6 | 7315E | J-9 |
| 4007 | L-3 | 4167 | L-13 | 4345 | I-11 | 58-100SC | E-7 | 7315PG | J-9 |
| 4008 | L-3 | 4168 | L-13 | 4356 | N-4 | 5900 | L-16 | 7316E | J-9 |
| 4009 | L-3 | 4169 | L-13 | 4367 | N-4 | 590001 | L-21 | 736PH | D-3 |
| 400E | C-3 | 4182 | L-6 | 4369 | I-11 | 5900017/16T | L-21 | 7512B | J-6 |
| 4010 | L-3 | 4187 | I-6 | 4370 | H-7 | 590001S | L-21 | 7512E | J-6 |
| 4011 | L-3 | 42 | 0-5 | 4373 | I-12 | 590002 | L-21 | 752076 | J-14 |
| 4012 | L-3 | 4200 | I-5 | 4377 | I-8 | 5900CS | K-9, K-10 | 752576 | J-14 |
| 4013 | L-3 | 4213 | L-4 | 4378 | I-10 | 5900Q | K-10 | 7541E | J-7 |
| 4016 | L-5 | 4214 | L-4 | 4379 | I-12 | 593412PHT | L-21 | 7541T | J-7 |
| 4017 | L-5 | 4215 | L-4 | 4388 | I-5 | 59P34916SD | L-21 | 75420010236 | J-13 |
| 4018 | L-5 | 4216 | L-4 | 4389 | I-5 | 5C2 | L-19 | 75420011036 | J-13 |
| 4024 | L-5 | 4217 | L-4 | 4390 | I-8 | 5C2Q | L-10 | 75420012036 | J-13 |
| 4025 | L-5 | 4218 | L-4 | 4412 | L-24 | 5C2U | L-10 | 7542001BSF | K-3 |
| 4026 | L-5 | 4219 | L-4 | 4418 | L-24 | 5C3 | L-19 | 7542121BS | K-3 |
| 4028 | L-5 | 4220 | L-4 | 4444 | N-2, N-4 | 5C3Q | L-10 | 7542123BS | K-3 |
| 4029 | L-5 | 4221 | L-4 | 4445 | N-4 | 5C3U | L-10 | 7542123BST | K-3 |
| 4030 | L-5 | 4222 | L-4 | 4469 | N-4 | 5C4 | L-19 | 7542385BST | K-3 |
| 4033 | L-5 | 4223 | L-4 | 44C | K-10 | 5C4Q | L-10 | 7542905BS | K-3 |
| 4034 | L-5 | 4225 | L-4 | 44CFG | L-24 | 5C4U | L-10 | 7542905BST | K-3 |
| 4035 | L-5 | 4230 | L-6 | 44UFG | L-12 | 5EFG | L-12 | 7542B | J-7 |
| 4036 | L-4 | 4231 | L-6 | 4544 | N-3 | 5EFGU | L-12 | 7542CM1B | J-11 |
| 4037 | L-4 | 4232 | L-6 | 4556 | N-3 | 5EK001 | L-12 | 7542CM1E | J-11 |
| 4038 | L-4 | 4233 | L-6 | 46 | C-10 | 5FGQ | L-10 | 7542CM1PG | J-11 |
| 4039 | L-4 | 4234 | L-6 | 4644 | N-3 | 5UK001 | L-12 | 7542CM1T | J-11 |
| 4040 | L-4 | 4236 | L-19 | 4667 | N-3 | 60 | 0-3 | 7542K | K-3 |
| 4041 | L-4 | 4240 | I-8 | 4744 | N-3 | 616 | 0-3 | 7542TGK | K-6 |
| 4042 | L-4 | 4242 | I-6 | 4745 | N-3 | 618 | 0-3 | 7551 | J-16 |
| 4043 | L-4 | 4244 | N-2, N-4 | 4769 | N-3 | 620 | 0-3 | 7551GA | J-16 |
| 4044 | L-4 | 4245 | H-8 | 48 | 0-3 | 622 | 0-3 | 7560 | J-11 |
| 4045 | L-4 | 4246 | I-18 | 4D | L-17 | 624 | 0-3 | 7561 | J-11 |
| 4046 | L-4 | 4247 | I-20 | 4DQ | L-9 | 636A | B-11 | 7561A | J-11 |
| 4084 | L-6 | 4248 | I-19 | 4DU | L-9 | 640001 | L-28 | 7575FE | J-7 |
| 4085 | L-6 | 4249 | I-18 | 4EFG | L-12 | 6400B | L-28 | 7575FEST | J-7 |
| 4088 | L-6 | 4255 | I-7 | 4EFGM | L-12 | 66 | 0-3 | 7575FGA | J-7 |
| 4089 | L-6 | 4260 | I-5 | 4EK001 | L-12 | 670 | L-25 | 7575FPSE | J-7 |
| 4099 | L-18 | 4276 | I-18 | 4FGQ | L-9 | 670001 | L-25 | 7575FTGA | J-7 |
| 40H | 0-5 | 4277 | I-16 | 4FGU | L-9 | 6700011 | L-25 | 7600011 | J-13 |
| 40HPP | 0-5 | 4279 | I-7 | 4UK001 | L-12 | 671001 | L-25 | 7600011CT41 | J-12 |
| 40SHB | 0-5 | 4280 | I-6 | 50-50SCS | E-6 | 6710011 | L-25 | 7600011ct42 | J-12 |
| 4100 | L-20 | 4282 | I-10 | 5000E600 | 0-5 | 67130ACFG | L-25 | 7600011PT41 | J-12 |
| 4101 | L-18 | 4283 | I-10 | 50012EH | L-11 | 672 | L-25 | 7600011Pt42 | J-12 |
| 4102 | L-20 | 4290 | K-11 | 50012EP | L-11 | 7003 | L-27 | 760001CS | J-5 |
| 4103 | L-19 | 4295 | I-8 | 5012 | L-11 | 7004 | L-27 | 760001CT40 | J-12 |
| 4104 | L-20 | 4297 | L-13 | 5012EH | L-11 | 7005 | L-27 | 760001E | J-5 |
| 4105 | L-20 | 4298 | L-13 | 5012R | L-11 | 72 | 0-3 | 760001EB | J-5 |
| 4106 | L-20 | 4299 | L-13 | 501FGQ | L-10 | 72CQ | L-23 | 760001HDL | K-5 |
| 4107 | L-20 | 42A | 0-6 | 501FGU | L-10 | 72CU | L-23 | 760001PB | K-6 |
| 4108 | K-7 | 42S | 0-6 | 50206 | L-10 | 72S3/4 | L-23 | 760001PSE | J-5 |
| 4108 | L-19 | 42SA | 0-6 | 50208 | L-10 | 72S3/8 | L-23 | 760001PT40 | J-12 |
| 4109 | L-19 | 4300 | L-13 | 5020H | L-10 | 72S9/16 | L-23 | 760001RT | J-5 |
| 4110 | K-7 | 4301 | L-13 | 50C | 0-3 | 7300ABC | K-5 | 760001T | J-5 |
| 4111 | K-7 | 4302 | L-13 | 5112 | L-11 | 7300AET | K-5 | 760002E | J-8 |
| 4111 | L-19 | 4303 | L-13 | 51508 | G-3 | 73025T | J-9 | 760002T | J-8 |
| 4112 | K-7 | 4310 | I-12 | 51509 | G-3 | 7304DE | J-9 | 760003E | J-8 |
| 4113 | K-7 | 4311 | I-8 | 51511 | G-3 | 7304T | J-9 | 760006E | J-4 |
| 4113 | L-19 | 4314 | D-9 | 51512 | G-3 | 73065E | J-10 | 760045 | J-13 |
| 4114 | L-17 | 4317 | L-30 | 536A | B-11 | 7310E | J-10 | 760045PB | K-6 |

PRODUCT INDEX

| Cat. No. | Page | | | | | | |
|--------------|------|------------|-----------|------|------|--------------------------|------------|
| 7600S1EB | J-5 | 8300 | L-17 | 9935 | L-5 | AS12CLR-FB | F-4 |
| 7603 | J-18 | 8301 | L-18 | 9936 | L-5 | AS2000 | F-4 |
| 7603C | J-18 | 860002 | L-20 | 9937 | L-5 | AS2000FB | F-4 |
| 7603CGA | J-18 | 860004 | L-20 | 9938 | L-5 | AS2000FS | F-4 |
| 7603GA | J-18 | 860005 | L-20 | 9939 | L-5 | AS2000HAT-CLR | F-4 |
| 7604C | J-18 | 89/1402 | A-16 | 9940 | L-5 | AS2000HAT | F-4 |
| 7604CGA | J-18 | 89/4702 | A-16 | 9941 | L-5 | ASTM Dielectric | |
| 760CM1E | J-5 | 8900 | L-7 | 9942 | L-5 | Footwear | G-3 |
| 760CM3T | J-8 | 8A | L-18 | 9943 | L-5 | ASTM Tables | I-22 |
| 760CMSR3E | J-8 | 9 | L-17 | 9944 | L-5 | ASTM Tables | J-20 |
| 760MS1E | J-5 | 900E | C-3 | 9945 | L-5 | ASTM Tables | K-2 |
| 760SR6E | J-4 | 900EV | C-3 | 9950 | L-5 | B1 | C-9 |
| 760SR6PSE | J-4 | 901E | C-3 | 9951 | L-5 | B1710 | K-14 |
| 760SRS6E | J-4 | 904 | O-6 | 9952 | L-5 | B1715 | J-18 |
| 76174459 | K-10 | 9202GA | K-8 | 9953 | L-5 | B1715 | K-10, K-14 |
| 761E | J-4 | 9202HQ | K-8 | 9954 | L-5 | B17150050 | K-14 |
| 763S011 | J-13 | 9202I | K-8 | 9955 | L-5 | B2 | A-15 |
| 763S45 | J-13 | 9202Q | K-8 | 9956 | L-5 | B22 | A-15 |
| 7640001E | J-5 | 9206GA | K-8 | 9957 | L-5 | B23 | C-9 |
| 7640001EB | J-5 | 9206GAS | K-8, K-10 | 9958 | L-5 | B522 | L-11 |
| 7640002E | J-10 | 9206HIP | K-8 | 9959 | L-5 | Ball & Socket | |
| 7640002PSE | J-10 | 9206Q | K-8 | 9960 | L-5 | System | I-13 |
| 7640002PSEB | J-10 | 9206U | K-8 | 9961 | L-5 | Ball and Socket | |
| 764000ST | J-18 | 9208HIP | K-8 | 9962 | L-5 | Grounding | J-11 |
| 76400S1E | J-5 | 9209Q | L-22 | 9967 | I-10 | Ball Stud "C" Clamp | I-13 |
| 76400S1EB | J-5 | 9209U | L-22 | 9969 | L-18 | Ball Studs | K-3 |
| 764015GE | J-18 | 92225001GA | L-22 | 9970 | L-17 | BC512 | E-3 |
| 764015GE | K-8 | 92225001Q | L-22 | 9971 | L-18 | Bell Cuff | A-6 |
| 764015S0 | J-18 | 92225001U | L-22 | 9975 | I-17 | Blanket Accessories | C-8 |
| 764015S0 | J-19 | 92Q | L-22 | 9976 | H-7 | Blanket Canisters | C-10 |
| 7640244GA | J-16 | 92U | L-22 | 9977 | H-7 | Blocks & | |
| 7640CM1E | J-5 | 9501U-SI | M-4 | 9982 | I-17 | Safety Hooks | O-6 |
| 7640CMS1E | J-5 | 9502L-EP | M-5 | 9983 | I-7 | Bus Bar Alligator | |
| 764150015LGE | K-8 | 9502U-SI | M-4 | 9983 | K-4 | Clamps | J-7 |
| 764150015LSO | J-19 | 9503U-SI | M-4 | 9984 | I-7 | "C" Type Grounding | |
| 764150025LGE | K-8 | 98132022 | J-12 | 9985 | I-6 | Clamps | I-5 |
| 764150025LSO | J-19 | 98132022P | J-12 | 9992 | D-7 | "C" Type Grounding | |
| 764156234H | J-18 | 98132023 | J-12 | 9993 | I-6 | Clamps | J-5 |
| 764156STGESO | J-18 | 98132023P | J-12 | 9998 | K-6 | C100 | L-12 |
| 7660001E | J-6 | 98132024 | J-12 | | | C125 | L-12 |
| 76600S1E | J-6 | 98132024P | J-12 | | | C150 | L-12 |
| 76600S1PG | J-6 | 98132025 | J-12 | | | C4000 | L-13 |
| 7661FG | J-17 | 98132025P | J-12 | | | C4000L | L-13 |
| 76630782 | J-14 | 9822 | L-13 | | | C4007 | L-13 |
| 76630882 | J-14 | 9823 | L-13 | | | C4009 | L-13 |
| 766FG | J-17 | 9834 | L-17 | | | C4011 | L-13 |
| 767E | J-4 | 9838 | L-18 | | | C4013 | L-13 |
| 768E | J-4 | 9839 | L-18 | | | CA36 | J-14 |
| 76CT43 | J-12 | 9840 | L-4 | | | Canvas Buckets & | |
| 76PT43 | J-12 | 9841 | L-4 | | | Bags | O-3 |
| 78000 | J-11 | 9861 | L-5 | | | Canvas Glove & | |
| 7991 | L-20 | 9864 | L-5 | | | Protector Bags | A-12 |
| 7991WS | L-20 | 9878 | L-19 | | | CB36 | J-14 |
| 7992FGQ | L-20 | 9897 | L-6 | | | CC24 | B-7 |
| 8104E | L-8 | 9898 | L-6 | | | CC30 | B-7 |
| 8106C | L-3 | 9899 | L-6 | | | Clampsticks Repair | |
| 8106E | L-8 | 98B | L-16 | | | Parts List | L-30 |
| 8108E | L-8 | 98SADGA | L-21 | | | Class 00 Gloves | A-6 |
| 816 | D-9 | 9900 | L-17 | | | Class 00 & | |
| 8200 | L-26 | 9933 | L-5 | | | O Gloves | A-6 |
| 8200S | L-26 | 9934 | L-5 | | | Class 1 Gloves | A-6 |
| | | | | | | Cleaners | A-18 |
| | | | | | | Complete Bushing-Stinger | |
| | | | | | | Cover | E-4 |
| | | | | | | Contour Cuff | A-6 |
| | | | | | | Copper ferrules | I-15 |
| | | | | | | Crossarm Guards | D-3 |
| | | | | | | Cutout Clamps | J-10 |
| | | | | | | Cutters | L-25 |
| | | | | | | D0 | A-14 |
| | | | | | | D1 | A-14 |
| | | | | | | D2 | A-14 |
| | | | | | | D3 | A-14 |
| | | | | | | D4 | A-14 |
| | | | | | | Dead End Protectors | B-9 |
| | | | | | | Dead Front | |
| | | | | | | Ground Sets | I-21 |
| | | | | | | Dipped sleeves | A-14 |
| | | | | | | Disconnect Prong | L-17 |
| | | | | | | Duck Bill Grounding | |
| | | | | | | Clamps | I-4 |
| | | | | | | Duck Bill Grounding | |
| | | | | | | Clamps | J-4 |
| | | | | | | EB100615 | J-19 |
| | | | | | | EB100615LB | J-19 |
| | | | | | | EB100625LB | J-19 |
| | | | | | | EB1021015 | J-19 |
| | | | | | | EB1021015LB | J-19 |
| | | | | | | EB1021025LB | J-19 |
| | | | | | | Elbow Grounding | |
| | | | | | | Sets | J-19 |
| | | | | | | Electriflex™ Gloves | A-3 |
| | | | | | | EPDM Stinger Cover | E-7 |
| | | | | | | ES100615 | J-19 |
| | | | | | | ES100615LB | J-19 |
| | | | | | | ES100625LB | J-19 |
| | | | | | | ES1021015 | J-19 |
| | | | | | | ES1021015LB | J-19 |
| | | | | | | ES1021025LB | J-19 |
| | | | | | | ES10Y615LB | J-18 |
| | | | | | | ES10Y625LB | J-18 |
| | | | | | | ES1Y21015LB | J-18 |
| | | | | | | ES1Y21025LB | J-18 |
| | | | | | | ES3LY635 | J-19 |
| | | | | | | Face Shields | F-2 |
| | | | | | | Ferrules | H-6 |
| | | | | | | Ferrules & | |
| | | | | | | Accessories | L-12 |
| | | | | | | Fiberglass Hot Switch | |
| | | | | | | Sticks | L-5 |
| | | | | | | Flat Face Clamp | J-8 |
| | | | | | | FLKIT | F-4 |
| | | | | | | FRP Clampsticks | L-3 |
| | | | | | | FRP Jumper Clamps | H-5 |
| | | | | | | G100 | A-8 |
| | | | | | | G100A | A-8 |
| | | | | | | G99 | A-8 |
| | | | | | | G99B | A-8 |
| | | | | | | G99S | A-8 |
| | | | | | | G99V | A-8 |
| | | | | | | GB112 | A-12 |
| | | | | | | GB114 | A-12 |
| | | | | | | GB116 | A-12 |
| | | | | | | GB118 | A-12 |

| Cat. No. | Page | | |
|--|------------|---|-----------|
| Glove & Sleeve Combo Bags | A-12 | Insulated Jumper Cables | H-6 |
| Glove Inflators | A-8 | Insulated Jumpers | H-3 |
| Glove Liners | A-16 | Insulating Blankets | C-3 |
| Glove Storage & Gloves Kits | A-12 | Insulating Line Hose & Covers | B-3 |
| Gloves & Mittens | A-6, A-7 | Insulating Link Sticks | L-11 |
| GPB112 | A-12 | Insulating Plastic Guards & Covers | D-3 |
| GPB114 | A-12 | Insulator Covers | B-10 |
| GPB116 | A-12 | IS10 | O-4 |
| GPB118 | A-12 | ISP | O-4 |
| Ground Rod Drivers | L-28 | L10J | A-16 |
| Ground Set Checklist | I-3, J-3 | L10JK | A-16 |
| Grounding Accessories | K-6 | L10MKC | A-16 |
| Grounding Cables | I-14 | L10MKW | A-16 |
| Grounding Clamps | I-10 | L12J | A-16 |
| Grounding Elbows | I-21 | L12MKC | A-16 |
| Grounding Sets | I-18, I-19 | L12MKW | A-16 |
| Grounding Sets | J-13 | Leather Protector Gloves | A-9 |
| H1 | A-15 | LFH40 | F-4 |
| H7 | O-4 | LFH40PLT | F-4 |
| Hand Lines | O-5 | Lift Front Hood | F-4 |
| Hand Tools | L-24 | Lightweight Conductor Covers | D-6 |
| Hanger Studs | K-4 | Line Hooks | O-5 |
| Hard Hats | F-2 | Line Hose | B-8 |
| HCR0240 | K-5 | Line Hose & Connectors | B-4 |
| HCR0250 | K-5 | Linemen's Mittens | A-6 |
| HCR1 | K-5 | Linemen's Sleeves | A-13 |
| HCR1050 | K-5 | Link Guards | D-5 |
| Heavy Duty Dual-Purpose Clamps | I-12 | Low Voltage Blankets | C-5 |
| High Voltage Gloves | A-7 | Low Voltage Gloves | A-7 |
| Hotsticks & Tools | L-1 | LRG | B-10 |
| HS21 | C-8 | LW2SPE | A-17 |
| HSCRO250 | K-5 | LWG2SPE | A-17 |
| HSCR1040 | K-5 | M24-2 | C-5 |
| HSCR1050 | K-5 | M30-2 | C-5 |
| Hydraulic Cable Spike | K-11 | M36-2 | C-5 |
| Hydraulic Ground Spike Clamps | K-12 | M36-4 | C-5 |
| I95/217/WHS | A-17 | M48-2 | C-5 |
| I95/317/WHS | A-17 | MB6 | C-9 |
| ILP10 | A-11 | Molded Sleeves | A-14 |
| ILP10A | A-11 | MRG | B-10 |
| ILP3S | A-11 | N24 | B-7 |
| ILP4S | A-11 | N36 | B-7 |
| ILP5S | A-11 | Next Generation Leather Protectors | A-10 |
| ILP6S | A-11 | NGILP3S | A-10 |
| ILP7C | A-11 | NGILP5S | A-10 |
| ILPM3S | A-11 | NGILP7S | A-10 |
| ILPM4S | A-11 | OFRG | B-7 |
| ILPM5S | A-11 | OJRG | B-7 |
| INF-5 | A-8 | OKRG | B-7 |
| INF-6 | A-8 | OR100-3 | B-5 |
| INF-7 | A-8 | OR100-3C | B-5 |
| INF-8 | A-8 | OR100-6 | B-5 |
| INF-9 | A-8 | OR100-6C | B-5 |
| Instant Insulation | E-8 | OR100-45 | B-5 |
| | | OR100-45C | B-5 |
| | | OR101 | B-7 |
| | | OR114 | B-7 |
| | | OR124 | B-7 |
| | | OR125-3 | B-5 |
| | | OR125-3C | B-5 |
| | | OR125-6 | B-5 |
| | | OR125-6C | B-5 |
| | | OR125-45 | B-5 |
| | | OR125-45C | B-5 |
| | | OR134 | B-9 |
| | | OR150-3 | B-5 |
| | | OR150-3C | B-5 |
| | | OR150-6 | B-5 |
| | | OR150-6C | B-5 |
| | | OR150-45 | B-5 |
| | | OR150-45C | B-5 |
| | | OR200-3 | B-5 |
| | | OR200-6 | B-5 |
| | | OR200-45 | B-5 |
| | | OR250-3 | B-5 |
| | | OR250-6 | B-5 |
| | | OR250-45 | B-5 |
| | | ORC100 | B-5 |
| | | ORC125 | B-5 |
| | | ORC150 | B-5 |
| | | Outage Protection | E-1 |
| | | P2 | C-10 |
| | | P3-47 | C-10 |
| | | P3 | C-10 |
| | | P4 | C-7, C-10 |
| | | P4H | C-10 |
| | | P6 | C-10 |
| | | PH55 | O-3 |
| | | Pin Ferrules | J-12 |
| | | PJB1 | O-4 |
| | | PJB2 | O-4 |
| | | Pole Guards | D-4 |
| | | Pressure Terminal Clamps | I-9 |
| | | Protective Rubber Equipment Labeling Chart | A-5, G-4 |
| | | Protectors & Covers | B-6 |
| | | PTHL | B-10 |
| | | PTHS | B-10 |
| | | Quick Grip Ground Clamps | J-15 |
| | | R101DE | J-10 |
| | | R96 | C-5 |
| | | Rescue Hook | L-14 |
| | | RH1881375 | L-12 |
| | | RH1881625 | L-12 |
| | | RH1882000 | L-12 |
| | | RLB00 | C-6 |
| | | RLB1 | C-6 |
| | | RLBPVC1-48 | C-6 |
| | | RLBPVC1 | C-6 |
| | | Roll Blankets | C-6 |
| | | RPT1 | K-11 |
| | | Rubber Insulating Gloves | |
| | | Standard Offering | A-7 |
| | | S1 | A-15 |
| | | S1NB | A-15 |
| | | S4 | A-18 |
| | | S5 | A-18 |
| | | S55 | A-18 |
| | | S99 | A-18 |
| | | SA49R02 | F-3 |
| | | SA49R03 | F-3 |
| | | SA79R01 | F-3 |
| | | SA79R02 | F-3 |
| | | SA79R03 | F-3 |
| | | SALCOR® Insulated Jumper Clamps | H-4 |
| | | SALPOL® & Work Gloves | A-17 |
| | | SC4 | B-12 |
| | | SC5 | B-12 |
| | | SC6 | B-12 |
| | | SC6G | B-12 |
| | | SI Series Silicone Insulator | M-4 |
| | | Silicone Bushing Covers | E-3 |
| | | Silicone Insulators | M-3 |
| | | Silicone Stinger Cover | E-6, E-5 |
| | | Single Grounding Assemblies | I-17 |
| | | Sleeve Storage & Accessories | A-15 |
| | | SP-L | A-17 |
| | | SP-S | A-17 |
| | | Specialty Clamps | I-12 |
| | | Specialty Hot Switch Sticks | L-9 |
| | | Splice Guards | L-6 |
| | | Static Discharge Stick | L-14 |
| | | Storage for Hot Sticks | L-13 |
| | | Straight Cuff Gloves | A-6 |
| | | Strain Relief Sleeves | I-16 |
| | | SU150-3 | B-8 |
| | | SU150-3C | B-8 |
| | | SU150-6 | B-8 |
| | | SU150-6C | B-8 |
| | | SU150-45 | B-8 |
| | | SU150-45C | B-8 |
| | | SU200-3 | B-8 |
| | | SU200-6 | B-8 |
| | | SU200-45 | B-8 |
| | | SU250-3 | B-8 |
| | | SU250-6 | B-8 |
| | | SU250-45 | B-8 |
| | | Substation Bus Clamps | J-10 |
| | | Substation Cover-up | D-7 |
| | | Sure-Lok® Jumper Clamps | H-4 |
| | | Switchboard Matting | C-5 |
| | | “T” Handle Adapter | K-5 |
| | | T31 | A-15 |
| | | T32 | A-15 |
| | | TD | B-12 |
| | | Tee Connectors | D-5 |
| | | Temporary Side Arms | L-29 |
| | | TH111 | B-12 |
| | | Threaded Grounding Ferrules | I-16 |
| | | Tool Heads | L-16 |
| | | Tools, Fuse Puller | L-22 |
| | | Transfer Arms | L-29 |
| | | Tubular Brushes | K-7 |
| | | TY14 | C-9 |
| | | TY30 | C-9 |
| | | U106 | B-9 |
| | | U110 | B-9 |
| | | UC | B-8 |
| | | UC2 | B-8 |
| | | UH | B-10 |
| | | Underground Dead Break Set | J-18 |
| | | Underground Grounding Studs | K-9 |
| | | Underground Tools | K-10 |
| | | Universal Switch Sticks | L-4 |
| | | Unshrouded Ferrules | I-15 |
| | | USC | B-10 |
| | | UST | L-17 |
| | | UWG-HUXT | A-17 |
| | | UWG-KLG | A-17 |
| | | Versa Guards | D-5 |
| | | VG01 | J-15 |
| | | VG01013 | J-15 |
| | | VG01033 | J-15 |
| | | VG01034 | J-15 |
| | | VG01B | J-15 |
| | | VG01GA | J-15 |
| | | VG11013 | J-15 |
| | | VG11013B | J-15 |
| | | VG11033 | J-15 |
| | | VG11033B | J-15 |
| | | VG11034 | J-15 |
| | | VG11034B | J-15 |
| | | VGF01 | J-15 |
| | | VGF01033 | J-15 |
| | | VGF01034 | J-15 |
| | | VGF01B | J-15 |
| | | VGF01GA | J-15 |
| | | VGF11013 | J-15 |
| | | VGF11033 | J-15 |
| | | VGF11034 | J-15 |
| | | VGF11034B | J-15 |
| | | Voltage Detectors | N-2 |
| | | Wild Life Outage Protection | E-7 |
| | | YN20 | C-8 |

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