



**MACLEAN SENIOR INDUSTRIES**

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# ***Outside Plant Hardware***

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***The MSI Experience...When Support Counts!***

## **Our Heritage**

MacLean Senior Industries (MSI), formed by merging of the communications business of MacLean Power Systems with Senior Industries, offers the most comprehensive line of Outside Plant Hardware available. This includes; aerial and poleline hardware, anchors, automatic connectors, bonding and grounding products, drop hardware and datacom products for the Telephone, Broadband and Satellite TV markets. Prestigious brands include Joslyn aerial construction hardware, Reliable Strandwise automatic connectors, Senior drop hardware and bonding products, and Foresight driven anchors.

MSI has proudly served the communications market for over 40 years, creating products and developing solutions to meet the specific requirements of our customers. We continue to develop close relationships with our customers by supplying top quality products at competitive prices, with the highest level of service.

## **Design/Product Development**

If the product you need is not listed in our catalog or on our web site, please contact us. Experienced MSI professionals with a problem solving attitude, backed by the most recent technological capabilities, will respond to your unique product need with an innovative and cost effective solution that can be produced to meet your budget and timetable. With over 50 patents and the track record of developing hundreds of proven products, you can trust us to provide exactly what you need, when you need it.

## **Worldwide Manufacturing Resources**

MSI is an American company with global manufacturing capabilities. With over 20 factories worldwide, 10 of them in the U.S., we can ensure that your product needs will be met when you need them. Our global manufacturing strategy allows for the optimal combination of quality, cost and delivery. A major part of this strategy is storm preparation and response. With a dedicated storm inventory, we are ideally positioned to assist with restoration demands ranging from ice storms to hurricanes.

## **Quality You Can Depend On**

MSI is ISO 9001 certified. We won't produce a product that doesn't meet our high quality and reliability standards, per the product specifications. If you have a question about any MSI product, we will be there to respond to it. The brands we sell have earned a reputation over time as the most proven and consistently high quality products available in our industry.

## **Service/Distribution**

In addition to the MSI Headquarters and Distribution facility in Wood Dale, Illinois, we utilize seven other warehouses around the U.S. By monitoring your part usage patterns, we can often anticipate your requirements, making sure that parts are available when and where you need them. We also provide bar coding and EDI order entry to help you easily control your business.



# **MACLEAN SENIOR INDUSTRIES**

**MacLean Senior Industries, LLC**

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**ANCHORS**

|                        |       |
|------------------------|-------|
| Power Hubs             | AN 1  |
| Power Shafts           | AN 5  |
| Driven Anchors         | AN 10 |
| Expanding Anchors      | AN 12 |
| Cross Plate Anchors    | AN 12 |
| Pole Key Anchors       | AN 12 |
| Rods                   | AN 12 |
| Rock Anchors           | AN 13 |
| No Wrench Anchors      | AN 13 |
| Clamps and Accessories | AN 14 |
| Cabinet Piles          | AN 15 |

**AERIAL/POLELINE HARDWARE**

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| Tags               | DH 14 |
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**BONDING AND GROUNDING PRODUCTS**

|                         |       |
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| Ground Lugs             | BG 16 |
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| Split Bolts             | BG 17 |
| Tags                    | BG 17 |
| Terminals               | BG 18 |
| Wires, Ribbons & Braids | BG 18 |

**DATAKOM PRODUCTS**

|                    |      |
|--------------------|------|
| Baseboard Clips    | DC 1 |
| Bridle Rings       | DC 1 |
| Distribution Rings | DC 2 |
| Drive Rings        | DC 2 |
| Wall Plates        | DC 2 |

**TOOLS**

|                  |      |
|------------------|------|
| Handi-Reels      | TL 1 |
| Terminal Wrench  | TL 1 |
| Throwing Weights | TL 1 |

# IsoTec Alliance, LLC



## CERTIFICATE OF REGISTRATION

### MacLean Senior Industries

610 Pond Drive  
Wood Dale, IL 60191  
USA

Has implemented and maintains a Quality Management System  
that meets the requirements of ISO 9001: 2008

#### The scope of registration includes:

Designer, manufacturer and supplier of standard and custom electro-mechanical components to the telecommunications and other industries with emphasis on switches, jacks, connectors, magnetic products, (transformers, chokes, coils), plugs, cable assemblies; and outside plant hardware products to the telephone, CATV and utility industries.

Through an accredited audit process, it was verified that the management system  
fulfills the requirements of the following standard:

# ISO 9001 : 2008

|                              |                |
|------------------------------|----------------|
| Certificate registration no. | 2012 - 472     |
| Date of Certification        | 2012 - 06 - 25 |
| Valid Until                  | 2015 - 06 - 25 |

Thomas Richardson  
President

A handwritten signature in black ink that reads 'Tom Richardson'.



Iso Tec Alliance, LLC  
4007 Jubilee Court, Concord, NC 28027

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| J9640       | PH 6  | P157X          | PH 32 | SI-210      | PH 48 | SI-0075        | PH 29 | SI-0969 Series | DH 4  |
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| SI-1438        | PH 5      | SI-2181        | BG 8  | SI-6102        | DH 10 | SI-BHB Series  | BG 1       |               |       |
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| SI-1508        | PH 5      | SI-2290        | BG 16 | SI-6104        | DH 10 | SI-BSC-6       | BG 8       |               |       |



## MacLean Senior Industries (MSI) offers a wide range of anchors for guying applications and helical foundation piles for supporting communications cabinets.

The combined Joslyn and Dixie anchor brands have been supplying products to the telecommunication industry since the 1920's.

Power Hub, Power Shaft and No-Wrench Screw Anchors provide many benefits, including a minimized total installed cost and ease of installation under variable soils or weather conditions.

Patented Manta Ray® driven anchors eliminate the need for an auger/digger truck and can be installed with a jack hammer, bobcat, or other hydraulic or pneumatic device. Manta Ray® anchors are "load locked" after installation to insure proper holding strength.

Material for MSI anchors is received from the steel mills with material certificates and meets the appropriate ASTM or MSI proprietary specification. Laboratory testing includes torsion, helix compression, and tension, among other tests, to confirm the products meet specification.

MacLean Senior Industries' rigid quality assurance program assures all materials, manufacturing processes, and critical dimensions conform to ASTM, ANSI and other applicable standards, including proprietary MSI specifications.

With global and domestic manufacturing capabilities, we can ensure your product needs will be met when you need them.

Hot-dip galvanizing is in accordance with ASTM A153.

For technical support, installation information and special requirements please contact our Inside Sales Team at: 1-800-350-1650, or via e-mail at: sales@macleansenior.com

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### POWER HUB ANCHORS

MacLean Senior Industries Power Hub Anchor System offers a versatile and cost effective power driven screw anchor for applications through Class 2 soils and to 36,000 Lbs. holding strength. These anchors can be installed to a depth of 14' with either a boom suspended torque motor line truck or rack type digger truck.

A complete Power Hub Anchor Assembly consists of a helix-hub assembly, anchor rod, and eyenut. The helix size (diameter) is selected for the required holding strength. The hub, either socket drive Turbo Drive® or solid hub is selected for the installation torque requirement. The rod is selected for the guy load and installed depth, and the eyenut is selected for the number of guys.

The helix hub is either a socket drive or solid hub with various combinations of helices, torque ratings, and different rod sizes as listed in the tables. The torque required to install the anchor will determine the anchor hub rating.

The anchor rods are 5/8", 3/4" and 1" nominal sizes for 16,000, 23,000 and 36,000 Lbs. ultimate tension, respectively. Anchor rod lengths are 3.5' and 7'. The ends of the 3/4" diameter rod are upset and have the same thread as the 1" rod. The typical installation is with one 7' length rod. Eyenuts are designated with an "S", "D" or "T" for attaching one, two, or three guys, respectively.

### POWER HUB-RCS SOLID HUB ANCHORS

- Used for normal soils
- Install with standard 10,000 Ft-Lbs 5 1/4" bolt circle power hub anchor installing tool
- All of the power hub anchor rods are used with this anchor

### 1 3/8" SOLID SQUARE HUB - FOR STANDARD INSTALLING TOOL

#### Single Helix 4,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size | Tapped for Rod Size | Carton Qty | Carton Weight |
|-------------|------------|---------------------|------------|---------------|
| D82         | 8"         | 5/8"                | 4          | 40 Lbs.       |
| D84         | 8"         | 3/4" or 1"          | 4          | 40 Lbs.       |
| D102        | 10"        | 5/8"                | 4          | 50 Lbs.       |
| D104        | 10"        | 3/4" or 1"          | 4          | 50 Lbs.       |
| D112        | 12"        | 5/8"                | 4          | 64 Lbs.       |
| D114        | 12"        | 3/4" or 1"          | 4          | 64 Lbs.       |
| D134        | 14"        | 3/4" or 1"          | 3          | 63 Lbs.       |



## Single Helix 6,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size | Tapped for Rod Size | Carton Qty | Carton Weight |
|-------------|------------|---------------------|------------|---------------|
| D82-6       | 8"         | 5/8"                | 4          | 40 Lbs.       |
| D84-6       | 8"         | 3/4" or 1"          | 4          | 40 Lbs.       |
| D102-6      | 10"        | 5/8"                | 4          | 50 Lbs.       |
| D104-6      | 10"        | 3/4" or 1"          | 4          | 50 Lbs.       |
| D112-6      | 12"        | 5/8"                | 4          | 64 Lbs.       |
| D114-6      | 12"        | 3/4" or 1"          | 4          | 64 Lbs.       |
| D134-6      | 14"        | 3/4" or 1"          | 3          | 63 Lbs.       |



## 1 1/2" SOLID SQUARE HUB - FOR STANDARD INSTALLING TOOL

### Single Helix 5,500 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size | Tapped for Rod Size | Carton Qty | Carton Weight |
|-------------|------------|---------------------|------------|---------------|
| D182        | 8"         | 5/8"                | 4          | 44 Lbs.       |
| D184        | 8"         | 3/4" or 1"          | 4          | 44 Lbs.       |
| D1102       | 10"        | 5/8"                | 4          | 54 Lbs.       |
| D1104       | 10"        | 3/4" or 1"          | 4          | 54 Lbs.       |
| D1114       | 12"        | 3/4" or 1"          | 4          | 70 Lbs.       |
| D1134       | 14"        | 3/4" or 1"          | 3          | 66 Lbs.       |

### Single Helix 7,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size | Tapped for Rod Size | Carton Qty | Carton Weight |
|-------------|------------|---------------------|------------|---------------|
| D184-7      | 8"         | 3/4" or 1"          | 4          | 41 Lbs.       |
| D1104-7     | 10"        | 3/4" or 1"          | 4          | 62 Lbs.       |
| D1114-7     | 12"        | 3/4" or 1"          | 4          | 67 Lbs.       |

## ROD WITH EYENUT

- Power hub anchor rod and eyenut are assembled at the factory
- Used with solid hub or socket drive power hub screw anchors
- One part number for both the rod and eyenut simplifies material handling
- All parts hot-dip galvanized
- U.S. made versions available



### 5/8" Diameter - 16,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Eyenut Type    | Carton Qty | Carton Weight |
|-------------|--------|----------------|------------|---------------|
| D6231/2 S   | 3 1/2' | Single Guy Eye | 5          | 18 Lbs.       |
| D6231/2 D   | 3 1/2' | Double Guy Eye | 5          | 18 Lbs.       |
| D6231/2 T   | 3 1/2' | Triple Guy Eye | 5          | 18 Lbs.       |
| D62S        | 7'     | Single Guy Eye | 5          | 39 Lbs.       |
| D62D        | 7'     | Double Guy Eye | 5          | 39 Lbs.       |
| D62T        | 7'     | Triple Guy Eye | 5          | 44 Lbs.       |

### 3/4" Diameter - 23,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Eyenut Type    | Carton Qty | Carton Weight |
|-------------|--------|----------------|------------|---------------|
| D7531/2S    | 3 1/2' | Single Guy Eye | 5          | 35 Lbs.       |
| D7531/2D    | 3 1/2' | Double Guy Eye | 5          | 35 Lbs.       |
| D7531/2T    | 3 1/2' | Triple Guy Eye | 5          | 35 Lbs.       |
| D75S        | 7'     | Single Guy Eye | 5          | 58 Lbs.       |
| D75D        | 7'     | Double Guy Eye | 5          | 58 Lbs.       |
| D75T        | 7'     | Triple Guy Eye | 5          | 60 Lbs.       |

### 1" Diameter - 36,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Eyenut Type    | Carton Qty | Carton Weight |
|-------------|--------|----------------|------------|---------------|
| D10031/2S   | 3 1/2' | Single Guy Eye | 2          | 18 Lbs.       |
| D10031/2D   | 3 1/2' | Double Guy Eye | 2          | 18 Lbs.       |
| D10031/2T   | 3 1/2' | Triple Guy Eye | 2          | 18 Lbs.       |
| D100S       | 7'     | Single Guy Eye | 2          | 28 Lbs.       |
| D100D       | 7'     | Double Guy Eye | 2          | 31 Lbs.       |
| D100T       | 7'     | Triple Guy Eye | 2          | 37 Lbs.       |

## ROD ONLY

- Power hub anchor rod is used with solid hub or socket drive power hub screw anchors
- All parts hot-dip galvanized
- U.S. made versions available

### 5/8" Diameter - 16,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D6231/2     | 3½'    | 5          | 18 Lbs.       |
| D62         | 7'     | 5          | 33 Lbs.       |

### 3/4" Diameter - 23,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D7531/2     | 3½'    | 5          | 26 Lbs.       |
| D75         | 7'     | 5          | 49 Lbs.       |

### 1" Diameter - 36,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D10031/2    | 3½'    | 2          | 18 Lbs.       |
| D100        | 7'     | 2          | 33 Lbs.       |



## ROD EXTENSION WITH COUPLING

- Power hub anchor rod and coupling are assembled at the factory
- Used with solid hub or socket drive power hub screw anchors
- One part number for both the rod and coupling simplifies material handling
- All parts hot-dip galvanized
- U.S. made versions available

### 5/8" Diameter - 16,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D6231/2C    | 3½'    | 5          | 20 Lbs.       |
| D62C        | 7'     | 5          | 35 Lbs.       |

### 3/4" Diameter - 23,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D7531/2C    | 3½'    | 5          | 28 Lbs.       |
| D75C        | 7'     | 5          | 51 Lbs.       |

### 1" Diameter - 36,000 Lbs. Ultimate Tensile Strength

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D10031/2C   | 3½'    | 2          | 18 Lbs.       |
| D100C       | 7'     | 2          | 28 Lbs.       |

## EYENUT ONLY

- Used with power hub rods for solid hub or socket drive power hub screw anchors
- All parts hot-dip galvanized

### 5/8" Diameter - 16,000 Lbs. Ultimate Tensile Strength

| Part Number | EyenuT Type    | Carton Size | Carton Weight |
|-------------|----------------|-------------|---------------|
| D6510A      | Single Guy Eye | 50          | 51 Lbs.       |
| D6560A      | Double Guy Eye | 25          | 34 Lbs.       |
| D6565       | Triple Guy Eye | 25          | 56 Lbs.       |

### 3/4" & 1" Diameter - 36,000 Lbs. Ultimate Tensile Strength

| Part Number | EyenuT Type    | Carton Size | Carton Weight |
|-------------|----------------|-------------|---------------|
| D6512       | Single Guy Eye | 25          | 51 Lbs.       |
| D6562A      | Double Guy Eye | 25          | 46 Lbs.       |
| D6567       | Triple Guy Eye | 25          | 51 Lbs.       |



D6510A



D6560A



D6565

## COUPLING ONLY

- These couplings are used with all power hub rods when additional rods must be installed
- All parts hot-dip galvanized
- U.S. made versions available



### 5/8" Diameter - 16,000 Lbs. Ultimate Tensile Strength

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| D352        | 100        | 41 Lbs.       |

### 3/4" & 1" Diameter - 36,000 Lbs. Ultimate Tensile Strength

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| D354        | 50         | 24 Lbs.       |

## SOCKET DRIVE / TURBO DRIVE®

- Used for tough soils where the solid hub anchors cannot be installed
- One piece cast steel hub for increased torque and bending strength
- Four flute hub to break up tough soils
- Install 2 1/4" with standard power anchor installing tool (5 1/4" bolt circle)
- Install 2 1/2" with high strength power anchor installing tool (7 5/8" bolt circle)
- All of the power installed anchor rods are used with the Turbo Drive® anchor
- Standard Turbo Drive® anchors are used with 3/8" helix
- Heavy duty Turbo Drive® anchors are used with 1/2" helix
- U.S. made versions available

## 2 1/4" SOCKET DRIVE ANCHOR

### Standard 10,000 Ft-Lbs Ultimate Torque Capacity

| Part Number | Helix Size | Tapped for Rod Size | Carton Qty | Carton Weight |
|-------------|------------|---------------------|------------|---------------|
| TD225-82    | 8"         | 5/8"                | 4          | 44 Lbs.       |
| TD225-84    | 8"         | 3/4" or 1"          | 4          | 44 Lbs.       |
| TD225-102   | 10"        | 5/8"                | 4          | 49 Lbs.       |
| TD225-104   | 10"        | 3/4" or 1"          | 4          | 57 Lbs.       |
| TD225-112   | 12"        | 5/8"                | 4          | 69 Lbs.       |
| TD225-114   | 12"        | 3/4" or 1"          | 4          | 84 Lbs.       |
| TD225-134   | 14"        | 3/4" or 1"          | 3          | 77 Lbs.       |



### Heavy-Duty 10,000 Ft-Lbs Ultimate Torque Capacity

| Part Number | Helix Size | Eyebut Type | Carton Qty | Carton Weight |
|-------------|------------|-------------|------------|---------------|
| TDH225-82   | 8"         | 5/8"        | 4          | 44 Lbs.       |
| TDH225-84   | 8"         | 3/4" or 1"  | 4          | 44 Lbs.       |
| TDH225-102  | 10"        | 5/8"        | 4          | 49 Lbs.       |
| TDH225-104  | 10"        | 3/4" or 1"  | 4          | 57 Lbs.       |
| TDH225-112  | 12"        | 5/8"        | 4          | 69 Lbs.       |
| TDH225-114  | 12"        | 3/4" or 1"  | 4          | 84 Lbs.       |
| TDH225-134  | 14"        | 3/4" or 1"  | 3          | 77 Lbs.       |

## 2 1/2" SOCKET DRIVE ANCHOR

### Standard 10,000 Ft-Lbs Ultimate Torque Capacity

| Part Number | Helix Size | Tapped for Rod Size | Carton Qty | Carton Weight |
|-------------|------------|---------------------|------------|---------------|
| TD250-82    | 8"         | 5/8"                | 4          | 65 Lbs.       |
| TD250-84    | 8"         | 3/4" or 1"          | 4          | 44 Lbs.       |
| TD250-102   | 10"        | 5/8"                | 4          | 54 Lbs.       |
| TD250-104   | 10"        | 3/4" or 1"          | 4          | 54 Lbs.       |
| TD250-112   | 12"        | 5/8"                | 4          | 54 Lbs.       |
| TD250-114   | 12"        | 3/4" or 1"          | 2          | 39 Lbs.       |
| TD250-134   | 14"        | 3/4" or 1"          | 2          | 48 Lbs.       |

### Heavy-Duty 15,000 Ft-Lbs Ultimate Torque Capacity

| Part Number | Helix Size | Eyebut Type | Carton Qty | Carton Weight |
|-------------|------------|-------------|------------|---------------|
| TDH250-82   | 8"         | 5/8"        | 4          | 57 Lbs.       |
| TDH250-84   | 8"         | 3/4" or 1"  | 4          | 57 Lbs.       |
| TDH250-102  | 10"        | 5/8"        | 4          | 70 Lbs.       |
| TDH250-104  | 10"        | 3/4" or 1"  | 4          | 70 Lbs.       |
| TDH250-112  | 12"        | 5/8"        | 4          | 46 Lbs.       |
| TDH250-114  | 12"        | 3/4" or 1"  | 2          | 46 Lbs.       |
| TDH250-134  | 14"        | 3/4" or 1"  | 2          | 56 Lbs.       |

## POWER SHAFTS

- 1 1/4" diameter screw anchor is used in areas where relatively soft soils are present and with moderate holding strength requirements
- Ultimate torsion capacity of the shaft is 2,300 Ft-Lbs. protection
- U.S. made versions available

### 1 1/4" ROUND SHAFT ANCHOR

#### 1 1/4" Round Shaft, 7' Length - 2,300 Ft-Lbs Ultimate Installing Torque

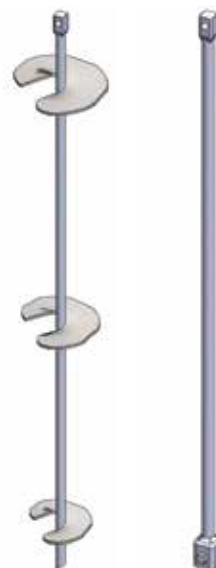
| Part Number | Helix Size | Carton Qty | Carton Weight |
|-------------|------------|------------|---------------|
| D6708       | 8"         | 25         | 1,170 Lbs.    |
| D6710       | 10"        | 25         | 1,050 Lbs.    |
| D6711       | 12"        | 25         | 1,065 Lbs.    |
| D6713       | 14"        | 25         | 1,380 Lbs.    |
| D6720       | 8"/10"     | 25         | 1,200 Lbs.    |
| D6730       | 8"/10"/12" | 25         | 1,425 Lbs.    |

#### 1 1/4" Round Shaft Extensions - 2,300 Ft-Lbs Ultimate Installing Torque

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D6733       | 3.5'   | 10         | 182 Lbs.      |
| D6735       | 5'     | 10         | 251 Lbs.      |
| D6737       | 7'     | 10         | 335 Lbs.      |
| D6740       | 10'    | 10         | 456 Lbs.      |

Notes:

- 1) Part numbers above are for lead section only
- 2) Add suffix "-S" for single guy eye attachment; add "-D" for double guy eye attachment; add suffix "-T" for triple guy eye attachment



### 1 1/2" GUY ATTACHMENT

- Available in single eye, double eye, or triple eye
- U.S. made versions available

| Part Number | No. of Guys | Carton Qty | Carton Weight |
|-------------|-------------|------------|---------------|
| D6602US     | 1           | 5          | 38 Lbs.       |
| D6604US     | 2           | 5          | 38 Lbs.       |
| D6606US     | 3           | 5          | 41 Lbs.       |



### 1 1/2" SQUARE SHAFT LEAD ANCHOR

- 1 1/2" square screw anchors are used in areas where additional helices must be installed and greater torque capacity is required
- There are two ratings - standard with 5,500 Ft-Lbs and high strength with 7,000 Ft-Lbs ultimate torque capacity
- Ultimate anchor holding strength and mechanical strength (lead section, extension, guy adapter) is 70,000 Lbs.
- U.S. made versions available

#### 5,500 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size      | Length  | Carton Qty | Carton Weight |
|-------------|-----------------|---------|------------|---------------|
| D6632       | 8"/10"          | 3'      | 25         | 865 Lbs.      |
| D6634       | 10"/12"         | 3 1/2'  | 25         | 1,205 Lbs.    |
| D6635       | 8"/10"/12"/14"  | 10 1/2' | 15         | 1,895 Lbs.    |
| D6636       | 8"/10"/12"      | 5 1/2'  | 25         | 1,625 Lbs.    |
| D6637       | 10"/12"/14"     | 7'      | 20         | 1,830 Lbs.    |
| D6638       | 10"/12"/14"/14" | 10 1/2' | 15         | 2,055 Lbs.    |

Notes:

- 1) Part numbers above are for lead section only
- 2) Add suffix "-SU" for single guy eye attachment; add "-DU" for double guy eye attachment; add suffix "-TU" for triple guy eye attachment (i.e. D6632SU)



## 1 1/2" SQUARE EXTENSION WITH HELIX

- Extensions with helix for additional helices
- Extensions range from 3 1/2' to 10' in length
- The extension torque rating must match the lead section
- U.S. made versions available

### 5,500 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size | Length | Carton Qty | Carton Weight |
|-------------|------------|--------|------------|---------------|
| D6620UD     | 14"        | 5'     | 5          | 285 Lbs.      |



## 1 1/2" SQUARE SHAFT EXTENSION WITHOUT HELIX

### 5,500 Ft-Lbs Ultimate Installing Torque

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D6616U      | 3 1/2' | 10         | 285 Lbs.      |
| D6620U      | 5'     | 10         | 405 Lbs.      |
| D6625-U     | 7'     | 10         | 555 Lbs.      |
| D6630-U     | 10'    | 10         | 800 Lbs.      |



## 1 1/2" SQUARE SHAFT LEAD ANCHOR

- 1 1/2" square screw anchors are used in areas where additional helices must be installed and greater torque capacity is required
- There are two ratings - standard with 5,500 Ft-Lbs and high strength with 7,000 Ft-Lbs ultimate torque capacity
- Ultimate anchor holding strength and mechanical strength (lead section, extension, guy adapter) is 70,000 Lbs
- U.S. made versions available

### 7,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size  | Length | Carton Qty | Carton Weight |
|-------------|-------------|--------|------------|---------------|
| D6632-7     | 8"/10"      | 3'     | 25         | 1,335 Lbs.    |
| D6634-7     | 10"/12"     | 3 1/2' | 25         | 1,500 Lbs.    |
| D6636-7     | 8"/10"/12"  | 5 1/2' | 20         | 1,750 Lbs.    |
| D6637-7     | 10"/12"/14" | 7'     | 20         | 1,800 Lbs.    |



#### Notes:

- 1) Part numbers above are for lead section only
- 2) Add suffix "-SU" for single guy eye attachment; add "-DU" for double guy eye attachment; add suffix "-TU" for triple guy eye attachment (i.e. D6632SU7)

## 1 1/2" SQUARE EXTENSION WITH HELIX

- Extensions with helix for additional helices
- Extensions range from 3 1/2' to 10' in length
- The extension torque rating must match the lead section
- U.S. made versions available

### 7,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size | Length | Carton Qty | Carton Weight |
|-------------|------------|--------|------------|---------------|
| D6616UC7    | 12"        | 3 1/2' | 5          | 206 Lbs.      |
| D6616UD7    | 14"        | 3 1/2' | 5          | 206 Lbs.      |



## 1 1/2" SQUARE SHAFT EXTENSION WITHOUT HELIX

### 7,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D6616U7     | 3 1/2' | 10         | 310 Lbs.      |
| D6620U7     | 5'     | 10         | 410 Lbs.      |
| D6625U7     | 7'     | 10         | 575 Lbs.      |
| D6630U7     | 10'    | 20         | 1590 Lbs.     |



## 1 3/4" SQUARE SHAFT ANCHOR

- 1 3/4" square screw anchors are used in areas where additional helices must be installed and greater torque capacity is required
- The shaft is rated at 10,000 Ft-Lbs ultimate torque capacity
- Ultimate anchor holding strength and mechanical strength (lead section, extension, guy adapter) is 100,000 Lbs.
- U.S. made versions available

### 10,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size      | Length | Carton Qty | Carton Weight |
|-------------|-----------------|--------|------------|---------------|
| D17532      | 8"/10"          | 5'     | 5          | 335 Lbs.      |
| D17536      | 8"/10"/12"      | 5 1/2' | 20         | 2,000 Lbs.    |
| D17538      | 10"/12"/14"/14" | 10'    | 15         | 2,395 Lbs.    |



## 1<sup>3</sup>/<sub>4</sub>" SQUARE EXTENSION WITH HELIX

- Extensions with helix for additional helices
- \* Only to be installed to the lead section
- Extensions range from 3<sup>1</sup>/<sub>2</sub>' to 10' in length
- The extension torque rating must match the lead section
- U.S. made versions available

### 10,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size | Length | Carton Qty | Carton Weight |
|-------------|------------|--------|------------|---------------|
| D2801-0011  | 14"        | 4'     | 5          | 320 Lbs.      |



## 1<sup>3</sup>/<sub>4</sub>" SQUARE SHAFT EXTENSION WITHOUT HELIX

### 10,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Length                          | Carton Qty | Carton Weight |
|-------------|---------------------------------|------------|---------------|
| D17516      | 3 <sup>1</sup> / <sub>2</sub> ' | 50         | 1,900 Lbs.    |
| D17520      | 5'                              | 40         | 2,170 Lbs.    |
| D17525      | 7'                              | 25         | 1,880 Lbs.    |
| D17530      | 10'                             | 20         | 2,160 Lbs.    |



## 1<sup>3</sup>/<sub>4</sub>" GUY ATTACHMENT

- Triple eye
- U.S. made versions available

| Part Number | No. of Guys | Carton Qty | Carton Weight |
|-------------|-------------|------------|---------------|
| D2801-0002  | 3           | 20         | 510 Lbs.      |





## 2" SQUARE SHAFT ANCHOR

- 2" square screw anchors are used in areas where additional helices must be installed and greater torque capacity is required
- The shaft is rated at 15,000 Ft-Lbs ultimate torque capacity
- Ultimate anchor holding strength and mechanical strength (lead section, extension, guy adapter) is 150,000 Lbs.
- U.S. made versions available

### 15,000 Ft-Lbs Ultimate Installing Torque

| Part Number  | Helix Size  | Length | Carton Qty | Carton Weight |
|--------------|-------------|--------|------------|---------------|
| D1560T810    | 8"/10"      | 5'     | 20         | 1,745 Lbs.    |
| D1560T1012   | 10"/12"     | 5'     | 20         | 1,825 Lbs.    |
| D1566T81012  | 8"/10"/12"  | 5½'    | 15         | 1,655 Lbs.    |
| D1584T101214 | 10"/12"/14" | 7'     | 15         | 2,195 Lbs.    |

Notes:

- 1) Catalog numbers above are for lead section only
- 2) Add suffix "-TU" for triple guy eye attachment



## 2" SQUARE EXTENSION WITH HELIX

- Extensions with helix for additional helices
- Only to be installed to the lead section
- Extensions range from 3½' to 10' in length
- The extension torque rating must match the lead section
- U.S. made versions available

### 15,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Helix Size | Length | Carton Qty | Carton Weight |
|-------------|------------|--------|------------|---------------|
| D15E60T12   | 12"        | 5'     | 15         | 1,392 Lbs.    |
| D15E60T14   | 14"        | 5'     | 15         | 1,470 Lbs.    |
| D15E84T14   | 14"        | 7'     | 15         | 1,880 Lbs.    |



## 2" SQUARE EXTENSION WITHOUT HELIX

### 15,000 Ft-Lbs Ultimate Installing Torque

| Part Number | Length | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| D15E60      | 5'     | 20         | 1,680 Lbs.    |
| D15E84      | 7'     | 20         | 1,940 Lbs.    |



## DRIVEN ANCHORS

### MANTA RAY® ANCHOR

- Pneumatically driven, no digging, no damage, no soil disturbance
- Anchors proof loaded to exact capacity required during installation
- Fast, easy installation
- Lightweight, portable equipment
- Substantial time and cost savings

| Part Number | Model Number | Description   |
|-------------|--------------|---|
| 20221-II    | MR-4-UT-II   | 12M guy capacity in class 1-3 soils. Used with 5/8" Utility Anchor Rod. 6 per carton, carton weight: 32 Lbs.  |
| 20210-UT-II | MR-3-UT-II   | 18M guy capacity in class 1-5 soils. 12M guy capacity in class 1-6 soils. Used with 5/8" Utility Anchor Rod. 6 per carton, carton weight: 44 Lbs.               |
| 20199-UT-II | MR-2-UT-II   | 32M guy capacity in class 1-3 soils. 18M and 12M guy capacity in class 4-5 soils. Used with 3/4" or 1" Utility Anchor Rod. 4 per carton, carton weight: 43 Lbs. |
| 20036-UT-II | MR-1-UT-II   | 32M guy capacity in class 3-5 soils. 18M and 12M guy capacity in class 6 soils. Used with 1" Utility Anchor Rod. 4 per carton, carton weight: 52 Lbs.           |
| 20229-UT-II | MR-SR-UT-II  | 32M guy capacity in class 5-6 soils. 18M and 12M guy capacity in class 7-8 soils. Used with 1" Utility Anchor Rod. 2 per carton, carton weight: 42 Lbs.         |
| 20031       | MK-B-UT-II   | 32M guy capacity in class 7-8 soils. Not driven less than 14' deep to load lock. Used with 1" Utility Anchor Rod. 1 per carton, carton weight: 69 Lbs.          |



MR-4-UT-II



MR-3-UT-II



MR-2-UT-II



MR-1-UT-II



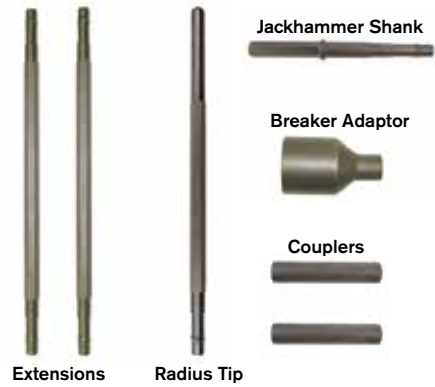
MR-SR-UT-II



MK-B-UT-II

## MANTA RAY® EXTENSION

| Part Number | Model Number | Description                             | Carton Qty | Carton Weight |
|-------------|--------------|---|------------|---------------|
| 50233       | SG-2         | Drive steel extension piece - 33"       | 1          | 13 Lbs.       |
| 50236       | SG-3         | Radius drive tip - 30"                  | 1          | 12 Lbs.       |
| 50240       | SG-4         | Drive steel coupler piece - Standard    | 1          | 4 Lbs.        |
| 51014       | SG-4MD       | Drive steel coupler piece - Medium Duty | 1          | 5 Lbs.        |



## MANTA RAY® TOOL

| Part Number | Model Number | Description   | Carton Qty | Carton Weight |
|-------------|--------------|---|------------|---------------|
| 50242       | SG-X         | Drive steel extractor bar   | 1          | 2 Lbs.        |
| 50243       | SGC-14       | Kit for 1 1/4" x 6" chuck hammer/breakers                             | 1          | 61 Lbs.       |
| 50244       | SGC-18       | Kit for 1 1/8" x 6" chuck hammer/breakers                             | 1          | 59 Lbs.       |
| 50231       | SG-14        | 1 1/4" hex x 16" shank, 15 1/2" overall length                        | 1          | 7 Lbs.        |
| 50232       | SG-18        | 1 1/8" hex x 16" shank, 15 1/2" overall length                        | 1          | 6 Lbs.        |
| 50127       | LL-1         | Complete Anchor Locker Assembly                                       | 1          | 148 Lbs.      |
| 50364       | HB90-14CE    | Hydraulic Anchor Driving Hammer with 1 1/4" x 6" chuck, 90# class     | 1          | 89 Lbs.       |
| 50087       | HC-16-25     | 25' Hydraulic Hose with HTMA II coupler, Minimum of 2 Required, use 4 | 1          | 9 Lbs.        |
| 50382       | GPU18-8CE    | Portable Hydraulic Power Unit, 18 Hp, 5-8 GPM, 2000 PSI               | 1          | 316 Lbs.      |
| 50084       | GB-1         | Drive steel carrying bag  | 1          | 2 Lbs.        |

### KIP (1,000lbs)/KN\* Capacity Chart Based on Standard 7 ft (2.1 m) Utility Anchor Rod Depth in Soil

| Soil Type   | Common Soil Type Description   | Type Blow count "N" per ASTM-D 1586 | MR-4   |        | MR-3  |       | MR-2  |        | MR-1   |         | MR-SR  |         | MK-8  |        |
|---|--|-------------------------------------|--|--------|---|-------|---|--------|--|---------|--|---------|---|--------|
|   |  |                                     | KIPS   | KN     | KIPS  | KN    | KIPS  | KN     | KIPS   | KN      | KIPS   | KN      | KIPS  | KN     |
| <b>ULTIMATE STRENGTH</b>  |  |                                     | 16   | 71     | 20  | 89    | 40  | 178    | 40   | 178     | 40   | 178     | 40  | 178    |
| 1/2   | Dense fine compacte sand: Very hard silts and clays                                      | 45-60                               | 9-16   | 40-71  | 17-20   | 76-89 | 21-28   | 93-125 | 36-40  | 160-178 | N/A  | N/A     | N/A   | N/A    |
|   |  |                                     | (2,3,4)  |        | (2,3,4)   |       | (2,4)   |        | (1,2,3)  |         | (5)  |         | (5)   |        |
| 2/3   | Dense clays, sands and gravel: Hard silts and clays                                      | 35-50                               | 6-9  | 27-40  | 12-18   | 53-80 | 15-22   | 67-98  | 24-36  | 107-160 | 32-40  | 142-178 | N/A   | N/A    |
|   |  |                                     | (4)  |        | (4)   |       | (2,4)   |        | (2,4)  |         | (2,3,4)  |         | (5)   |        |
| 3/4   | Medium dense sandy gravel: Very stiff to hard silts and clays                            | 24-40                               | 4.5-6  | 20-25  | 9-14  | 40-62 | 12-18   | 53-80  | 18-20  | 80-89   | 24-34  | 107-151 | N/A   | N/A    |
|   |  |                                     | (4)  |        | (4)   |       | (4)   |        | (4)  |         | (2,4)  |         | (5)   |        |
| 5/6   | Medium dense coarse sand and sandy gravel: Stiff to very still silts and clays           | 14-25                               | 3.5-4.5  | 16-20  | 7-9   | 31-40 | 9-12  | 40-53  | 15-20  | 67-89   | 18-24  | 80-107  | N/A   | N/A    |
|   |  |                                     | (4)  |        | (4)   |       | (4)   |        | (4)  |         | (4)  |         | (5)   |        |
| 6/7   | Loose to medium dense fine to coarse sand: Firm to stiff clays and silts                 | 7-14                                | 2.5-4.0  | 11.-18 | 5-8   | 22-36 | 7-10  | 31-44  | 10-15  | 44-67   | 14-18  | 62-80   | 20-24   | 89-107 |
|   |  |                                     | (4)  |        | (4)   |       | (4)   |        | (4)  |         | (4)  |         | (4)   |        |
| 7/8   | Loose find sand: Alluvium Soft-firm clays: Varied clays, fill, fine saturated silty sand | 4-8                                 | 1.5-2.5  | 7-11   | 3-5   | 13-22 | 5-8   | 22-36  | 8-12   | 36-53   | 9-14   | 40-62   | 13-20   | 58-89  |
|   |  |                                     | (4,6)  |        | (4,6)   |       | (4,6)   |        | (4,6)  |         | (4,6)  |         | (4,6)   |        |
| RATING<br>Anchors are compatible with industry standard anchor rods.                          |  |                                     | Up to 12M in hard soils. Up to 6M in average soils. Dual purpose anchor. Used with 5/8" anchor rods. |        | Up to 12M for average/normal soils. Used with 5/8" anchor rods. |       | Up to 32M in hard soil. Up to 18M in average soils. Dual purpose anchor. Used with 3/4" and 1" anchor rods. |        | Up to 32M for average/normal soils. Used with 3/4" and 1" anchor rods. |         | Up to 32M for loose or wet soils. Used with 3/4" and 1" anchor rods. |         | Up to 32M for very loose or wet soils. Used with 3/4" and 1" anchor rods. |        |
| PROOF LOAD<br>Maximum anchor proof load necessary (2-1 safety factor) on anchor rod strength. |  |                                     | 4,000 lbs - 5/8" rod   |        | 8,000 lbs - 5/8" rod  |       | 16,000 lbs - 1" rod<br>12,000 lbs - 3/4" rod  |        | 16,000 lbs - 1" rod<br>12,000 lbs - 3/4" rod                           |         | 16,000 lbs - 1" rod<br>12,000 lbs - 3/4" rod                         |         | 16,000 lbs - 1" rod<br>12,000 lbs - 3/4" rod                              |        |

(1) Drilled hole required to install. (2) Installation may be difficult. Pilot hole may be required. (3) Holding capacity limited by structural rating of anchors. (4) Holding capacity limited by soil failure. (5) Not recommended in these soils. (6) Wide variation in soil properties reduces prediction accuracy. Pre-construction field test recommended.

Holding capacity in KIPS and KN after anchor locking with no significant movement and no safety factor. Use this chart for estimation only. True capacity must be tested with anchor load locker.

## EXPANDING ANCHORS

- Expanding anchors are made for installation in holes augered by power drillers
- One piece formed anchor with wings and a base.
- Retainer on the bottom holds the nut from the forged eye rod
- U.S. made versions available

| Part Number | Hole Size | Area (Sq. In.) | Rod Size     | Carton Qty | Carton Weight |
|-------------|-----------|----------------|--------------|------------|---------------|
| J0870       | 6"        | 70             | 5/8"         | 12         | 57 Lbs.       |
| J8115       | 8"        | 115            | 5/8" or 3/4" | 6          | 51 Lbs.       |
| J8135       | 8"        | 135            | 5/8" or 3/4" | 6          | 49 Lbs.       |
| J8135-1     | 8"        | 135            | 1"           | 6          | 51 Lbs.       |
| J8200-1     | 10"       | 200            | 1"           | 4          | 77 Lbs.       |
| J8200-3/4   | 10"       | 200            | 5/8" or 3/4" | 4          | 73 Lbs.       |
| J0283       | 12"       | 300            | 1 1/4"       | 2          | 59 Lbs.       |
| J0283-1     | 12"       | 300            | 1 1/4"       | 2          | 60 Lbs.       |



## CROSS PLATE ANCHORS

- Expanding anchors are made for installation in holes augered by power drillers
- One piece formed anchor with wings and a base.
- Retainer on the bottom holds the nut from the forged eye rod
- U.S. made versions available

| Part Number | Hole Size | Area (Sq. In.) | Rod Size     | Carton Qty | Carton Weight |
|-------------|-----------|----------------|--------------|------------|---------------|
| J3516       | 16"       | 150            | 5/8" or 3/4" | 6          | 59 Lbs.       |
| J3520       | 20"       | 250            | 5/8" or 3/4" | 4          | 65 Lbs.       |
| J3520-1     | 20"       | 250            | 1"           | 4          | 66 Lbs.       |
| J3524-3/4   | 24"       | 400            | 5/8" or 3/4" | 1          | 32 Lbs.       |
| J3524       | 24"       | 400            | 1"           | 1          | 32 Lbs.       |
| J3524-1     | 24"       | 400            | 1 1/4"       | 1          | 32 Lbs.       |



## POLE KEY ANCHOR

- Expanding anchors are made for installation in holes augered by power drillers
- One piece formed anchor with wings and a base.
- Retainer on the bottom holds the nut from the forged eye rod
- U.S. made versions available

| Part Number | Width Expanded | Blade Width | Area Expanded (Sq In) | Carton Qty | Carton Weight |
|-------------|----------------|-------------|-----------------------|------------|---------------|
| J4817       | 27 1/4"        | 7"          | 276                   | 1          | 24 Lbs.       |



## RODS

### GALVANIZED FORGED EYE ROD

- Rods feature an integral forged eye available for one, two, or three guys and in various diameters and lengths for use with expanding, cross plate and other similar anchors
- The rods are threaded 3 1/2" and are assembled with a heavy square nut

#### Single Guy Eye

| Part Number | Ultimate Strength Rating | Rod Diameter | Length | Carton Qty | Carton Weight |
|-------------|--------------------------|--------------|--------|------------|---------------|
| J7415       | 16,000 Lbs.              | 5/8"         | 5'     | 10         | 61 Lbs.       |
| J7416       | 16,000 Lbs.              | 5/8"         | 6'     | 10         | 69 Lbs.       |
| J7417       | 16,000 Lbs.              | 5/8"         | 7'     | 10         | 77 Lbs.       |
| J7418       | 16,000 Lbs.              | 5/8"         | 8'     | 10         | 81 Lbs.       |
| J7428       | 23,000 Lbs.              | 3/4"         | 8'     | 5          | 60 Lbs.       |



## Double Guy Eye

| Part Number | Ultimate Strength Rating | Rod Diameter | Length | Carton Qty | Carton Weight |
|-------------|--------------------------|--------------|--------|------------|---------------|
| J7516       | 16,000 Lbs.              | 5/8"         | 6'     | 10         | 71 Lbs.       |
| J7517       | 16,000 Lbs.              | 5/8"         | 7'     | 10         | 81 Lbs.       |
| J7518       | 16,000 Lbs.              | 5/8"         | 8'     | 10         | 81 Lbs.       |
| J7527       | 23,000 Lbs.              | 3/4"         | 7'     | 5          | 51 Lbs.       |
| J7528       | 23,000 Lbs.              | 3/4"         | 8'     | 5          | 61 Lbs.       |
| J7529       | 23,000 Lbs.              | 3/4"         | 9'     | 5          | 71 Lbs.       |
| J7530       | 23,000 Lbs.              | 3/4"         | 10'    | 5          | 81 Lbs.       |
| J7538       | 36,000 Lbs.              | 1"           | 8'     | 2          | 38 Lbs.       |
| J7540       | 36,000 Lbs.              | 1"           | 10'    | 2          | 57 Lbs.       |



## Triple Guy Eye

| Part Number | Ultimate Strength Rating | Rod Diameter | Length | Carton Qty | Carton Weight |
|-------------|--------------------------|--------------|--------|------------|---------------|
| J7327       | 23,000 Lbs.              | 3/4"         | 7'     | 5          | 61 Lbs.       |
| J7328       | 23,000 Lbs.              | 3/4"         | 8'     | 5          | 66 Lbs.       |
| J7329       | 23,000 Lbs.              | 3/4"         | 9'     | 5          | 71 Lbs.       |
| J7338       | 36,000 Lbs.              | 1"           | 8'     | 2          | 39 Lbs.       |
| J7340       | 36,000 Lbs.              | 1"           | 10'    | 2          | 47 Lbs.       |
| J7350       | 58,000 Lbs.              | 1 1/4"       | 10'    | 25         | 1,081 Lbs.    |

## ROCK ANCHORS

- Installed into rock and expands to develop the full strength of the anchor rod
- Hole is core drilled into rock
- Triple guy eye
- U.S. made versions available



### 3/4" Diameter - 23,000 Lbs. Ultimate Strength Rating

| Part Number | Rod Length | Anchor Size Closed | Anchor Size Expanded | Hole Size | Carton Qty | Carton Weight |
|-------------|------------|--------------------|----------------------|-----------|------------|---------------|
| J3436       | 15"        | 1 3/4"             | 2 3/8"               | 1 7/8"    | 5          | 26 Lbs.       |
| J3437       | 30"        | 1 3/4"             | 2 3/8"               | 1 7/8"    | 5          | 36 Lbs.       |
| J3438       | 53"        | 1 3/4"             | 2 3/8"               | 1 7/8"    | 5          | 51 Lbs.       |
| JR360       | 60"        | 1 3/4"             | 2 3/8"               | 1 7/8"    | 5          | 56 Lbs.       |
| JR372       | 72"        | 1 3/4"             | 2 3/8"               | 1 7/8"    | 5          | 61 Lbs.       |
| JR384       | 84"        | 1 3/4"             | 2 3/8"               | 1 7/8"    | 5          | 66 Lbs.       |
| JR396       | 96"        | 1 3/4"             | 2 3/8"               | 1 7/8"    | 5          | 77 Lbs.       |

### 1" Diameter - 36,000 Lbs. Ultimate Strength Rating

| Part Number | Rod Length | Anchor Size Closed | Anchor Size Expanded | Hole Size | Carton Qty | Carton Weight |
|-------------|------------|--------------------|----------------------|-----------|------------|---------------|
| JR130L      | 30"        | 2 1/4"             | 3 1/8"               | 2 3/8"    | 3          | 37 Lbs.       |
| JR153L      | 53"        | 2 1/4"             | 3 1/8"               | 2 3/8"    | 3          | 52 Lbs.       |
| JR172L      | 70"        | 2 1/4"             | 3 1/8"               | 2 3/8"    | 3          | 55 Lbs.       |
| JR196L      | 96"        | 2 1/4"             | 3 1/8"               | 2 3/8"    | 3          | 76 Lbs.       |

## NO WRENCH ANCHORS

- Integral forged eye anchor with a helix welded to the shaft
- For manual or machine installation
- Triple guy eye
- U.S. made versions available

| Part Number | Helix Size | Rod Diameter | Rod Length | Carton Qty | Carton Weight |
|-------------|------------|--------------|------------|------------|---------------|
| J6524WCA    | 4"         | 3/4"         | 54"        | 100        | 801 Lbs.      |
| J6526WCA    | 6"         | 3/4"         | 66"        | 100        | 1,201 Lbs.    |
| J6528WCA    | 8"         | 1"           | 66"        | 50         | 921 Lbs.      |
| J6530WCA    | 10"        | 1 1/4"       | 66"        | 10         | 289 Lbs.      |
| J6550WCA    | 10"        | 1 1/4"       | 96"        | 20         | 785 Lbs.      |
| J6584WCA    | 14"        | 1 1/4"       | 96"        | 16         | 915 Lbs.      |
| J6585WCA    | 15"        | 1 1/4"       | 96"        | 16         | 929 Lbs.      |



## NO WRENCH ANCHOR EXTENSION

- Integral forged eye with a forged clevis when greater installing depths are required
- Triple guy eye
- U.S. made versions available

| Part Number | Rod Diameter | Rod Length | Carton Qty | Carton Weight |
|-------------|--------------|------------|------------|---------------|
| J6566       | 1 1/4"       | 6'         | 2          | 59 Lbs.       |



## CLAMPS & ACCESSORIES

### AUXILIARY ANCHOR ROD EYE CLAMP

- Auxiliary eye clamp provides an efficient method of adding an eye to an existing anchor rod for attaching an additional guy.

| Part Number | Thimble Diameter | Rod Diameter | Maximum Strand Size | Carton Qty | Carton Weight |
|-------------|------------------|--------------|---------------------|------------|---------------|
| AE155       | 1 1/2"           | 5/8" - 3/4"  | 1/2"                | 25         | 66 Lbs.       |
| AE155A      | 1 1/2"           | 7/8" - 1"    | 1/2"                | 20         | 60 Lbs.       |
| AE155B      | 1 1/8"           | 1 1/4"       | 9/16"               | 20         | 60 Lbs.       |



### GUY BONDING CLAMP FOR FORGED EYE ROD

- Designed for use with MSI rods with integral forged eye to maintain firm contact between the guy strand and the rod eye when the down guy also serves as a ground
- U.S. made versions available

| Part Number | Rod Type       | Rod Diameter | Strand Size  | Carton Qty | Carton Weight |
|-------------|----------------|--------------|--------------|------------|---------------|
| J3230       | Single Guy Eye | 5/8"         | 3/16" - 3/8" | 250        | 41 Lbs.       |
|             |                | 3/4"         | 3/8" - 1/2"  |            |               |
|             |                | 1"           | 3/8" - 1/2"  |            |               |
| J3231       | Double Guy Eye | 5/8"         | 1/4" - 1/2"  | 250        | 34 Lbs.       |
|             |                | 3/4"         | 1/4" - 1/2"  |            |               |
|             |                | 1"           | 3/8" - 1/2"  |            |               |
| J3233       | Triple Guy Eye | 3/4"         | 1/4" - 1/2"  | 100        | 24 Lbs.       |
|             |                | 1"           | 1/4" - 1/2"  |            |               |
|             |                | 1 1/4"       | 1/4" - 1/2"  |            |               |



### GUY BONDING CLAMP FOR POWER HUB ANCHOR EYENUT

- Designed for use with MSI Power Hub anchor eyenuts to maintain firm contact between the guy strand and the eyenut when the down guy also serves as a ground
- U.S. made versions available

| Part Number | Rod Type       | Rod Diameter    | Carton Qty | Carton Weight |
|-------------|----------------|-----------------|------------|---------------|
| J26714      | Single Guy Eye | 1/2" & 5/8"     | 100        | 21 Lbs.       |
| J26715      | Single Guy Eye | 3/4" & 1"       | 50         | 18 Lbs.       |
| J26716      | Double Guy Eye | 5/8", 3/4" & 1" | 50         | 20 Lbs.       |



## CABINETPILE™

### CABINETPILE™ HELICAL PILE FOUNDATION SYSTEM

- Designed for elevated or ground mount applications supporting communications cabinets and equipment
- Exceeds Telcordia GR487 issue 3 requirements for:
  - Compression loading
  - 150 mph hurricane force wind loading
  - Environmentally induced and seismic vibration testing
- Replaces traditional pole mounted brackets and concrete pad mount installations
- CabinetPile™ has:
  - Lower overall installation cost
  - Quicker installation cycle time
  - Single visit installation
  - Meets industry bonding and grounding requirements
- Foundation system consists of:
  - Traditional helical pile with modified top plate to support communications cabinets
  - Custom adapter plate
  - Complete hardware kit
- Consult factory for custom design applications
- U.S. made versions available

| Part Number     | Pipe Diameter | Pipe Length | Height Above Grade | Carton Qty | Carton Weight |
|-----------------|---------------|-------------|--------------------|------------|---------------|
| F06108-ALP248RM | 6"            | 9'          | 30"                | 1          | 240 Lbs.      |
| F10084-ALP248RM | 10"           | 7'          | 30"                | 1          | 249 Lbs.      |

### CABINETPILE™ INSTALLATION TOOL

| Part Number | Description                    | Bolt Circle | Bolt Size | Carton Qty | Carton Weight |
|-------------|--------------------------------|-------------|-----------|------------|---------------|
| KB200-914BC | For use with 2" hex kelly bar  | 9"/14"      | 1"        | 1          | 44 Lbs.       |
| KB250-914BC | For use with 2½" hex kelly bar | 9"/14"      | 1"        | 1          | 44 Lbs.       |
| KB263-914BC | For use with 2⅝" hex kelly bar | 9"/14"      | 1"        | 1          | 44 Lbs.       |



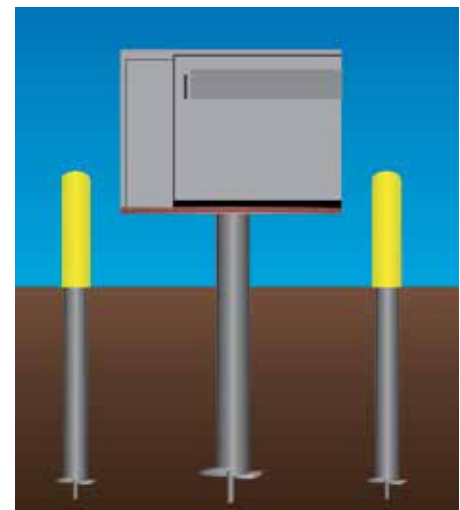
Helical Pile with modified top plate



Helical Pile with Custom Adapter Plate



Helical Pile with utility cabinet installed



CabinetPile™ System with optional bollard assembly (parking bumper).





**MacLean Senior Industries (MSI) Aerial & Poleline Hardware Products are engineered and manufactured for durability, reliability and ease of installation.**

MacLean Senior Industries' rigid quality assurance program assures all materials, manufacturing processes, and critical dimensions conform to ASTM, ANSI and other applicable standards, as well as the proprietary MSI specifications. With global and domestic manufacturing capabilities, we can ensure your quality product needs will be met when you need them.

Our Poleline Hardware conforms to the latest revisions of ASTM and Bellcore specifications. Mechanical plating is per ASTM B695. Hot-dip galvanizing is per ASTM A153.

For technical support, installation information and special requirements please contact our Inside Sales Team at: 1-800-350-1650, or via e-mail at: sales@macleansenior.com

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## BOLTS

### 'A' CABLE SUSPENSION BOLT

- Constructed of high quality steel, hot-dip galvanized
- Cone points permit easy driving without damage to threads
- Bolts are supplied with two square nuts assembled
- Additional sizes available upon request
- U.S. made versions available

Bellcore Specification: 6645

#### 5/8" 'A' Cable Suspension Bolt - Minimum Tensile Strength 13,550 Lbs.

| Part Number | Alternate | Size       | Carton Qty | Carton Size                | Carton Weight |
|-------------|-----------|------------|------------|----------------------------|---------------|
| JCA6645.A01 | SI-1416-1 | 5/8" x 8"  | 50         | 13" x 8" x 7 1/2"          | 44 Lbs.       |
| JCA6645.A02 | SI-1420-1 | 5/8" x 10" | 50         | 11 1/2" x 10 1/4" x 5 1/4" | 53 Lbs.       |
| JCA6645.A03 | SI-1422-1 | 5/8" x 12" | 40         | 13" x 8 1/4" x 6"          | 50 Lbs.       |
| JCA6645.A04 | SI-1424-1 | 5/8" x 14" | 40         | 15" x 9" x 6"              | 54 Lbs.       |
| JCA6645.A05 | SI-1426-1 | 5/8" x 16" | 30         | 17" x 8" x 5"              | 47 Lbs.       |
| JCA6645.A06 | SI-1428-1 | 5/8" x 18" | 25         | 19 1/4" x 9" x 4 1/2"      | 43 Lbs.       |
| JCA6645.A07 | SI-1430-1 | 5/8" x 20" | 25         | 21" x 6 1/4" x 4 5/8"      | 46 Lbs.       |
| JCA6645.A08 | SI-1432-1 | 5/8" x 22" | 25         | 23" x 6" x 5"              | 49 Lbs.       |
| JCA6645.A09 | SI-1434-1 | 5/8" x 24" | 25         | 26 1/2" x 8" x 7 1/4"      | 51 Lbs.       |

#### 3/4" 'A' Cable Suspension Bolt - Minimum Tensile Strength 20,050 Lbs.

| Part Number | Alternate | Size       | Carton Qty | Carton Size               | Carton Weight |
|-------------|-----------|------------|------------|---------------------------|---------------|
| JCA6645.A10 | SI-1510-1 | 3/4" x 10" | 25         | 14 1/2" x 8" x 5 1/2"     | 38 Lbs.       |
| JCA6645.A11 | SI-1512-1 | 3/4" x 12" | 25         | 13 1/2" x 8 1/2" x 6"     | 46 Lbs.       |
| JCA6645.A12 | SI-1514-1 | 3/4" x 14" | 25         | 15" x 8" x 6"             | 52 Lbs.       |
| JCA6645.A13 | SI-1516-1 | 3/4" x 16" | 20         | 17 1/4" x 8 1/2" x 4 1/2" | 45 Lbs.       |
| JCA6645.A14 | SI-1518-1 | 3/4" x 18" | 20         | 19 1/2" x 10" x 4 1/2"    | 51 Lbs.       |

### BRACE BOLT

- Brace bolts are used in place of carriage bolts or machine bolts to fasten braces to crossarms
- Integral washer hex head construction provides a static-proof design
- Constructed of high quality steel, hot-dip galvanized
- Minimum tensile strength 4,250 Lbs.
- U.S. made version available

| Part Number | Size          | Thread Length | Carton Qty | Carton Weight |
|-------------|---------------|---------------|------------|---------------|
| J8624-1/2   | 3/8" x 4 1/2" | 2"            | 250        | 51 Lbs.       |



## CARRIAGE BOLT

- Constructed of high quality steel, hot-dip galvanized
- Square shoulder prevents turning of the bolt when tightening
- Supplied with one square nut assembled
- $\frac{3}{8}$ " bolt minimum tensile strength 4,250 Lbs.,  $\frac{1}{2}$ " bolt minimum tensile strength 8,500 Lbs.
- Additional sizes available upon request
- U.S. made versions available



Bellcore Specification: 7096

| Part Number | Size                                | Carton Qty | Carton Size  | Carton Weight |
|-------------|-------------------------------------|------------|--|---------------|
| J8634       | $\frac{3}{8}$ " x 4"                | 250        | 14 $\frac{1}{2}$ " x 8" x 5 $\frac{1}{2}$ "                | 40 Lbs.       |
| J8634-1/2   | $\frac{3}{8}$ " x 4 $\frac{1}{2}$ " | 250        | 14 $\frac{1}{2}$ " x 8 $\frac{1}{4}$ " x 5 $\frac{3}{4}$ " | 43 Lbs.       |
| J8635       | $\frac{3}{8}$ " x 5"                | 250        | 12 $\frac{3}{4}$ " x 8" x 8"                               | 45 Lbs.       |
| J8635-1/2   | $\frac{3}{8}$ " x 5 $\frac{1}{2}$ " | 250        | 8 $\frac{1}{2}$ " x 16" x 6 $\frac{1}{2}$ "                | 47 Lbs.       |
| J8636       | $\frac{3}{8}$ " x 6"                | 250        | 10" x 11 $\frac{1}{2}$ " x 6 $\frac{1}{4}$ "               | 51 Lbs.       |
| J8637       | $\frac{3}{8}$ " x 7"                | 150        | 8" x 9 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ "                 | 36 Lbs.       |
| J8638       | $\frac{3}{8}$ " x 8"                | 150        | 20" x 8" x 5 $\frac{1}{4}$ "                               | 42 Lbs.       |
| J8640       | $\frac{3}{8}$ " x 10"               | 100        | 8" x 12" x 5 $\frac{1}{2}$ "                               | 30 Lbs.       |
| J8644-1/2   | $\frac{1}{2}$ " x 4 $\frac{1}{2}$ " | 100        | 12 $\frac{1}{2}$ " x 8" x 5"                               | 36 Lbs.       |
| J8645       | $\frac{1}{2}$ " x 5"                | 100        | 12 $\frac{3}{4}$ " x 8" x 5 $\frac{1}{2}$ "                | 37 Lbs.       |
| J8646       | $\frac{1}{2}$ " x 6"                | 100        | 12 $\frac{1}{4}$ " x 7 $\frac{1}{2}$ " x 5"                | 40 Lbs.       |
| J8647       | $\frac{1}{2}$ " x 7"                | 100        | 14 $\frac{3}{4}$ " x 8 $\frac{3}{4}$ " x 6"                | 44 Lbs.       |
| J8648       | $\frac{1}{2}$ " x 8"                | 100        | 11 $\frac{1}{2}$ " x 10" x 7 $\frac{1}{4}$ "               | 48 Lbs.       |

| Part Number | Size                                 | Carton Qty | Carton Size    | Carton Weight |
|-------------|--------------------------------------|------------|----------------|---------------|
| SI-0050     | $\frac{3}{16}$ " x 1"                | 1000       | 16" x 12" x 8" | 42 Lbs.       |
| SI-0051     | $\frac{3}{16}$ " x 1 $\frac{1}{4}$ " | 1000       | 16" x 12" x 8" | 52 Lbs.       |
| SI-0052     | $\frac{1}{4}$ " x $\frac{1}{2}$ "    | 1000       | 16" x 12" x 8" | 62 Lbs.       |
| SI-0053     | $\frac{1}{4}$ " x 2"                 | 500        | 12" x 10" x 8" | 36 Lbs.       |
| SI-0054     | $\frac{1}{4}$ " x 2 $\frac{1}{4}$ "  | 500        | 12" x 10" x 8" | 41 Lbs.       |
| SI-0055     | $\frac{1}{4}$ " x 2 $\frac{1}{2}$ "  | 500        | 12" x 10" x 8" | 46 Lbs.       |
| SI-0555     | $\frac{3}{8}$ " x 2 $\frac{1}{2}$ "  | 100        | 9" x 9" x 3"   | 50 Lbs.       |
| SI-0556     | $\frac{3}{8}$ " x 3"                 | 100        | 10" x 9" x 3"  | 60 Lbs.       |
| SI-0557     | $\frac{3}{8}$ " x 4"                 | 100        | 9" x 9" x 6"   | 16 Lbs.       |
| SI-0558     | $\frac{3}{8}$ " x 4 $\frac{1}{2}$ "  | 100        | 9" x 9" x 6"   | 17 Lbs.       |
| SI-0560     | $\frac{3}{8}$ " x 5"                 | 100        | 9" x 9" x 6"   | 18 Lbs.       |
| SI-0565     | $\frac{3}{8}$ " x 5 $\frac{1}{2}$ "  | 250        | 12" x 9" x 3"  | 50 Lbs.       |
| SI-0566     | $\frac{3}{8}$ " x 6"                 | 100        | 9" x 9" x 6"   | 20 Lbs.       |
| SI-0567     | $\frac{3}{8}$ " x 7"                 | 100        | 15" x 9" x 3"  | 60 Lbs.       |
| SI-0568     | $\frac{3}{8}$ " x 8"                 | 100        | 17" x 9" x 3"  | 25 Lbs.       |
| SI-0570     | $\frac{3}{8}$ " x 10"                | 150        | 21" x 9" x 3"  | 48 Lbs.       |
| SI-0572     | $\frac{3}{8}$ " x 12"                | 150        | 13" x 9" x 3"  | 46 Lbs.       |
| SI-0574     | $\frac{3}{8}$ " x 14"                | 100        | 15" x 9" x 3"  | 49 Lbs.       |
| SI-0623     | $\frac{1}{2}$ " x 4 $\frac{1}{2}$ "  | 200        | 10" x 9" x 4"  | 64 Lbs.       |
| SI-0057     | $\frac{1}{2}$ " x 4 $\frac{3}{4}$ "  | 150        | 11" x 9" x 4"  | 50 Lbs.       |
| SI-0624     | $\frac{1}{2}$ " x 5"                 | 150        | 11" x 9" x 4"  | 53 Lbs.       |
| SI-0625     | $\frac{1}{2}$ " x 5 $\frac{1}{2}$ "  | 150        | 12" x 9" x 4"  | 57 Lbs.       |
| SI-0626     | $\frac{1}{2}$ " x 6"                 | 100        | 13" x 9" x 4"  | 40 Lbs.       |
| SI-0627     | $\frac{1}{2}$ " x 7"                 | 100        | 15" x 9" x 4"  | 45 Lbs.       |
| SI-0628     | $\frac{1}{2}$ " x 8"                 | 100        | 17" x 9" x 4"  | 50 Lbs.       |
| SI-0636     | $\frac{5}{8}$ " x 6"                 | 100        | 10" x 10" x 6" | 63 Lbs.       |

## CLEVIS BOLT

- Used to provide deadend connections to eyes or links
- Clevis end includes 1/2" diameter machine bolt with nut and a stainless steel self locking cotter pin to provide a secure vibration proof assembly
- Constructed of high quality steel, hot-dip galvanized
- Minimum tensile strength 13,500 Lbs.
- U.S. made versions available



| Part Number | Size       | Thread Length | Carton Qty | Carton Weight |
|-------------|------------|---------------|------------|---------------|
| J7810       | 5/8" x 10" | 4"            | 25         | 44 Lbs.       |
| J7812       | 5/8" x 12" | 4"            | 25         | 49 Lbs.       |
| J7814       | 5/8" x 14" | 4"            | 25         | 51 Lbs.       |

## DOUBLE ARMING BOLT

- Constructed of high quality steel, hot-dip galvanized
- Cone points permit easy driving without damage to threads
- Bolts are supplied with four square nuts assembled
- Additional sizes available upon request

Bellcore Specification: 6645

### 5/8" Double Arming Bolt - Minimum Tensile Strength 13,500 Lbs.

| Part Number | Alternate | Size       | Carton Qty | Carton Size               | Carton Weight |
|-------------|-----------|------------|------------|---------------------------|---------------|
| J8860       | SI-0910   | 5/8" x 10" | 25         | 11" x 5 1/2" x 5 1/2"     | 30 Lbs.       |
| J8862       | SI-0912   | 5/8" x 12" | 25         | 13" x 5 1/2" x 5 1/2"     | 35 Lbs.       |
| J8864       | SI-0914   | 5/8" x 14" | 25         | 15 1/4" x 5 3/4" x 6 1/4" | 38 Lbs.       |
| J8866       | SI-0916   | 5/8" x 16" | 25         | 17 1/4" x 5 3/4" x 6 1/4" | 43 Lbs.       |
| J8868       | SI-0918   | 5/8" x 18" | 25         | 19 1/4" x 5 3/4" x 6 1/4" | 45 Lbs.       |
| J8870       | SI-0920   | 5/8" x 20" | 25         | 21 1/2" x 6" x 6 5/8"     | 48 Lbs.       |
| J8872       | SI-0922   | 5/8" x 22" | 25         | 23 3/4" x 6" x 6 7/8"     | 52 Lbs.       |
| J8874       | SI-0924   | 5/8" x 24" | 25         | 25 3/4" x 6" x 6 7/8"     | 56 Lbs.       |
| J8876       | SI-0926   | 5/8" x 26" | 20         | 27" x 5 3/4" x 5"         | 47 Lbs.       |
| J8877       | SI-0928   | 5/8" x 28" | 20         | 29" x 5 1/2" x 5 1/2"     | 50 Lbs.       |
| J8878       | SI-0930   | 5/8" x 30" | 20         | 31" x 5 3/4" x 5"         | 55 Lbs.       |
| J8879       | SI-0932   | 5/8" x 32" | 20         | 35" x 8" x 7"             | 56 Lbs.       |
| J8881       | SI-0935   | 5/8" x 36" | 10         | 36 1/2" x 5" x 2"         | 32 Lbs.       |

Bellcore Specification: 6645

### 3/4" Double Arming Bolt - Minimum Tensile Strength 20,050 Lbs.

| Part Number | Alternate | Size       | Carton Qty | Carton Size               | Carton Weight |
|-------------|-----------|------------|------------|---------------------------|---------------|
| J8883       | -         | 3/4" x 10" | 25         | 12 3/4" x 7 3/4" x 7 1/4" | 45 Lbs.       |
| J8882       | SI-1012   | 3/4" x 12" | 25         | 15" x 6 1/2" x 6"         | 49 Lbs.       |
| J8884       | SI-1014   | 3/4" x 14" | 25         | 15 1/4" x 6 1/2" x 6"     | 54 Lbs.       |
| J8886       | SI-1016   | 3/4" x 16" | 25         | 18 1/4" x 8 1/4" x 5 1/2" | 60 Lbs.       |
| J8888       | SI-1018   | 3/4" x 18" | 20         | 19" x 6" x 6"             | 52 Lbs.       |
| J8890       | SI-1020   | 3/4" x 20" | 15         | 21" x 6" x 5"             | 43 Lbs.       |
| J8892       | SI-1022   | 3/4" x 22" | 15         | 23" x 6" x 5"             | 47 Lbs.       |
| J8894       | SI-1024   | 3/4" x 24" | 15         | 25" x 6 1/2" x 5"         | 50 Lbs.       |
| J8896       | SI-1026   | 3/4" x 26" | 15         | 27" x 6 1/2" x 4 1/2"     | 54 Lbs.       |
| J8897       | SI-1028   | 3/4" x 28" | 15         | 29" x 6" x 4 1/2"         | 58 Lbs.       |
| J8898       | SI-1030   | 3/4" x 30" | 10         | 31" x 5" x 2 3/8"         | 40 Lbs.       |
| J8899       | -         | 3/4" x 32" | 10         | 33" x 5 1/2" x 2 1/2"     | 39 Lbs.       |
| J9003       | -         | 3/4" x 34" | 10         | 34 1/2" x 5" x 2"         | 43 Lbs.       |
| J9004       | -         | 3/4" x 36" | 10         | 37" x 5 1/2" x 2 1/2"     | 52 Lbs.       |



Bellcore Specification: 6645

## 7/8" Double Arming Bolt - Minimum Tensile Strength 27,700 Lbs.

| Part Number | Size       | Carton Qty | Carton Size           | Carton Weight |
|-------------|------------|------------|-----------------------|---------------|
| J9112       | 7/8" x 12" | 15         | -                     | 43 Lbs.       |
| J9114       | 7/8" x 14" | 15         | -                     | 47 Lbs.       |
| J9116       | 7/8" x 16" | 15         | 17" x 8 1/4" x 4 1/4" | 52 Lbs.       |
| J9118       | 7/8" x 18" | 10         | 19" x 5 1/4" x 5 1/4" | 39 Lbs.       |
| J9120       | 7/8" x 20" | 10         | 21" x 5 1/4" x 5 1/4" | 42 Lbs.       |
| J9122       | 7/8" x 22" | 10         | 23" x 5 1/4" x 5 1/4" | 45 Lbs.       |
| J9124       | 7/8" x 24" | 10         | 25" x 5 1/4" x 5 1/4" | 47 Lbs.       |
| J9126       | 7/8" x 26" | 10         | 27" x 5 1/4" x 5 1/4" | 50 Lbs.       |
| J9128       | 7/8" x 28" | 10         | 29" x 5 1/4" x 5 1/4" | 53 Lbs.       |
| J9130       | 7/8" x 30" | 5          | 30" x 7" x 1 1/2"     | 28 Lbs.       |
| J9132       | 7/8" x 32" | 5          | 32" x 7" x 1 1/2"     | 30 Lbs.       |
| J9134       | 7/8" x 34" | 5          | -                     | 32 Lbs.       |
| J9136       | 7/8" x 36" | 5          | 36" x 7" x 1 1/2"     | 34 Lbs.       |
| J9138       | 7/8" x 38" | 5          | -                     | 35 Lbs.       |
| J9140       | 7/8" x 40" | 5          | -                     | 37 Lbs.       |
| J9142       | 7/8" x 42" | 5          | -                     | 38 Lbs.       |

## MACHINE BOLT

- Constructed of high quality steel, hot-dip galvanized
- Cone points permit easy driving without damage to threads
- Bolts are supplied with one square nut assembled
- Additional sizes available upon request

Bellcore Specification: 6207

## 3/8" Square Head Machine Bolt - Minimum Tensile Strength 4,250 Lbs.

| Part Number | Alternate | Size          | Carton Qty | Carton Size           | Carton Weight |
|-------------|-----------|---------------|------------|-----------------------|---------------|
| J8603       | SI-1206   | 3/8" x 3"     | 250        | 12" x 8" x 5 1/2"     | 34 Lbs.       |
| J8604       | SI-1208   | 3/8" x 4"     | 250        | 14 1/2" x 8" x 5 1/2" | 39 Lbs.       |
| J8604-1/2   | SI-1209   | 3/8" x 4 1/2" | 250        | 12 3/4" x 8" x 7 1/2" | 41 Lbs.       |
| J8605       | SI-1210   | 3/8" x 5"     | 250        | 12 3/4" x 8" x 8"     | 43 Lbs.       |
| J8606       | SI-1212   | 3/8" x 6"     | 250        | 16 1/4" x 9" x 7"     | 51 Lbs.       |
| J8608       | SI-1214   | 3/8" x 8"     | 100        | 12 1/2" x 8" x 5 1/2" | 27 Lbs.       |
| J8610       | SI-1216   | 3/8" x 10"    | 100        | 12 1/2" x 8" x 5 1/2" | 31 Lbs.       |

## 1/2" Square Head Machine Bolt - Minimum Tensile Strength 8,500 Lbs.

| Part Number | Alternate | Size          | Carton Qty | Carton Size               | Carton Weight |
|-------------|-----------|---------------|------------|---------------------------|---------------|
| J8701-1/2   | SI-0044   | 1/2" x 1 1/2" | 250        | 12 1/2" x 8" x 5 3/4"     | 45 Lbs.       |
| SI-0045     | -         | 1/2" x 1 3/4" | 250        | 11" x 10" x 4"            | 47 Lbs.       |
| J8702       | SI-1304   | 1/2" x 2"     | 250        | 14 1/2" x 8 1/2" x 6"     | 48 Lbs.       |
| J8702-1/2   | SI-1305   | 1/2" x 2 1/2" | 150        | 12 1/2" x 8" x 5 3/4"     | 34 Lbs.       |
| J8703       | SI-1306   | 1/2" x 3"     | 150        | 12 1/2" x 8" x 5 1/2"     | 39 Lbs.       |
| J8704       | SI-1308   | 1/2" x 4"     | 100        | 12" x 8" x 7 1/4"         | 31 Lbs.       |
| J8705       | SI-1315   | 1/2" x 5"     | 100        | 12 1/2" x 8" x 5 1/2"     | 36 Lbs.       |
| J8706       | SI-1316   | 1/2" x 6"     | 100        | 12 1/4" x 7 1/2" x 5"     | 40 Lbs.       |
| J8707       | SI-1317   | 1/2" x 7"     | 100        | 14 3/4" x 8 1/4" x 5 1/2" | 45 Lbs.       |
| J8708       | SI-1318   | 1/2" x 8"     | 100        | 16 1/4" x 9" x 7"         | 50 Lbs.       |
| J8709       | SI-1319   | 1/2" x 9"     | 50         | 12 1/2" x 8" x 9 1/4"     | 29 Lbs.       |
| J8710       | SI-1320   | 1/2" x 10"    | 50         | 12 1/2" x 8" x 5 1/2"     | 31 Lbs.       |
| J8712       | SI-1322   | 1/2" x 12"    | 50         | 14 1/2" x 8" x 5 1/2"     | 35 Lbs.       |
| J8714       | SI-1324   | 1/2" x 14"    | 50         | 16 1/4" x 7" x 7"         | 39 Lbs.       |
| J8716       | SI-1326   | 1/2" x 16"    | 50         | 18 1/2" x 7 1/2" x 7"     | 46 Lbs.       |



## 5/8" Square Head Machine Bolt - Minimum Tensile Strength 13,550 Lbs.

| Part Number | Alternate | Size          | Carton Qty | Carton Size               | Carton Weight |
|-------------|-----------|---------------|------------|---------------------------|---------------|
| J8801-1/2   | -         | 5/8" x 1 1/2" | 150        | 12 1/2" x 8" x 5 1/2"     | 46 Lbs.       |
| J8802       | -         | 5/8" x 2"     | 100        | 12 1/2" x 8" x 5 1/2"     | 37 Lbs.       |
| J8802-1/2   | -         | 5/8" x 2 1/2" | 100        | 12 1/2" x 8" x 5 1/2"     | 39 Lbs.       |
| J8803       | -         | 5/8" x 3"     | 100        | 12 1/2" x 8" x 5 1/2"     | 42 Lbs.       |
| J8804       | -         | 5/8" x 4"     | 100        | 12 3/4" x 8" x 7 1/2"     | 53 Lbs.       |
| J8805       | SI-1410   | 5/8" x 5"     | 50         | 12 1/2" x 8" x 5 1/2"     | 31 Lbs.       |
| J8806       | SI-1412   | 5/8" x 6"     | 50         | 12" x 8" x 5 1/4"         | 34 Lbs.       |
| J8807       | SI-1414   | 5/8" x 7"     | 50         | 14 1/2" x 8" x 5 3/4"     | 38 Lbs.       |
| J8808       | SI-1416   | 5/8" x 8"     | 50         | 12 1/4" x 8 1/2" x 7"     | 42 Lbs.       |
| J8809       | SI-1418   | 5/8" x 9"     | 50         | 12 1/2" x 8" x 7 1/2"     | 46 Lbs.       |
| J8810       | SI-1420   | 5/8" x 10"    | 50         | 12 3/4" x 8 1/4" x 7 1/2" | 49 Lbs.       |
| J8812       | SI-1422   | 5/8" x 12"    | 50         | 14 1/2" x 8" x 7 1/2"     | 55 Lbs.       |
| J8814       | SI-1424   | 5/8" x 14"    | 25         | 16" x 5 1/2" x 5 1/2"     | 32 Lbs.       |
| J8816       | SI-1426   | 5/8" x 16"    | 25         | 17 3/4" x 6 3/4" x 5 1/2" | 37 Lbs.       |
| J8818       | SI-1428   | 5/8" x 18"    | 25         | 20 1/4" x 7 1/4" x 5 1/4" | 40 Lbs.       |
| J8820       | SI-1430   | 5/8" x 20"    | 25         | 22 1/2" x 8" x 5 1/2"     | 44 Lbs.       |
| J8822       | SI-1432   | 5/8" x 22"    | 25         | 23 3/4" x 6" x 6 7/8"     | 48 Lbs.       |
| J8824       | SI-1434   | 5/8" x 24"    | 25         | 26" x 9" x 4 1/2"         | 53 Lbs.       |
| J8826       | SI-1436   | 5/8" x 26"    | 25         | 31" x 7 1/2" x 5 1/2"     | 56 Lbs.       |
| J8828       | SI-1438   | 5/8" x 28"    | 25         | 30 3/4" x 8 1/2" x 5 1/4" | 61 Lbs.       |
| J8830       | -         | 5/8" x 30"    | 25         | 33 1/2" x 7" x 5 1/4"     | 69 Lbs.       |

## 3/4" Square Head Machine Bolt - Minimum Tensile Strength 20,050 Lbs.

| Part Number | Alternate | Size       | Carton Qty | Carton Size               | Carton Weight |
|-------------|-----------|------------|------------|---------------------------|---------------|
| J8902       | -         | 3/4" x 2"  | 100        | 14 1/2" x 8" x 5 1/2"     | 53 Lbs.       |
| J8903       | -         | 3/4" x 3"  | 50         | 12 1/2" x 8" x 6 1/4"     | 33 Lbs.       |
| J8906       | -         | 3/4" x 6"  | 50         | 15" x 9" x 7"             | 51 Lbs.       |
| J8908       | SI-1508   | 3/4" x 8"  | 25         | 14 1/2" x 8" x 7 1/2"     | 31 Lbs.       |
| J8910       | SI-1510   | 3/4" x 10" | 25         | 12 1/2" x 8" x 5 1/2"     | 38 Lbs.       |
| J8912       | SI-1512   | 3/4" x 12" | 25         | 14 3/4" x 8 1/4" x 5 1/2" | 43 Lbs.       |
| J8914       | SI-1514   | 3/4" x 14" | 25         | 16 1/4" x 7 3/4" x 7"     | 48 Lbs.       |
| J8916       | SI-1516   | 3/4" x 16" | 25         | 18 3/4" x 8 1/4" x 6 1/4" | 51 Lbs.       |
| J8918       | SI-1518   | 3/4" x 18" | 25         | 20 1/4" x 7 1/4" x 5 1/4" | 56 Lbs.       |
| J8920       | SI-1520   | 3/4" x 20" | 25         | 22 1/2" x 8" x 5 1/2"     | 63 Lbs.       |
| J8922       | SI-1522   | 3/4" x 22" | 20         | 24" x 8 1/2" x 5"         | 56 Lbs.       |
| J8924       | SI-1524   | 3/4" x 24" | 15         | 26" x 7 1/2" x 4 1/2"     | 46 Lbs.       |
| J8926       | SI-1526   | 3/4" x 26" | 20         | 31" x 8" x 5 1/2"         | 65 Lbs.       |
| J8928       | -         | 3/4" x 28" | 20         | 30 1/2" x 8 1/2" x 5"     | 68 Lbs.       |

## 7/8" Square Head Machine Bolt - Minimum Tensile Strength 27,700 Lbs.

| Part Number | Size       | Carton Qty | Carton Size               | Carton Weight |
|-------------|------------|------------|---------------------------|---------------|
| J9062       | 7/8" x 12" | 25         | 16 1/2" x 8" x 5 1/4"     | 60 Lbs.       |
| J9064       | 7/8" x 14" | 20         | 19" x 6 1/2" x 6 3/4"     | 54 Lbs.       |
| J9066       | 7/8" x 16" | 10         | 20" x 8" x 4 1/2"         | 31 Lbs.       |
| J9068       | 7/8" x 18" | 10         | 20 1/4" x 7 1/4" x 7 1/4" | 34 Lbs.       |
| J9070       | 7/8" x 20" | 10         | 22 1/2" x 8" x 5"         | 36 Lbs.       |
| J9072       | 7/8" x 22" | 10         | 25 1/2" x 7 1/2" x 4 1/2" | 38 Lbs.       |
| J9074       | 7/8" x 24" | 10         | 26" x 7 3/4" x 4 1/2"     | 41 Lbs.       |
| J9076       | 7/8" x 26" | 10         | 27 1/2" x 6" x 4 1/4"     | 45 Lbs.       |



## OVAL EYEBOLT

- Commonly used as an attachment point to secure thimbles, clevises, links and deadend insulators
- Forged, one-piece design
- Supplied assembled with square nut
- Eye I.D. - 1 1/2" width x 2" length
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

### 5/8" Oval Eyebolt - Minimum Tensile Strength 13,550 Lbs.

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J9406       | 6"          | 4"            | 50         | 57 Lbs.       |
| J9408       | 8"          | 4"            | 25         | 32 Lbs.       |
| J9409       | 9"          | 4"            | 25         | 35 Lbs.       |
| J9410       | 10"         | 6"            | 25         | 35 Lbs.       |
| J9412       | 12"         | 6"            | 25         | 39 Lbs.       |
| J9414       | 14"         | 6"            | 25         | 43 Lbs.       |
| J9416       | 16"         | 6"            | 25         | 48 Lbs.       |
| J9418       | 18"         | 6"            | 25         | 50 Lbs.       |
| J9420       | 20"         | 6"            | 25         | 53 Lbs.       |

### 3/4" Oval Eyebolt - Minimum Tensile Strength 20,050 Lbs.

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J9508       | 8"          | 4"            | 25         | 43 Lbs.       |
| J9510       | 10"         | 6"            | 25         | 50 Lbs.       |
| J9512       | 12"         | 6"            | 25         | 56 Lbs.       |
| J9514       | 14"         | 6"            | 20         | 47 Lbs.       |
| J9516       | 16"         | 6"            | 20         | 52 Lbs.       |
| J9518       | 18"         | 6"            | 20         | 57 Lbs.       |



## DOUBLE ARMING OVAL EYEBOLT

- Commonly used as a combination double arming bolt as well as an eyebolt
- Forged, one-piece design
- Eye I.D. - 1 1/2" width x 2" length
- Fully threaded entire bolt length except 2" under the eye
- Supplied assembled with 3 square nuts
- Constructed of high quality steel, hot-dip galvanized

### 5/8" Double Arming Eyebolt - Minimum Tensile Strength 13,550 Lbs.

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J9614       | 14"         | 12"           | 25         | 47 Lbs.       |
| J9616       | 16"         | 14"           | 25         | 57 Lbs.       |
| J9618       | 18"         | 16"           | 25         | 60 Lbs.       |
| J9620       | 20"         | 18"           | 15         | 38 Lbs.       |
| J9622       | 22"         | 20"           | 15         | 41 Lbs.       |
| J9624       | 24"         | 22"           | 15         | 44 Lbs.       |
| J9626       | 26"         | 24"           | 15         | 47 Lbs.       |

### 3/4" Double Arming Eyebolt - Minimum Tensile Strength 20,050 Lbs.

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J9636       | 16"         | 14"           | 15         | 46 Lbs.       |
| J9638       | 18"         | 16"           | 15         | 49 Lbs.       |
| J9640       | 20"         | 18"           | 15         | 52 Lbs.       |
| J9642       | 22"         | 20"           | 10         | 35 Lbs.       |
| J9644       | 24"         | 22"           | 10         | 38 Lbs.       |
| J9646       | 26"         | 24"           | 10         | 41 Lbs.       |



## SCREW OVAL EYE

- Forged, one-piece design
- Eye I.D - 1 1/8" width x 1 5/8" length
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Bolt Size | Carton Qty | Carton Weight |
|-------------|-----------|------------|---------------|
| J8930       | 1/2" x 6" | 100        | 65 Lbs.       |



## SHOULDER EYEBOLT

- Used to attach suspension and deadend insulators, clevises, links and other hardware to poles and crossarms
- Integral collar provides a broad bearing surface to resist elongation of the bolt hole in wood poles and crossarms
- 3/4" diameter, forged, one-piece design
- Supplied assembled with square nut
- Ultimate Tensile Strength: 20,050 Lbs.
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J9528       | 8"          | 4"            | 20         | 39 Lbs.       |
| J9530       | 10"         | 6"            | 20         | 44 Lbs.       |
| J9532       | 12"         | 6"            | 20         | 48 Lbs.       |
| J9534       | 14"         | 6"            | 20         | 52 Lbs.       |
| J9536       | 16"         | 6"            | 20         | 56 Lbs.       |
| J9538       | 18"         | 6"            | 10         | 32 Lbs.       |
| J9540       | 20"         | 6"            | 15         | 50 Lbs.       |



## SPOOL BOLT

- Used for side-of-pole installation when supporting neutral conductors and secondary service wires
- Forged with either a single or double integral washer upset at insulator end
- Double upset provide 1 5/8" clearance between insulator and pole
- Spool bolts have 5/8" rolled threads
- Supplied with all associated hardware as shown
- J0101, J101 or J151 insulator must be ordered separately
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

### Single Upset Spool Bolt - Minimum Tensile Strength 13,550 Lbs.

| Part Number | Shank Length | Overall Length | Thread Length | Carton Qty | Carton Weight |
|-------------|--------------|----------------|---------------|------------|---------------|
| J2343-1/2   | 9"           | 13 1/2"        | 4"            | 25         | 37 Lbs.       |
| J2344-1/2   | 10"          | 14 1/2"        | 4"            | 25         | 38 Lbs.       |
| J2346-1/2   | 12"          | 16 1/2"        | 6"            | 25         | 40 Lbs.       |
| J2348-1/2   | 14"          | 18 1/2"        | 6"            | 20         | 36 Lbs.       |



## Double Upset Spool Bolt - Minimum Tensile Strength 13,550 Lbs.

| Part Number | Shank Length | Overall Length | Thread Length | Carton Qty | Carton Weight |
|-------------|--------------|----------------|---------------|------------|---------------|
| J2395       | 9"           | 15"            | 4"            | 25         | 40 Lbs.       |
| J2396       | 10"          | 16"            | 4"            | 25         | 41 Lbs.       |
| J2398       | 12"          | 18"            | 6"            | 25         | 44 Lbs.       |



## THIMBLEYE® BOLT

- Thimbleye® bolts eliminate the need for thimbles, shackles, links and guy hooks
- The broad radius of the eye provides an excellent attachment point to deadend or guy messenger wire, guy strand or formed wire grips
- Forged in two styles: Straight and at 45° angle
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

Bellcore Specification: 7081

### Straight Style 5/8" Thimbleye® Bolts - Min. Tensile Strength 13,550 Lbs.

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J8051       | 10"         | 4"            | 25         | 35 Lbs.       |
| J8052       | 12"         | 6"            | 25         | 38 Lbs.       |
| J8053       | 14"         | 6"            | 25         | 41 Lbs.       |
| J8054       | 16"         | 6"            | 25         | 43 Lbs.       |
| J8055       | 18"         | 6"            | 25         | 48 Lbs.       |

### Straight Style 3/4" Thimbleye® Bolts - Min. Tensile Strength 20,050 Lbs.

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J8062       | 12"         | 6"            | 25         | 53 Lbs.       |
| J8063       | 14"         | 6"            | 25         | 58 Lbs.       |

### 45° Angle Style 5/8" Thimbleye® Bolts - Min. Tensile Strength 13,550 Lbs.

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J8151       | 10"         | 4"            | 25         | 37 Lbs.       |
| J8152       | 12"         | 6"            | 25         | 38 Lbs.       |
| J8153       | 14"         | 6"            | 25         | 44 Lbs.       |
| J8154       | 16"         | 6"            | 25         | 46 Lbs.       |

### 45° Angle Style 3/4" Thimbleye® Bolts - Min. Tensile Strength 20,050 Lbs.

| Part Number | Bolt Length | Thread Length | Carton Qty | Carton Weight |
|-------------|-------------|---------------|------------|---------------|
| J8161       | 10"         | 4"            | 25         | 50 Lbs.       |
| J8162       | 12"         | 6"            | 25         | 55 Lbs.       |
| J8163       | 14"         | 6"            | 25         | 59 Lbs.       |





## BRACES

### ALLEY ARM BRACE

- Alley arms, crossarms mounted to one side of the pole, require rigid bracing to insure proper alignment of power distribution and transmission lines
- Mount at 45° angle
- Include welded lineman step
- Mount to alley arm using a machine bolt and attach to pole using (2) 1/2" lag screws through 9/16" holes
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

| Part Number | Mtg Hole | Angle Size              | Overall Length | Carton Qty | Carton Weight |
|-------------|----------|-------------------------|----------------|------------|---------------|
| J1522       | 9/16"    | 1 3/4" x 1 3/4" x 3/16" | 5'             | 1          | 13 Lbs        |
| J1525       | 1 1/16"  | 1 3/4" x 1 3/4" x 3/16" | 7'             | 5          | 86 Lbs.       |
| J1526       | 1 1/16"  | 2" x 2" x 1/4"          | 10'            | 5          | 181 Lbs.      |



### CROSSARM BRACE

- Flat crossarm braces, used in pairs, are an inexpensive means of aligning and supporting crossarms
- Mounting hole diameters are 7/16" for 3/8" crossarm mounting bolts and 9/16" for pole mounting with 1/2" lag screw or through bolt
- Hole centers are 1" from brace ends - which are rounded for safety
- Constructed of 1 1/4" x 1/4" high quality steel, hot-dip galvanized
- U.S. made versions available

| Part Number | Overall Length | Carton Qty | Carton Weight |
|-------------|----------------|------------|---------------|
| J7126       | 26"            | 10         | 24 Lbs.       |
| J7128       | 28"            | 10         | 26 Lbs.       |
| J7130       | 30"            | 10         | 28 Lbs.       |
| J7132       | 32"            | 10         | 30 Lbs.       |
| J7136       | 36"            | 10         | 34 Lbs.       |



### ANGLE BRACE

- Used as tension members on the side of the arm opposite the odd conductor to compensate for unbalanced load
- Flat pole mounting end allows for either a right-hand or left-hand member, with 1 1/16" mounting holes provided at each end
- Flat end mounts to pole 27" below crossarm, angled end requires 42" from center of pole to crossarm
- Constructed of 1 3/4" x 1 3/4" x 3/16" high quality steel, hot-dip galvanized

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| J1442       | 100        | 931 Lbs.      |



## BRACKETS

### CABLE EXTENSION ARM

- Supports a telephone cable at a distance from the pole
- Constructed of high quality steel, hot-dip galvanized
- Mounts to a pole using two  $\frac{5}{8}$ " bolts

| Part Number | Vert. Hole to Hole | Horizontal Distance | Carton Qty | Carton Weight | Maximum Load |
|-------------|--------------------|---------------------|------------|---------------|--------------|
| SF-CEA387B1 | 21"                | 40 $\frac{1}{4}$ "  | 10         | 705 Lbs.      | 3500 Lbs.    |
| SF-CEA387C1 | 14"                | 20 $\frac{1}{4}$ "  | 10         | 305 Lbs.      | 3500 Lbs.    |



SF-CEA387B1



SF-CEA387C1

### CABLE EXTENSION BRACKET

- Supports a telephone cable at a distance from the pole
- Messenger cable is held by a standard J1096 suspension clamp bolted against the underside of the two angles by a  $\frac{5}{8}$ " machine bolt which is fitted between the legs of the two angles and can be adjusted for proper extension from the pole
- Mounts to pole with a  $\frac{5}{8}$ " or  $\frac{3}{4}$ " machine bolt at upper position and two 1/2" lag screw bolts at the lower end of the tee support
- All mounting bolts, lag screws and suspension clamps must be ordered separately
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available



Bellcore Specification: 6398

| Part Number | Angle Size   | Extensions from Center of Pole          | Carton Qty | Carton Weight |
|-------------|--|---|------------|---------------|
| J7920       | 3" x 2 $\frac{1}{2}$ " x $\frac{5}{16}$ "                | 17 $\frac{1}{2}$ " - 26"                | 1          | 31 Lbs.       |
| J7921       | 3 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " x $\frac{5}{16}$ " | 26 $\frac{1}{2}$ " - 44 $\frac{1}{2}$ " | 1          | 60 Lbs.       |

### CONDUIT MOUNTING STANDOFF BRACKET

- Bracket will accommodate 1-3 conduits up to 6" diameter each
- Conduit is secured by banding to post on bracket
- Bracket has 4" standoff with a  $\frac{11}{16}$ " through hole and is 10 $\frac{1}{2}$ " wide
- Mounts to pole with  $\frac{5}{8}$ " machine bolt
- Constructed of ductile iron, hot-dip galvanized
- U.S. made versions available



| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| CRB396      | 10         | 23 Lbs.       |

### DEADEND BRACKET

- Roller assemblies on each side used for deadend application with wireforms or Standwise on opposing sides of the pole
- For use with 12" diameter pole
- Constructed of high quality steel, hot-dip galvanized



| Part Number | Length             | Carton Qty | Carton Weight |
|-------------|--------------------|------------|---------------|
| SF-YDB      | 40 $\frac{3}{4}$ " | 4          | 90 Lbs.       |

## EXTENSION BRACKET

- Constructed of high quality steel, hot-dip galvanized
- Rugged and reliable
- Easy to install
- For use with wood poles
- Mount bracket assembly to pole with a 5/8" bolt through center top hole



| Part Number | Carton Qty | Carton Size    | Carton Weight |
|-------------|------------|----------------|---------------|
| SI-7034     | 10         | 14" x 14" x 8" | 48 Lbs.       |

## EXTENSION BRACKET/MACHINE BOLT ASSEMBLY

- Combines SI-7034 bracket and SI-1406, 5/8" x 3" machine bolt in a package
- For use with wood poles
- Mount bracket assembly to pole with a 5/8" bolt through center top hole



| Part Number | Carton Qty | Carton Size    | Carton Weight |
|-------------|------------|----------------|---------------|
| SI-7034MB   | 10         | 14" x 14" x 8" | 52 Lbs.       |

## MESSENGER EXTENSION

- Provides a 12" clearance from the pole and is fastened with two 5/8" mounting bolts on 8" centers
- Clamp plates are reversible to accept a wide range of messenger brackets, 1/4" to 5/8"
- Constructed of ductile iron, hot-dip galvanized
- U.S. made version available



| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| SCB-12-5    | 6          | 56 Lbs.       |

## FIBER OPTIC ANGLED BRACKET

- Accepts 5/8" mounting hardware
- End fitting has 5/8" x 2" stud
- Cleats to prevent bracket rotation on wood poles
- U.S. made versions available
- Constructed of:
  - Base: Ductile iron, hot-dip galvanized
  - End Fitting: Aluminum A356-T6
  - Rod: Fiberglass gray ultraviolet (UV) protective coating



| Part Number | Extension From Pole | Arm Diameter | Min. Ultimate Load in Lbs. |         |          | Carton Qty | Carton Weight |
|-------------|---------------------|--------------|----------------------------|---------|----------|------------|---------------|
|             |                     |              | F1 Vert                    | F2 Long | F3 Trans |            |               |
| G1MDA112DF  | 12"                 | 1 1/2"       | 1850                       | 1600    | 1500     | 10         | 64 Lbs.       |
| G1MDA115DF  | 15"                 | 1 1/2"       | 1500                       | 1300    | 1500     | 10         | 68 Lbs.       |
| G1MDA118DF  | 18"                 | 1 1/2"       | 1200                       | 1200    | 1500     | 10         | 72 Lbs.       |
| G1MDA121DF  | 21"                 | 1 1/2"       | 1050                       | 1050    | 1500     | 10         | 76 Lbs.       |
| G1MDA124DF  | 24"                 | 1 1/2"       | 950                        | 950     | 1500     | 10         | 81 Lbs.       |
| G1MDA130DF  | 30"                 | 1 1/2"       | 750                        | 750     | 1500     | 10         | 91 Lbs.       |

## FIBER OPTIC STRAIGHT BRACKET

- Accepts 5/8" mounting hardware
- End fitting has 5/8" x 2" stud
- Tab retainers for banding provisions
- Keyhole for installation ease on top bolt
- Constructed of:
  - Base: Ductile iron, hot-dip galvanized
  - End Fitting: Aluminum A356-T6
  - Rod: Fiberglass gray ultraviolet (UV) protective coating
- U.S. made versions available



| Part Number | Extension From Pole | Arm Diameter | Min. Ultimate Load in Lbs. |         |          | Carton Qty | Carton Weight |
|-------------|---------------------|--------------|----------------------------|---------|----------|------------|---------------|
|             |                     |              | F1 Vert                    | F2 Long | F3 Trans |            |               |
| G1MA0112DF  | 12"                 | 1 1/2"       | 1850                       | 1600    | 1500     | 10         | 45 Lbs.       |
| G1MA0118DF  | 18"                 | 1 1/2"       | 1200                       | 1200    | 1500     | 10         | 52 Lbs.       |
| G1MA0121DF  | 21"                 | 1 1/2"       | 1050                       | 1050    | 1050     | 10         | 58 Lbs.       |

## FIBER OPTIC ANGLED JUMPER BRACKET

- Accepts 5/8" mounting hardware
- End fitting has 5/8" x 2" stud
- Constructed of:
  - Base: Ductile iron, hot-dip galvanized
  - End Fitting: Aluminum A356-T6
  - Rod: Fiberglass gray ultraviolet (UV) protective coating
- U.S. made versions available



| Part Number | Extension From Pole | Arm Diameter | Min. Ultimate Load in lbs. |         |          | Carton Qty | Carton Weight |
|-------------|---------------------|--------------|----------------------------|---------|----------|------------|---------------|
|             |                     |              | F1 Vert                    | F2 Long | F3 Trans |            |               |
| G1MAJ112DF  | 12"                 | 1 1/2"       | 1000                       | 800     | 1500     | 10         | 42 Lbs.       |
| G1MAJ116DF  | 16"                 | 1 1/2"       | 800                        | 600     | 1500     | 10         | 46 Lbs.       |

## FIBER OPTIC COLLAR

- Constructed of Aluminum A356-T6
- 1 1/16" diameter mounting hole
- ASFO attachment flange parallel orientation to fiberglass rod; ASFOX attachment flanged perpendicular orientation to fiberglass rod
- U.S. made versions available

| Part Number | Bracket Angle | Inside Diameter | Carton Qty | Carton Weight |
|-------------|---------------|-----------------|------------|---------------|
| ASFO        | 0° or 15°     | 1 1/2"          | 20         | 14 Lbs.       |
| ASFOX       | 0° or 15°     | 1 1/2"          | 20         | 14 Lbs.       |



## MESSENGER HANGER BRACKET

- Hot formed from 1/2" x 2" high quality steel, hot-dip galvanized
- Specially curved groove which permits its use on corners as well as on straight runs
- Two 1/2" high carbon steel track bolts clamp the strand
- Mounting holes are 9/16" and 1 1/16" in diameter for a 1/2" lag screw and 5/8" through bolt
- U.S. made version available



| Part Number | Messenger Dia. Range | Carton Qty | Carton Weight |
|-------------|----------------------|------------|---------------|
| J1070       | 1/4" - 3/8"          | 20         | 66 Lbs.       |

## POLE BRACE CONNECTOR BRACKET

- Permits an attachment angle from 0° to 90° with the pole
- The pole contacting surface is curved with integral teeth for maximum stability and distribution of the load
- USA- series has one center pole mounting hole in each bracket section
- PAX- series has three mounting holes in each bracket section for flexibility of normal or heavy duty bracing applications
- PAX- series center pole mounting hole is used for normal loads, the two outer holes are used for heavy loads
- Distance from center hole to slot is 3"
- Constructed of ductile iron, hot-dip galvanized
- U.S. made versions available



| Part Number | Pole Range  | Bracket Width | Bracket Length | Hinge Bolt Diameter | Mounting Bolt Diameter | Carton Qty | Carton Weight |
|-------------|-------------|---------------|----------------|---------------------|------------------------|------------|---------------|
| USA-5634-5  | 4 1/2" - 7" | 3 1/2"        | 5 3/4"         | 5/8"                | 5/8"                   | 10         | 61 Lbs.       |
| USA-5634-6  | 4 1/2" - 7" | 3 1/2"        | 5 3/4"         | 5/8"                | 3/4"                   | 10         | 61 Lbs.       |
| PAX138      | 6" - 11"    | 4"            | 8"             | 3/4"                | 3/4"                   | 3          | 31 Lbs.       |

## SERVICE MAST BRACKET

- Used with service wedge clamps to attach the neutral wire of a drop cable to the service mast
- The bracket is attached to pipe service masts to provide a secure attachment point for service drop wires
- The center of the front strap is formed in a generous radius to prevent damaging the bail of service wedge clamps.
- Incorporates a specially designed slot on one end of the front strap to permit installation of the bracket without removing the bolt; the special slot feature captures the carriage bolt shoulder to prevent it from turning or slipping out after installation
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available



| Part Number | Pipe Diameter Range | Carton Qty | Carton Weight |
|-------------|---------------------|------------|---------------|
| J0590       | 1 1/4" - 3"         | 50         | 49 Lbs.       |
| SMB40       | 2" - 4"             | 25         | 26 Lbs.       |

## TAP BRACKET

- Provides a means to secure a tap to messenger strand
- Formed from premium-grade aluminum or high quality steel, hot-dip galvanized
- Allows electronic device to be mounted 3" to 9", or 2" to 4" from strand

| Part Number  | Type       | Size   | Jaws Strand Range  | Carton Qty | Carton Weight |
|--------------|------------|--------|--------------------|------------|---------------|
| SI-TAP-250   | Single     | 2 1/2" | 1/4" to 3/8" dia.  | 50         | 11 Lbs.       |
| SI-TAP-900   | Adjustable | 3 - 9" | 1/4" to 3/8" dia.  | 50         | 12 Lbs.       |
| SI-TAP-250G  | Single     | 2 1/2" | 1/4" to 3/8" dia.  | 50         | 11 Lbs.       |
| SI-TAP-250GC | Single     | 2 1/2" | 1/4" to 3/8" dia.  | 50         | 11 Lbs.       |
| SI-TAP-900G  | Adjustable | 3 - 9" | 1/4" to 3/8" dia.  | 50         | 12.5 Lbs.     |
| SI-TAP-200G  | Single     | 2"     | 1/4" to 7/16" dia. | 50         | 10 Lbs.       |
| SI-TAP-400G  | Single     | 4"     | 1/4" to 7/16" dia. | 50         | 18 Lbs.       |
| SI-TAP-200V  | Single     | 2"     | 1/4" to 7/16" dia. | 50         | 10 Lbs.       |
| SI-TAP-400V  | Single     | 4"     | 1/4" to 7/16" dia. | 50         | 18 Lbs.       |

G suffix denotes Galvanized version  
GC suffix denotes Ground Clip version



## CLAMPS

### AERIAL CABLE, MESSENGER

- Hook for supporting messenger during stringing operation
- Body tapped for 5/8" diameter bolt
- Independent clamping - messenger remains clamped if pole shrinkage occurs
- Teeth on legs to resist movement
- Constructed of Aluminum alloy

| Part Number | Mounting Bolt | Ground Wire Range | Messenger Range | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|-----------------|------------|---------------|
| MBA-72      | 5/8"          | 0.12" - 0.25"     | 0.25" - 0.72"   | 50         | 36 Lbs.       |



### AERIAL CABLE, MESSENGER

- Curved groove for more cable support
- Lip on bottom groove kicks upward to support cable during installation
- Hook to support cable during stringing operation
- Independent clamping - messenger remains clamped if pole shrinkage occurs
- Provides 1 1/2" pole clearance
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Mounting Bolt | Ground Wire Range | Messenger Range | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|-----------------|------------|---------------|
| MBC-75      | 5/8"          |                   | 0.35" - 0.75"   | 35         | 59 Lbs.       |
| MB-62       | 5/8"          | 0.16" - 0.25"     | 0.25" - 0.61"   | 25         | 41 Lbs.       |



### AERIAL CABLE, MESSENGER

- Curved messenger groove for better support
- Body tapped for 5/8" - 11 UNC through bolt
- Hook for supporting messenger during stringing operation
- Messenger groove lip kicks upward to support cable during installation
- Independent clamping - messenger remains tight if pole shrinkage occurs
- Constructed of Aluminum alloy

| Part Number | Mounting Bolt | Ground Wire Range | Messenger Range | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|-----------------|------------|---------------|
| MBCA-72-4   | 5/8"          | 0.16" - 0.25"     | 0.25" - 0.72"   | 15         | 29 Lbs.       |



### AERIAL CABLE, MESSENGER

- May be used to support fiber optic cable
- Can be mounted on round or flat surfaces, on a pole, or on a standoff bracket
- Clamping range 0.398" - 0.56"
- Mounting hole is 1 1/16"
- Constructed of:
  - Body and keeper: Aluminum alloy
  - Hardware: High quality steel, hot-dip galvanized

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| MSBC-56     | 25         | 32 Lbs.       |



## AERIAL CABLE, MESSENGER

- Small economical clamp for light duty construction
- A stringing finger is included on the clamping plate
- The back of the clamp body is recessed to fit over nut
- A second nut secures the clamp plate and assures positive, independent clamping action regardless of wood shrinkage
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Mounting Bolt | Ground Wire Range | Messenger Range | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|-----------------|------------|---------------|
| PA166A      | 5/8"          | 0.162" - 0.257"   | 0.162" - 0.257" | 50         | 26 Lbs.       |



## AERIAL CABLE, MESSENGER

- For attaching medium to heavy duty cable on both angle and tangent construction
- Two separate 5/8" x 2 1/2" clamping plate bolts allow clamping action to be independent of wood shrinkage
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Mounting Bolt | Ground Wire Range | Messenger Range | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|-----------------|------------|---------------|
| PA175C      | 3/4"          | 2"                | 0.43" - 0.63"   | 7          | 44 Lbs.       |



## AERIAL CABLE, MESSENGER

- Nut Retainer - cast in body of clamp permits independent mounting of body; also permits through bolt to act as an extra independent clamping bolt
- Belled Groove Ends - allow better angle, as well as tangent installations
- Spurs - provide better stability
- Independent Clamping - not affected by pole shrinkage
- Provides 3" pole clearance
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Mounting Bolt | Ground Wire Range | Messenger Range | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|-----------------|------------|---------------|
| MBXH-82     | 3/4"          | 0.125" - 0.184"   | 3/8" - 3/4"     | 7          | 56 Lbs        |



## AERIAL CABLE, MESSENGER

- This messenger aerial cable clamp is designed for attaching medium size cable and triplex to a pole
- 6" long curved clamping groove to conform to sag of span
- Generously belled groove ends for angles
- Teeth on feet resist down slotting
- Smooth area for stringing operation
- Special nut retaining feature around body mounting bolt hole
- Provides 2 1/4" pole clearance
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Mounting Bolt | Ground Wire Range | Messenger Range | Clamp Bolt    | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|-----------------|---------------|------------|---------------|
| PA192A      | 5/8"          | 0.125" - 0.184"   | 0.310" - 0.500" | (2) 1/2" x 2" | 10         | 55 Lbs.       |



## AERIAL CABLE, MESSENGER

- Accommodates inside or outside angles from 10° to 35°
- Accommodates 0.25" - 0.50" bare messenger or 0.25" insulated messenger
- Clamp groove ends are generously rounded to prevent damage to bare or insulated messenger
- The inner pole side clamp section is tapped to accept a 5/8" diameter bolt and includes a curved surface with spurs to penetrate into the pole and provide a stable installation.
- The design provides a 1 5/8" clearance from the surface of the pole to the cable and 3 3/4" clamping surface length with a back base height of 3 1/4"
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| PA288       | 25         | 36 Lbs.       |



## AERIAL CABLE, MESSENGER

- Hook to support cable during stringing operation
- Independent clamping - messenger remains clamped if pole shrinkage occurs
- Provides 1 1/2" pole clearance
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Mounting Bolt | Ground Wire Range | Messenger Range | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|-----------------|------------|---------------|
| SB32/42     | 5/8"          | 0.16" - 0.37"     | 0.25" - 0.56"   | 50         | 67 Lbs.       |



## AERIAL CABLE, MESSENGER, CORNER ATTACHMENT

- Corner attachment clamps are used for angles of 35° to 60°
- Accommodates 5/8" diameter pole mounting bolt
- The inner pole mounting surface is curved with integral spurs for contact stability with the pole
- The integral thimble eyes will accept deadending devices up to 1/2" diameter
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Eye Center Spacing | Clamp Length | Carton Qty | Carton Weight |
|-------------|--------------------|--------------|------------|---------------|
| P294        | 2 1/2"             | 6"           | 25         | 53 Lbs.       |



## AERIAL CABLE, MESSENGER, MID SPAN

- MSD-4 has a "swing away" keeper for easy installation
- Constructed of:
  - Body and keeper: Aluminum alloy
  - Hardware: High quality steel, hot-dip galvanized

| Part Number | Mounting Bolts | Cable Diameter | Carton Qty | Carton Weight |
|-------------|----------------|----------------|------------|---------------|
| MSD-4       | 3/8"           | 0.23" - 0.42"  | 50         | 28 Lbs.       |
| MS-6        | 3/8"           | 0.39" - 0.57"  | 100        | 44 Lbs.       |



MSD-4



MS-6



## CLAMPS

### AERIAL CABLE, MESSENGER WITH HOOK

- These clamps are used for tangent construction or angles to 10°
- Hook serves as a safety device and can be used in stringing the cable
- Accommodates 5/8" pole mounting bolt
- Constructed of ductile iron, hot-dip galvanized

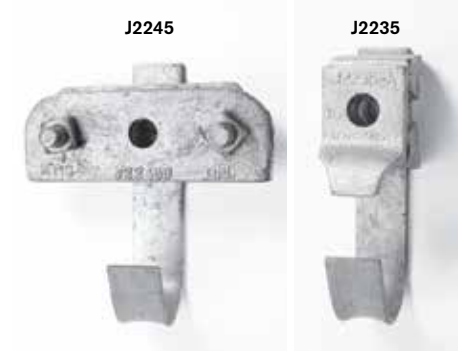
| Part Number | Clamp Gripping Range | Messenger Range                   | Carton Qty | Carton Weight |
|-------------|----------------------|-----------------------------------|------------|---------------|
| PA292X      | 1 3/4"               | 0.250" insulated                  | 25         | 16 Lbs.       |
| PA296X      | 3 3/4"               | 0.109" - 0.134" bare or insulated | 25         | 36 Lbs.       |



### AERIAL CABLE, MESSENGER WITH HOOK

- For tangent or angles to 10°
- Accommodates 1/4" insulated messenger
- Independent clamping - remains tight if pole shrinkage occurs
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Clamp Gripping Range | Carton Qty | Carton Weight |
|-------------|----------------------|------------|---------------|
| J2235       | 1 7/8"               | 25         | 42 Lbs.       |
| J2245       | 3 1/4"               | 10         | 29 Lbs.       |



### AUXILIARY ANCHOR EYE

- Permits an efficient method of adding an eye to an existing anchor rod for attaching an additional guy wire
- Rating: 18,000 Lbs.
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Thimble Diameter | Anchor Rod Diameter Range | Max Strand | Carton Qty | Carton Weight |
|-------------|------------------|---------------------------|------------|------------|---------------|
| AE155       | 1 1/2"           | 5/8" - 3/4"               | 1/2"       | 25         | 66 Lbs.       |
| AE155A      | 1 1/2"           | 3/4" - 1"                 | 1/2"       | 20         | 63 Lbs.       |
| AE155B      | 1 1/8"           | 1/4"                      | 9/16"      | 20         | 62 Lbs.       |



### BEAM CLAMP

- B-beam clamp is used in conjunction with a 5/8" thimbleye bolt in the application of deadending to I-beams
- Clamping screw allows the clamp to be positioned on the beam flange
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| J25911      | 50         | 37 Lbs.       |



## CABLE SUSPENSION CLAMP

- Used with through bolts to serve as a clamping member
  - Securely grips messenger strand to the pole
  - A nut and square washer are used between the clamp and pole to provide proper spacing
  - One bolt clamp consists of the clamping members only – Used with  $\frac{5}{8}$ " through bolt to tighten the clamp on the wire as well as to the pole
  - Three bolt clamps are used with a  $\frac{5}{8}$ " through bolt
  - Firmly grip  $\frac{1}{4}$ " (6.6M) to  $\frac{7}{16}$ " (16M) diameter messenger strand
  - J25088.1 keeper plate is flat
  - Constructed of high quality steel, hot-dip galvanized
- Bellcore Specification: 8623**

| Part Number | Number of Bolts | Clamp Bolt Diameter | Clamp Length      | Mtg. Hole Diameter                      | Carton Qty | Carton Weight |
|-------------|-----------------|---------------------|-------------------|---|------------|---------------|
| J1095       | 1               | -                   | 2 $\frac{1}{2}$ " | 1 $\frac{1}{16}$ "                      | 50         | 31 Lbs.       |
| J1096       | 3               | $\frac{1}{2}$ "     | 5 $\frac{3}{4}$ " | 1 $\frac{1}{16}$ " x 1 $\frac{5}{16}$ " | 25         | 43 Lbs.       |
| J25088.1    | 3               | $\frac{1}{2}$ "     | 5 $\frac{3}{4}$ " | 1 $\frac{1}{16}$ " x 1 $\frac{5}{16}$ " | 25         | 41 Lbs.       |
| SI-1740     | 3               | $\frac{1}{2}$ "     | 5 $\frac{3}{4}$ " | 1 $\frac{1}{16}$ " x 1 $\frac{5}{16}$ " | 25         | 43 Lbs.       |



## CABLE SUSPENSION CLAMP

- Incorporates serpentine grooves in the two mating clamp sections to provide superior holding strength of insulated messenger wire
  - Can be used for tangent construction or angles to 30°
  - Designed for use with 0.25" insulated figure 8 messenger or 0.25" bare messenger wire
  - Clamps are supplied with two track bolt assemblies and a center mounting hole
  - Constructed of ductile iron, hot-dip galvanized
- Bellcore Specification: 8621**

| Part Number | Clamp Bolt Diameter | Clamp Length | Mtg. Hole Diameter                      | Carton Qty | Carton Weight |
|-------------|---------------------|--------------|---|------------|---------------|
| PA422       | $\frac{5}{8}$ "     | 6"           | 1 $\frac{1}{16}$ " x 1 $\frac{5}{16}$ " | 20         | 51 Lbs.       |



## CABLE SUSPENSION CLAMP - CURVED

- Angle suspension clamps have curved ends to prevent damage to the messenger strand when turning small angles
  - Used with through bolts to serve as a clamping member
  - Securely grips messenger strand to the pole
  - A nut and square washer are used between the clamp and pole to provide proper spacing
  - Firmly grip  $\frac{1}{4}$ " (6.6M) to  $\frac{7}{16}$ " (16M) diameter messenger strand
  - They are furnished with two track bolts and a center mounting hole
  - Constructed of high quality steel, hot-dip galvanized
- Bellcore Specification: 8625**

| Part Number | Clamp Bolt Dia. | Clamp Length      | Clamping Width      | Mounting Hole Dia. | Carton Qty | Carton Weight |
|-------------|-----------------|-------------------|---------------------|--------------------|------------|---------------|
| J7901       | $\frac{1}{2}$ " | 5 $\frac{3}{4}$ " | 1 $\frac{11}{16}$ " | 1 $\frac{3}{16}$ " | 25         | 48 Lbs.       |
| J7901A      | $\frac{1}{2}$ " | 5 $\frac{3}{4}$ " | 1 $\frac{11}{16}$ " | 1 $\frac{1}{16}$ " | 25         | 48 Lbs.       |
| SI-1755     | $\frac{1}{2}$ " | 7"                | 1 $\frac{11}{16}$ " | 1 $\frac{1}{16}$ " | 25         | 53 Lbs.       |
| J7902B      | $\frac{5}{8}$ " | 6"                | 2 $\frac{3}{16}$ "  | 1 $\frac{3}{16}$ " | 10         | 36 Lbs.       |
| SI-1750     | $\frac{5}{8}$ " | 7"                | 2 $\frac{3}{16}$ "  | $\frac{7}{8}$ "    | 10         | 36 Lbs.       |



## CROSSOVER CLAMP

- Used to clamp on two messengers where they cross at right angles to prevent wear and abrasion
- The clamp sections are 1 $\frac{1}{2}$ " wide and 3 $\frac{1}{4}$ " long
- Two  $\frac{1}{2}$ " diameter bolts have oval shoulders to prevent turning when tightening
- Constructed of ductile iron, hot-dip galvanized
- U.S. made version available

| Part Number | Strand Diameter Range             | Carton Qty | Carton Weight |
|-------------|-----------------------------------|------------|---------------|
| J7930       | $\frac{1}{4}$ " - $\frac{3}{8}$ " | 25         | 37 Lbs.       |



## CROSSOVER CLAMP

- Used to clamp intersecting 1/4" strand runs
- Positive clamping action prevents slippage and abrasion
- Constructed of high quality steel, mechanically plated components

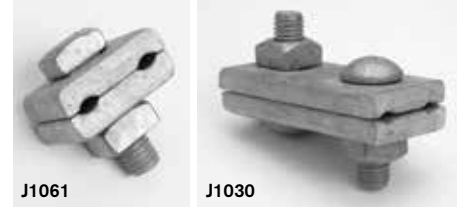
| Part Number | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|--------------|---------------|
| SI-1756     | 50         | 9" x 7" x 6" | 34 Lbs.       |



## GUY CLAMP

- Rolled from carbon steel with straight parallel grooves that will not damage guy strand
  - The clamping bolts have special shoulders to prevent turning when the nuts are tightened
  - Constructed of high quality steel, hot-dip galvanized
- Bellcore Specification: 8624

| Part Number | Number of Bolts | Clamp Bolt Dia. | Clamp Length | Clamping Width | Strand Diameter | Carton Qty | Carton Weight |
|-------------|-----------------|-----------------|--------------|----------------|-----------------|------------|---------------|
| J1061       | 1               | 1/2"            | 1 1/2"       | 1 9/16"        | 3/16" - 3/8"    | 50         | 29 Lbs.       |
| J1030       | 2               | 1/2"            | 3 3/8"       | 1 9/16"        | 3/16" - 3/8"    | 25         | 32 Lbs.       |
| J929        | 3               | 1/2"            | 4"           | 1 9/16"        | 3/16" - 7/16"   | 25         | 41 Lbs.       |
| J930        | 3               | 1/2"            | 6"           | 1 9/16"        | 3/16" - 7/16"   | 20         | 45 Lbs.       |
| J931        | 3               | 5/8"            | 6"           | 1 21/32"       | 5/16" - 1/2"    | 20         | 53 Lbs.       |



## D CABLE LASHING WIRE CLAMP

- Bellcore Specification: 7886
- Accepts 1/4" (6.6M) to 7/16" (16M) messenger strand
  - Designed for easy and permanent termination of lashing wire to messenger strand
  - Constructed of high quality steel, mechanically plated

| Part Number | Carton Qty | Carton Size              | Carton Weight |
|-------------|------------|--------------------------|---------------|
| SI-2175     | 50         | 2 1/4" x 2 3/4" x 2 3/4" | 7 Lbs.        |



## LASHING WIRE CLAMP

- Accepts 1/4" (6.6M) messenger strand
- Designed for easy and permanent termination of lashing wire to messenger strand
- Constructed of high quality steel, mechanically plated

| Part Number | Carton Qty | Carton Size      | Carton Weight |
|-------------|------------|------------------|---------------|
| SI-2176     | 100        | 9" x 5 1/2" x 5" | 14 Lbs.       |
| SI-2176T    | 100        | 14" x 5" x 6"    | 21 Lbs.       |



## STATIC WIRE / BAYONET CLAMP

- Used to secure 1/4" to 7/16" static wire to bayonet assemblies and steel tower members
- Consists of two 2 1/2" long rolled steel clamp sections with the groove ends belled out to prevent damage to the wire and one 1/2" x 2 1/2" machine bolt for mounting

- Accommodates 1/4" - 7/16" wire range
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| J5455       | 50         | 44 Lbs.       |



## SUPPORT TYPE B EXTENSION CLAMP

- Designed to facilitate adding an additional cable to the opposite side of the pole
- Installed by loosening the existing 5/8" diameter machine bolt and slipping the clamp support over the head of the bolt
- 5/8" x 2 1/4" machine bolt and nut are included to secure a suspension clamp

- For small inside angles, a 1/2" lag screw may be installed in the base for increased stability
- Constructed of:
  - Body: ductile iron, hot-dip galvanized
  - Hardware: high quality steel, hot-dip galvanized

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| PA158       | 25         | 46 Lbs.       |



## CLEVISES

### INSULATED SECONDARY & DEADEND CLEVIS

- Clevis mounting holes are for 5/8" bolts
- Mounting holes are slotted to permit installation without removing insulators

- Insulators must be ordered separately
- Constructed of 1 1/2" x 3/16" high quality steel, hot-dip galvanized

| Part Number | Bracket Depth | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|------------------|------------|---------------|
| J0313       | 4 3/16"       | 2 3/8"            | 1/2"             | 25         | 37 Lbs.       |
| J0342       | 5"            | 3 3/8"            | 5/8"             | 50         | 55 Lbs.       |



J0313



J0342

### INSULATED SECONDARY & DEADEND CLEVIS

- Designed to develop high strength on deadends or line pulls
- Clevis mounting holes are for 5/8" bolts
- Mounting holes are slotted to permit installation without removing insulators

- Includes mounting slot for one 5/8" machine bolt and two staggered side holes for 1/2" lag screws
- Used with either the J151 or J0101 spool insulator, ordered separately
- Constructed of 4 3/4" x 11 Ga. high quality steel, hot-dip galvanized

| Part Number | Bracket Depth | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|------------------|------------|---------------|
| J1300       | 4"            | 3 1/4"            | 5/8"             | 25         | 50 Lbs.       |



J1300

## INSULATED SECONDARY & DEADEND CLEVIS

- Clevis mounting holes are for  $\frac{5}{8}$ " bolts
- Mounting holes are slotted to permit installation without removing insulators
- Used with the J151 spool insulator, ordered separately
- Constructed of 12 Ga. high quality steel, hot-dip galvanized

| Part Number | Bracket Depth | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|------------------|------------|---------------|
| J251        | 2½"           | 3¾"               | ⅝"               | 25         | 42 Lbs.       |



## INSULATED SECONDARY & DEADEND CLEVIS

- The J250 has two sharp projections in the back to prevent it from twisting
- J250 insulator bolt contained by metal tab
- J250 constructed of 11 Ga. high quality steel, hot-dip galvanized
- J1398 & J1399 constructed of 3" x  $\frac{3}{16}$ " high quality steel, hot-dip galvanized

| Part Number | Bracket Depth | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|------------------|------------|---------------|
| J250        | 3"            | 3⅛"               | ⅝"               | 25         | 36 Lbs.       |
| J1398       | 3½"           | 3¼"               | ⅝"               | 25         | 56 Lbs.       |
| J1399       | 4"            | 3¼"               | ⅝"               | 25         | 62 Lbs.       |



## INSULATED SECONDARY & DEADEND CLEVIS

- The J252 and J255 Secondary Pulley Brackets are designed for use both as stringing pulleys and as secondary clevises, making them especially useful for stringing and sagging conductors
- The conductor is strung and sagged with the bracket in the pulley position where it cannot bind.
- The 908 slot in the base makes it possible to rotate the bracket into the clevis position before or after the conductor is tied to the spool
- J252 light-type has a metal tab which contains the insulator bolt
- The cotter bolt of the J255 heavy duty-type threads into the bottom of the clevis, locking the special Twist-Lock head into a groove in the clevis top, eliminating the need for a cotter pin
- J252 constructed of 11 Ga. high quality steel, hot-dip galvanized
- J255 constructed of 3" x  $\frac{3}{16}$ " high quality steel, hot-dip galvanized

| Part Number | Bracket Depth | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|------------------|------------|---------------|
| J252        | 3 ⅛"          | 3 ⅛"              | ⅝"               | 25         | 35 Lbs.       |
| J255        | 4"            | 3 ¼"              | ⅝"               | 20         | 50 Lbs.       |



## INSULATED SECONDARY & DEADEND CLEVIS

- J93 Clevis is formed from stiff, hot rolled channel, making it much heavier and stronger than similar brackets made of pressed steel channel
- The J93 clevis features raised projections near the bolt mounting slot which assist in capturing the bolt head to resist turning
- The J093 clevis has an  $1\frac{1}{16}$ " square hole for mounting with either a  $\frac{5}{8}$ " carriage or machine bolt
- J93 constructed of  $1\frac{1}{2}$ "x  $\frac{1}{2}$ "x  $\frac{1}{8}$ " channel high quality steel, hot-dip galvanized
- J093 constructed of  $1$ "x  $\frac{1}{2}$ "x  $\frac{1}{8}$ " channel high quality steel, hot-dip galvanized

| Part Number | Bracket Depth | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|------------------|------------|---------------|
| J93         | 4"            | 3 $\frac{1}{4}$ " | $\frac{5}{8}$ "  | 25         | 42 Lbs.       |
| J093        | 4"            | 3 $\frac{1}{4}$ " | $\frac{5}{8}$ "  | 25         | 33 Lbs.       |



## INSULATED SECONDARY & DEADEND CLEVIS

- Economical secondary clevis for standard 3 inch spool insulator
- Constructed of  $1\frac{1}{2}$ " x  $\frac{3}{16}$ " high quality steel, hot-dip galvanized

| Part Number | Bracket Depth     | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|-------------------|-------------------|------------------|------------|---------------|
| J1394       | 3 $\frac{1}{4}$ " | 3 $\frac{1}{4}$ " | $\frac{5}{8}$ "  | 50         | 62 Lbs.       |



## INSULATED, SWINGING CLEVIS

- The J0322 and J1614 are used with  $\frac{5}{8}$ " or larger eyebolts or eyenuts giving a flexible mounting for equalizing strains at corners
- The J1626 can be bolted to crossarms to provide an insulated deadend assembly
- Constructed of  $\frac{3}{16}$ " high quality steel, hot-dip galvanized

| Part Number | Bracket Depth       | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------------|-------------------|------------------|------------|---------------|
| J0322       | 5"                  | 3 $\frac{3}{8}$ " | $\frac{5}{8}$ "  | 25         | 40 Lbs.       |
| J1614       | 2 $\frac{11}{16}$ " | 2 $\frac{1}{4}$ " | $\frac{3}{8}$ "  | 100        | 41 Lbs.       |
| J1626       | 6 $\frac{7}{16}$ "  | 2 $\frac{1}{4}$ " | $\frac{3}{8}$ "  | 50         | 35 Lbs.       |



## INSULATED, SWINGING CLEVIS

- This bail type secondary clevis, formed from 1/4" diameter steel is designed for attaching to eyebolts
- Porcelain spool insulator is included
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Bracket Depth | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|------------------|------------|---------------|
| U36060/207B | 4"            | 2 1/4"            | 3/8"             | 25         | 21 Lbs.       |



## THIMBLE CLEVIS

- Formed steel thimble clevises provide a light duty, economical interface fitting to deadend wire grips, guy wire, conductor or bails to eye type fittings of insulators, eyebolts and pole eye plates
- Used where 1 1/2" wire seat diameters are required
- Constructed of pressed high quality steel, hot-dip galvanized

| Part Number | Pin Diameter | Ultimate Strength | Clevis Opening | Carton Qty | Carton Weight |
|-------------|--------------|-------------------|----------------|------------|---------------|
| J554        | 1/2"         | 10,000 Lbs.       | 1              | 50         | 49 Lbs.       |
| J555        | 5/8"         | 10,000 Lbs.       | 1              | 50         | 51 Lbs.       |
| J575        | 5/8"         | 7,500 Lbs.        | 1              | 50         | 47 Lbs.       |



J554



J575

## WIRE HOLDER CLEVIS

- Used with either the J101 or J151 spool insulator for attaching services where triplex-type cable is used
- Bracket has riveted in 3/8" x 3 1/2" screw
- Constructed of 1 1/2" x 3/16" high quality steel, hot-dip galvanized

| Part Number | Bracket Depth | Insulator Opening | Cotter Bolt Dia. | Carton Qty | Carton Weight |
|-------------|---------------|-------------------|------------------|------------|---------------|
| J075        | 3"            | 3 1/4"            | 5/8"             | 25         | 35 Lbs.       |



## CLIPS

### HEAVY STRAIN INSULATOR CLIP

- Forged from 1/2" diameter steel with a 1/2" curved bolt complete with Anco® locknut.
- Used with porcelain guy strain insulator L506
- Inside dimensions: 2 1/2" x 5"
- Minimum ultimate strength is 12,400 Lbs.
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| J732        | 25         | 36 Lbs.       |



## CONNECTORS

### STRANDLINK® CONNECTOR

- Used for splicing applications with overhead or down guy wire
- Rated to hold a minimum of 90% of RBS of the strand used
- "Universal Grades" are recommended for use with Alumoweld, EHS, aluminized and galvanized steel strand
- "All Grades" are recommended for use on common grade, Siemens-Martin, high strength utility grade, galvanized and aluminized steel strand
- U.S. made versions available



#### Universal Grade

| Part Number | Primary Strand Application | Range      | Connector Length | Connector Diameter | Carton Qty | Carton Weight |
|-------------|----------------------------|------------|------------------|--------------------|------------|---------------|
| 5039        | 3/16"                      | .145-.215" | 7.5"             | 1.03"              | 50         | 21 Lbs.       |
| 5040        | 1/4"                       | .215-.270" | 7.62"            | 1.13"              | 50         | 27 Lbs.       |
| 5041        | 5/16"                      | .270-.315" | 9.28"            | 1.26"              | 50         | 41 Lbs.       |
| 5042        | 3/8"                       | .325-.392" | 10.62"           | 1.45"              | 25         | 30 Lbs.       |
| 5043        | 7/16"                      | .392-.455" | 10.59"           | 1.59"              | 25         | 36 Lbs.       |
| 5044        | 1/2"                       | .455-.520" | 10.75"           | 1.70"              | 25         | 43 Lbs.       |

#### All Grade

| Part Number | Primary Strand Application | Range      | Connector Length | Connector Diameter | Carton Qty | Carton Weight |
|-------------|----------------------------|------------|------------------|--------------------|------------|---------------|
| 4999        | 3/16"                      | .185-.193" | 5.10"            | 0.70"              | 50         | 8 Lbs.        |
| 5000        | 1/4"                       | .240-.253" | 6.40"            | 0.90"              | 100        | 29 Lbs.       |
| 5001        | 5/16"                      | .310-.335" | 7.25"            | 1.04"              | 50         | 24 Lbs.       |
| 5002        | 3/8"                       | .360-.405" | 8.00"            | 1.25"              | 50         | 35 Lbs.       |

#### Reducers

| Part Number | Primary Strand Application | Range Large End | Range Small End | Carton Qty | Carton Weight |
|-------------|----------------------------|-----------------|-----------------|------------|---------------|
| 5086        | 1/4" x 3/16"               | .215-.270"      | .145-.215"      | 25         | 15 Lbs.       |
| 5087        | 5/16" x 1/4"               | .270-.315"      | .215-.270"      | 25         | 20 Lbs.       |
| 5022        | 3/8" x 5/16"               | .360-.450"      | .310-.335"      | 50         | 36 Lbs.       |
| 5023        | 7/16" x 3/8"               | .410-.455"      | .360-.405"      | 25         | 35 Lbs.       |

### STRANDWISE® CONNECTOR

- Used for deadend applications with overhead or down guy wire
- Rated to hold a minimum of 90% of RBS of the strand used
- Color indicator for easy identification
- "Universal Grades" are recommended for use with Alumoweld, EHS, aluminized and galvanized steel strand
- "All Grades" are recommended for use on common grade, Siemens-Martin, high strength utility grade, galvanized and aluminized steel strand
- U.S. made versions available



#### 3/16" Universal Grade Strand - Red Wire range: .145 - .215"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5199        | 10.12"         | 4.66"            | 1.63"      | A         | 50         | 19 Lbs.       |
| 5255        | 12.75"         | 4.66"            | 2.75"      | E         | 25         | 15 Lbs.       |
| 5261        | 22.31"         | 4.66"            | 2.75"      | E         | 25         | 20 Lbs.       |

#### 1/4" Universal Grade Strand - Yellow Wire range: .215 - .270"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5200        | 10.38"         | 4.88"            | 1.63"      | A         | 50         | 27 Lbs.       |
| 5250        | 13.87"         | 4.88"            | 2.25"      | B         | 50         | 37 Lbs.       |
| 5200L       | 13.87"         | 4.88"            | 1.63"      | C         | 50         | 37 Lbs.       |
| 5262        | 22.62"         | 4.88"            | 2.75"      | E         | 25         | 20 Lbs.       |
| 5268        | 28.63"         | 4.88"            | 2.75"      | E         | 25         | 22 Lbs.       |



## 5/16" Universal Grade Strand - Black Wire range: .270 - .315"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5201        | 10.69"         | 5.38"            | 1.63"      | A         | 50         | 42 Lbs.       |
| 5251        | 14.00"         | 5.38"            | 2.25"      | B         | 50         | 48 Lbs.       |
| 5201L       | 15.75"         | 5.38"            | 1.63"      | C         | 50         | 50 Lbs.       |
| 5257        | 14.06"         | 5.38"            | 2.75"      | E         | 20         | 21 Lbs.       |
| 5263        | 23.44"         | 5.38"            | 2.75"      | E         | 25         | 32 Lbs.       |
| 5269        | 29.69"         | 5.38"            | 2.75"      | E         | 20         | 27 Lbs.       |



## 3/8" Universal Grade Strand - Orange Wire range: .325 - .392"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5202        | 12.88"         | 6.47"            | 1.63"      | A         | 25         | 33 Lbs.       |
| 5252        | 15.12"         | 6.47"            | 2.25"      | B         | 25         | 35 Lbs.       |
| 5202L       | 18.00"         | 6.47"            | 2.00"      | C         | 25         | 38 Lbs.       |
| 5264        | 25.00"         | 6.47"            | 2.75"      | E         | 20         | 37 Lbs.       |
| 5270        | 31.00"         | 6.47"            | 2.75"      | E         | 20         | 42 Lbs.       |

## 7/16" Universal Grade Strand - Green Wire range: .392 - .455"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5203        | 14.75"         | 6.72"            | 2.06"      | A         | 25         | 43 Lbs.       |
| 5253-6      | 17.25"         | 6.72"            | 2.75"      | D         | 25         | 46 Lbs.       |
| 5203L       | 21.00"         | 6.72"            | 2.00"      | C         | 25         | 54 Lbs.       |

## 1/2" Universal Grade Strand - Blue Wire range: .455 - .520"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5204        | 16.31"         | 7.09"            | 2.06"      | A         | 20         | 48 Lbs.       |
| 5254        | 17.50"         | 7.09"            | 2.25"      | B         | 20         | 48 Lbs.       |
| 5254-6      | 17.38"         | 7.09"            | 2.75"      | D         | 20         | 49 Lbs.       |
| 5204L       | 20.50"         | 7.09"            | 2.00"      | C         | 20         | 54 Lbs.       |

## 3/16" All Grade Strand - Red Wire range: .185 - .193"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5099        | 8.06"          | 2.97"            | 1.63"      | A         | 50         | 11 Lbs.       |

## 1/4" All Grade Strand - Yellow Wire range: .240 - .253"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5100        | 9.56"          | 3.94"            | 1.63"      | A         | 50         | 20 Lbs.       |
| 5150        | 12.82"         | 3.94"            | 2.25"      | B         | 50         | 23 Lbs.       |
| 5100L       | 13.10"         | 3.94"            | 1.63"      | C         | 25         | 12 Lbs.       |

## 5/16" All Grade Strand - Black Wire range: .310 - .335"

| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5101        | 9.88"          | 4.37"            | 1.63"      | A         | 50         | 27 Lbs.       |
| 5151        | 13.10"         | 4.37"            | 2.25"      | B         | 50         | 32 Lbs.       |

## 3/8" All Grade Strand - Orange Wire range: .360 - .405"

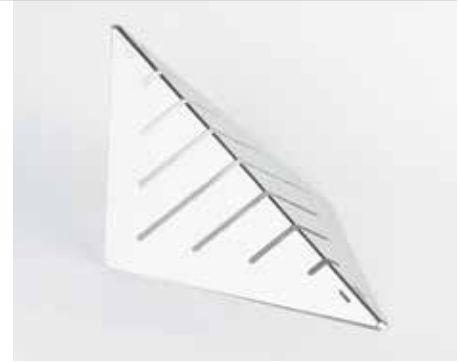
| Part Number | Overall Length | Cartridge Length | Bail Width | Bail Type | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-----------|------------|---------------|
| 5102        | 11.88"         | 5.00"            | 1.63"      | A         | 50         | 41 Lbs.       |
| 5152        | 13.82"         | 5.00"            | 2.25"      | B         | 50         | 45 Lbs.       |
| 5152-6      | 13.50"         | 5.00"            | 2.75"      | D         | 25         | 26 Lbs.       |

## DAMPERS

### ALUMINUM DAMPER

- Prevents cable dancing
- Can be used with both lashed and self-supporting aerial cable lines
- Damper comes with 2 D lashing clamps and 2 lashing supports
- Constructed of aluminum

| Part Number | Carton Qty | Carton Size       | Carton Weight |
|-------------|------------|-------------------|---------------|
| SI-2302     | 1          | 36½" x 11¼" x 15" | 2 Lbs.        |



## EYELETS

### THIMBLEYE® AND OVALEYE EYELET

- Eyelets, also known as bolt eyes, are used under the head or nut of a bolt.
- Straight thimble eyelets are used for span guys
- Angle thimble eyelets are used for down guys
- Compatible with the strength of the bolts used with them; 5/8" = 13,550 Lbs., 3/4" = 20,050 Lbs.
- Standard eyelets are used for deadending
- Standard eyelets and straight thimble eyelets have a slotted hole for ease in inserting the bolt
- Constructed of high quality steel, hot-dip galvanized



| Part Number | Mounting Bolt Hole | Bolt Size | Inside Width | Inside Length | Overall Width | Carton Qty | Carton Weight | Style      |
|-------------|--------------------|-----------|--------------|---------------|---------------|------------|---------------|------------|
| J1126       | 1 1/8" x 1 1/16"   | 5/8"      | 1 1/4"       | 3"            | 2 1/4"        | 50         | 48 Lbs.       | Ovaleye    |
| J1127       | 1 1/8" x 1 3/16"   | 3/4"      | 1 1/4"       | 3"            | 2 1/4"        | 50         | 50 Lbs.       | Ovaleye    |
| J6550C      | 1" x 1 1/16"       | 5/8"      | 1 5/16"      | 2"            | 2 1/4"        | 25         | 32 Lbs.       | Thimbleye® |
| J6551       | 1 1/8" x 1 3/16"   | 3/4"      | 1 5/16"      | 2"            | 2 1/4"        | 25         | 31 Lbs.       | Thimbleye® |

### ANGLE THIMBLE EYELET

| Part Number | Bolt Diameter | Maximum Strand | Carton Qty | Carton Weight |
|-------------|---------------|----------------|------------|---------------|
| J6500       | 5/8"          | 1/2"           | 25         | 35 Lbs.       |



## EYENUTS

### OVAL, THIMBLE, TWINEYE, AND CLEVIS EYENUT

- Thimble eyenuts are used for span, head and stub guying, twin eyenuts accommodate double guys
- Oval eyenuts are used for deadending with suspension and strain insulators or thimble clevises
- Eyenuts are tapped to fit hot-dip galvanized bolts made to ANSI specifications
- Designed to develop strength ratings consistent with the bolts with which they are used - i.e. 1/2" = 8,500 Lbs., 5/8" = 13,500 Lbs., 3/4" = 20,050 Lbs., 1" = 33,500 Lbs.

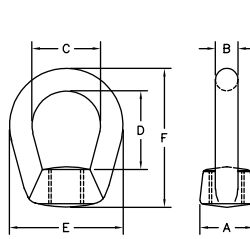


Figure 1

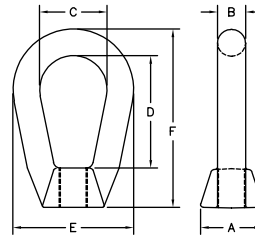


Figure 2

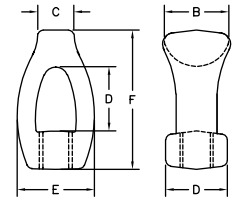


Figure 3

### OVAL EYENUT

- J1092 and J1093 are constructed of high quality steel, hot-dip galvanized; EN-4, ENL-5 and ENL-6 constructed of ductile iron, hot-dip galvanized

| Part Number | Figure | Bolt Size | A      | B     | C      | D      | E      | F  | Carton Qty | Carton Weight |
|-------------|--------|-----------|--------|-------|--------|--------|--------|----|------------|---------------|
| EN-4        | 1      | 1/2"      | 1 3/8" | 9/16" | 1 1/2" | 1 3/4" | 2 5/8" | 3" | 50         | 35 Lbs.       |
| J1092       | 1      | 5/8"      | 1 3/8" | 9/16" | 1 1/2" | 1 3/4" | 2 5/8" | 3" | 50         | 29 Lbs.       |
| J1093       | 1      | 3/4"      | 1 3/8" | 9/16" | 1 1/2" | 1 3/4" | 2 5/8" | 3" | 50         | 27 Lbs.       |
| ENL-5       | 2      | 5/8"      | 1 3/8" | 5/8"  | 1 1/2" | 2 1/2" | 2 5/8" | 4" | 50         | 40 Lbs.       |
| ENL-6       | 2      | 3/4"      | 1 3/8" | 5/8"  | 1 1/2" | 2 1/2" | 2 5/8" | 4" | 50         | 39 Lbs.       |



### THIMBLE EYENUT

- J6510, J6511 and J16512 constructed of high quality steel, hot-dip galvanized; SI-4405 and SI-4406 constructed of ductile iron, hot-dip galvanized

Bellcore Specification: 6228

| Part Number | Figure | Bolt Size | A      | B      | C      | D       | E      | F      | Carton Qty | Carton Weight |
|-------------|--------|-----------|--------|--------|--------|---------|--------|--------|------------|---------------|
| J6510       | 3      | 5/8"      | 1 1/2" | 1 1/2" | 7/8"   | 1 3/8"  | 1 7/8" | 3"     | 50         | 46 Lbs.       |
| SI-4405     | 3      | 5/8"      | 1 1/4" | 1 3/4" | 29/32" | 1 7/16" | 1 3/4" | 3"     | 50         | 46 Lbs.       |
| J6511       | 3      | 3/4"      | 1 1/2" | 1 1/2" | 7/8"   | 1 3/8"  | 1 7/8" | 3"     | 50         | 42 Lbs.       |
| SI-4406     | 3      | 3/4"      | 1 1/4" | 1 3/4" | 29/32" | 1 7/16" | 1 3/4" | 3"     | 50         | 42 Lbs.       |
| J16512      | 3      | 1"        | 2"     | 2"     | 7/8"   | 1 1/2"  | 2"     | 4 1/2" | 25         | 51 Lbs.       |



### TWINEYE EYENUT

- Constructed of high quality steel, hot-dip galvanized
  - Twin eyenuts accommodate double guys
  - Constructed of high quality steel, hot-dip galvanized
- Bellcore Specification: 6228

| Part Number | Bolt Diameter | Maximum Strand | Carton Qty | Carton Weight |
|-------------|---------------|----------------|------------|---------------|
| J6515       | 5/8"          | 5/8"           | 25         | 38 Lbs.       |
| J6516       | 3/4"          | 5/8"           | 25         | 45 Lbs.       |



## CLEVIS EYENUT

- Constructed of ductile iron, hot-dip galvanized

| Part Number | Bolt Diameter | Pin Diameter | Carton Qty | Carton Weight |
|-------------|---------------|--------------|------------|---------------|
| CN-5        | 5/8"          | 5/8"         | 50         | 40 Lbs.       |



## GAINS

### POLE GAIN

- Used where it is not possible or desirable to cut a gain in the pole
- Enhances the stability of the crossarm and pole interface
- Part is 4" high x 5 1/4" long with 2 5/32" end returns, includes two 1/4" holes and 1 3/16" x 2" slot
- Constructed of high quality 3/16" formed steel, hot-dip galvanized
- U.S. made version available

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| J4060       | 25         | 32 Lbs.       |



## GUARDS

### PLASTIC CABLE GUARD

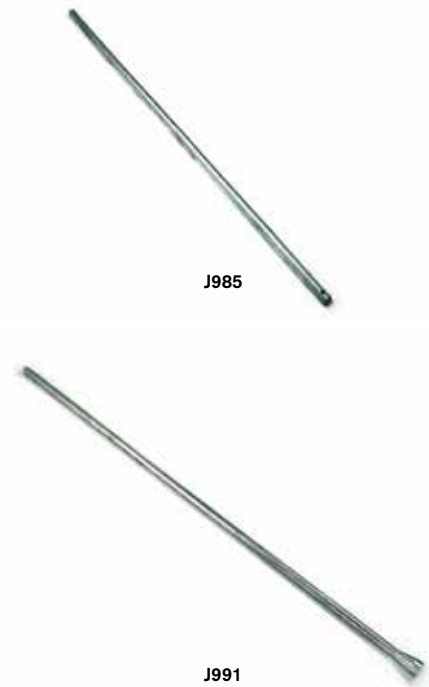
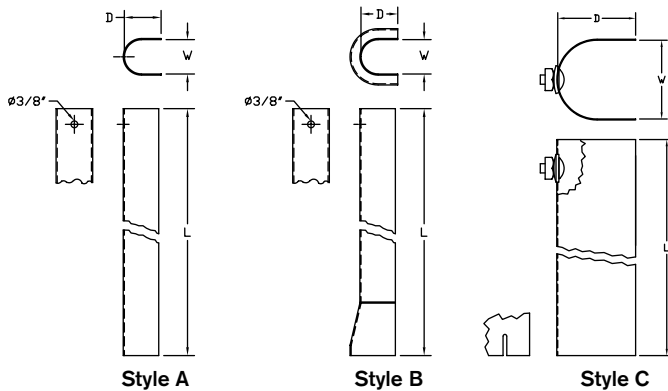
- Designed to nest over the one piece galvanized cable guard as required by many construction standards which call for a galvanized guard at the base and a plastic guard up the balance of the pole
- Strong, light weight, maintenance-free means of cable protection
- Non-conducting
- Can be cut to length in the field
- Can be mounted with furnished 1 1/2" x 10 ga. neoprene washer head nails or optional 1/4" x 2" hex head lag screw with neoprene backed steel washer (Part J26486.1)
- Constructed of gray color UV stabilized, high impact resistant PVC
- U.S. made version available

| Part Number | Size I.D. x Length | Carton Qty | Carton Weight |
|-------------|--------------------|------------|---------------|
| PGU210      | 2" x 10'           | 10         | 63 Lbs        |



## STEEL CABLE GUARD

- Cable guards are used to protect power and telephone cable at riser installations
- Offers maximum protection to cable against collisions and vandalism
- Inexpensive strap-mounted style uses lag screws to secure to pole
- Guards without frustrum can be used as extensions to attain any desired height on the pole
- Carriage bolt assembly is furnished on style "C" to fasten extensions and serve as a ground lead attachment
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

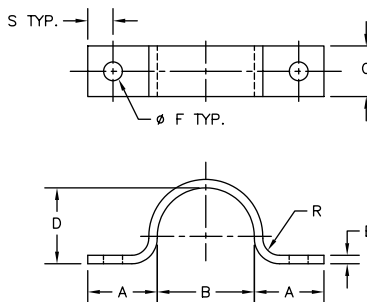


| Part Number | Guard Style | Steel Gage | Length | Depth   | Width   | Strap PN | Carton Qty | Carton Weight |
|-------------|-------------|------------|--------|---------|---------|----------|------------|---------------|
| J985        | A           | 14         | 5'     | 1 1/8"  | 1 1/8"  | J995     | 5          | 21 Lbs.       |
| J984        | A           | 14         | 8'     | 1 1/8"  | 1 1/8"  | J995     | 5          | 36 Lbs.       |
| J991        | B           | 14         | 8'     | 1 5/16" | 1 1/4"  | J995     | 5          | 36 Lbs.       |
| J987        | A           | 14         | 8'     | 2 3/16" | 2 3/16" | J996     | 5          | 76 Lbs.       |
| J989        | A           | 14         | 8'     | 3 3/16" | 3 3/16" | J997     | 2          | 35 Lbs.       |
| J23395.8    | C           | 14         | 8'     | 3 3/16" | 3 3/16" | J997     | 2          | 37 Lbs.       |

## CABLE GUARD STRAP

Bellcore Specification: 6789

- Constructed of high quality steel, hot-dip galvanized
- Used in securing U-cable guards to poles



| Part Number | Dimensions |         |      |          |       |         |      |      |    | Package Qty | Carton Qty            | Carton Size | Carton Weight |
|-------------|------------|---------|------|----------|-------|---------|------|------|----|-------------|-----------------------|-------------|---------------|
|             | (A)        | (B)     | (C)  | (D)      | (E)   | (F)     | (R)  | (S)  |    |             |                       |             |               |
| SI-0075     | 1 1/32"    | 1 7/16" | 3/4" | 1 1/8"   | 1/8"  | 9/32"   | 1/4" | 3/8" | 25 | 450         | 12" x 12" x 8"        | 52 Lbs.     |               |
| SI-0076     | 1 1/32"    | 1 1/2"  | 3/4" | 1 7/16"  | 1/8"  | 9/32"   | 3/8" | 3/8" | 25 | 300         | 14" x 10" x 8"        | 42 Lbs.     |               |
| SI-0077     | 1 1/32"    | 2 3/8"  | 3/4" | 2 5/16"  | 1/8"  | 9/32"   | 3/8" | 3/8" | 25 | 150         | 14" x 14" x 6"        | 32 Lbs.     |               |
| SI-0078     | 1 5/16"    | 2 3/8"  | 1"   | 3 5/16"  | 3/16" | 1 1/32" | 3/8" | 1/2" | 25 | 25          | 8" x 6" x 6"          | 12 Lbs.     |               |
| SI-0079     | 1 5/16"    | 3 7/8"  | 1"   | 3 13/16" | 3/16" | 1 1/32" | 3/8" | 1/2" | 25 | 25          | 8" x 6" x 6"          | 19 Lbs.     |               |
| J995        | 1 1/32"    | 1 1/2"  | 3/4" | 1 7/16"  | 1/8"  | 9/32"   | 3/8" | 3/8" | -  | 250         | 16 1/4" x 9" x 7"     | 36 Lbs.     |               |
| J996        | 1 1/32"    | 2 3/8"  | 3/4" | 2 5/16"  | 1/8"  | 9/32"   | 3/8" | 3/8" | -  | 200         | 17 1/2" x 9" x 9 1/2" | 41 Lbs.     |               |
| J997        | 1 5/16"    | 3 3/8"  | 1"   | 3 5/16"  | 3/16" | 1 1/32" | 3/8" | 1/2" | -  | 50          | 17 1/2" x 9" x 9 1/2" | 31 Lbs.     |               |

## PLASTIC GROUND WIRE MOLDING

- Plastic ground wire molding provides strong, reliable protection of exposed ground wire.
- Low maintenance, safety, handling ease and low cost
- Easily secured to the pole with available diamond point staples or square shank, barbed staples
- Constructed of U-shaped gray, high impact resistant, UV stabilized PVC
- U.S. made version available



| Part Number | Description           | Carton Qty | Carton Weight |
|-------------|-----------------------|------------|---------------|
| PM128       | 1/2" x 1/2" x 8' long | 125        | 41 Lbs.       |

## PLASTIC GUY GUARD

- Provides a strong, highly visible, economical safeguard from exposed guy wires and anchor rods
- UV stabilized for long life and resistant to fading
- Constructed of yellow high-density, impact-resistant polyethylene or PVC
- U.S. made versions available

### J1493Y Features

- 2" diameter full round design permits complete coverage of guy wire and anchor rod for maximum protection and improved visibility
- 3" long partial cutaway to facilitate installation of the galvanized bolted clamp assembly at one end
- The other end is secured by hand insertion of the one way, spiked plastic rivet



J1493Y

### J1491Y & J1498Y Features

- 2 1/2" diameter, two-thirds round design provides excellent visibility and permits installation over anchor rods up to 1 1/4" diameter
- Four sets of holes are located along the guard to permit flexibility of mounting positions
- Bolted clamp assemblies or wire ties used for attachment methods



J1491Y and J1498Y

### J5518 & J5718 Features

- Full round helical pigtail guards provide installation without the need for tools
- Uses a 23" long helically formed polyethylene tie pigtail, which is wrapped around the guy strand to provide tool free installation to guy strands 3/16" to 1/2"
- Secured by a marine grade aluminum rivet positioned 5' above bottom of guard
- Bottom of guard includes one way locking nylon strap for additional installation security and resistance to unauthorized removal

| Part Number | Description             | Attachment      | Carton Qty | Carton Weight |
|-------------|-------------------------|-----------------|------------|---------------|
| J1493Y      | 8' yellow, Polyethylene | bolted clamp    | 10         | 21 Lbs.       |
| J1491Y      | 8' yellow, PVC          | 3 bolted clamps | 20         | 37 Lbs.       |
| J1498Y      | 8' yellow, PVC          | 3 wire ties     | 20         | 26 Lbs.       |
| J5518       | 8' yellow, PVC          | helical tie     | 25         | 24 Lbs.       |
| J5718       | 8' yellow, Polyethylene | helical tie     | 25         | 19 Lbs.       |



J5518 and J5718



J5518 and J5718

## TAPERED STEEL GUY GUARD

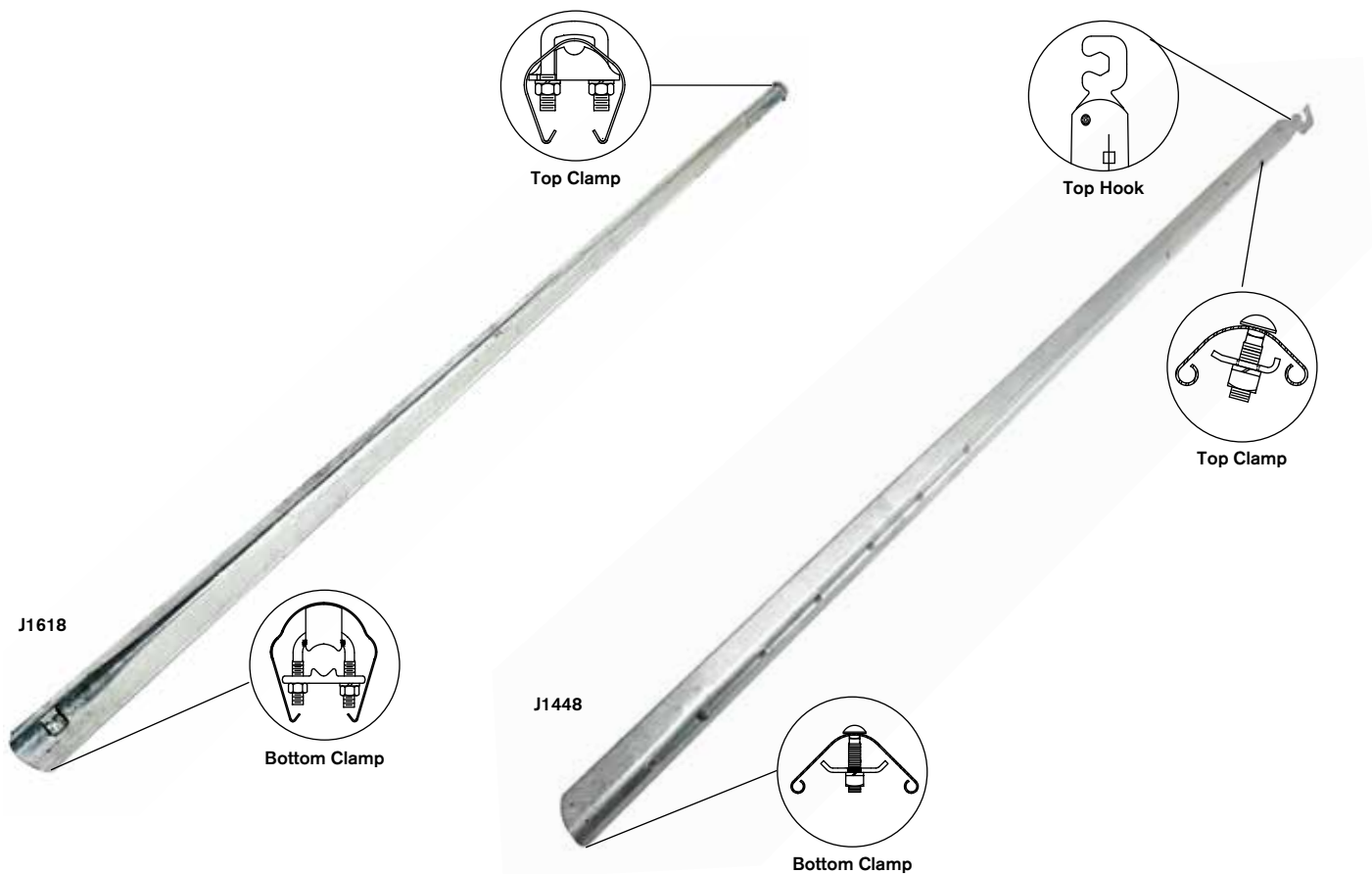
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

### Full Round

- Full round guards are provided with U-bolt clamps at both ends
- Bottom fitting clamps directly to the guy rod
- Slot near the base of the guard easily engages the tongue of the fitting
- Strand swivel type top clamp is installed without removing the nuts

### Half Round

- Half round guards come with either a hook or clamp at the top
- Curved jaws of the heavy gauge steel hook tighten firmly on  $\frac{1}{4}$  -  $\frac{9}{16}$ " strand as the guard is brought down into position
- Two holes are available in the top clamp type, the lower of which is used on short sweep guys
- Seven holes in the lower portion of both styles allow for proper positioning of the bottom clamp to the strand



| Part Number | Length | Style                 | Carton Qty | Carton Weight |
|-------------|--------|-----------------------|------------|---------------|
| J1448       | 8'     | Half round, top hook  | 2          | 19 Lbs.       |
| J1528       | 8'     | Half round, top clamp | 2          | 22 Lbs.       |
| J1618       | 8'     | Full round            | 2          | 26 Lbs.       |

## GUY ATTACHMENTS

### GUY ATTACHMENT

- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

| Part Number | Steel Size | Mounting Hole | Carton Qty | Carton Weight |
|-------------|------------|---------------|------------|---------------|
| J25164      | 2" x 3/16" | 1 1/16"       | 50         | 44 Lbs.       |



### GUY ATTACHMENT

- Used to fasten guys to poles
- Constructed of high quality steel, mechanically plated

| Part Number | Carton Qty | Carton Size           | Carton Weight |
|-------------|------------|-----------------------|---------------|
| SI-4430     | 100        | 10" x 8 1/2" x 6 3/4" | 63 Lbs.       |



### GUY HOOK

Bellcore Specification: 7909

- Used for down and span guys
- Constructed of ductile iron, hot-dip galvanized
- Features smooth grooves to eliminate chafing of the strand
- Accepts a wide range of strand diameters

| Part Number | Mounting Hole   | Width At Strand End | Overall Length | Carton Qty | Carton Size                | Carton Weight |
|-------------|-----------------|---------------------|----------------|------------|----------------------------|---------------|
| SI-4425     | 5/8"            | 3 3/4"              | 4 3/4"         | 25         | 12" x 9" x 5"              | 41 Lbs.       |
| SI-4426     | 3/4"            | 3 7/8"              | 5 7/16"        | 25         | 14" x 10" x 8"             | 51 Lbs.       |
| SI-4426A    | 3/4"            | 3 5/8"              | 5 1/4"         | 25         | 11 1/2" x 11" x 7"         | 47 Lbs.       |
| P133AX      | 13/16" x 1"     | 3 15/16"            | 5 1/2"         | 25         | 14 1/2" x 8 3/4" x 8 3/4"  | 32 Lbs.       |
| P134AXW     | 13/16" x 7/8"   | 3 3/8"              | 4 3/4"         | 50         | 16 1/2" x 8 3/4" x 8 3/4"  | 57 Lbs.       |
| P134BX      | 13/16" x 15/16" | 3 5/8"              | 5 3/8"         | 25         | 14 1/2" x 8 3/4" x 8 3/4"  | 49 Lbs.       |
| P135AXW     | 1 1/16" x 3/4"  | 3 1/8"              | 4 1/2"         | 50         | 14 1/2" x 8 3/4" x 8 3/4"  | 51 Lbs.       |
| P151X       | 1 1/16"         | 2 7/8"              | 3 3/4"         | 50         | 14 1/2" x 8 3/4" x 8 3/4"  | 44 Lbs.       |
| P152X       | 13/16"          | 3 1/8"              | 4 1/4"         | 50         | 14 1/2" x 8 3/4" x 8 3/4"  | 52 Lbs.       |
| P157X       | 13/16"          | 3 5/8"              | 4 1/4"         | 50         | 14 1/2" x 8 3/4" x 8 3/4"  | 51 Lbs.       |
| P138        | 15/16"          | 1 13/16"            | 6 1/4"         | 15         | 16 1/2" x 10 1/2" x 9 3/4" | 38 Lbs.       |
| P133A       | 13/16"          | 3 5/8"              | 5 1/4"         | 50         | 16 1/2" x 10 1/2" x 9 3/4" | 70 Lbs.       |
| P135A       | 1 1/16"         | 3 3/4"              | 4 3/4"         | 50         | 16 1/2" x 10 1/2" x 9 3/4" | 48 Lbs.       |
| J6555       | 1 1/16"         | 3"                  | 4 13/16"       | 50         | 14 1/2" x 8 3/4" x 8 3/4"  | 48 Lbs.       |
| J6556       | 13/16"          | 3"                  | 4 13/16"       | 50         | 14 1/2" x 8 3/4" x 8 3/4"  | 56 Lbs.       |
| GAD-56-X    | 13/16"          | 2 7/8"              | 4 3/4"         | 50         | 14 1/2" x 8 3/4" x 8 3/4"  | 48 Lbs.       |
| GAD-56-4    | 13/16"          | 2 7/8"              | 4 3/4"         | 50         | 14 1/2" x 8 3/4" x 8 3/4"  | 48 Lbs.       |

Note: GAD-56-4 constructed with additional 9/16" diameter lag screw hole



SI-4426

SI-4425



P134AXW



P135AXW



GAD-56-X



SI-4426A



P138



P157X



P151X



## GUY HOOK

- Used in tandem, on opposite sides of the pole, to prevent guy strand from slipping on the pole
- Rounded oval prevents damage to the guy strand and strands protective galvanized coating
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

| Part Number | Mounting hole                    | Carton Qty | Carton Weight |
|-------------|----------------------------------|------------|---------------|
| J1019       | 1 <sup>1</sup> / <sub>16</sub> " | 50         | 45 Lbs.       |



## GUY HOOK

- Constructed of ductile iron, hot-dip galvanized
- U.S. made version available

| Part Number | Overall Width                   | Mounting hole                    | Carton Qty | Carton Weight |
|-------------|---------------------------------|----------------------------------|------------|---------------|
| SGA-6       | 3 <sup>1</sup> / <sub>2</sub> " | 1 <sup>3</sup> / <sub>16</sub> " | 50         | 43 Lbs.       |



## MULTIPLE COMBINATION GUY ATTACHMENT

- Combination type guy attachments provide flexibility to terminate guy wire or fiberglass guy strain insulators
- More surface in contact with pole than other comparable guy attachments
- Greater protection to wood fibers
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Overall Width | Overall Length                  | Carton Qty | Carton Weight |
|-------------|---------------|---------------------------------|------------|---------------|
| P345A       | 4"            | 7 <sup>1</sup> / <sub>2</sub> " | 15         | 36 Lbs.       |

Note: Constructed with 1<sup>3</sup>/<sub>16</sub>" mounting hole, 7/8" x 1<sup>3</sup>/<sub>4</sub>" slot, two 9/16" holes in the base, and a tab with a 1<sup>3</sup>/<sub>16</sub>" through hole

| Part Number | Overall Width                    | Overall Length | Carton Qty | Carton Weight |
|-------------|----------------------------------|----------------|------------|---------------|
| MGA-345     | 2 <sup>7</sup> / <sub>8</sub> "  | 5"             | 25         | 40 Lbs.       |
| MGA-345-N   | 2 <sup>7</sup> / <sub>8</sub> "  | 5"             | 25         | 40 Lbs.       |
| MGA-345-6   | 2 <sup>7</sup> / <sub>16</sub> " | 5"             | 25         | 40 Lbs.       |
| MGA-345-6N  | 2 <sup>7</sup> / <sub>16</sub> " | 5"             | 25         | 40 Lbs.       |

Note: Constructed with 13/16" mounting hole, 11/16" hole in the base, and a 11/16" through hole on MGA-345 & MGA-345-N, & a 13/16" through hole on MGA-345-6 & MGA-345-6N. Suffix "N" indicates no teeth and is intended for use on steel or concrete poles



P345A



MGA-345

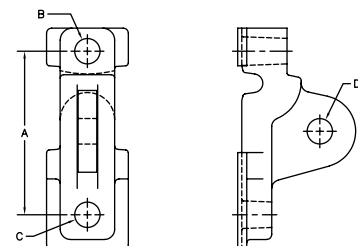
## MULTIPLE COMBINATION GUY ATTACHMENT

- Combination type guy attachments provide flexibility to terminate guy wire or fiberglass guy strain insulators
- For use on round or flat surfaces
- Constructed of ductile iron, hot-dip galvanized

| Part Number | A  | B                                | C                                | D                                | Max Cable Diameter | Carton Qty | Carton Weight |
|-------------|----|----------------------------------|----------------------------------|----------------------------------|--------------------|------------|---------------|
| UGA-65-3    | 3" | 1 <sup>3</sup> / <sub>16</sub> " | 1 <sup>1</sup> / <sub>16</sub> " | 1 <sup>1</sup> / <sub>16</sub> " | 7/16"              | 50         | 72 Lbs.       |
| UGA-66-4    | 4" | 1 <sup>3</sup> / <sub>16</sub> " | 1 <sup>3</sup> / <sub>16</sub> " | 1 <sup>3</sup> / <sub>16</sub> " | 1/2"               | 25         | 52 Lbs.       |
| UGA-66-6    | 6" | 1 <sup>3</sup> / <sub>16</sub> " | 1 <sup>3</sup> / <sub>16</sub> " | 1 <sup>5</sup> / <sub>16</sub> " | 9/16"              | 10         | 52 Lbs.       |
| UGA-77-6    | 6" | 1 <sup>5</sup> / <sub>16</sub> " | 1 <sup>5</sup> / <sub>16</sub> " | 1 <sup>5</sup> / <sub>16</sub> " | 9/16"              | 10         | 51 Lbs.       |
| UGA-77-7    | 6" | 1 <sup>5</sup> / <sub>16</sub> " | 1 <sup>5</sup> / <sub>16</sub> " | 1 <sup>5</sup> / <sub>16</sub> " | 9/16"              | 10         | 52 Lbs.       |
| UGA-77-9    | 6" | 1 <sup>5</sup> / <sub>16</sub> " | 1 <sup>5</sup> / <sub>16</sub> " | 1 <sup>3</sup> / <sub>16</sub> " | 9/16"              | 10         | 51 Lbs.       |
| UGA-88-8    | 6" | 1 <sup>1</sup> / <sub>16</sub> " | 1 <sup>1</sup> / <sub>16</sub> " | 1 <sup>1</sup> / <sub>16</sub> " | 9/16"              | 10         | 51 Lbs.       |



UGA-77-7



## HOOKS

### DRIVE HOOK

**Bellcore Specification:** 7365

- Used for securing drop wire attachments and service drops
- Rolled fether drive threads and pilot point for easy starting
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Size           | Carton Qty | Carton Size               | Carton Weight |
|-------------|----------------|------------|---------------------------|---------------|
| J3316P      | 7/16" x 4 3/4" | 200        | 16 1/2" x 8 1/2" x 7 1/2" | 53 Lbs.       |
| SI-3000*    | 7/16" x 4 3/4" | 200        | 9" x 9" x 7"              | 53 Lbs.       |
| J3318       | 5/16" x 3 1/2" | 500        | 16 1/4" x 9" x 7"         | 58 Lbs.       |
| SI-3001*    | 5/16" x 3 1/2" | 400        | 11" x 11" x 7 1/2"        | 55 Lbs.       |
| J8245       | 1/2" x 5 7/8"  | 100        | 14 1/2" x 8" x 7 1/2"     | 41 Lbs.       |

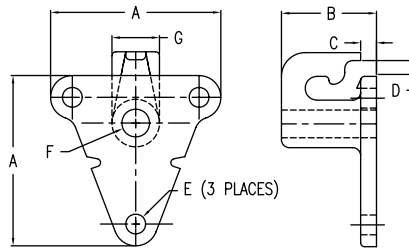
\* - Indicates mechanically plated finish

Note: J8245 has rolled 1/2" threads and includes a square nut, bolts through a wooden cross arm for deadending telephone services



### DROP WIRE SERVICE HOOK

- Can be used at the pole or building end of a duplex or triplex service drop
- Breaking strength of hook exceeds 2,000 Lbs.
- U2395 constructed of Aluminum
- U2398 constructed of ductile iron, hot-dip galvanized
- U.S. made versions available



| Part Number | A      | B    | C     | D     | E      | F      | G     | Carton Qty | Carton Weight |
|-------------|--------|------|-------|-------|--------|--------|-------|------------|---------------|
| U2395       | 2.688" | 1.5" | 0.25" | 0.25" | 0.312" | 0.438" | 0.75" | 200        | 35 Lbs.       |
| U2398       | 2.688" | 1.5" | 0.25" | 0.25" | 0.312" | 0.438" | 0.75" | 100        | 17 Lbs.       |

### TYPE B PLACING HOOK

- The type B placing hook is used as a stringing tool to facilitate the installation of a figure 8 cable
- The hollow base of the hook permits installation over the nut and washer of the through bolt
- The horizontal slot of the hook allows the hook to be removed for re-use after the cable is secured to the cable suspension clamp and through bolt
- The hook can remain installed between the pole and the cable suspension clamp
- Constructed of high quality steel, hot-dip galvanized
- U.S. made version available

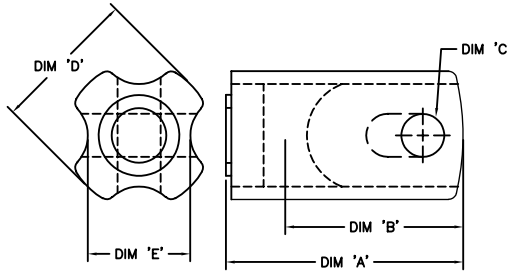
| Part Number | Mounting Bolt Dia. | Carton Qty | Carton Weight |
|-------------|--------------------|------------|---------------|
| P338        | 5/8"               | 20         | 42 Lbs.       |



## INSULATORS

### GUY STRAIN

- Typical system voltage: L502 (2.2 kV); L504 (4.4 kV); L506 (6.6 kV)
- Conforms to ANSI C29.1 standards; Class 54-1 (L502), Class 54-2 (L504), Class 54-3 (L506)
- Made of porcelain, horizon glaze (light gray) is standard color



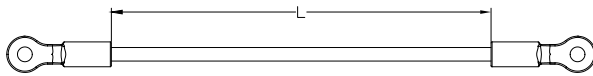
| Part Number | Max Cable Diameter | A      | B       | C    | D      | E      | Rated Ultimate Strength | Max. Work Load | Carton Qty | Carton Weight |
|-------------|--------------------|--------|---------|------|--------|--------|-------------------------|----------------|------------|---------------|
| L502        | 3/8"               | 3 1/2" | 2 5/8"  | 5/8" | 2 1/2" | 1 3/4" | 10,000 Lbs.             | 5,000 Lbs.     | 50         | 56 Lbs.       |
| L504        | 1/2"               | 4 1/2" | 3 1/4"  | 7/8" | 2 7/8" | 2 1/8" | 12,000 Lbs.             | 6,000 Lbs.     | 25         | 38 Lbs.       |
| L506        | 5/8"               | 5 1/2" | 4 5/16" | 1"   | 3 3/8" | 2 3/8" | 20,000 Lbs.             | 10,000 Lbs.    | 20         | 56 Lbs.       |

## GUY STRAIN

### Catalog Numbering System



| End Fitting Types   | Minimum Ultimate Strength Rating (Lbs.)  | Length (L)  | Roller  |
|---|--|---|---|
| <b>C</b> = Clevis<br><b>TE</b> = Thimble Eye<br><b>YC</b> = Y-Clevis (except 15K lbs) | <b>15</b> = 15,000<br><b>21</b> = 21,000<br><b>30</b> = 30,000<br><b>36</b> = 36,000 | For standard lengths, see tables below<br>Custom lengths available, consult your sales representative for details | Omit to specify without roller(s)<br><b>R</b> = Single roller<br><b>R2</b> = Roller each end (Clevis-Clevis only) |



**Example**

- 78" Guy Strain Insulator
- Clevis - Clevis end fittings
- 15,000 Lb minimum ultimate strength rating
- Roller on each end

**Catalog Number - GCC15-78R2**

Note: U.S. made versions available



GCC15-12R



GCTE15-12R

### 15,000 Lbs. Minimum Ultimate Strength Rating

| Guy Strain Length | Part Number Clevis - Clevis | Carton Qty | Carton Weight | Part Number Clevis - Thimble Eye | Carton Qty | Carton Weight |
|-------------------|-----------------------------|------------|---------------|----------------------------------|------------|---------------|
| 12"               | GCC15-12R                   | 10         | 31 Lbs.       | GCTE15-12R                       | 10         | 31 Lbs.       |
| 18"               | GCC15-18R                   | 10         | 35 Lbs.       | GCTE15-18R                       | 10         | 33 Lbs.       |
| 24"               | GCC15-24R                   | 10         | 37 Lbs.       | GCTE15-24R                       | 10         | 35 Lbs.       |
| 36"               | GCC15-36R                   | 10         | 40 Lbs.       | GCTE15-36R                       | 10         | 38 Lbs.       |
| 42"               | GCC15-42R                   | 10         | 43 Lbs.       | GCTE15-42R                       | 10         | 41 Lbs.       |
| 54"               | GCC15-54R                   | 10         | 47 Lbs.       | GCTE15-54R                       | 10         | 44 Lbs.       |
| 78"               | GCC15-78R                   | 10         | 53 Lbs.       | GCTE15-78R                       | 10         | 50 Lbs.       |
| 96"               | GCC15-96R                   | 10         | 57 Lbs.       | GCTE15-96R                       | 10         | 55 Lbs.       |
| 120"              | GCC15-120R                  | 10         | 64 Lbs.       | GCTE15-120R                      | 10         | 61 Lbs.       |
| 144"              | GCC15-144R                  | 10         | 70 Lbs.       | GCTE15-144R                      | 10         | 67 Lbs.       |

### 21,000 Lbs. Minimum Ultimate Strength Rating

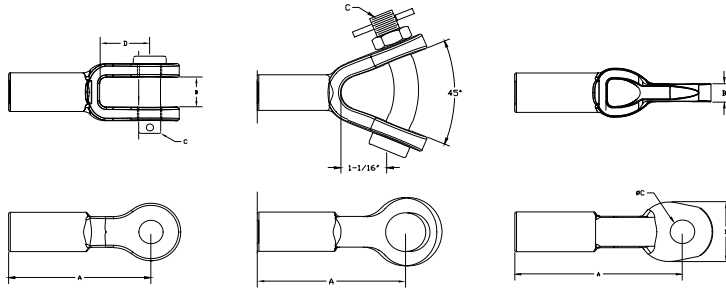
| Guy Strain Length | Part Number Clevis - Clevis | Carton Qty | Carton Weight | Part Number Clevis - Thimble Eye | Carton Qty | Carton Weight |
|-------------------|-----------------------------|------------|---------------|----------------------------------|------------|---------------|
| 12"               | GCC21-12R                   | 10         | 31 Lbs.       | GCTE21-12R                       | 10         | 33 Lbs.       |
| 18"               | GCC21-18R                   | 10         | 37 Lbs.       | GCTE21-18R                       | 10         | 35 Lbs.       |
| 24"               | GCC21-24R                   | 10         | 39 Lbs.       | GCTE21-24R                       | 10         | 36 Lbs.       |
| 36"               | GCC21-36R                   | 10         | 40 Lbs.       | GCTE21-36R                       | 10         | 37 Lbs.       |
| 42"               | GCC21-42R                   | 10         | 41 Lbs.       | GCTE21-42R                       | 10         | 41 Lbs.       |
| 54"               | GCC21-54R                   | 10         | 45 Lbs.       | GCTE21-54R                       | 10         | 44 Lbs.       |
| 60"               | GCC21-60R                   | 10         | 48 Lbs.       | GCTE21-60R                       | 10         | 46 Lbs.       |
| 78"               | GCC21-78R                   | 10         | 52 Lbs.       | GCTE21-78R                       | 10         | 50 Lbs.       |
| 90"               | GCC21-90R                   | 10         | 56 Lbs.       | GCTE21-90R                       | 10         | 53 Lbs.       |
| 96"               | GCC21-96R                   | 10         | 59 Lbs.       | GCTE21-96R                       | 10         | 55 Lbs.       |
| 120"              | GCC21-120R                  | 10         | 63 Lbs.       | GCTE21-120R                      | 10         | 61 Lbs.       |
| 144"              | GCC21-144R                  | 10         | 70 Lbs.       | GCTE21-144R                      | 10         | 67 Lbs.       |

### 30,000 Lbs. Minimum Ultimate Strength Rating

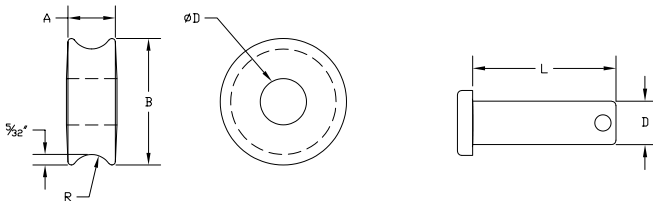
| Guy Strain Length | Part Number Clevis - Clevis | Carton Qty | Carton Weight | Part Number Clevis - Thimble Eye | Carton Qty | Carton Weight |
|-------------------|-----------------------------|------------|---------------|----------------------------------|------------|---------------|
| 24"               | GCC30-24R                   | 5          | 39 Lbs.       | GCTE30-24R                       | 5          | 35 Lbs.       |
| 36"               | GCC30-36R                   | 5          | 42 Lbs.       | GCTE30-36R                       | 5          | 37 Lbs.       |
| 42"               | GCC30-42R                   | 5          | 44 Lbs.       | GCTE30-42R                       | 5          | 39 Lbs.       |
| 54"               | GCC30-54R                   | 5          | 45 Lbs.       | GCTE30-54R                       | 5          | 41 Lbs.       |
| 78"               | GCC30-78R                   | 5          | 50 Lbs.       | GCTE30-78R                       | 5          | 46 Lbs.       |
| 96"               | GCC30-96R                   | 5          | 53 Lbs.       | GCTE30-96R                       | 5          | 51 Lbs.       |
| 120"              | GCC30-120R                  | 5          | 58 Lbs.       | GCTE30-120R                      | 5          | 56 Lbs.       |
| 144"              | GCC30-144R                  | 5          | 63 Lbs.       | GCTE30-144R                      | 5          | 62 Lbs.       |

## 36,000 Lbs. Minimum Ultimate Strength Rating

| Guy Strain Length | Part Number<br>Clevis - Clevis | Carton Qty | Carton Weight | Part Number<br>Clevis - Thimble Eye | Carton Qty | Carton Weight |
|-------------------|--------------------------------|------------|---------------|-------------------------------------|------------|---------------|
| 18"               | GCC36-18R                      | 5          | 38 Lbs.       | GCTE36-18R                          | 5          | 34 Lbs.       |
| 54"               | GCC36-54R                      | 5          | 45 Lbs.       | GCTE36-54R                          | 5          | 41 Lbs.       |
| 60"               | GCC36-60R                      | 5          | 46 Lbs.       | GCTE36-60R                          | 5          | 43 Lbs.       |
| 78"               | GCC36-78R                      | 5          | 50 Lbs.       | GCTE36-78R                          | 5          | 56 Lbs.       |
| 96"               | GCC36-96R                      | 5          | 56 Lbs.       | GCTE36-96R                          | 5          | 51 Lbs.       |
| 120"              | GCC36-120R                     | 5          | 57 Lbs.       | GCTE36-120R                         | 5          | 54 Lbs.       |
| 144"              | GCC36-144R                     | 5          | 63 Lbs.       | GCTE36-144R                         | 5          | 59 Lbs.       |



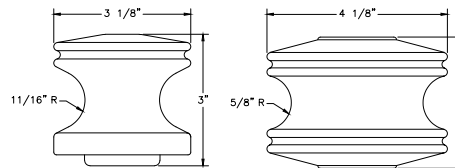
| Dimensions | Clevis (C) |          |        |        | Y-Clevis (YC) |         |         |         | Thimble-Eye (TE) |          |         |         |
|------------|------------|----------|--------|--------|---------------|---------|---------|---------|------------------|----------|---------|---------|
|            | 15000      | 21000    | 30000  | 36000  | 15000         | 21000   | 30000   | 36000   | 15000            | 21000    | 30000   | 36000   |
| A          | 4"         | 4"       | 6 1/2" | 6 1/2" | 4 1/8"        | 6 1/16" | 6 1/16" | 6 1/16" | 4 5/8"           | 4 15/16" | 7 1/4"  | 7 1/4"  |
| B          | 1 5/16"    | 1 15/16" | 1"     | 1"     |               |         |         |         | 1 7/32"          | 1 1/16"  | 1 3/16" | 1 3/16" |
| C          | 5/8"       | 5/8"     | 3/4"   | 3/4"   | 3/4"          | 3/4"    | 3/4"    | 3/4"    | 1 1/16"          | 1 1/16"  | 1 3/16" | 1 3/16" |
| D          | 1 3/8"     | 1 3/8"   | 2"     | 2"     |               |         |         |         | 1 5/8"           | 1 3/4"   | 2 3/8"  | 2 3/8"  |



| Part Number | Rating (Lbs.) | Roller |        |         |         | Part Number | Rating (Lbs.) | D    | L      | Part Number | Rating (Lbs.) | Pin Diameter |
|-------------|---------------|--------|--------|---------|---------|-------------|---------------|------|--------|-------------|---------------|--------------|
|             |               | A      | B      | D       | R       |             |               |      |        |             |               |              |
| R-17-5      | 15,000        | 3/4"   | 1 7/8" | 1 1/16" | 5/16"   | CP-5        | 15,000        | 5/8" | 2 1/8" | M-111-3A    | 15,000        | 5/8"         |
|             | 21,000        |        |        |         |         | CP-5-21     | 21,000        | 5/8" | 2 3/8" |             |               |              |
| R-24-6      | 30,000        | 27/32" | 2 3/8" | 1 3/16" | 1 3/32" | CP-6-30     | 30,000        | 3/4" | 2 1/2" | M-111-2A    | 30,000        | 3/4"         |
|             | 36,000        |        |        |         |         |             | 36,000        |      |        |             |               |              |

## SPOOL

- Made of porcelain, horizon glaze (light gray) is standard color
- Conforms to ANSI C29.3 standard; Class 53-2 (J101 & J151), Class 53-4 (J0101)



**J101 & J151 (Class 53-2)    J0101 (Class 53-4)**



| Part Number | Insulator Type | Bolt Dia. | Carton Qty | Carton Weight |
|-------------|----------------|-----------|------------|---------------|
| J101        | Dry Process    | 5/8"      | 50         | 62 Lbs.       |
| J151        | Wet Process    | 5/8"      | 50         | 63 Lbs.       |
| J0101       | Wet Process    | 5/8"      | 20         | 50 Lbs.       |

## NAILS

- Constructed of high quality steel, galvanized

| Part Number | Size         | Carton Qty | Carton Size    | Carton Weight |
|-------------|--------------|------------|----------------|---------------|
| SI-3100     | 3D x 1 1/4"  | 25000      | 10" x 10" x 7" | 50 Lbs.       |
| SI-3101     | 4D x 1 1/2"  | 14600      | 10" x 10" x 7" | 50 Lbs.       |
| SI-3102     | 6D x 2"      | 8400       | 10" x 10" x 7" | 50 Lbs.       |
| SI-3103     | 8D x 2 1/2"  | 4550       | 10" x 10" x 7" | 50 Lbs.       |
| SI-3104     | 10D x 3"     | 3400       | 10" x 10" x 7" | 50 Lbs.       |
| SI-3113     | 16D x 3 1/2" | 2250       | 10" x 10" x 7" | 50 Lbs.       |
| SI-3105     | 20D x 4"     | 1500       | 10" x 10" x 7" | 50 Lbs.       |
| SI-3106     | 30D x 4 1/2" | 1250       | 10" x 10" x 7" | 50 Lbs.       |
| SI-3107     | 40D x 5"     | 900        | 10" x 10" x 7" | 50 Lbs.       |
| SI-3108     | 50D x 5 1/2" | 700        | 10" x 10" x 7" | 50 Lbs.       |
| SI-3109     | 60D x 6"     | 550        | 10" x 10" x 7" | 50 Lbs.       |



## NUTS

### CONCAVE MF LOCKNUT

- When the arched surface contacts the top of the common nut or bearing surface, wrenching flattens the arch, deflecting the nut
- Deflects threads from their true helix causing them to firmly grip the bolt threads
- The nut takes a permanent set and must be wrenched for further movement
- Free-spinning square locknut that starts freely from either side and spins into place with fingers
- 1/2 to a full turn with a wrench will lock it securely
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Bolt Diameter | Carton Qty | Carton Weight |
|-------------|---------------|------------|---------------|
| J8581       | 3/8"          | 3,000      | 61 Lbs.       |
| J8582       | 1/2"          | 1,500      | 47 Lbs.       |
| J8583       | 5/8"          | 800        | 33 Lbs.       |
| J8584       | 3/4"          | 550        | 34 Lbs.       |
| J8584-1/2   | 7/8"          | 400        | 34 Lbs.       |



J8581

### SQUARE NUT

Bellcore Specification: 6445

- Manufactured in accordance with ANSI Specifications B18.2.2 and tapped Unified National Coarse Threads Series Class 2B after centrifugal hot-dip galvanizing, oversize for galvanized bolts and rods
- Considered safest to use by utility linemen
- Large wrenching surface
- Regular square nuts are used on all types of threaded bolts and insulator pins
- Heavy square nuts are used exclusively on anchor rods
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Alternate | Size  | Carton Qty | Carton Size               | Carton Weight |
|-------------|-----------|-------|------------|---------------------------|---------------|
| SI-5362     |           | 5/16" | 500        | 6" x 4" x 4"              | 8 Lbs.        |
| SI-5363     |           | 3/8"  | 500        | 6" x 4" x 4"              | 12 Lbs.       |
|             | J8561     | 3/8"  | 2500       | 12 3/4" x 8" x 7 1/2"     | 58 Lbs.       |
| SI-5364     |           | 1/2"  | 500        | 7" x 7" x 5"              | 26 Lbs.       |
|             | J8562     | 1/2"  | 1000       | 14 1/2" x 8" x 5 1/2"     | 52 Lbs.       |
| SI-5365     |           | 5/8"  | 250        | 7" x 7" x 5"              | 24 Lbs.       |
|             | J8563     | 5/8"  | 500        | 12 5/8" x 8 1/8" x 7 3/8" | 52 Lbs.       |
| SI-5366     |           | 3/4"  | 250        | 8" x 8" x 6"              | 31 Lbs.       |
|             | J8564     | 3/4"  | 250        | 12 1/2" x 8" x 5 1/2"     | 31 Lbs.       |
| J8564-1/2   |           | 7/8"  | 200        | 10 1/2" x 10 1/2" x 6"    | 26 Lbs.       |



## PLATES

### LIFT PLATE, FOR THIMBLEYE® BOLT

- Recommended for use behind the eyes of angle Thimbleye® bolts with lag screws to increase load capacity either where loads are excessive or guys are steep
- Distributes the load over a greater surface area protecting the wood pole against shear damage
- Measures 2½" x 7", curved on a 3" radius
- Plates has 7/8" x 1" oval hole
- Two screw holes are 9/16" diameter for ½" lags
- Constructed of high quality steel, hot-dip galvanized
- U.S. made version available



| Part Number | Thickness | Bolt Diameter | Carton Qty | Carton Weight |
|-------------|-----------|---------------|------------|---------------|
| J7890       | ¼"        | ¾"            | 50         | 64 Lbs.       |

### POLE PLATE

- Used to mark wood poles
- Constructed of aluminum, 0.080" thick



| Part Number | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|--------------|---------------|
| STD720336   | 200        | 7" x 7" x 5" | 6 Lbs.        |

### STRAIN PLATE

- Strain Plates are used for wrap type guying with J1019 guy hooks to provide a bearing surface for the strand, preventing damage to the wood fibers of the pole
- 2 - 4 plates are required per pole depending on its diameter
- Plate is 4" x 8" x 14 gauge, curved on a 5" radius with four 3/16" nail holes
- Constructed of high quality steel, hot-dip galvanized
- U.S. made version available

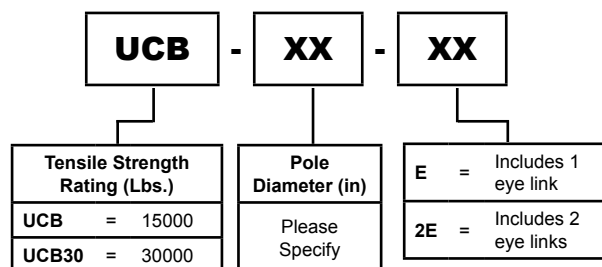


| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| J1034       | 100        | 83 Lbs.       |

## POLE BANDS

### LINK STYLE POLE BAND

- Provide an ideal product for guying and deadending to steel, wood or concrete poles (non-square) without the need for bolt holes in the pole.
- Will accommodate pole diameters from a minimum of 8" through a virtually unlimited maximum pole diameter
- Available in 15,000 Lbs. and 30,000 Lbs. Tensile Strength Rating
- Supplied with up to 4 links with connecting eye used for terminating points to deadend and guy
- One "CLP" clip included - allows a 4" take up adjustment of band assembly; additional CLP can be ordered for further adjustment
- Full and half links are available to order for additional adjustments
- Material:  
Links: Constructed of ductile iron, hot-dip galvanized  
Hardware: Constructed of high quality steel, hot-dip galvanized  
Cotter Key: Constructed of stainless steel
- U.S. made versions available



## MOUNTING BRACKET

- Mounting bracket is used with the UCB 15,000 Lbs. pole bands for mounting messenger suspension clamps in telecommunication construction applications
- Bracket has a  $\frac{3}{4}$ " tapped hole, a  $\frac{5}{8}$ " x  $3\frac{1}{2}$ " grade 5 hex head bolt with square nut, a  $\frac{1}{2}$ " x  $2\frac{1}{2}$ " grade 5 bolt with square nut and a  $\frac{1}{2}$ " diameter grade 5 clevis pin with cotter key

| Part Number | Size     | Carton Qty | Carton Weight |
|-------------|----------|------------|---------------|
| SF-TEL-8    | 4" x 8"  | 5          | 39 Lbs.       |
| SF-TEL-12   | 4" x 12" | 5          | 45 Lbs.       |
| SF-TEL-16   | 4" x 16" | 5          | 60 Lbs.       |



## PEL EYE LINK

| Part Number | Tensile Strength Ratings | Eye Hole Diameter | Carton Qty | Carton Weight |
|-------------|--------------------------|-------------------|------------|---------------|
| PEL-15      | 15,000 Lbs.              | $1\frac{5}{16}$ " | 25         | 56 Lbs.       |
| PEL-30      | 30,000 Lbs.              | $1\frac{5}{16}$ " | 15         | 65 Lbs.       |



## LINK

| Part Number | Tensile Strength Ratings | Clevis Pin Centers | Carton Qty | Carton Weight |
|-------------|--------------------------|--------------------|------------|---------------|
| P-1/2       | 15,000 Lbs.              | $1\frac{11}{16}$ " | 25         | 27 Lbs.       |
| P1/2-30     | 30,000 Lbs.              | $2\frac{3}{16}$ "  | 25         | 60 Lbs.       |
| P           | 15,000 Lbs.              | $3\frac{7}{16}$ "  | 25         | 35 Lbs.       |
| P-30        | 30,000 Lbs.              | $3\frac{7}{16}$ "  | 20         | 62 Lbs.       |



## CLP STYLE CLIP

- Clips provide a maximum of 4" adjustment

| Part Number | Tensile Strength Ratings | Carton Qty | Carton Weight |
|-------------|--------------------------|------------|---------------|
| CLP-2       | 15,000 Lbs.              | 5          | 12 Lbs.       |
| CLP30-2     | 30,000 Lbs.              | 5          | 45 Lbs.       |





## STRAP STYLE POLE BAND

- Designed to accommodate a wide range of distribution pole diameters.
- Each unit incorporates four (4)  $\frac{3}{4}$ " diameter studs and each band section has  $\frac{9}{16}$ " square holes for lag screws
- Ultimate Tensile Strength: 20,000 Lbs.
- Band Section:  $\frac{1}{4}$ " x 4" (except J6643 =  $\frac{5}{16}$ " x 3")
- Connecting Link Mounting Position: All Four Sides
- Material:
  - Links: Constructed of ductile iron, hot-dip galvanized
  - Hardware: Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available



| Part Number | Pole Diameter Range                    | Carton Qty | Carton Weight |
|-------------|--|------------|---------------|
| J6641       | 9 $\frac{1}{2}$ " - 13 $\frac{1}{2}$ " | 3          | 49 Lbs.       |
| J6643       | 7" - 9 $\frac{1}{2}$ "                 | 3          | 39 Lbs.       |
| J6644       | 8" - 11"                               | 3          | 45 Lbs.       |
| J6684       | 12" - 16"                              | 3          | 57 Lbs.       |

## CONNECTING LINK

- Each J6650 link consists of one pair (two halves)
- Constructed of high quality steel, hot-dip galvanized
- U.S. made version available



| Part Number | Overall Size                             | Hole Centers      | Hole Size         | Ultimate Strength | Carton Qty | Carton Weight |
|-------------|--|-------------------|-------------------|-------------------|------------|---------------|
| J6650       | $\frac{1}{4}$ " x 2" x 9 $\frac{1}{2}$ " | 7 $\frac{1}{2}$ " | $\frac{13}{16}$ " | 20,000 Lbs.       | 20         | 26 Lbs.       |

## GUY ROLLER

- Roller wire seat radius: 0.41", wire seat diameter: 2 $\frac{1}{16}$ "
- Constructed of high quality steel, hot-dip galvanized
- U.S. made version available



| Part Number | Overall Size      | Hole Centers      | Hole Size         | Carton Qty | Carton Weight |
|-------------|-------------------|-------------------|-------------------|------------|---------------|
| J6288       | 2 $\frac{3}{8}$ " | $\frac{13}{16}$ " | $\frac{13}{16}$ " | 50         | 35 Lbs.       |

## UNIVERSAL STYLE BAND

- Wrap-around type pole bands are ideal for deadending, guying and spare arm suspension assemblies
- Installs in minutes
- Assembled with one  $\frac{3}{4}$ " curved bolt and one J6277 cone head bolt
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available



| Part Number | Pole Diameter Range | Steel Size            | Carton Qty | Carton Weight |
|-------------|---------------------|-----------------------|------------|---------------|
| J6270       | 8" - 14"            | 4" x $\frac{3}{16}$ " | 2          | 29 Lbs.       |
| J6280       | 6" - 10"            | 4" x $\frac{3}{16}$ " | 2          | 23 Lbs.       |

## UNIVERSAL BAND ACCESSORY

- Cone head bolts are used to attach fittings to universal bands; installed from the inside of the band, the square shoulder fits into the rectangular band slots and the special head digs into the pole to counteract band slippage
- The J6157 clevis is designed to surround the 4" wide section of a universal pole band, developing great strength for deadending
- The deadend clevis is furnished complete with a  $\frac{3}{4}$ " bolt, square nut, concave locknut and a self-locking cotter pin
- Constructed of high quality steel, hot-dip galvanized



| Part Number | Description    | Steel Size                           | Carton Qty | Carton Weight |
|-------------|----------------|--------------------------------------|------------|---------------|
| J6157       | Deadend Clevis | 2 $\frac{1}{2}$ " x $\frac{3}{16}$ " | 25         | 75 Lbs.       |
| J6277       | Cone Head Bolt | $\frac{3}{4}$ " x 2 $\frac{1}{2}$ "  | 10         | 52 Lbs.       |

## GUY ATTACHMENT ASSEMBLY

- Each guy attachment assembly has a  $\frac{5}{8}$ " wide groove for a  $\frac{1}{2}$ " guy strand, and a  $\frac{13}{16}$ " through hole
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available



| Part Number | Type   | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| J6273       | Single | 15         | 33 Lbs.       |
| J6274       | Double | 5          | 31 Lbs.       |

## POLE GUARDS

### POLE GUARD

- Pole guards are fastened to the base of poles located at corners and other vulnerable spots to protect from vehicular damage
- Dimensions given are of the flat plate before bending on a  $7\frac{1}{2}$ " radius
- All holes are  $\frac{9}{16}$ " for mounting with  $\frac{1}{2}$ " screws
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Overall Size                | Carton Qty | Carton Weight |
|-------------|-----------------------------|------------|---------------|
| J1037       | 16" x 18" x $\frac{1}{8}$ " | 5          | 51 Lbs.       |



### POLE ROOF

- Pole roofs are designed to protect the most vulnerable part of the pole above ground
- Easily installed with 10 broad head galvanized nails included
- No danger of radio interference as with a metallic cap
- Material: long life non-metallic roofing material

| Part Number | Pole Diameter Range | Carton Qty | Carton Weight |
|-------------|---------------------|------------|---------------|
| J2108       | 5"- 8"              | 50         | 25            |



## POLE STEPS - PERMANENT

### POLE STEP, HOLLOW POLE

- For use with steel or composite poles
- All stainless steel design
- Rugged and reliable
- Mounts into a  $\frac{13}{16}$ " diameter hole
- Captive design prevents the dropping of loose parts during installation
- Keyed mounting plate provides positive alignment of pole step to pole
- Easy to install
- Patented

| Part Number | Type         | Pole Diameter | Pole Thickness          | Carton Qty | Carton Size    | Carton Weight |
|-------------|--------------|---------------|-------------------------|------------|----------------|---------------|
| SI-0040     | Standard     | 10" to 20"    | 7 gage, $\frac{3}{8}$ " | 20         | 12" x 12" x 7" | 39 Lbs.       |
| SI-0040S    | Deeper Plate | 6.5" to 10"   | .118" to .219"          | 20         | 12" x 12" x 7" | 41 Lbs.       |



## POLE STEP, WOOD POLE

- For use with wood poles
- Rugged and reliable
- Flat driving surface and fetter drive thread for easy and secure installation
- Knurled ring indicates proper driving depth
- Constructed of high quality steel, hot-dip galvanized



| Part Number | Alternate Part | Overall Size | Carton Qty | Carton Weight |
|-------------|----------------|--------------|------------|---------------|
| J1118       | SI-0042        | 5/8" x 10"   | 50         | 47 Lbs.       |
| J1118A*     |                | 5/8" x 10"   | 50         | 47 Lbs.       |

\* - Indicates diamond knurl step for increased footing traction

## POLE STEP, THRU-BOLT

- Constructed of high quality steel, hot-dip galvanized
- Rugged and reliable
- Curved washer to match the contour of the pole the step assembles to



| Part Number | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|---------------|---------------|
| SI-0037     | 20         | 22" x 9" x 6" | 46 Lbs.       |

## POLE STEPS - REMOVABLE

### REMOVABLE POLE STEP, WOOD POLE

- Removable pole steps prevent unauthorized climbing to the point on a pole where permanent steps are installed
- Special 9/16" x 4" fetter drive lag screw permanently attaches the mounting plate to the pole
- Twisting is prevented by a punched projection
- Nail hole is provided
- Can be hung from lineman's belt
- When attached, extension is 5 1/2"
- Constructed of high quality steel, hot-dip galvanized
- U.S. made version available



| Part Number | Alternate Part | Description            | Carton Qty | Carton Weight |
|-------------|----------------|------------------------|------------|---------------|
| J6235       |                | Pole plate & lag screw | 50         | 47 Lbs.       |
| J6236       | SI-0049        | Pole step              | 100        | 56 Lbs.       |



## REMOVABLE POLE STEP, HOLLOW POLE

- For use with SI-0048
- Constructed of high quality steel, hot-dip galvanized
- Rugged and reliable
- Easy to install
- Patented

| Part Number | Carton Qty | Carton Size    | Carton Weight |
|-------------|------------|----------------|---------------|
| SI-0047     | 20         | 12" x 12" x 7" | 15 Lbs.       |



## REMOVABLE POLE STEP MOUNTING ASSEMBLY

- For use with steel or composite poles
- Stainless steel design
- Rugged and reliable
- Mounts into a 1<sup>3</sup>/<sub>16</sub>" diameter hole
- Plate, nut, and washer are captive on pole step rod and cannot be removed
- Captive design prevents the dropping of loose parts during installation
- Keyed mounting plate provides positive alignment of pole step to pole
- Easy to install
- Patented

| Part Number | Type         | Pole Diameter | Pole Thickness | Carton Qty | Carton Size    | Carton Weight |
|-------------|--------------|---------------|----------------|------------|----------------|---------------|
| SI-0048     | Standard     | 10" to 20"    | 7 gage, 3/8"   | 20         | 12" x 12" x 7" | 30 Lbs.       |
| SI-0048S    | Deeper Plate | 10" to 13"    | .118" to .219" | 20         | 12" x 12" x 7" | 32 Lbs.       |



## REMOVABLE POLE STEP, COMPLETE

- Combines SI-0047 and SI-0048 or SI-0048S in one package
- For use with steel or composite poles
- Rugged and reliable
- Easy to install
- Patented

| Part Number | Type         | Pole Diameter | Pole Thickness | Carton Qty | Carton Size    | Carton Weight |
|-------------|--------------|---------------|----------------|------------|----------------|---------------|
| SI-0041     | Standard     | 10" to 20"    | 7 gage, 3/8"   | 20         | 14" x 14" x 9" | 45 Lbs.       |
| SI-0041S    | Deeper Plate | 10" to 13"    | .118" to .219" | 20         | 20" x 8" x 7"  | 50 Lbs.       |



## RACKS

### CABLE RACK SUPPORT

- Constructed of high strength carbon steel, hot-dip galvanized

| Part Number | Carton Qty | Carton Size     | Carton Weight |
|-------------|------------|-----------------|---------------|
| SI-2357     | 25         | 14" x 14" x 13" | 62 Lbs.       |



### RACK EXTENSION BRACKET

- Rack extension brackets are used to provide additional clearance between a secondary rack and the pole surface when necessary to clear obstructions or maintain proper wire alignment
- 2 brackets required for installation
- Curved to fit the pole and has 3 staggered holes to permit mounting with 5/8" bolt or two 1/2" lag screws
- 5/8" x 2" carriage bolt is furnished for attaching the rack
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Extension from Center of Pole | Carton Qty | Carton Weight |
|-------------|-------------------------------|------------|---------------|
| J2355       | 6"                            | 20         | 50 Lbs.       |
| J2357       | 9"                            | 10         | 32 Lbs.       |



## RACK SECONDARY BRACKET

- Exceeds strength specifications for both ANSI medium and heavy type
- Curved back fits snugly to the pole with a 3<sup>1</sup>/<sub>4</sub>" wide bearing surface
- Mounting slots on the extended styles are for 5/8" bolts
- Groove in the back will retain a 5/8" square nut, permitting the rack to be installed over existing bolts without disturbing present installations
- J101 or J151 insulators should be ordered separately
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Number of Wires | Wire Spacing | Overall Length | End Mounting Hole Spacing | Carton Qty | Carton Weight |
|-------------|-----------------|--------------|----------------|---------------------------|------------|---------------|
| J767        | 2               | 8"           | 18"            | 16"                       | 5          | 28 Lbs.       |
|             | 3               | 4"           |                |                           |            |               |
| J768        | 3               | 8"           | 26"            | 24"                       | 5          | 36 Lbs.       |
| J769        | 3               | 12"          | 34"            | 32"                       | 5          | 50 Lbs.       |
|             | 4               | 8"           |                |                           |            |               |



## UNDERGROUND RACK SUPPORT BRACKET

- Permits rack to be mounted at a 3<sup>5</sup>/<sub>8</sub>" clearance from the vault wall
- Top of bracket has a 9/16" x 3/4" hole, bottom has a 9/16" hole
- Constructed of 1" x 1/2" high quality steel, hot-dip galvanized

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| J5116       | 50         | 56 Lbs.       |



## UNDERGROUND CABLE RACK AND HOOK

- Underground cable racks and hooks are used for supporting cable runs in manholes and vaults
- J5120 series made from 3/16" x 9/16" x 1 1/2" hot rolled channel with T-slots for attaching hooks spaced at 1 1/2" intervals
- 8, 14, and 18 hole racks have 3/4" x 19/32" mounting slots at each end
- Mounting slots interlock so that two racks may be combined as one unit
- Cable hooks are formed with a generous radius to protect cable from damage
- Turned up ends to help prevent the cable or cable rack insulator from slipping off
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

## CABLE RACK

| Part Number | Overall Length | Mounting Hole Centers | No. of Holes | Carton Qty | Carton Weight |
|-------------|----------------|-----------------------|--------------|------------|---------------|
| J5124       | 15"            | 13 1/2"               | 8            | 25         | 35 Lbs.       |
| J5125       | 24"            | 22 1/2"               | 14           | 10         | 24 Lbs.       |
| J5126       | 30"            | 28 1/2"               | 18           | 10         | 30 Lbs.       |

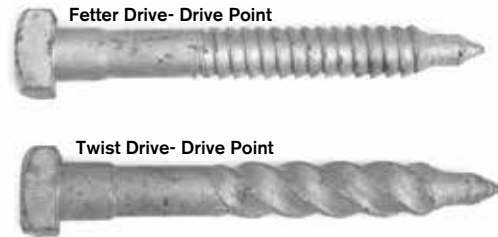
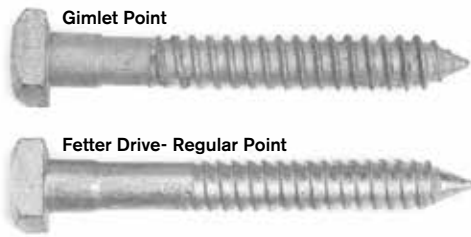


## CABLE HOOK

| Part Number | Extension from Face or Back | Carton Qty | Carton Weight |
|-------------|-----------------------------|------------|---------------|
| J5132A      | 7 1/2"                      | 50         | 46 Lbs.       |
| J5133A      | 10"                         | 40         | 46 Lbs.       |
| J5134A      | 14"                         | 25         | 48 Lbs.       |
| J5135A      | 18"                         | 15         | 38 Lbs.       |



## SCREWS



### DRIVE SCREW

- Fetter Drive and Twist Drive drive screws can either be wrenched or driven like a nail for speedier installation without sacrificing any of the holding strength of gimlet point regular threads; Gimlet Point drive screws are installed with a wrench
- All drive screws have rolled threads
- Twist Drive screws are furnished with a drive point for additional starting ease and accuracy
- Most Fetter Drive screws can be furnished with a drive point as well
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

Bellcore Specification: 6281

#### Twist Drive, Drive Point

| Part Number | Size          | Carton Qty | Carton Weight |
|-------------|---------------|------------|---------------|
| J8753TP     | 1/2" x 3"     | 250        | 44 Lbs.       |
| J8754TP     | 1/2" x 4"     | 250        | 56 Lbs.       |
| SI-0032     | 1/2" x 4 1/2" | 200        | 48 Lbs.       |
| SI-0033     | 1/2" x 6 1/2" | 100        | 33 Lbs        |

#### Fetter Drive, Drive Point

| Part Number | Alternate  | Size          | Carton Qty | Carton Weight |
|-------------|------------|---------------|------------|---------------|
| SI-6226     |            | 3/8" x 3"     | 500        | 46 Lbs.       |
|             | J8743P     | 3/8" x 3"     | 500        | 46 Lbs.       |
| SI-0031     |            | 3/8" x 4"     | 400        | 48 Lbs.       |
|             | J8744P     | 3/8" x 4"     | 250        | 33 Lbs.       |
| J8753P      |            | 1/2" x 3"     | 250        | 44 Lbs.       |
| SI-0036     |            | 1/2" x 4"     | 200        | 42 Lbs.       |
|             | J8754P     | 1/2" x 4"     | 250        | 57 Lbs.       |
| SI-6241     |            | 1/2" x 4 1/2" | 200        | 48 Lbs.       |
|             | J8754-1/2P | 1/2" x 4 1/2" | 200        | 48 Lbs.       |
| J8756P      |            | 1/2" x 6"     | 200        | 63 Lbs.       |
| SI-0034     |            | 5/8" x 6"     | 100        | 60 Lbs.       |

#### Fetter Drive, Regular Point

| Part Number  | Alternate | Size          | Carton Qty | Carton Weight |
|--------------|-----------|---------------|------------|---------------|
| J8652HH*     |           | 1/4" x 2"     | 1000       | 31 Lbs.       |
| J8652-1/2HH* |           | 1/4" x 2 1/2" | 1000       | 41 Lbs.       |
| SI-0029      |           | 1/4" x 2 1/2" | 1000       | 42 Lbs.       |
| SI-0030      |           | 5/16" x 3"    | 800        | 61 Lbs.       |
| J8742-1/2    |           | 3/8" x 2 1/2" | 500        | 41 Lbs.       |
| SI-6229      |           | 3/8" x 3"     | 600        | 53 Lbs.       |
| SI-6228      |           | 3/8" x 4"     | 500        | 64 Lbs.       |
| SI-6238      |           | 1/2" x 4"     | 250        | 59 Lbs.       |
|              | J8754     | 1/2" x 4"     | 250        | 59 Lbs.       |
| J8754-1/2    |           | 1/2" x 4 1/2" | 200        | 53 Lbs.       |
| J8765        |           | 5/8" x 5"     | 100        | 45 Lbs.       |

\* - indicates hex head

### LAG SCREW

- Constructed of high quality steel, hot-dip galvanized
- Provided with a gimlet point
- Additional sizes available upon request
- U.S. made versions available

Bellcore Specification: 6337

#### Gimlet Point

| Part Number | Alternate | Size           | Carton Qty | Carton Weight |
|-------------|-----------|----------------|------------|---------------|
| SI-6203     |           | 1/4" x 2"      | 1500       | 44 Lbs.       |
|             | J8722     | 1/4" x 2"      | 2000       | 52 Lbs.       |
| SI-6204     |           | 1/4" x 2 1/2"  | 1000       | 31 Lbs.       |
|             | J8722-1/2 | 1/4" x 2 1/2"  | 1000       | 31 Lbs.       |
| J8723       |           | 1/4" x 3"      | 1000       | 41 Lbs.       |
| SI-6035     |           | 5/16" x 1 1/2" | 500        | 27 Lbs.       |
| J8732*      |           | 5/16" x 2"     | 1000       | 41 Lbs.       |
| SI-6037     |           | 5/16" x 2 1/2" | 500        | 24 Lbs.       |
| SI-0039     |           | 5/16" x 3"     | 1100       | 74 Lbs.       |
| SI-0059     |           | 3/8" x 1 1/2"  | 1000       | 70 Lbs.       |
| SI-0058     |           | 3/8" x 1 3/4"  | 1000       | 75 Lbs.       |
| J8773       |           | 3/8" x 3"      | 500        | 31 Lbs.       |
| SI-6237     |           | 1/2" x 2"      | 250        | 28 Lbs.       |
| J8784       |           | 1/2" x 4"      | 250        | 59 Lbs.       |

\* - indicates hex head

## HEX HEAD LAG SCREW

- Constructed of grade 5 steel with dacromet finish
- Provided with a gimlet point
- Additional sizes available upon request

| Part Number | Overall Size   | Carton Qty | Carton Weight |
|-------------|----------------|------------|---------------|
| SI-6039     | 5/16" x 1 1/2" | 1000       | 40 Lbs.       |
| SI-6040     | 5/16" x 2"     | 600        | 25 Lbs.       |
| SI-6041     | 5/16" x 3"     | 600        | 34 Lbs.       |

| Part Number | Overall Size   | Carton Qty | Carton Weight |
|-------------|----------------|------------|---------------|
| SI-6039A*   | 5/16" x 1 1/2" | 1000       | 40 Lbs.       |
| SI-6040A*   | 5/16" x 2"     | 600        | 25 Lbs.       |
| SI-6041A*   | 5/16" x 3"     | 600        | 34 Lbs.       |

\* Constructed of high quality mild steel, zinc plated

## HEX HEAD LAG SCREW WITH NEOPRENE BACKED STEEL WASHER

- Hex head lag screws with steel/neoprene washers are ideal to secure plastic U-cable guards
- 9/16" steel washer is bonded with a neoprene washer on one side to provide a cushion between the plastic cable guard and the lag screw
- Lag screws have 7/16" hex heads and gimlet points/threads
- Constructed of high quality carbon steel to resist bending
- J26486.1 and J26486.2 hot-dip galvanized
- SI-6038 electro-zinc plated



| Part Number | Alternate | Size          | Carton Qty | Carton Weight |
|-------------|-----------|---------------|------------|---------------|
| SI-6038     | J26486.1  | 1/4" x 2"     | 500        | 25 Lbs.       |
| J26486.2    |           | 1/4" x 2 1/2" | 500        | 21 Lbs.       |

## SHACKLES

### ANCHOR SHACKLE

- Anchor shackles are used for attaching suspension insulators to towers, yokes and double arming plates
- Openings are enlarged to permit the use of two or more fittings
- Shackle material is 1/2" dia., with a 1 3/8" x 1 13/16" opening, with a 5/8" pin
- Constructed of high quality steel, hot-dip galvanized



| Part Number | Ultimate Strength | Carton Qty | Carton Weight |
|-------------|-------------------|------------|---------------|
| J2742       | 15,000 Lbs.       | 50         | 42 Lbs.       |

## SIDEWALK GUY

- These cast iron fittings are used with standard pipe near sidewalks and buildings where there is insufficient space for standard guying and where head clearance must be maintained
- SWGB-20-54 pole plate is mounted with one 5/8" bolt and two 1/2" lag screws
- SWG-20-5 end fitting clamps the strand
- SWG2-20-5 accommodates two guy wires
- The J0521 pole plate has four 9/16" holes for mounting with lag screws
- The J0522 end fitting requires a J931 guy clamp which must be ordered separately; The 5/8 x 2 1/2" track bolt replaces one of the 'outer' bolts of the J931 guy clamp.
- Constructed of ductile iron, hot-dip galvanized



SWG2-20-5



SWG-20-5

| Part Number | Description              | Wire Range    | Pipe Size   | Carton Qty | Carton Weight |
|-------------|--------------------------|---------------|-------------|------------|---------------|
| SWG2-20-5   | Double Clamp End Fitting | 5/16" - 9/16" | 2"          | 20         | 58 Lbs.       |
| SWG-20-5    | Clamp End Fitting        | 1/4" - 9/16"  | 2"          | 20         | 51 Lbs.       |
| SWGB-20-54  | Pole Plate               |               | 2"          | 20         | 47 Lbs.       |
| J0521       | Pole Plate               |               | 2" & 2 1/2" | 10         | 46 Lbs.       |
| J0522       | Clamp Bolt End Fitting   |               | 2" & 2 1/2" | 10         | 31 Lbs.       |



SWGB-20-54



J0522

## STAPLES

### STAPLE, CUT POINT

- Used to fasten ground wire and ground wire molding to structures
- Constructed from high quality steel and coated as required
- SI-101 and SI-110 are REA accepted
- SI-150 and SI-151 are ANSI Standard

| Part Number | Alternate | Finish             | Length x Inside Width x Wire Diameter | Carton Qty | Carton Weight |
|-------------|-----------|--------------------|---------------------------------------|------------|---------------|
| SI-103      |           | Copper Coated      | 1 1/4" x 3/16" x .114"                | 2500       | 25 Lbs.       |
| SI-100      |           | Copper Coated      | 1 3/8" x 1/2" x .162"                 | 2500       | 50 Lbs.       |
| J6652       |           | Copper Coated      | 1 1/2" x 3/8" x .148"                 | 50         | 51 Lbs.       |
| SI-101      |           | Copper Coated      | 1 1/2" x 3/8" x .162"                 | 2500       | 50 Lbs.       |
| J6653       | SI-102    | Copper Coated      | 2" x 1/4" x .162"                     | 50         | 51 Lbs.       |
| J6655       | SI-104    | Copper Coated      | 2" x 1/2" x .162"                     | 50         | 51 Lbs.       |
| J1672       |           | Mill Galvanized    | 1 1/2" x 1/4" x .148"                 | 50         | 51 Lbs.       |
| J1673       |           | Mill Galvanized    | 1 3/4" x 1/4" x .148"                 | 50         | 51 Lbs.       |
| SI-121      |           | Electro-Zinc       | 1 3/4" x 3/8" x .148"                 | 3300       | 66 Lbs.       |
| SI-122      |           | Electro-Zinc       | 2" x 1/2" x .162"                     | 2300       | 46 Lbs.       |
| SI-123      |           | Electro-Zinc       | 2 1/4" x 7/8" x 3/16"                 | 1200       | 48 Lbs.       |
| J1672G      | SI-110    | Hot-Dip Galvanized | 1 1/2" x 1/4" x .148"                 | 50         | 51 Lbs.       |
| J157        |           | Hot-Dip Galvanized | 2" x 1/2" x .162"                     | 2000       | 61 Lbs.       |
| SI-150      |           | Hot-Dip Galvanized | 2" x 1 1/16" x 3/16"                  | 100        | 4 Lbs.        |
| SI-151      |           | Hot-Dip Galvanized | 3" x 1 1/16" x 1/4"                   | 100        | 8 Lbs.        |
| SI-152      |           | Hot-Dip Galvanized | 3" x 1 1/2" x 1/4"                    | 50         | 4 Lbs.        |
| SI-153      |           | Hot-Dip Galvanized | 3 1/2" x 1 3/4" x 1/4"                | 50         | 4 Lbs.        |



### STAPLE, DIAMOND POINT

- Used to fasten ground wire and ground wire molding to structures
- Constructed from high quality steel and coated as required
- SI-182 is REA accepted

| Part Number | Alternate | Finish             | Length x Inside Width x Wire Diameter | Carton Qty | Carton Weight |
|-------------|-----------|--------------------|---------------------------------------|------------|---------------|
| SI-200      |           | Copper Coated      | 1" x 1/4" x .114"                     | 500        | 5 Lbs.        |
| J6493       | SI-201    | Copper Coated      | 1 1/4" x 1/4" x .114"                 | 5000       | 32 Lbs.       |
| J6494       | SI-202    | Copper Coated      | 1 1/2" x 3/16" x .144"                | 5000       | 62 Lb.        |
| J6495       | SI-203    | Copper Coated      | 1 3/4" x 3/8" x .144"                 | 5000       | 102 Lbs.      |
| J6496       | SI-204    | Copper Coated      | 2" x 1/2" x .162"                     | 1000       | 22 Lbs.       |
| J6490       | SI-173    | Copper Coated      | 2" x 5/8" x .162"                     | 1000       | 27 Lbs.       |
| J6521       |           | Copper Coated      | 2" x 1 1/16" x 3/16"                  | 1000       | 32 Lbs.       |
| SI-205      |           | Copper Coated      | 3" x 3/4" x 1/4"                      | 100        | 8 Lbs.        |
| J6522       |           | Copper Coated      | 3" x 1" x 1/4"                        | 700        | 58 Lbs.       |
| SI-182      |           | Copper Coated      | 3" x 1 1/16" x 1/4"                   | 100        | 8 Lbs.        |
| SI-206      |           | Copper Coated      | 3" x 1 1/2" x 1/4"                    | 100        | 8 Lbs.        |
| SI-210      |           | Electro-Zinc       | 1 1/2" x 1/4" x .120"                 | 100        | 1 Lbs.        |
| SI-211      |           | Electro-Zinc       | 1 1/2" x 3/8" x .148"                 | 100        | 1 Lbs.        |
| SI-212      |           | Electro-Zinc       | 1 3/4" x 3/8" x .148"                 | 100        | 2 Lbs.        |
| SI-213      |           | Electro-Zinc       | 2" x 1/2" x .162"                     | 100        | 2 Lbs.        |
| SI-171      |           | Electro-Zinc       | 2" x 5/8" x .162"                     | 100        | 3 Lbs.        |
| SI-172      |           | Electro-Zinc       | 2" x 5/8" x .187"                     | 100        | 3 Lbs.        |
| SI-214      |           | Electro-Zinc       | 2 1/4" x 25/32" x 3/16"               | 100        | 4 Lbs.        |
| SI-215      |           | Electro-Zinc       | 2 1/2" x 29/32" x 3/16"               | 100        | 4 Lbs.        |
| SI-216      |           | Electro-Zinc       | 3" x 3/4" x 1/4"                      | 100        | 7 Lbs.        |
| SI-181      |           | Electro-Zinc       | 3" x 1 1/16" x 1/4"                   | 100        | 8 Lbs.        |
| J172        | SI-141    | Hot-Dip Galvanized | 1 1/2" x 3/8" x .148"                 | 2500       | 37 Lbs.       |
| J173        | SI-142    | Hot-Dip Galvanized | 1 3/4" x 3/8" x .148"                 | 2500       | 55 Lbs.       |
| J156        | SI-143    | Hot-Dip Galvanized | 2" x 1/2" x .162"                     | 2500       | 67 Lbs.       |
| J7487HDG*   | SI-170    | Hot-Dip Galvanized | 2" x 5/8" x .162"                     | 1000       | 31 Lbs.       |
| J7488HDG*   |           | Hot-Dip Galvanized | 2" x 5/8" x 3/16"                     | 100        | 6 Lbs.        |
| J128        | SI-180    | Hot-Dip Galvanized | 3" x 1 1/16" x 1/4"                   | 500        | 46 Lbs.       |
| J142        |           | Hot-Dip Galvanized | 3" x 1 1/2" x 1/4"                    | 500        | 47 Lbs.       |
| J7487       |           | Electro-Galvanized | 2" x 5/8" x .162"                     | 1000       | 22 Lbs.       |
| J7488       |           | Electro-Galvanized | 2" x 5/8" x 3/16"                     | 1000       | 22 Lbs.       |
| J7491       |           | Electro-Galvanized | 2 1/2" x 29/32" x 3/16"               | 1000       | 42 Lbs.       |
| J7493       |           | Electro-Galvanized | 3" x 1 1/16" x 1/4"                   | 700        | 58 Lbs.       |



\* - indicates cut diamond point



## STAPLE, SQUARE SHANKED BARBED

- Used to fasten ground wire and ground wire molding to structures
- Stronger, resists bending better than traditional round wire staples
- Barbed shank provides increased retention in wood floors
- Constructed from high quality steel and coated as required



| Part Number | Finish             | Length x Inside Width x Wire Diameter | Carton Qty | Carton Weight |
|-------------|--------------------|---------------------------------------|------------|---------------|
| J7656       | Hot-Dip Galvanized | 1 1/2" x 3/8" x .131"                 | 3500       | 51 Lbs.       |
| J7657       | Hot-Dip Galvanized | 2" x 3/8" x .131"                     | 2600       | 51 Lbs.       |
| J7663       | Hot-Dip Galvanized | 2 1/4" x 1 3/16" x .218"              | 100        | 7 Lbs.        |
| J7664       | Hot-Dip Galvanized | 3" x 1 1/16" x .218"                  | 600        | 52 Lbs.       |
| J7672       | Hot-Dip Galvanized | 2" x 5/8" x .165"                     | 1600       | 53 Lbs.       |
| J7682       | Copper Coated      | 1 1/2" x 3/8" x .140"                 | 3000       | 50 Lbs.       |

## STRAPS

### LASHING STRAP

Bellcore Specification: 7169

- Used to strap CATV and telephone cable to steel strand in aerial construction
- Constructed of non-corrosive stainless steel
- Straps are .010" thickness x 3/4" wide and available in lengths from 10" to 78"
- Strap edges are processed to be smooth and free of burrs
- Used with SI-7512 Spacer



| Part Number | Length   |               | Maximum Assembly | Carton Qty | Carton Weight |
|-------------|----------|---------------|------------------|------------|---------------|
|             | Diameter | Circumference |                  |            |               |
| SI-7511-10  | 3/4"     | 10"           | 2 5/16"          | 500        | 14.5 Lbs.     |
| SI-7511-16  | 1 3/16"  | 16"           | 3 5/8"           | 500        | 20 Lbs.       |
| SI-7511-22  | 2"       | 22"           | 6 5/16"          | 300        | 16 Lbs.       |
| SI-7511-28  | 2 5/8"   | 28"           | 8 5/16"          | 500        | 34 Lbs.       |
| SI-7511-34  | 3 1/8"   | 34"           | 10"              | 200        | 18 Lbs.       |
| SI-7511-45  | 4"       | 45"           | 12 1/2"          | 200        | 21 Lbs.       |
| SI-7511-50  | 5"       | 50"           | 15 13/16"        | 200        | 23 Lbs.       |
| SI-7511-66  | 6 1/2"   | 66"           | 20 1/2"          | 200        | 29 Lbs.       |
| SI-7511-78  | 7 1/2"   | 78"           | 23"              | 300        | 55 Lbs.       |

### LASHING STRAP SPACER

- High Density Polyethylene, UV Stabilized

| Part Number | Height | Carton Qty | Carton Weight |
|-------------|--------|------------|---------------|
| SI-7512-025 | 0.25"  | 2000       | 17 Lbs.       |
| SI-7512-050 | 0.50"  | 2000       | 23 Lbs.       |
| SI-7512-075 | 0.75"  | 2000       | 38 Lbs.       |
| SI-7512-100 | 1.00"  | 1000       | 24 Lbs.       |
| SI-7512-125 | 1.25"  | 1000       | 30 Lbs.       |
| SI-7512-150 | 1.50"  | 1000       | 36 Lbs.       |
| SI-7512-175 | 1.75"  | 500        | 21 Lbs.       |
| SI-7512-200 | 2.00"  | 500        | 24 Lbs.       |
| SI-7512-225 | 2.25"  | 500        | 27 Lbs.       |
| SI-7512-250 | 2.50"  | 250        | 15 Lbs.       |
| SI-7512-275 | 2.75"  | 250        | 17 Lbs.       |
| SI-7512-300 | 3.00"  | 250        | 18 Lbs.       |
| SI-7512-325 | 3.25"  | 250        | 20 Lbs.       |



SI-7512-075

SI-7512-175

## REINFORCING STRAP

- Used in poleline construction as an added support for suspension clamps
- Constructed of high quality steel; SI-0088A & SI-0088B are mechanically plated, J7905 & J7908 are hot-dip galvanized
- U.S. made versions available



SI-0088A



J7905

| Part Number | Steel Size    | Offset | Hole Centers | Hole Size      | Carton Qty | Carton Size            | Carton Weight |
|-------------|---------------|--------|--------------|----------------|------------|------------------------|---------------|
| SI-0088A    | 1/8" x 1 1/2" | 2 1/8" | 5 7/8"       | 1 1/16"        | 100        | 8 1/2" x 8" x 4"       | 36 Lbs.       |
| SI-0088B    | 1/8" x 2"     | 2 1/8" | 5 7/8"       | 1 3/16"        | 100        | 11 1/2" x 11" x 5 1/2" | 48 Lbs.       |
| J7905       | 1/8" x 1 3/4" | 2 1/8" | 5 7/8"       | 5/8" & 1 1/16" | 100        | 12 1/2" x 8 1/2" x 7"  | 41 Lbs.       |
| J7908       | 1/8" x 2"     | 2 1/8" | 5 7/8"       | 5/8" & 1 1/16" | 100        | 12 1/2" x 8 1/2" x 7"  | 41 Lbs.       |

## WALL STRAP

- Wall straps are used for guying and deadending messenger strand to building walls
- J7692 is formed from 1 7/32" x 1 5/64" high quality steel, hot-dip galvanized
- J7692 is used to terminate strand at a right angle to the building wall
- A wire rope thimble is recommended to protect the strand when using a J7692 wall strap
- J7695 and J7696 terminate strand at the building corners
- J7695 and J7696 are made of 1 3/8" x 1 1/32" high quality steel, hot-dip galvanized, with a forged Thimbleye®
- J7695 has two mounting holes and the J7696 has three, they are 9/16" diameter and spaced 8" from center to center
- U.S. made versions available



J7695

| Part Number | Overall length | Carton Qty | Carton Weight |
|-------------|----------------|------------|---------------|
| J7692       | 8"             | 50         | 41 Lbs.       |
| J7695       | 16 7/8"        | 25         | 60 Lbs.       |
| J7696       | 24 3/8"        | 20         | 65 Lbs.       |

## STRUTS

### POLE/GUY SPREADER

- Two pole struts are used to help make a pole self-supporting where space is limited or the right of way is narrow and normal guying techniques cannot be used
- Struts are made of 2" x 9/16" x 3/16" channel, and the top support is made of 1" x 1/2" x 1/8" channel
- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

| Part Number | Description  | Projection from Pole | Carton Qty | Carton Weight |
|-------------|--------------|----------------------|------------|---------------|
| J0502       | Pole Strut   | 15"                  | 1          | 12 Lbs.       |
| J0503       | Guy Spreader | 36"                  | 1          | 23 Lbs.       |



## STUDS

### WASHER HEAD LAG STUD

- Used for light duty mounting of cable hangers and cable suspension clamps
- Stud end is manufactured with a forged square washer head and a roll threaded stud with assembled square nut
- Lag end has sharp rolled threads and a gimlet point
- Constructed of high quality steel, hot-dip galvanized



| Part Number | Lag Size      | Stud Size     | Carton Qty | Carton Weight |
|-------------|---------------|---------------|------------|---------------|
| J26315      | 7/8" x 5 1/2" | 5/8" x 1 1/2" | 40         | 48 Lbs.       |
| J9754       | 9/16" x 4"    | 1/2" x 1 3/8" | 100        | 42 Lbs.       |

## THIMBLES

### OPEN WIRE ROPE THIMBLE

- Provides a more desirable, larger wire seat diameter when terminating grips, deadend bails and cable to small diameter eye type fittings and bolts
- Constructed of high quality steel, hot-dip galvanized



| Part Number | Seat Diameter | Strand Diameter | Opening Width | Eye Length | Carton Qty | Carton Weight |
|-------------|---------------|-----------------|---------------|------------|------------|---------------|
| J1057       | 7/8"          | 3/8"            | 5/8"          | 1 7/8"     | 500        | 46 Lbs.       |
| J1058       | 1 1/8"        | 1/2"            | 3/4"          | 2"         | 250        | 45 Lbs.       |
| J1059       | 1 1/4"        | 5/8"            | 1 5/16"       | 2 7/32"    | 100        | 34 Lbs.       |

## WASHERS

### ROUND WASHER

- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

Bellcore Specification: 6150

| Part Number | Hole Diameter | Outside Diameter | Thickness | Carton Qty | Carton Size              | Carton Weight |
|-------------|---------------|------------------|-----------|------------|--------------------------|---------------|
| SI-9023     | 3/16"         | 9/16"            | 0.047"    | 100        | 2" x 2" x 2"             | 6 Lbs.        |
| SI-9024     | 1/4"          | 3/4"             | 0.063"    | 6400       | 12" x 9" x 5"            | 40 Lbs.       |
| SI-9061     | 3/8"          | 1"               | 0.083"    | 2500       | 14" x 10" x 8"           | 31 Lbs.       |
| J1084       | 7/16"         | 1"               | 0.083"    | 2500       | 9 1/2" x 9 1/2" x 7 1/2" | 51 Lbs.       |
| SI-9063     | 1/2"          | 1 3/8"           | 0.125"    | 200        | 6" x 4" x 4"             | 8 Lbs.        |
| J1086       | 9/16"         | 1 3/8"           | 0.109"    | 1000       | 8 1/2" x 8 1/4" x 6 1/2" | 28 Lbs.       |
| SI-9064     | 5/8"          | 1 3/4"           | 0.156"    | 200        | 6" x 4" x 4"             | 9 Lbs.        |
| J1088       | 1 1/16"       | 1 3/4"           | 0.134"    | 500        | 9" x 9" x 6"             | 31 Lbs.       |
| SI-9065     | 3/4"          | 2"               | 0.156"    | 100        | 4" x 4" x 4"             | 11 Lbs.       |
| J1089       | 1 3/16"       | 2"               | 0.148"    | 500        | 10" x 10" x 7"           | 51 Lbs.       |



### SINGLE COIL, SPRING LOCK WASHER

- Designed to ensure a tight fit by keeping the bolt and nut assembly in tension
- Constructed of high quality spring steel
- U.S. made versions available

| Part Number | Size Section  | For Bolt Diameter | Carton Qty | Carton Weight | Finish             |
|-------------|---------------|-------------------|------------|---------------|--------------------|
| J134        | .141" x .094" | 3/8"              | 5000       | 37 Lbs.       | Hot-dip galvanized |
| SI-900      | .141" x .094" | 3/8"              | 5000       | 40 Lbs.       | Zinc electro plate |
| J138        | .171" x .125" | 1/2"              | 2500       | 27 Lbs.       | Hot-dip galvanized |
| SI-901      | .171" x .125" | 1/2"              | 2500       | 40 Lbs.       | Zinc electro plate |
| J139        | .203" x .156" | 5/8"              | 2000       | 41 Lbs.       | Hot-dip galvanized |
| SI-921      | .203" x .156" | 5/8"              | 2500       | 68 Lbs.       | Zinc electro plate |
| J140        | .234" x .188" | 3/4"              | 1000       | 41 Lbs.       | Hot-dip galvanized |
| SI-903      | .234" x .188" | 3/4"              | 1000       | 46 Lbs.       | Zinc electro plate |



## DOUBLE COIL, SPRING LOCK WASHER

- Designed to compensate for wood shrinkage to help eliminate interference caused by loose hardware
- Constructed of high quality spring steel
- U.S. made versions available

| Part Number | Size Section  | For Bolt Diameter | Carton Qty | Carton Weight | Finish                    |
|-------------|---------------|-------------------|------------|---------------|---------------------------|
| J175        | .141" x .094" | 3/8"              | 3000       | 31 Lbs.       | Hot-dip galvanized        |
| J176        | .171" x .125" | 1/2"              | 1500       | 43 Lbs.       | Hot-dip galvanized        |
| SI-911      | .171" x .125" | 1/2"              | 250        | 13 Lbs.       | Zinc w/ yellow dichromate |
| J177        | .203" x .156" | 5/8"              | 750        | 39 Lbs.       | Hot-dip galvanized        |
| SI-912      | .203" x .156" | 5/8"              | 250        | 28 Lbs.       | Zinc w/ yellow dichromate |
| J178        | .234" x .188" | 3/4"              | 500        | 37 Lbs.       | Hot-dip galvanized        |
| SI-913      | .234" x .188" | 3/4"              | 250        | 32 Lbs.       | Zinc w/ yellow dichromate |



## SPRING FORMED, STEEL WASHER

- Spring formed steel washers are used to keep units in tension when wood crossarm or wood pole shrinkage occurs
- Designed to enable the nut of a bolt to seat flat on the spring washer surface when it is compressed
- J3539 provides 1/2" of compression, all of the others provide 9/16" of compression
- Constructed of high quality spring steel, hot-dip galvanized
- U.S. made versions available

| Part Number | Bolt Diameter | Material Size | Formed Length | Carton Qty | Carton Weight |
|-------------|---------------|---------------|---------------|------------|---------------|
| J3539       | 1/2"          | 3/16" x 1"    | 2 7/16"       | 250        | 63 Lbs.       |
| J3540       | 5/8"          | 1/4" x 1 3/4" | 3 3/4"        | 50         | 46 Lbs.       |
| J3541       | 3/4"          | 1/4" x 1 3/4" | 3 3/4"        | 50         | 43 Lbs.       |
| J3542       | 7/8"          | 1/4" x 1 3/4" | 3 3/4"        | 50         | 43 Lbs.       |
| J3543       | 1"            | 1/4" x 1 3/4" | 3 3/4"        | 50         | 44 Lbs.       |



## SQUARE FLAT WASHER

- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

Bellcore Specification: 6150

| Part Number | Alternate | .....Dimensions..... |        |           |         | Carton Qty | Carton Weight |
|-------------|-----------|----------------------|--------|-----------|---------|------------|---------------|
|             |           | Width                | Length | Thickness | Hole    |            |               |
| SI-9105     |           | 1.89"                | 1.89"  | 1/8"      | 3/4"    | 500        | 52 Lbs.       |
| J1073       |           | 2"                   | 2"     | 1/8"      | 9/16"   | 500        | 56 Lbs.       |
| J1074       | SI-9102   | 2"                   | 2"     | 1/8"      | 1 1/16" | 500        | 58 Lbs.       |
| J1075       | SI-9103   | 2 1/4"               | 2 1/4" | 3/16"     | 1 1/16" | 250        | 57 Lbs.       |
| J1076       | SI-9104   | 2 1/4"               | 2 1/4" | 3/16"     | 1 3/16" | 250        | 54 Lbs.       |
| J1078       | SI-9106   | 3"                   | 3"     | 3/16"     | 1 3/16" | 100        | 46 Lbs.       |
| J1079       |           | 3"                   | 3"     | 1/4"      | 1 3/16" | 50         | 32 Lbs.       |
| J1080       |           | 4"                   | 4"     | 3/16"     | 1 3/16" | 50         | 44 Lbs.       |
| J1082       |           | 4"                   | 4"     | 1/4"      | 1 5/16" | 50         | 56 Lbs.       |
| J1081       |           | 4"                   | 4"     | 1/2"      | 1 1/8"  | 25         | 54 Lbs.       |



## SQUARE CURVED WASHER

- Constructed of high quality steel, hot-dip galvanized
- U.S. made versions available

Bellcore Specification: 6150

| Part Number | Alternate | Dimensions |        |           |         | Carton Qty | Carton Weight |
|-------------|-----------|------------|--------|-----------|---------|------------|---------------|
|             |           | Width      | Length | Thickness | Hole    |            |               |
| SI-9000     |           | 2 1/4"     | 2 1/4" | 3/16"     | 1 1/16" | 200        | 47 Lbs.       |
|             | J6821     | 2 1/4"     | 2 1/4" | 3/16"     | 1 1/16" | 200        | 53 Lbs.       |
| J6822       |           | 2 1/2"     | 2 1/2" | 3/16"     | 1 1/16" | 150        | 48 Lbs.       |
| SI-9004     |           | 3"         | 3"     | 1/4"      | 1 1/16" | 100        | 62 Lbs.       |
|             | J113      | 3"         | 3"     | 1/4"      | 1 1/16" | 50         | 31 Lbs.       |
| J6823       |           | 3"         | 3"     | 1/4"      | 1 3/16" | 50         | 31 Lbs.       |
| J133        |           | 3 1/4"     | 3 1/4" | 1/4"      | 1 3/16" | 50         | 37 Lbs.       |
| SI-9010     |           | 3 1/2"     | 3 1/2" | 3/8"      | 7/8"    | 40         | 53 Lbs.       |
| J6828       |           | 3 1/2"     | 3 1/2" | 3/8"      | 1 5/16" | 25         | 31 Lbs.       |
| J6829       |           | 4"         | 4"     | 1/4"      | 1 5/16" | 50         | 55 Lbs.       |
| J6836       |           | 4"         | 4"     | 1/4"      | 1 3/16" | 50         | 56 Lbs.       |
| J6838       |           | 4"         | 4"     | 3/8"      | 1 3/16" | 25         | 42 Lbs.       |



## WIRE

### LASHING WIRE

- Used to support CATV and telephone cable to messenger strand in aerial construction
- Made from high strength non-corrosive stainless steel
- Wire is fully annealed and wax coated for ease of use

| Part Number | Wire Diameter | Coil Length | SS Type | Coils per Carton | Carton Weight |
|-------------|---------------|-------------|---------|------------------|---------------|
| SI-9603     | .045"         | 1200 ft.    | 430     | 6                | 40 Lbs.       |
| SI-9607     | .045"         | 1200 ft.    | 316     | 6                | 40 Lbs.       |
| SI-9609     | .045"         | 1200 ft.    | 302     | 6                | 40 Lbs.       |
| SI-9610     | .038"         | 1600 ft.    | 302     | 6                | 40 Lbs.       |



## WIRE FORMS

### DEADEND WIRE FORM

- For deadend applications with overhead or down guy wires
- Designed for all grades of galvanized guy wire: Extra-High Strength, High Strength, Utilities Grade and Bell System Strand
- Holding strength of 100% of the published rating for the strands noted

Material: B class galvanizing coating per ASTM A475

| Part Number | Strand Size | Item Length | Color Code | Carton Qty | Carton Weight |
|-------------|-------------|-------------|------------|------------|---------------|
| DE-S1104    | 1/4"        | 24"         | Yellow     | 100        | 42 Lbs.       |
| DE-S1106    | 5/16"       | 31"         | Black      | 60         | 40 Lbs.       |
| DE-S1107    | 3/8"        | 35"         | Orange     | 40         | 38 Lbs.       |
| DE-S1108    | 7/16"       | 38"         | Green      | 25         | 42 Lbs.       |

Material: Galfan®/Bezinal® coating

| Part Number | Strand Size | Item Length | Color Code | Carton Qty | Carton Weight |
|-------------|-------------|-------------|------------|------------|---------------|
| DE-S9104    | 1/4"        | 24"         | Yellow     | 50         | 23 Lbs.       |
| DE-S9106    | 5/16"       | 31"         | Black      | 30         | 24 Lbs.       |
| DE-S9107    | 3/8"        | 34"         | Orange     | 25         | 30 Lbs.       |
| DE-S2115    | 1/2"        | 44"         | Blue       | 10         | 25 Lbs.       |



## FALSE DEADEND WIRE FORM

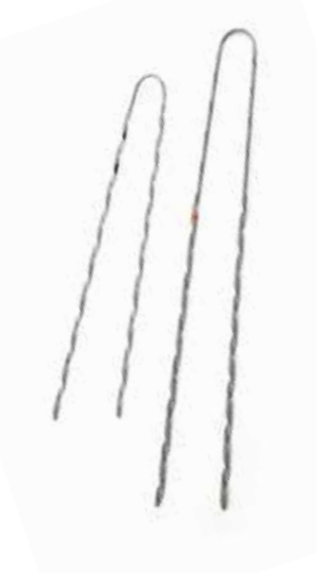
- Proven method of false deadending messenger guy strands
- Designed for all grades of galvanized guy wire: Extra-High Strength, High Strength, Utilities Grade
- Holding strength of 100% of the published rating for the strands noted

**Material: B class galvanizing coating per ASTM A475**

| Part Number | Strand Size | Item Length | Color Code | Carton Qty | Carton Weight |
|-------------|-------------|-------------|------------|------------|---------------|
| FDE-S1121   | 1/4"        | 36"         | Yellow     | 100        | 65 Lbs.       |
| FDE-S1123   | 5/16"       | 39"         | Black      | 50         | 47 Lbs.       |
| FDE-S1124   | 1/2"        | 42"         | Orange     | 40         | 49 Lbs.       |

**Material: Galfan®/Bezinal® coating**

| Part Number | Strand Size | Item Length | Color Code | Carton Qty | Carton Weight |
|-------------|-------------|-------------|------------|------------|---------------|
| FDE-S9121   | 1/4"        | 36"         | Yellow     | 25         | 14 Lbs.       |
| FDE-S9123   | 5/16"       | 39"         | Black      | 25         | 23 Lbs.       |
| FDE-S9124   | 1/2"        | 42"         | Orange     | 25         | 34 Lbs.       |



## SPLICE WIRE FORM

- Used to join galvanized steel wire: Extra-High Strength, High Strength, Utilities Grade and Bell System Strand
- Holding strength of 100% of the published rating for the strands noted

**Material: Galfan®/Bezinal® coating**

| Part Number | Strand Size | Item Length | Color Code | Carton Qty | Carton Weight |
|-------------|-------------|-------------|------------|------------|---------------|
| LS-S9104    | 1/4"        | 27"         | Yellow     | 50         | 45 Lbs.       |
| LS-S9106    | 5/16"       | 42"         | Black      | 50         | 56 Lbs.       |
| LS-S9107    | 3/8"        | 50"         | Orange     | 25         | 37 Lbs.       |
| LS-S9108    | 7/16"       | 56"         | Green      | 25         | 46 Lbs.       |
| LS-S9109    | 1/2"        | 63"         | Blue       | 10         | 25 Lbs.       |



## WIRE HOLDERS

### NYLON ALLOY WIRE HOLDER

- Insulator size: 1 3/8" Sq. x 2 7/16" long with a 7/8" x 1 1/16" opening
- Eliminates breaking and chipping problems associated with porcelain
- Flat top features an "egg carton" design for indexing and engagement into supplied installing tool for use with a 1/2" drive cordless drill
- Material: Wire Holder - Nylon alloy with reinforced fibers, UV stabilized  
Screw - High quality steel, hot-dip galvanized
- U.S. made versions available



| Part Number | Lag Screw Diameter | Nylon Color | Screw Length | Carton Qty | Carton Weight |
|-------------|--------------------|-------------|--------------|------------|---------------|
| J089Z       | 1 1/32" (#22)      | Black       | 2 1/4"       | 50         | 13 Lbs.       |
| J0893Z      | 1 1/32" (#22)      | Black       | 3"           | 50         | 14 Lbs.       |
| J0894Z      | 1 1/32" (#22)      | Black       | 4"           | 50         | 15 Lbs.       |
| J089ZG      | 1 1/32" (#22)      | Gray        | 2 1/4"       | 50         | 13 Lbs.       |
| J0893ZG     | 1 1/32" (#22)      | Gray        | 3"           | 50         | 14 Lbs.       |
| J0894ZG     | 1 1/32" (#22)      | Gray        | 4"           | 50         | 15 Lbs.       |

### SERVICE MAST, NYLON ALLOY

- Open slot for the bracket to be installed without disassembling the bolts
- Accommodates a range of 1 1/4" through 3" diameter pipe
- Dimensions of the nylon alloy insulator are the same as shown for the J089Z wire holders
- Material: Wire Holder - Nylon alloy with reinforced fibers, UV stabilized  
Clamp and Hardware - High quality steel, hot-dip galvanized
- U.S. made versions available



| Part Number | Nylon Color | Carton Qty | Carton Weight |
|-------------|-------------|------------|---------------|
| J0588Z      | Black       | 25         | 28 Lbs.       |
| J0588ZG     | Gray        | 25         | 29 Lbs.       |

**MacLean Senior Industries (MSI) Drop Hardware is engineered and manufactured to meet today's telephone and cable systems needs of offering more bandwidth intensive, two-way applications.** MSI's Digital Drop System (DDS) Hardware is an integrated sequence of products from the tap to the subscriber's home, that is backed with installation training and support to assure the most cost effective and trouble free drop installation. Mechanical plating is per ASTM B695. Hot-dip galvanizing is per ASTM A153.

For technical support, installation information and special requirements please contact our Inside Sales Team at: 1-800-350-1650, or via e-mail at: sales@macleansenior.com

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## ANCHORS

### PLASTIC ANCHOR

- Used to retain screws in wallboard or concrete walls

| Part Number | Screw Size | Drill Size | Length | Bag Qty | Carton Qty | Carton Size     | Carton Weight |
|-------------|------------|------------|--------|---------|------------|-----------------|---------------|
| SI-00E6     | #8-12      | 1/4"Ø      | 1 1/4" | 1000    | 10,000     | 12" x 13" x 13" | 16 Lbs.       |
| SI-00E8     | #12-16     | 5/16"Ø     | 1 1/2" | 1000    | 10,000     | 17" x 14" x 15" | 30 Lbs.       |
| SI-00E9     | #8-10      | 3/16"Ø     | 1"     | 100     | 25,000     | 19" x 14" x 10" | 21 Lbs.       |

SI-00E9



SI-00E6



SI-00E8



### PLASTIC ANCHOR KIT

- Consists of: corrosion resistant zinc plated steel screws, high quality plastic wall anchors, and one carbide drill bit
- Kit comes with a reusable clear plastic box



| Part Number | Items in Kit                         | Kit Qty | Carton Qty | Carton Size          | Kit Weight | Carton Weight |
|-------------|--------------------------------------|---------|------------|----------------------|------------|---------------|
| SI-SK-8     | 100-D 10 Plastic Anchors             | 100     | 50         | 19" x 19" x 15"      | 0.62 Lbs.  | 32 Lbs.       |
|             | 100-#8 x 1" Slot Hex Tapping Screws  | 100     |            |                      |            |               |
|             | 1 3/16" x 4" Masonry Drill Bit       | 1       |            |                      |            |               |
| SI-SK-10    | 100-D 12 Plastic Anchors             | 100     | 50         | 7" x 3 1/2" x 1 1/2" | 0.62 Lbs.  | 52 Lbs.       |
|             | 100-#10 x 1" Slot Hex Tapping Screws | 100     |            |                      |            |               |
|             | 1 1/4" x 4" Masonry Drill Bit        | 1       |            |                      |            |               |

### DRYWALL ANCHOR, SELF-DRILLING

- Used with #8 sheet metal screws
- Can be easily backed out
- Deep thread provides engagement in 3/8", 1/2" and 5/8" thick drywall
- No predrilling necessary

| Part Number | Screw Size  | Grip Range   | Min. Thread Length | Bag Qty | Carton Qty | Carton Size    | Carton Weight |
|-------------|-------------|--------------|--------------------|---------|------------|----------------|---------------|
| SI-00E7     | #8 x 1 1/2" | 3/8" to 5/8" | 1 1/2"             | 1000    | 10,000     | 14" x 14" x 8" | 32 Lbs.       |



## BRACKETS

### CORNER WALL BRACKET

- Used to deadend messenger drop cable at the building
- Constructed of high quality steel, mechanically plated

#### A Qualified DDS Item

| Part Number | Oval Retainer | Carton Qty | Carton Size  | Carton Weight |
|-------------|---------------|------------|--------------|---------------|
| SI-0064     | No            | 50         | 9" x 7" x 6" | 16 Lbs.       |
| SI-0064R    | Yes           | 50         | 9" x 7" x 6" | 16.5 Lbs.     |



### 3/4" GROUND BRACKET

- Used to secure a tap to an MDU box or a pedestal
- Constructed of high quality steel, mechanically plated for durability

#### A Qualified DDS Item

| Part Number | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|--------------|---------------|
| SI-0013     | 100        | 9" x 7" x 6" | 13.5 Lbs.     |



## CABLE TIES

- Used to support drop cables on the strand, pedestal, lock box, or bundling of cables at the head end
- Reusable with integral buckle
- Made of soft aluminum
- Smooth edges to prevent damage to cable

#### A Qualified DDS Item

| Part Number | Size       | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|------------|---------------|---------------|
| SI-0939-7   | 7" x 1/4"  | 1000       | 9" x 5" x 5"  | 6 Lb.         |
| SI-0939-10  | 10" x 1/4" | 1000       | 9" x 5" x 5"  | 9 Lb.         |
| SI-0939-12  | 12" x 1/4" | 1000       | 16" x 8" x 6" | 11 Lbs.       |

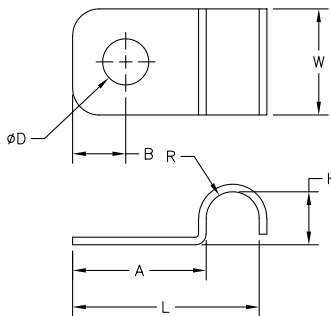


## CLAMPS

### CABLE CLAMP

Bellcore Specification: 6933

- Used to support cable, conduit or pipe to buildings and other surfaces
- Constructed of high quality steel, mechanically plated



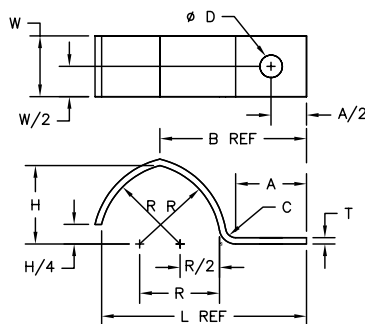
| Part Number | Dimensions |      |       |      |      |      |     | Package Qty | Carton Qty | Carton Size            | Carton Weight. |
|-------------|------------|------|-------|------|------|------|-----|-------------|------------|------------------------|----------------|
|             | (H)        | (R)  | (L)   | (W)  | (A)  | (D)  | (B) |             |            |                        |                |
| SI-6934-3   | .188       | .094 | .724  | .500 | .63  | .218 | .25 | 500         | 4000       | 10 1/4" x 10 1/4" x 8" | 21 Lbs.        |
| SI-6934-4   | .250       | .125 | .880  | .500 | .63  | .218 | .25 | 500         | 2000       | 10 1/4" x 10 1/4" x 8" | 12 Lbs.        |
| SI-6934-5   | .312       | .156 | .942  | .500 | .63  | .218 | .25 | 500         | 2000       | 10 1/4" x 10 1/4" x 8" | 15 Lbs.        |
| SI-6934-6   | .375       | .188 | 1.005 | .500 | .63  | .218 | .25 | 500         | 2000       | 10 1/4" x 10 1/4" x 8" | 20 Lbs.        |
| SI-6934-7   | .438       | .219 | 1.068 | .500 | .63  | .218 | .25 | 500         | 2000       | 10 1/4" x 10 1/4" x 8" | 23 Lbs.        |
| SI-6934-8   | .500       | .250 | 1.130 | .500 | .63  | .218 | .25 | 250         | 1000       | 10 1/4" x 10 1/4" x 8" | 14 Lbs.        |
| SI-6934-9   | .563       | .282 | 1.193 | .500 | .63  | .218 | .25 | 100         | 1600       | 10 1/4" x 10 1/4" x 8" | 22 Lbs.        |
| SI-6934-10  | .625       | .313 | 1.255 | .500 | .63  | .218 | .25 | 50          | 800        | 10 1/4" x 10 1/4" x 8" | 13 Lbs.        |
| SI-6934-12  | .750       | .375 | 1.500 | .750 | .75  | .281 | .30 | 100         | 400        | 10 1/4" x 10 1/4" x 8" | 15 Lbs.        |
| SI-6934-16  | 1.000      | .500 | 1.870 | .750 | .87  | .281 | .35 | 50          | 200        | 10 1/4" x 10 1/4" x 8" | 8 Lbs.         |
| SI-6934-18  | 1.125      | .562 | 1.995 | .875 | .87  | .281 | .35 | 50          | 200        | 10 1/4" x 10 1/4" x 8" | 17 Lbs.        |
| SI-6934-20  | 1.250      | .625 | 2.250 | .875 | 1.00 | .281 | .40 | 25          | 100        | 10 1/4" x 10 1/4" x 8" | 9 Lbs.         |



## CABLE CLAMP

Bellcore Specification: 6933

- Used to support cable, conduit or pipe to buildings and other surfaces
- Constructed of high quality steel, mechanically plated



| Part Number | Dimensions |       |      |      |       |       |       |      | Package Qty | Carton Qty | Carton Size            | Carton Weight |
|-------------|------------|-------|------|------|-------|-------|-------|------|-------------|------------|------------------------|---------------|
|             | (A)        | (B)   | (C)  | (D)  | (H)   | (L)   | (R)   | (W)  |             |            |                        |               |
| SI-6933-1   | .312       | .444  | .031 | .203 | .093  | .514  | .093  | .312 | 10          | 20000      | 16" x 16" x 16"        | 30 Lbs.       |
| SI-6933-3   | .312       | .528  | .031 | .203 | .188  | .669  | .188  | .312 | 10          | 10000      | 12" x 12" x 8"         | 25 Lbs.       |
| SI-6933-4   | .312       | .605  | .062 | .203 | .250  | .792  | .250  | .500 | 50          | 3000       | 14" x 5" x 6"          | 16 Lbs.       |
| SI-6933-6   | .438       | .802  | .062 | .265 | .344  | 1.060 | .344  | .500 | 50          | 5000       | 12" x 12" x 8"         | 34 Lbs.       |
| SI-6933-8   | .438       | .872  | .062 | .280 | .438  | 1.200 | .438  | .750 | 50          | 3000       | 12" x 12" x 8"         | 37 Lbs.       |
| SI-6933-10  | .500       | 1.091 | .125 | .280 | .563  | 1.513 | .563  | .750 | 25          | 2000       | 12" x 12" x 8"         | 40 Lbs.       |
| SI-6933-13  | .625       | 1.372 | .125 | .280 | .750  | 1.934 | .750  | .750 | 20          | 1500       | 12" x 12" x 8"         | 40 Lbs.       |
| SI-6933B-13 | .813       | 1.344 | .125 | .280 | .344  | 1.741 | .344  | .687 | 20          | 800        | 13 1/2" x 10" x 5 1/2" | 22 Lbs.       |
| SI-6933-17  | .875       | 1.828 | .125 | .280 | .938  | 2.578 | 1.000 | .750 | 25          | 1000       | 12" x 12" x 8"         | 60 Lbs.       |
| SI-6933-21  | 1.188      | 2.412 | .125 | .280 | 1.250 | 3.396 | 1.312 | .750 | 10          | 500        | 12" x 12" x 8"         | 63 Lbs.       |
| SI-6933-25  | 1.188      | 2.564 | .125 | .280 | 1.566 | 3.763 | 1.530 | .750 | 10          | 500        | 14" x 14" x 8"         | 63 Lbs.       |
| SI-6933-30  | 1.188      | 2.740 | .125 | .280 | 1.688 | 4.052 | 1.750 | .750 | 10          | 500        | 12" x 12" x 8"         | 69 Lbs.       |
| SI-6933-35  | 1.325      | 3.209 | .125 | .280 | 2.062 | 4.803 | 2.125 | .750 | 10          | 300        | 12" x 12" x 8"         | 50 Lbs.       |

## DUAL CABLE CLAMP

- For use with 1/8" diameter cable or wire
- Constructed of high quality steel, mechanically plated

| Part Number | Carton Qty | Carton Size              | Carton Weight |
|-------------|------------|--------------------------|---------------|
| SI-0987D    | 1000       | 8 1/4" x 8 1/4" x 5 1/2" | 5.5 Lbs.      |



## PLASTIC CABLE CLAMP

- Secures cable to wood, masonry or metal surfaces
- Made of black nylon

| Part Number | Inner Diameter | Clamp Mounting Hole Size | Carton Qty | Carton Size  | Carton Weight |
|-------------|----------------|--------------------------|------------|--------------|---------------|
| SI-0936     | 1/2"           | 1 1/64"                  | 100        | 4" x 4" x 4" | 1 Lb.         |
| SI-0937     | 3/4"           | 1 1/64"                  | 100        | 6" x 4" x 4" | 1 Lb.         |
| SI-0938     | 7/8"           | 1 1/64"                  | 100        | 6" x 4" x 4" | 1 Lb.         |



## DROP POLE CLAMP

- Used to suspend messengered drop cable at service pole while keeping the messenger strand wire intact for bonding purposes
- Retainer ring provides 1" diameter wrap to secure the messenger wire
- Constructed of high quality steel, mechanically plated

### A Qualified DDS Item

| Part Number | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|---------------|---------------|
| SI-0975     | 100        | 14" x 5" x 6" | 20 Lbs.       |



## DROP WIRE CLAMP

- Used to strain relieve telephone drop wire
- Designed to be used to support 1 through 6 pair drop wires
- Removable
- Stainless steel or aluminum construction, metal or plastic shim
- 3 piece or 2 piece (captive shim) construction



Patented captive shim design prevents incorrect installation

| Part Number | Alternate | Material        | Shim Removable | Shim Material   | Number of Pairs/Clamp | Carton Qty | Carton Size       | Carton Weight |
|-------------|-----------|-----------------|----------------|-----------------|-----------------------|------------|-------------------|---------------|
| SI-0956     |           | Stainless Steel | Removable      | Stainless Steel | 2                     | 250        | 9½" x 8¼" x 7½"   | 23 Lbs.       |
|             | 2PRMS-25  | Stainless Steel | Removable      | Stainless Steel | 2                     | 500        | 17½" x 11¾" x 7½" | 46 Lbs.       |
| SI-0956P    |           | Stainless Steel | Removable      | Plastic         | 2                     | 250        | 9½" x 8¼" x 7½"   | 22 Lbs.       |
| SI-0957     |           | Stainless Steel | Removable      | Plastic         | 1                     | 250        | 9½" x 8¼" x 7½"   | 22 Lbs.       |
| SI-0959     |           | Aluminum        | Removable      | Aluminum        | 2                     | 250        | 10½" x 8½" x 6½"  | 17 Lbs.       |
| SI-0959P    |           | Aluminum        | Removable      | Plastic         | 2                     | 250        | 18¾" x 8½" x 8½"  | 22 Lbs.       |
| SI-0961     |           | Stainless Steel | Captive        | Stainless Steel | 2                     | 250        | 19" x 9" x 5"     | 24 Lbs.       |
| SI-0965     |           | Stainless Steel | Captive        | Stainless Steel | 3                     | 200        | 19" x 9" x 5"     | 22 Lbs.       |
| SI-0966     |           | Stainless Steel | Removable      | Stainless Steel | 6                     | 200        | 13" x 11" x 8"    | 34 Lbs.       |
|             | 6PRDS     | Stainless Steel | Removable      | Stainless Steel | 6                     | 200        | 12" x 11" x 9"    | 34 Lbs.       |
| SI-0968     |           | Stainless Steel | Captive        | Stainless Steel | 6                     | 200        | 19" x 9" x 5"     | 34 Lbs.       |

## FIBER DROP WIRE CLAMP

- Used to strain relieve fiber drop cable
- Premium stainless steel construction
- Patented
- SI-0972 withstands 200 Lbs. of tensile force when used with Sumitomo elliptical fiber optic cable
- SI-0972SBL withstands 450 Lbs. of tensile force when used with Corning SST, Superior Essex, Corning ROC, and TE flat drop fiber optic cable
- SI-0972SBC withstands 450 Lbs. of tensile force when used with Commscope Arid-Core flat drop fiber optic cable
- SI-0966PS withstands 800 Lbs. of tensile force when used with Sumitomo PureFit 36 fiber optic cable



| Part Number | Cable Channel Cross Section | Carton Qty | Carton Size     | Carton Weight |
|-------------|-----------------------------|------------|-----------------|---------------|
| SI-0972     |                             | 100        | 13¾" x 5" x 5½" | 14 Lbs.       |
| SI-0972SBL  | .320" W x .200" H           | 250        | 12" x 8" x 11"  | 23 Lbs.       |
| SI-0972SBC  | .320" W x .200" H           | 250        | 12" x 8" x 11"  | 23 Lbs.       |
| SI-0966PS   | .600" W x .300" H           | 200        | 13" x 11" x 8"  | 34 Lbs.       |

## MESSENGER DROP CLAMP

- Used to support messenger drop cable between the pole, mid-span and house
- Accepts RG 6, RG 6Q, RG 11 and RG 59, with .061" or .072" diameter messenger wire
- Stainless steel wire, aluminum body
- 500 Lbs. pull capacity
- SI-0969HD heavy duty model for long drops or where high loading conditions are required
- Available with insulator adapter
- Patented



### A Qualified DDS Item

| Part Number  | Carton Qty | Carton Size     | Carton Weight |
|--------------|------------|-----------------|---------------|
| SI-0969      | 100        | 9" x 7" x 7"    | 5 Lbs.        |
| SI-0969HD    | 400        | 14" x 14" x 9"  | 29 Lbs.       |
| SI-0969INS   | 100        | 9½" x 9½" x 7½" | 7 Lbs.        |
| SI-0969INS-1 | 2000       | 14" x 14" x 10" | 28 Lbs.       |

## SPAN CLAMP

- Used for mid-span drop wire take-offs
- Will hold cable away from obstacles in the line of aerial drops

### C SPAN CLAMP

- Designed for 1/4" to 3/8" messenger strand
- Bolt/hook is made of high quality steel, mechanically plated
- Plates are constructed of 1/4" aluminum

| Part Number | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|---------------|---------------|
| SI-0952     | 100        | 10" x 9" x 7" | 24 Lbs.       |



### E SPAN CLAMP

- Used for mid-span drop wire take-offs
- Will hold cable away from obstacles in the line of aerial construction
- Designed for 1/4" to 5/16" steel strand
- Constructed of high quality steel, hot-dip galvanized

Bellcore Specification: 8391

| Part Number | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|--------------|---------------|
| SI-0024     | 50         | 9" x 6" x 5" | 22 Lbs.       |



### O SPAN CLAMP

- Designed for 1/4" to 3/8" steel strand
- Bolt is made of high quality steel, mechanically plated
- Plates are constructed of 1/4" aluminum

| Part Number | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|--------------|---------------|
| SI-0514     | 100        | 9" x 6" x 5" | 22 Lbs.       |



### Q SPAN CLAMP

- Designed for 1/4" to 5/16" steel strand
- Constructed of high quality steel, mechanically plated

#### A Qualified DDS Item

| Part Number | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|---------------|---------------|
| SI-0513MB   | 80         | 13" x 6" x 6" | 16 Lbs.       |

| Part Number | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|---------------|---------------|
| SI-0513     | 120        | 14" x 5" x 6" | 22 Lbs.       |



### MULTI-SPAN CLAMP

- Designed for 1/4" messenger strand
- Provides fast, easy mid-span take-offs for service drops
- Multi-directional span clamp
- Constructed of high quality steel, mechanically plated

#### A Qualified DDS Item

| Part Number | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|---------------|---------------|
| SI-0515     | 100        | 14" x 5" x 6" | 17 Lbs.       |
| SI-0515MB   | 120        | 14" x 5" x 6" | 22 Lbs.       |
| SI-0515GC   | 100        | 14" x 5" x 6" | 18 Lbs.       |



### STANDARD SPAN CLAMP

- Designed for use in mid-span service take-offs in one or more directions for either lashed or self-supported cable
- Designed for use with "p" type or Wirewise® drop hardware

#### A Qualified DDS Item

| Part Number | Carton Qty | Carton Weight |
|-------------|------------|---------------|
| 5577        | 200        | 35 Lbs.       |



## WEDGE CLAMP

- Wedge clamps are mechanical holding devices used for strain relief in service applications
- Wedge clamps are available with a variety of bail lengths and styles as well as with Irridited finish for contaminated areas
- Designed for low tension applications only
- Flexible bails are available and designed for use with hooks and eyes



| Part Number | Bail Description  | ACSR<br>ASTM-B232 | AAAC<br>ASTM-B399 | AAC<br>ASTM-B231 | Conductor<br>Dia. Range | Mechanical<br>Ratings | Carton<br>Qty | Carton<br>Weight |
|-------------|---|-------------------|-------------------|------------------|-------------------------|-----------------------|---------------|------------------|
| 7195        | 6-1/2" solid stainless steel  | #2 - #6           | #2 - #6           | #1 - #6          | .160-.330               | 1000 Lbs.             | 100           | 15 Lbs.          |
| 7195-I      | 6-1/2" solid stainless steel with irrilited finish on wedge and shell                         | #2 - #6           | #2 - #6           | #1 - #6          | .160-.330               | 1000 Lbs.             | 100           | 16 Lbs           |
| 7196        | 11" solid stainless steel   | #2 - #6           | #2 - #6           | #1 - #6          | .160-.330               | 1000 Lbs.             | 50            | 10 Lbs.          |
| 7195-F      | 12" flexible nylon jacket galvanized aircraft strand  | #2 - #6           | #2 - #6           | #1 - #6          | .160-.330               | 1000 Lbs.             | 100           | 15 Lbs.          |
| 7195-FI     | 12" flexible nylon jacket galvanized aircraft strand with irrilited finish on wedge and shell | #2 - #6           | #2 - #6           | #1 - #6          | .160-.330               | 1000 Lbs.             | 100           | 16 Lbs.          |
| 7195-FL     | 12" flexible nylon jacket galvanized aircraft strand less ferrule                             | #2 - #6           | #2 - #6           | #1 - #6          | .160-.330               | 1000 Lbs.             | 100           | 16 Lbs.          |
| 7187        | 6 1/2" solid stainless steel  | 1/0 - #4          | 1/0 - #4          | 2/0 - #2         | .250-.414               | 1200 Lbs.             | 50            | 14 Lbs.          |
| 7187-I      | 6 1/2" solid stainless steel with irrilited finish on wedge and shell                         | 1/0 - #4          | 1/0 - #4          | 2/0 - #2         | .250-.414               | 1200 Lbs.             | 50            | 14 Lbs.          |
| 7188        | 11" solid stainless steel   | 1/0 - #4          | 1/0 - #4          | 2/0 - #2         | .250-.414               | 1200 Lbs.             | 25            | 7 Lbs.           |
| 7187-F      | 12" flexible nylon jacke galvanized aircraft strand   | 1/0 - #4          | 1/0 - #4          | 2/0 - #2         | .250-.414               | 1200 Lbs.             | 25            | 8 Lbs.           |
| 7187-FI     | 12" flexible nylon jacket galvanized aircraft strand with irrilited finish on wedge and shell | 1/0 - #4          | 1/0 - #4          | 2/0 - #2         | .250-.414               | 1200 Lbs.             | 25            | 8 Lbs.           |
| 7187-FL     | 12" flexible nylon jacket galvanized aircraft strand less ferrule                             | 1/0 - #4          | 1/0 - #4          | 2/0 - #2         | .250-.414               | 1200 Lbs.             | 25            | 9 Lbs.           |
| 7197        | 6-1/2" solid stainless steel  | 4/0 - 2/0<br>1/0* | 4/0 - 2/0         | 4/0 - 2/0        | 0.414                   | 1800 Lbs.             | 50            | 13 Lbs.          |
| 7198        | 11" solid stainless steel   | 4/0 - 2/0<br>1/0* | 4/0 - 2/0         | 4/0 - 2/0        | 0.414                   | 1800 Lbs.             | 25            | 9 Lbs.           |
| 7197-F      | 12" flexible nylon jacket galvanized aircraft strand  | 4/0 - 2/0<br>1/0* | 4/0 - 2/0         | 4/0 - 2/0        | 0.414                   | 1800 Lbs.             | 25            | 8 Lbs.           |
| 7197-FI     | 12" flexible nylon jacket galvanized aircraft strand with irrilited finish on wedge           | 4/0 - 2/0<br>1/0* | 4/0 - 2/0         | 4/0 - 2/0        | 0.414                   | 1800 Lbs.             | 25            | 8 Lbs.           |
| 7197-FL     | 12" flexible nylon jacket galvanized aircraft strand less ferrule                             | 4/0 - 2/0<br>1/0* | 4/0 - 2/0         | 4/0 - 2/0        | 0.414                   | 1800 Lbs.             | 25            | 8 Lbs.           |

### Notes:

1. Suffix "I" irrilited finish on wedge and shell
2. Flexible bails are for use on hooks and small eyes. Solid stainless bails are for use on eye hooks and insulators with diameters larger than 1.5"
3. \* - 1/0 Conductor use is 500 Lbs. maximum
4. For other options, consult factory

## CLIPS

### BASEBOARD CLIP

- Used to secure coaxial cable or twisted pair wire to baseboard
- Steel construction, enamel coated
- Patent pending
- Add suffix to part number to denote color: N = Neutral, W = White, B = Black

#### A Qualified DDS Item

| Part Number | Cable Size | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|------------|--------------|---------------|
| SI-0991     | RG 6       | 1000       | 6" x 4" x 4" | 4 Lbs.        |
| SI-0992     | RG 6 Quad  | 1000       | 6" x 4" x 4" | 4 Lbs.        |
| SI-0993     | Telephone  | 1000       | 6" x 4" x 4" | 4 Lbs.        |
| SI-0994     | Category 5 | 1000       | 6" x 4" x 4" | 4 Lbs.        |



### CABLE CLIP

- Used to secure drop cable to wood or masonry surfaces
- Patent Pending
- Constructed of high quality steel, mechanically plated with pre-inserted self-tapping screw, drive pin, or hardened nail

#### A Qualified DDS Item

| Part Number | Cable Size | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|------------|--------------|---------------|
| SI-0989-6   | RG 6       | 1000       | 9" x 7" x 6" | 14 Lbs.       |
| SI-0989-6Q  | RG 6 Quad  | 1000       | 9" x 7" x 6" | 15 Lbs.       |
| SI-0989-11  | RG 11      | 1000       | 9" x 7" x 6" | 16 Lbs.       |
| SI-0989-59  | RG 59      | 1000       | 9" x 7" x 6" | 14 Lbs.       |
| SI-0989D-6  | RG 6       | 1000       | 9" x 7" x 6" | 14 Lbs.       |
| SI-0989D-6Q | RG 6 Quad  | 1000       | 9" x 7" x 6" | 14 Lbs.       |
| SI-0989D-11 | RG 11      | 1000       | 9" x 7" x 6" | 16 Lbs.       |
| SI-0989D-59 | RG 59      | 1000       | 9" x 7" x 6" | 14 Lbs.       |
| SI-0989N-6  | RG 6       | 1000       | 9" x 7" x 6" | 14 Lbs.       |
| SI-0989N-6Q | RG 6 Quad  | 1000       | 9" x 7" x 6" | 14 Lbs.       |
| SI-0989N-11 | RG 11      | 1000       | 9" x 7" x 6" | 16 Lbs.       |
| SI-0989N-59 | RG 59      | 1000       | 9" x 7" x 6" | 14 Lbs.       |

D suffix denotes Drive Pin version

N suffix denotes Hardened Nail version, 1" in length



### U CABLE CLIP

- Used to secure drop cables to wood or masonry surfaces
- Constructed of soft aluminum for pliability

#### A Qualified DDS Item

| Part Number | Cable Size | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|------------|--------------|---------------|
| SI-0988-6   | RG 6       | 1000       | 6" x 6" x 6" | 2 Lb.         |
| SI-0988-6G  | #6 AWG     | 1000       | 6" x 6" x 6" | 1 Lb.         |
| SI-0988-6Q  | RG 6 Quad  | 1000       | 6" x 6" x 6" | 1 Lb.         |
| SI-0988-11  | RG 11      | 1000       | 6" x 6" x 6" | 2 Lbs.        |
| SI-0988-12G | #12 AWG    | 1000       | 6" x 6" x 6" | 1 Lb.         |
| SI-0988-59  | RG 59      | 1000       | 6" x 6" x 6" | 2 Lbs.        |
| SI-0988-C5  | Category 5 | 1000       | 5" x 6" x 5" | 2 Lbs.        |
| SI-0988-D6  | Dual RG6   | 1000       | 8" x 6" x 6" | 2 Lbs.        |



## E DROP WIRE CLIP

Bellcore Specification: 7590

- Used to secure drop wire to wood or masonry surfaces
- Constructed of high quality steel, mechanically plated



| Part Number | Alternate | Clip Size | Max. Cable Size (Height x Width) | Bag Qty | Carton Qty | Carton Size        | Carton Weight |
|-------------|-----------|-----------|----------------------------------|---------|------------|--------------------|---------------|
| RE          |           | 1 Pr.     | .160" x .300"                    | 50      | 2000       | 10 3/4" x 9" x 7"  | 24 Lbs.       |
| RER         |           | 1 Pr.     | .300" x .160"                    | 50      | 2000       | 10 3/4" x 9" x 7"  | 24 Lbs.       |
| SI-0987     |           | 2 Pr.     | .200" x .390"                    | 50      | 3000       | 14" x 14" x 8"     | 28 Lbs.       |
|             | RE2       | 2 Pr.     | .200" x .390"                    |         | 2000       | 13" x 13" x 8"     | 28 Lbs.       |
| SI-0987-6   |           | 6 Pr.     | .250" x .550"                    | 50      | 900        | 10" x 10" x 6 1/2" | 13 Lbs.       |
|             | RE6       | 6 Pr.     | .250" x .550"                    |         | 2000       | 13" x 13" x 8"     | 32 Lbs.       |

## SC DROP WIRE CLIP

Bellcore Specification: 7226

- Used to loop and hold a drop wire to itself for snub attachments
- Constructed of aluminum
- Ordinary pliers are used to fasten the clip to the drop wire

| Part Number | Alternate | Clip Size | Carton Qty | Carton Size            | Carton Weight |
|-------------|-----------|-----------|------------|------------------------|---------------|
| SI-0984     |           | 6 Pr.     | 1000       | 18" x 14" x 14"        | 17 Lbs.       |
|             | D6        | 6 Pr.     | 500        | 10 3/4" x 9" x 7"      | 8 Lbs.        |
| SI-0985     |           | 2-3 Pr.   | 1000       | 12" x 6" x 6"          | 7.5 Lbs.      |
|             | D2        | 2-3 Pr.   | 1000       | 14 1/2" x 10" x 5 1/2" | 9 Lbs.        |
| SI-0986     |           | 1-2 Pr.   | 1000       | 18" x 16" x 14"        | 6 Lbs.        |



## WIRE CLIP WITH SCREW

- Insulated with PVC coating
- Used with #10 wood screw, zinc plated
- Clip constructed of high quality steel, mechanically plated

| Part Number | Clip Size | Bag Qty | Carton Qty | Carton Size     | Carton Weight |
|-------------|-----------|---------|------------|-----------------|---------------|
| SI-0987CW   | 2 Pr.     | 50      | 1000       | 18" x 14" x 14" | 21 Lbs.       |



## S CLIP

- Prevents messenger wire from separating from the drop cable
- Constructed of soft aluminum

### A Qualified DDS Item

| Part Number | Cable Size | Carton Qty | Carton Size               | Carton Weight |
|-------------|------------|------------|---------------------------|---------------|
| SI-0990     | RG 6       | 1000       | 6" x 6" x 6"              | 5 Lbs.        |
| SI-0990-2   | RG 11      | 1000       | 6" x 6" x 6"              | 5 Lbs.        |
| SI-0990-3   | Dual Cable | 1000       | 13 1/2" x 8 1/4" x 5 1/2" | 8 Lbs.        |



## CONNECTORS

### WIRELINK® AND WIREWISE® CONNECTOR

- Wirelink® and Wirewise® Connectors are used to splice/deadend galvanized steel messenger mid-span of a service drop
- Minimum holding strength is 90% RBS of wire specified
- Designed to support both ends of self-supporting multi-pair drop wire that uses a solid galvanized steel messenger wire that is integrated into the jacket in a figure-8 configuration
- U.S. made versions available



### WIRELINK® CONNECTOR

| Part Number | Overall Length | Overall Width | Wire Range  |           | Carton Qty | Carton Weight |
|-------------|----------------|---------------|-------------|-----------|------------|---------------|
|             |                |               | In          | Mm        |            |               |
| 5057/5057N  | 2.94"          | 0.30"         | .062 - .100 | 1.4 - 2.6 | 400        | 14 Lbs.       |
|             |                |               | 16 USSWG    | 16 BWG    |            |               |
|             |                |               | 15 USSWG    | 15 BWG    |            |               |
|             |                |               | 14 USSWG    | 14 BWG    |            |               |
| 5059/5059N  | 2.94"          | 0.43"         | .091 - .114 | 2.3 - 2.9 | 400        | 16 Lbs.       |
|             |                |               | 13 USSWG    | 13 BWG    |            |               |
|             |                |               | 12 USSWG    | 12 BWG    |            |               |
| 5063/5063N  | 4.06"          | 0.55"         | .120 - .135 | 3.1 - 3.5 | 400        | 32 Lbs.       |
|             |                |               | 11 USSWG    | 11 BWG    |            |               |
| 5039        | 7.50"          | 1.03"         | .140 - .215 | 3.7 - 5.5 | 50         | 22 Lbs.       |
|             |                |               | 9 USSWG     | 9 BWG     |            |               |
|             |                |               | 8 USSWG     | 8 BWG     |            |               |
|             |                |               | 7 USSWG     | 7 BWG     |            |               |
|             |                |               | 6 USSWG     | 6 BWG     |            |               |
|             |                |               | 5 USSWG     |           |            |               |

N denotes Polyolefin covered Wirelink version



### WIREWISE® CONNECTOR

| Part Number | Overall Length | Cartridge Length | Bail Width | Wire Range  |           | Carton Qty | Carton Weight |
|-------------|----------------|------------------|------------|-------------|-----------|------------|---------------|
|             |                |                  |            | In          | Mm        |            |               |
| 5056        | 5.5"           | 1.55"            | 1.60"      | .062 - .100 | 1.4 - 2.6 | 100        | 8 Lbs.        |
|             |                |                  |            | 16 USSWG    | 16 BWG    |            |               |
|             |                |                  |            | 15 USSWG    | 15 BWG    |            |               |
|             |                |                  |            | 14 USSWG    | 14 BWG    |            |               |
| 5058        | 5.50"          | 1.47"            | 1.60"      | .091 - .114 | 2.3 - 2.9 | 100        | 9 Lbs.        |
|             |                |                  |            | 13 USSWG    | 13 BWG    |            |               |
|             |                |                  |            | 12 USSWG    | 12 BWG    |            |               |
| 5062        | 7.70"          | 2.46"            | 1.50"      | .120 - .135 | 3.1 - 3.5 | 100        | 14 Lbs.       |
|             |                |                  |            | 11 USSWG    | 11 BWG    |            |               |
| 5199        | 10.20"         | 4.66"            | 1.60"      | .140 - .215 | 3.7 - 5.5 | 50         | 20 Lbs.       |
|             |                |                  |            | 9 USSWG     | 9 BWG     |            |               |
|             |                |                  |            | 8 USSWG     | 8 BWG     |            |               |
|             |                |                  |            | 7 USSWG     | 7 BWG     |            |               |
|             |                |                  |            | 6 USSWG     | 6 BWG     |            |               |
|             |                |                  | 5 USSWG    |             |           |            |               |

5056T available for smaller wire range of .062" - .088"



## DRIVE PINS & RINGS

### DRIVE PIN

Bellcore Specification: 7887

- Used to mount wire loops to masonry or wood in drop applications
- Constructed of hardened steel, zinc plated
- Supplied with one washer assembled

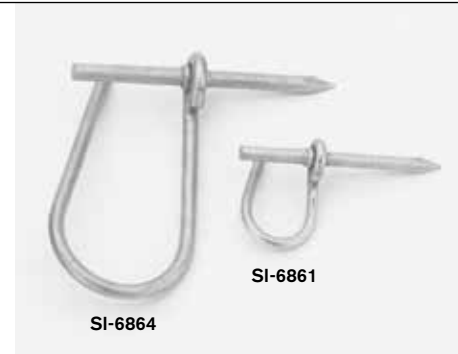
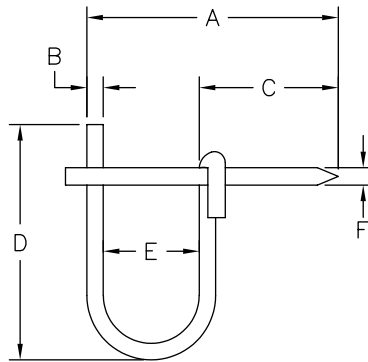


| Part Number | Length | Bag Qty | Carton Qty | Carton Size              | Carton Weight |
|-------------|--------|---------|------------|--------------------------|---------------|
| SI-6101     | 1/2"   | 100     | 1000       | 2 1/4" x 1 3/4" x 3 1/8" | 3 Lbs.        |
| SI-6102     | 3/4"   | 100     | 1000       | 2 1/4" x 1 3/4" x 3 1/8" | 4 Lbs.        |
| SI-6103     | 1"     | 100     | 1000       | 2 1/2" x 1 1/2" x 3 1/2" | 5 Lbs.        |
| SI-6104     | 1 1/4" | 100     | 1000       | 2 1/2" x 1 1/2" x 3 1/2" | 6 Lbs.        |
| SI-6105     | 1 1/2" | 100     | 1000       | 2 3/4" x 1 1/2" x 4"     | 8 Lbs.        |
| SI-6105A    | 1 3/4" | 100     | 1000       | 6 1/4" x 6 1/4" x 4"     | 13 Lbs.       |
| SI-6106     | 2"     | 100     | 1000       | 2 3/4" x 1 1/2" x 4"     | 9 Lbs.        |
| SI-6107     | 2 1/2" | 50      | 1000       | 3" x 1 3/4" x 4 3/8"     | 10 Lbs.       |
| SI-6108     | 3"     | 50      | 1000       | 3" x 1 3/4" x 4 3/8"     | 11 Lbs.       |

### DRIVE RING

Bellcore Specification: 6835

- Used for temporary or permanent support of drop wires
- Constructed of high quality steel, mechanically plated for durability



| Part Number | Eye Diameter | Dimensions |       |         |         |        |       | Package Qty | Carton Qty | Carton Size   | Carton Weight |
|-------------|--------------|------------|-------|---------|---------|--------|-------|-------------|------------|---------------|---------------|
|             |              | (A)        | (B)   | (C)     | (D)     | (E)    | (F)   |             |            |               |               |
| SI-6861     | 1/2"         | 2 1/16"    | .125" | 1 3/8"  | 3/4"    | 1/2"   | .120" | 50          | 500        | 16" x 8" x 6" | 23 Lbs.       |
| SI-6862     | 5/8"         | 2 1/4"     | .135" | 1 7/16" | 1 1/8"  | 5/8"   | .165" | 50          | 500        | 16" x 8" x 6" | 25 Lbs.       |
| SI-6863     | 7/8"         | 2 9/16"    | .177" | 1 1/2"  | 2 1/16" | 7/8"   | .165" | 25          | 200        | 16" x 8" x 6" | 11 Lbs.       |
| SI-6864     | 1 1/4"       | 2 15/16"   | .192" | 1 5/8"  | 2 3/4"  | 1 1/4" | .203" | 25          | 250        | 16" x 8" x 6" | 45 Lbs.       |

## HOOKS

### DROP WIRE HOOK

Bellcore Specification: 6530

- Specially shaped hook for attaching drop wire clamps or drop wires to houses
- Constructed of high quality steel, mechanically plated

| Part Number | Alternate | Carton Qty | Carton Size            | Carton Weight |
|-------------|-----------|------------|------------------------|---------------|
| SI-1130     |           | 100        | 6 1/2" x 5" x 4 1/2"   | 7 Lbs.        |
|             | 5519      | 400        | 12 3/4" x 11" x 5 1/4" | 30 Lbs.       |





## HOUSE HOOK

- Used to secure drop cable or steel messenger wire at the pole or house
- Constructed of high quality steel, mechanically plated for maximum corrosion protection

### A Qualified DDS Item

| Part Number | Hook Type              | Plating Type | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------------------|--------------|------------|---------------|---------------|
| SI-0010CW   | Wrenchable P Hook, 4½" | Mech.        | 100        | 9" x 7" x 7"  | 6.4 Lbs.      |
| SI-0010WXL  | Wrenchable P Hook, 6½" | Mech.        | 100        | 7" x 7" x 3½" | 9 Lbs.        |
| SI-0012     | T House Hook, 3 Hole   | Mech.        | 100        | 9" x 7" x 6"  | 10 Lbs.       |
| SI-0012-1   | T House Hook, 1 Hole   | Mech.        | 100        | 9" x 7" x 6"  | 10 Lbs.       |
| SI-0012-2   | T House Hook, 2 Hole   | Hot Dip      | 100        | 9" x 7" x 6"  | 10 Lbs.       |
| SI-0012-ANG | T House Hook, Angled   | Hot Dip      | 100        | 9" x 7" x 6"  | 15 Lbs.       |
| SI-0012-COR | T House Hook, Corner   | Hot Dip      | 100        | 9" x 7" x 6"  | 24 Lbs.       |
| SI-0014     | with Oval Retainer     | Mech.        | 100        | 9" x 7" x 6"  | 13 Lbs.       |

| Part Number | Hook Type       | Plating Type | Carton Qty | Carton Size   | Carton Weight |
|-------------|-----------------|--------------|------------|---------------|---------------|
| SI-0010     | P Type, 3¾"     | Mech.        | 100        | 5" x 5" x 3"  | 7.5 Lbs       |
| SI-0010L    | P Type, 4½"     | Mech.        | 100        | 6" x 6" x 4"  | 6.4 Lbs.      |
| SI-0011     | J Type Hook, 4" | Mech.        | 500        | 13" x 9" x 5" | 53 Lbs.       |



## NUTS

### HEX LOCKNUT, NYLON INSERT

- Also known as elastic locknut
- Right-hand thread
- Resistant to vibration
- Nylon insert operating temperature up to 250° F
- Standard Hex - Grade 2 zinc-plated steel

| Part Number | Thread Size | Hex Width | Nut Height | Package Qty | Carton Qty | Carton Size   | Carton Weight |
|-------------|-------------|-----------|------------|-------------|------------|---------------|---------------|
| SI-5357     | ¼" -20      | 7/16"     | 5/16"      | 200         | 2000       | 16" x 8" x 6" | 17 Lbs.       |



### SERRATED FLANGE LOCKNUT

- For use with Grade 2 bolts and screws
- Ridges formed on the mating face of flange to lock into the workpiece surface and prevent nut from turning
- Full thread surface contact for large load-bearing strength, vibration and impact resistance
- Grade 2 Zinc-plated steel

| Part Number | Thread Size | Hex Width | Nut Height | Flange Diameter | Flange Thickness | Package Qty | Carton Qty | Carton Size  | Carton Weight |
|-------------|-------------|-----------|------------|-----------------|------------------|-------------|------------|--------------|---------------|
| SI-5358     | ¼" -20      | 7/16"     | 15/64"     | 37/64"          | .040"            | 200         | 3000       | 9" x 9" x 6" | 28 Lbs.       |



## SCREWS

### ANGLE SCREW

Bellcore Specification: 6432

- Used with porcelain knobs to support drop wire runs
- Constructed of high quality steel, hot-dip galvanized
- Wood screw thread on one end and a machine screw thread on the other



| Part Number | Thread Size Machine Screw | Wood Screw | Package Qty | Carton Qty | Carton Size   | Carton Weight |
|-------------|---------------------------|------------|-------------|------------|---------------|---------------|
| SI-7005     | 5/16 - 18                 | 5/16       | 10          | 300        | 10" x 8" x 8" | 30 Lbs.       |
| SI-7006     | 3/8 - 16                  | 3/8        | 10          | 300        | 10" x 8" x 8" | 48 Lbs.       |

### HEX HEAD CAP SCREW

- For use with Grade 2 Nuts
- 500 hours salt fog spray resistant per ASTM B117
- Right-hand thread direction, Class 2A
- Additional sizes available upon request
- Fully threaded, Grade 2 Zinc-Chromate Steel

| Part Number | Thread Size | Thread Length | Hex Width | Head Height | Carton Qty | Carton Size  | Carton Weight |
|-------------|-------------|---------------|-----------|-------------|------------|--------------|---------------|
| SI-6043     | 1/4 - 20    | 5/8"          | 7/16"     | 5/32"       | 100        | 3" x 3" x 4" | 1.5 Lb.       |



### DRYWALL SCREW

- For attaching drywall to wood studs
- No predrilling needed
- Constructed of high quality steel, black phosphate finish
- #2 driver size
- Standard, phillips drive, countersunk bugle head, sharp point
- Additional sizes available upon request

| Part Number | Size | Length | Thread Type | Head Diameter | Carton Qty | Carton Size  | Carton Weight |
|-------------|------|--------|-------------|---------------|------------|--------------|---------------|
| SI-6044     | #6   | 1 1/4" | Coarse      | .315"         | 100        | 3" x 3" x 4" | 0.5 Lb.       |



### LAG SHIELD

- Constructed of rustproof zinc alloy
- Consists of 2 alloy sleeves held together by interlocking tabs
- Used for hard masonry
- Tapered rings provide additional holding power in softer base materials
- Internal threads to mate with lag screw threads for attaching cable clamps, terminals, lock boxes to concrete, hollow block and brick

| Part Number | Size       | Hole Size | Length | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|-----------|--------|------------|---------------|---------------|
| SI-LS-14    | 1/4" Short | 1/2"      | 1"     | 1000       | 13" x 9" x 5" | 22 Lb.        |
| SI-LS-516   | 5/16" Long | 1/2"      | 1 3/4" | 100        | 6" x 4" x 4"  | 3 Lb.         |



### MASONRY SCREW

- Constructed of hardened steel, blue climaseal finish
- Excellent for wood or concrete
- No need to pre-spot holes
- Can be removed and reinstalled
- Additional sizes available upon request

| Part Number | Anchor Diameter | Thread Length | Hex Head Size | Carton Qty | Carton Size  | Carton Weight |
|-------------|-----------------|---------------|---------------|------------|--------------|---------------|
| SI-6042     | 3/16"           | 1 3/4"        | 1/4"          | 100        | 3" x 3" x 4" | 0.75 Lb.      |
| SI-6052     | 1/4"            | 1 3/4"        | 5/16"         | 100        | 3" x 3" x 4" | 1 Lb.         |



## PAN HEAD TAPPING SCREW

- Constructed of high quality steel, zinc plated
- No predrilling required
- Phillips pan head
- Additional sizes available upon request



| Part Number | Thread Size | Thread Length | Carton Qty | Carton Size    | Carton Weight |
|-------------|-------------|---------------|------------|----------------|---------------|
| SI-6049     | #6          | 1"            | 2100       | 11" x 10" x 6" | 25 Lbs.       |

## SELF-TAPPING SCREW

- Constructed of high quality steel, zinc plated
- No predrilling required
- Slotted hex washer head
- Additional sizes available on request



| Part Number | Thread Size | Thread Length | Hex Head Size | Carton Qty | Carton Size    | Carton Weight |
|-------------|-------------|---------------|---------------|------------|----------------|---------------|
| SI-6046     | 8-18        | 1 1/4"        | 1/4"          | 3600       | 11" x 10" x 6" | 25 Lbs.       |
| SI-6047     | 8-18        | 3/4"          | 1/4"          | 4800       | 11" x 10" x 6" | 25 Lbs.       |
| SI-6048     | 8-18        | 1"            | 1/4"          | 3500       | 11" x 10" x 6" | 20 Lbs.       |
| SI-6051     | 8-18        | 1/2"          | 1/4"          | 7400       | 11" x 10" x 6" | 31 Lbs.       |
| SI-6053     | 8-18        | 1 1/2"        | 1/4"          | 3500       | 11" x 10" x 6" | 26 Lbs.       |

## TYPE 17 SCREW

- Constructed of high quality hardened steel, zinc with yellow dichromate finish
- Type 17 point used as a thread cutting screw for wood
- Combo hex washer head
- Additional sizes available upon request



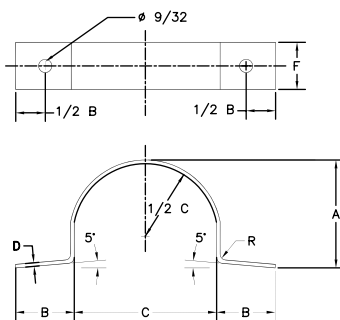
| Part Number | Thread Size | Thread Length | Hex Head Size | Carton Qty | Carton Size    | Carton Weight |
|-------------|-------------|---------------|---------------|------------|----------------|---------------|
| SI-6050     | #8          | 1 1/2"        | 1/4"          | 2100       | 11" x 10" x 6" | 25 Lbs.       |

## STRAPS

### CABLE STRAP

Bellcore Specification: 6344

- Used to secure cable, pipe and conduit to various surfaces
- Constructed of high quality steel, mechanically plated



| Part Number | Dimensions |        |         |      |       | Package Qty | Carton Qty | Carton Size    | Carton Weight |
|-------------|------------|--------|---------|------|-------|-------------|------------|----------------|---------------|
|             | (A)        | (B)    | (C)     | (F)  | (R)   |             |            |                |               |
| SI-6344-9   | 13/32"     | 5/8"   | 9/16"   | 5/8" | 3/32" | 25          | 2000       | 14" x 10" x 8" | 40 Lbs.       |
| SI-6344-11  | 9/16"      | 3/4"   | 1 1/16" | 5/8" | 1/8"  | 25          | 1600       | 14" x 10" x 8" | 32 Lbs.       |
| SI-6344-13  | 1 1/16"    | 3/4"   | 1 3/16" | 3/4" | 1/8"  | 25          | 1200       | 14" x 10" x 8" | 34 Lbs.       |
| SI-6344-16  | 7/8"       | 7/8"   | 1"      | 3/4" | 3/16" | 25          | 800        | 14" x 10" x 8" | 42 Lbs.       |
| SI-6344-20  | 1 1/16"    | 1"     | 1 1/4"  | 3/4" | 3/16" | 25          | 600        | 14" x 10" x 8" | 32 Lbs.       |
| SI-6344-24  | 1 5/16"    | 1"     | 1 1/2"  | 3/4" | 3/16" | 25          | 500        | 14" x 10" x 8" | 36 Lbs.       |
| SI-6344-30  | 1 5/8"     | 1 1/8" | 1 7/8"  | 7/8" | 1/4"  | 25          | 500        | 14" x 10" x 8" | 50 Lbs.       |
| SI-6344-36  | 2"         | 1 1/8" | 2 1/4"  | 7/8" | 1/4"  | 25          | 400        | 14" x 10" x 8" | 55 Lbs.       |
| SI-6344-42  | 2 3/8"     | 1 1/8" | 2 5/8"  | 7/8" | 1/4"  | 25          | 400        | 14" x 10" x 8" | 63 Lbs.       |
| SI-6344-56  | 3"         | 1 1/4" | 3 1/2"  | 1"   | 3/8"  | 25          | 300        | 14" x 10" x 8" | 67 Lbs.       |
| SI-6344-64  | 3 1/2"     | 1 1/4" | 4"      | 1"   | 3/8"  | 25          | 300        | 14" x 10" x 8" | 68 Lbs.       |

## SERVICE MAST STRAP

- Used to deadend drop cable at the house power service mast
- Constructed of high quality steel, mechanically plated for maximum corrosion protection

| Part Number | Type             | Length | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------------|--------|------------|---------------|---------------|
| SI-0015     | Galvanized Steel | 13½"   | 100        | 18" x 9" x 7" | 24 Lbs.       |
| SI-0015-1   | Buckle only      |        | 100        | 7" x 5" x 5"  | 14 Lbs.       |
| SI-0015SS   | Stainless Steel  | 13½"   | 100        | 18" x 9" x 7" | 21 Lbs.       |



## TAGS

### ID TAG

- Used to identify cables
- Made of aluminum
- Smooth edges to prevent injury or damage to cable
- Available with paint (contact factory for color options)

### A Qualified DDS Item

| Part Number | Description  | Carton Qty | Carton Size  | Carton Weight |
|-------------|--|------------|--------------|---------------|
| SI-TAG-101  | Reusable with integral buckle  | 1000       | 5" x 5" x 6" | 6 Lbs.        |
| SI-TAG-102  | Center hole accommodates up to RG 6Q cable for use in MDV applications | 1000       | 5" x 5" x 6" | 5 Lbs.        |



## TERMINALS

### TWO POST TERMINAL

- Designed for service drop applications of single pair distribution wire
- Constructed of aluminum and porcelain with brass grounding posts

| Part Number | Box Qty | Carton Qty | Carton Size     | Carton Weight |
|-------------|---------|------------|-----------------|---------------|
| SI-7501     | 1       | 100        | 18" x 16" x 14" | 40 Lbs.       |



## WIRE LOOPS

### C WIRE LOOP

Bellcore Specification: 7887

- Used with drive pins to secure drop wire to wood or masonry surfaces
- Constructed of high quality steel, mechanically plated

| Part Number | Size | PID Number  | Carton Qty | Carton Weight |
|-------------|------|-------------|------------|---------------|
| SI-4609     | ½"   | 400 491 650 | 288        | 3 Lbs.        |
| SI-4610     | ⅝"   | —           | 288        | 4 Lbs.        |
| SI-4611     | ⅞"   | 400 491 635 | 288        | 11 Lbs.       |
| SI-4612     | 1¼"  | 400 491 619 | 900        | 56 Lbs.       |



**MacLean Senior Industries (MSI) Bonding & Grounding Products are engineered and manufactured in accordance with the National Electric Code and are UL and CSA listed.**

From the first choice for bond attachment to the last alternative, MSI products offer reliable solutions and ease of installation, backed with installation training to ensure the bonding effectiveness at all times.

MacLean Senior Industries' rigid quality assurance program assures all materials, manufacturing processes, and critical dimensions conform to ASTM, ANSI and other applicable standards, as well as the proprietary MSI specifications. With global and domestic manufacturing capabilities, we can ensure your quality product needs will be met when you need them.

Mechanical plating is per ASTM B695. Hot-dip galvanizing is per ASTM A153.

For technical support, installation information and special requirements please contact our Inside Sales Team at: 1-800-350-1650, or via e-mail at: sales@macleansenior.com

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## BONDING HARNESSSES

### BONDING HARNESS - #6 AWG

- For bonding and grounding in pedestal new construction and retrofitting
- Colored insulation for multi-directional cable identification
- Ring terminals - standard mounting hole sizes #10 and 1/4"
- Rope-lay cable, tinned copper strands
- Ring terminals - tinned copper alloy, terminate harnesses at each end

#### Ordering Information

- **Y** in each Part Number denotes three cable type options:

##### SI-BHA-XXXX Series

427-strand, 7 braid x 61/32 rope-lay cable

##### SI-BHB-XXXX Series

665-strand, 7 braid x 95/34 rope-lay cable

##### SI-BHC-XXXX Series

7-strand

- **X** in each Part Number denotes **Color of Insulation** options:  
**Blank** - Black, **OR** - Orange, **BL** - Blue, **BR** - Brown, **SL** - Slate, **GR** - Green,  
**R** - Red.



| Part Number  | Insulated/Uninsulated | Cable Length | Ring Type Both Ends | Bundle Qty | Carton Qty | Carton Size   | Carton Weight |
|--------------|-----------------------|--------------|---------------------|------------|------------|---------------|---------------|
| SI-BHY-6U25  | Uninsulated           | 6"           | 1/4"                | 10         | 500        | 22" x 8" x 8" | 32 Lbs.       |
| SI-BHY-8U25  | Uninsulated           | 8"           | 1/4"                | 10         | 500        | 22" x 8" x 8" | 42 Lbs.       |
| SI-BHY-11U25 | Uninsulated           | 11"          | 1/4"                | 10         | 200        | 22" x 8" x 8" | 22 Lbs.       |
| SI-BHY-12U25 | Uninsulated           | 12"          | 1/4"                | 10         | 200        | 22" x 8" x 8" | 25 Lbs.       |
| SI-BHY-15U25 | Uninsulated           | 15"          | 1/4"                | 10         | 200        | 22" x 8" x 8" | 31 Lbs.       |
| SI-BHY-18U25 | Uninsulated           | 18"          | 1/4"                | 10         | 200        | 22" x 8" x 8" | 39 Lbs.       |
| SI-BHY-20U25 | Uninsulated           | 20"          | 1/4"                | 10         | 200        | 22" x 8" x 8" | 42 Lbs.       |
| SI-BHY-24U25 | Uninsulated           | 24"          | 1/4"                | 10         | 200        | 25" x 8" x 8" | 50 Lbs.       |
| SI-BHY-26U25 | Uninsulated           | 26"          | 1/4"                | 10         | 200        | 27" x 8" x 8" | 54 Lbs.       |
| SI-BHY-30U25 | Uninsulated           | 30"          | 1/4"                | 10         | 200        | 31" x 8" x 8" | 62 Lbs.       |
| SI-BHY-36U25 | Uninsulated           | 36"          | 1/4"                | 10         | 200        | 37" x 8" x 8" | 73 Lbs.       |

# BONDING AND GROUNDING PRODUCTS

| Part Number  | Insulated/<br>Uninsulated | Cable Length | Ring Type<br>Both Ends | Bundle Qty | Carton Qty | Carton Size   | Carton Weight |
|--------------|---------------------------|--------------|------------------------|------------|------------|---------------|---------------|
| SI-BHY-6U10  | Uninsulated               | 6"           | #10                    | 10         | 500        | 22" x 8" x 8" | 32 Lbs.       |
| SI-BHY-8U10  | Uninsulated               | 8"           | #10                    | 10         | 500        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-11U10 | Uninsulated               | 11"          | #10                    | 10         | 200        | 22" x 8" x 8" | 22 Lbs.       |
| SI-BHY-12U10 | Uninsulated               | 12"          | #10                    | 10         | 200        | 22" x 8" x 8" | 25 Lbs.       |
| SI-BHY-15U10 | Uninsulated               | 15"          | #10                    | 10         | 200        | 22" x 8" x 8" | 31 Lbs.       |
| SI-BHY-18U10 | Uninsulated               | 18"          | #10                    | 10         | 200        | 22" x 8" x 8" | 39 Lbs.       |
| SI-BHY-20U10 | Uninsulated               | 20"          | #10                    | 10         | 200        | 22" x 8" x 8" | 42 Lbs.       |
| SI-BHY-24U10 | Uninsulated               | 24"          | #10                    | 10         | 200        | 25" x 8" x 8" | 50 Lbs.       |
| SI-BHY-26U10 | Uninsulated               | 26"          | #10                    | 10         | 200        | 27" x 8" x 8" | 54 Lbs.       |
| SI-BHY-30U10 | Uninsulated               | 30"          | #10                    | 10         | 200        | 31" x 8" x 8" | 62 Lbs.       |
| SI-BHY-36U10 | Uninsulated               | 36"          | #10                    | 10         | 200        | 37" x 8" x 8" | 73 Lbs.       |
| SI-BHY-6U8   | Uninsulated               | 6"           | #8                     | 10         | 500        | 22" x 8" x 8" | 32 Lbs.       |
| SI-BHY-8U8   | Uninsulated               | 8"           | #8                     | 10         | 500        | 22" x 8" x 8" | 42 Lbs.       |
| SI-BHY-11U8  | Uninsulated               | 11"          | #8                     | 10         | 200        | 22" x 8" x 8" | 22 Lbs.       |
| SI-BHY-12U8  | Uninsulated               | 12"          | #8                     | 10         | 200        | 22" x 8" x 8" | 25 Lbs.       |
| SI-BHY-15U8  | Uninsulated               | 15"          | #8                     | 10         | 200        | 22" x 8" x 8" | 31 Lbs.       |
| SI-BHY-18U8  | Uninsulated               | 18"          | #8                     | 10         | 200        | 22" x 8" x 8" | 39 Lbs.       |
| SI-BHY-20U8  | Uninsulated               | 20"          | #8                     | 10         | 200        | 22" x 8" x 8" | 42 Lbs.       |
| SI-BHY-24U8  | Uninsulated               | 24"          | #8                     | 10         | 200        | 25" x 8" x 8" | 50 Lbs.       |
| SI-BHY-26U8  | Uninsulated               | 26"          | #8                     | 10         | 200        | 27" x 8" x 8" | 54 Lbs.       |
| SI-BHY-30U8  | Uninsulated               | 30"          | #8                     | 10         | 200        | 31" x 8" x 8" | 62 Lbs.       |
| SI-BHY-36U8  | Uninsulated               | 36"          | #8                     | 10         | 200        | 37" x 8" x 8" | 73 Lbs.       |
| SI-BHY-6U6   | Uninsulated               | 6"           | #6                     | 10         | 500        | 22" x 8" x 8" | 32 Lbs.       |
| SI-BHY-8U6   | Uninsulated               | 8"           | #6                     | 10         | 500        | 22" x 8" x 8" | 42 Lbs.       |
| SI-BHY-11U6  | Uninsulated               | 11"          | #6                     | 10         | 200        | 22" x 8" x 8" | 22 Lbs.       |
| SI-BHY-12U6  | Uninsulated               | 12"          | #6                     | 10         | 200        | 22" x 8" x 8" | 25 Lbs.       |
| SI-BHY-15U6  | Uninsulated               | 15"          | #6                     | 10         | 200        | 22" x 8" x 8" | 31 Lbs.       |
| SI-BHY-18U6  | Uninsulated               | 18"          | #6                     | 10         | 200        | 22" x 8" x 8" | 39 Lbs.       |
| SI-BHY-20U6  | Uninsulated               | 20"          | #6                     | 10         | 200        | 22" x 8" x 8" | 42 Lbs.       |
| SI-BHY-24U6  | Uninsulated               | 24"          | #6                     | 10         | 200        | 25" x 8" x 8" | 50 Lbs.       |
| SI-BHY-26U6  | Uninsulated               | 26"          | #6                     | 10         | 200        | 27" x 8" x 8" | 54 Lbs.       |
| SI-BHY-30U6  | Uninsulated               | 30"          | #6                     | 10         | 200        | 31" x 8" x 8" | 62 Lbs.       |
| SI-BHY-36U6  | Uninsulated               | 36"          | #6                     | 10         | 200        | 37" x 8" x 8" | 73 Lbs.       |
| SI-BHY-625X  | Insulated                 | 6"           | 1/4"                   | 10         | 500        | 22" x 8" x 8" | 33 Lbs.       |
| SI-BHY-825X  | Insulated                 | 8"           | 1/4"                   | 10         | 500        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-1125X | Insulated                 | 11"          | 1/4"                   | 10         | 200        | 22" x 8" x 8" | 23 Lbs.       |
| SI-BHY-1225X | Insulated                 | 12"          | 1/4"                   | 10         | 200        | 22" x 8" x 8" | 26 Lbs.       |
| SI-BHY-1525X | Insulated                 | 15"          | 1/4"                   | 10         | 200        | 22" x 8" x 8" | 32 Lbs.       |
| SI-BHY-1825X | Insulated                 | 18"          | 1/4"                   | 10         | 200        | 22" x 8" x 8" | 40 Lbs.       |
| SI-BHY-2025X | Insulated                 | 20"          | 1/4"                   | 10         | 200        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-2425X | Insulated                 | 24"          | 1/4"                   | 10         | 200        | 25" x 8" x 8" | 51 Lbs.       |
| SI-BHY-2625X | Insulated                 | 26"          | 1/4"                   | 10         | 200        | 27" x 8" x 8" | 55 Lbs.       |
| SI-BHY-3025X | Insulated                 | 30"          | 1/4"                   | 10         | 200        | 31" x 8" x 8" | 63 Lbs.       |
| SI-BHY-3625X | Insulated                 | 36"          | 1/4"                   | 10         | 200        | 37" x 8" x 8" | 74 Lbs.       |
| SI-BHY-610X  | Insulated                 | 6"           | #10                    | 10         | 500        | 22" x 8" x 8" | 33 Lbs.       |
| SI-BHY-810X  | Insulated                 | 8"           | #10                    | 10         | 500        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-1110X | Insulated                 | 11"          | #10                    | 10         | 200        | 22" x 8" x 8" | 23 Lbs.       |
| SI-BHY-1210X | Insulated                 | 12"          | #10                    | 10         | 200        | 22" x 8" x 8" | 26 Lbs.       |
| SI-BHY-1510X | Insulated                 | 15"          | #10                    | 10         | 200        | 22" x 8" x 8" | 32 Lbs.       |
| SI-BHY-1810X | Insulated                 | 18"          | #10                    | 10         | 200        | 22" x 8" x 8" | 40 Lbs.       |
| SI-BHY-2010X | Insulated                 | 20"          | #10                    | 10         | 200        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-2410X | Insulated                 | 24"          | #10                    | 10         | 200        | 25" x 8" x 8" | 51 Lbs.       |
| SI-BHY-2610X | Insulated                 | 26"          | #10                    | 10         | 200        | 27" x 8" x 8" | 55 Lbs.       |
| SI-BHY-3010X | Insulated                 | 30"          | #10                    | 10         | 200        | 31" x 8" x 8" | 63 Lbs.       |
| SI-BHY-3610X | Insulated                 | 36"          | #10                    | 10         | 200        | 37" x 8" x 8" | 74 Lbs.       |

# BONDING AND GROUNDING PRODUCTS

| Part Number | Insulated/Uninsulated | Cable Length | Ring Type Both Ends | Bundle Qty | Carton Qty | Carton Size   | Carton Weight |
|-------------|-----------------------|--------------|---------------------|------------|------------|---------------|---------------|
| SI-BHY-68X  | Insulated             | 6"           | #8                  | 10         | 500        | 22" x 8" x 8" | 33 Lbs.       |
| SI-BHY-88X  | Insulated             | 8"           | #8                  | 10         | 500        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-118X | Insulated             | 11"          | #8                  | 10         | 200        | 22" x 8" x 8" | 23 Lbs.       |
| SI-BHY-128X | Insulated             | 12"          | #8                  | 10         | 200        | 22" x 8" x 8" | 26 Lbs.       |
| SI-BHY-158X | Insulated             | 15"          | #8                  | 10         | 200        | 22" x 8" x 8" | 32 Lbs.       |
| SI-BHY-188X | Insulated             | 18"          | #8                  | 10         | 200        | 22" x 8" x 8" | 40 Lbs.       |
| SI-BHY-208X | Insulated             | 20"          | #8                  | 10         | 200        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-248X | Insulated             | 24"          | #8                  | 10         | 200        | 25" x 8" x 8" | 51 Lbs.       |
| SI-BHY-268X | Insulated             | 26"          | #8                  | 10         | 200        | 27" x 8" x 8" | 55 Lbs.       |
| SI-BHY-308X | Insulated             | 30"          | #8                  | 10         | 200        | 31" x 8" x 8" | 63 Lbs.       |
| SI-BHY-368X | Insulated             | 36"          | #8                  | 10         | 200        | 37" x 8" x 8" | 74 Lbs.       |
| SI-BHY-66X  | Insulated             | 6"           | #6                  | 10         | 500        | 22" x 8" x 8" | 33 Lbs.       |
| SI-BHY-86X  | Insulated             | 8"           | #6                  | 10         | 500        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-116X | Insulated             | 11"          | #6                  | 10         | 200        | 22" x 8" x 8" | 23 Lbs.       |
| SI-BHY-126X | Insulated             | 12"          | #6                  | 10         | 200        | 22" x 8" x 8" | 26 Lbs.       |
| SI-BHY-156X | Insulated             | 15"          | #6                  | 10         | 200        | 22" x 8" x 8" | 32 Lbs.       |
| SI-BHY-186X | Insulated             | 18"          | #6                  | 10         | 200        | 22" x 8" x 8" | 40 Lbs.       |
| SI-BHY-206X | Insulated             | 20"          | #6                  | 10         | 200        | 22" x 8" x 8" | 43 Lbs.       |
| SI-BHY-246X | Insulated             | 24"          | #6                  | 10         | 200        | 25" x 8" x 8" | 51 Lbs.       |
| SI-BHY-266X | Insulated             | 26"          | #6                  | 10         | 200        | 27" x 8" x 8" | 55 Lbs.       |
| SI-BHY-306X | Insulated             | 30"          | #6                  | 10         | 200        | 31" x 8" x 8" | 63 Lbs.       |
| SI-BHY-366X | Insulated             | 36"          | #6                  | 10         | 200        | 37" x 8" x 8" | 74 Lbs.       |

## BONDING HARNESS - #14 AWG

- Ring terminal on both ends for cable splices
- Colored insulation for multi-directional cable identification
- Tinned brass ring terminals
- Tinned copper strand cable

### Ordering Information

- **X** in each Part Number denotes **Color of Insulation** options:  
**Blank** - Green (Std.), **OR** - Orange, **BL** - Blue, **BR** - Brown, **SL** - Slate, **GR** - Green, **R** - Red.



| Part Number    | Insulated/Uninsulated | Cable Length | Ring Type Both Ends | Bundle Qty | Carton Qty | Carton Size  | Carton Weight |
|----------------|-----------------------|--------------|---------------------|------------|------------|--------------|---------------|
| SI-BH-1410-RRX | Insulated             | 10"          | #10                 | 25         | 200        | 9" x 9" x 6" | 4 Lbs.        |
| SI-BH-1420-RRX | Insulated             | 20"          | #10                 | 25         | 200        | 9" x 9" x 6" | 7 Lbs.        |

## CLAMPS

### BONDING RIBBON CLAMP

Bellcore Specification: 6567

- Used for attaching bonding ribbon to manhole walls and roofs
- Constructed of lead

| Part Number | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|--|---------------|
| SI-1720     | 200        | 2 <sup>3</sup> / <sub>4</sub> " x 1 <sup>9</sup> / <sub>16</sub> " x 3 <sup>15</sup> / <sub>16</sub> " | 5 Lbs.        |



## GROUND ROD CLAMP

- Used to provide a solderless connection between a #6 ground wire and a ground rod
- Clamps are constructed of cast bronze
- Available in vibration proof, anti-loosening versions
- UL and CUL listed

SI-0038  
J8491  
J8492  
J8493



SI-0038C

SI-2142



J25932



SI-2142-3G

| Part Number | Type            | Vibration Proof/<br>Anti-Loosening | Ground Rod<br>Diameter | Bolt<br>Hex Size | Conductor<br>Range         | Carton<br>Qty | Carton<br>Size          | Carton<br>Weight |
|-------------|-----------------|------------------------------------|------------------------|------------------|----------------------------|---------------|-------------------------|------------------|
| J8491       | Heavy Duty      | No                                 | 1/2"                   | 1/2"             | #10 SOL - #2 SOL           | 100           | 7" x 7" x 4"            | 11 Lbs.          |
| SI-0038     | Heavy Duty      | No                                 | 5/8"                   | 1/2"             | #10 SOL - #1/0 STR         | 400           | 10" x 9" x 9"           | 56 Lbs.          |
| SI-0038C    | Economy         | No                                 | 5/8"                   | 1/2"             | #10 SOL - #1/0 STR         | 400           | 10" x 9" x 9"           | 42 Lbs.          |
| J8492       | Heavy Duty      | No                                 | 5/8"                   | 1/2"             | #8 SOL - #1/0 STR          | 400           | 5 1/4" x 4" x 4 3/4"    | 49 Lbs.          |
| SI-0038CN   | Economy         | Yes                                | 5/8"                   | 1/2"             | #10 SOL - #1/0 STR         | 400           | 11" x 10" x 6"          | 42 Lbs.          |
| SI-0038N    | Heavy Duty      | Yes                                | 5/8"                   | 1/2"             | #10 SOL - #1/0 STR         | 300           | 10" x 9" x 6"           | 42 Lbs.          |
| SI-2142     | Heavy Duty      | No                                 | 5/8"                   | 9/16"            | #12 SOL - #6 SOL           | 25            | 6" x 4" x 4"            | 11 Lbs.          |
| SI-2142-3G  | 3 Ground Points | No                                 | 5/8"                   | 9/16"            | #12-6 SOL-#14-6 SOL or STR | 25            | 6" x 4" x 4"            | 13 Lbs.          |
| J8493       | Heavy Duty      | No                                 | 3/4"                   | 1/2"             | #8 SOL - #1/0 STR          | 400           | 10 1/2" x 10 1/2" x 11" | 53 Lbs.          |
| J25932      | Heavy Duty      | No                                 | 5/8"                   | 9/16"            | #10 SOL - #2 SOL           | 100           | 6" x 6 1/4" x 6 1/4"    | 19 Lbs.          |

Note - J25932 is constructed of ductile iron, hot-dip galvanized, with a stainless steel hex-head bolt.

## GROUND/BOND CLAMP

- Grounding lug assembly consists of a 3/8" x 1 1/4" carriage bolt, complete with wire clamp, spring lockwasher, and square nut
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Ground Wire<br>Dia. Range | Carton<br>Qty | Carton<br>Size        | Carton<br>Weight |
|-------------|---------------------------|---------------|-----------------------|------------------|
| J771018     | 0.16" - 0.38"             | 200           | 12 1/2" x 8 1/2" x 7" | 28 Lbs.          |



- Used to attach ground wires at the nut end of bolts on transmission lines
- Includes two 1-1/2" long clamp sections and one square nut
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Mounting<br>Bolts | Ground Wire<br>Dia. Range | Carton<br>Qty | Carton<br>Size    | Carton<br>Weight |
|-------------|-------------------|---------------------------|---------------|-------------------|------------------|
| J1163       | 5/8"              | 3/16" - 3/8"              | 100           | 7" x 12" x 4"     | 50 Lbs.          |
| J1164       | 3/4"              | 1/4" - 1/2"               | 100           | 8 1/2" x 15" x 6" | 52 Lbs.          |





## GROUND BOND CLAMP

- Provide a sturdy and efficient provision to connect ground wire to threaded bolts
- Designed to nest over the square nut of the bolt; a grounding connection is accomplished by inserting the ground wire between the nut and the bonding clamp and adding an additional nut to secure the clamp
- Constructed of high quality steel, hot-dip galvanized



| Part Number | .....For Bolt & Square Nut Size..... |             |             |             | Ground Wire Diameter Range | Carton Qty | Carton Size               | Carton Weight |
|-------------|--------------------------------------|-------------|-------------|-------------|----------------------------|------------|---------------------------|---------------|
|             | A Bolt Size                          | B Bolt Size | C Bolt Size | D Bolt Size |                            |            |                           |               |
| J27276      | 5/8"                                 | 0.52"       | 0.187"      | 1.0"        | 0.162" - 0.312"            | 250        | 14 1/2" x 8 1/2" x 6 1/2" | 27 Lbs.       |
| J27277      | 3/4"                                 | 0.60"       | 0.187"      | 1.25"       | 0.162" - 0.312"            | 250        | 16" x 8 3/4" x 6"         | 38 Lbs.       |
| J27278      | 7/8"                                 | 0.73"       | 0.187"      | 1.50"       | 0.162" - 0.312"            | 250        | 16" x 9" x 7 1/2"         | 54 Lbs.       |
| J27279      | 1"                                   | 0.84"       | 0.187"      | 1.68"       | 0.162" - 0.437"            | 150        | 16 1/2" x 8" x 6"         | 42 Lbs.       |

- Used to clamp ground wire to 5/8" - 3/4" rods
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Rod Size    | Carton Qty | Carton Size   | Carton Weight |
|-------------|-------------|------------|---------------|---------------|
| J8225       | 5/8" - 3/4" | 100        | 8" x 8" x 10" | 60 Lbs.       |



## B GROUND WIRE CLAMP

Bellcore Specification: 8451

- B ground wire clamp is used to secure ground wires, #6 - #12 AWG
- Constructed of high quality steel, mechanically plated for corrosion resistance

| Part Number | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|--------------|---------------|
| SI-0960     | 500        | 3" x 3" x 3" | 1.5 Lbs.      |



## GUY GROUND CLAMP

- Keepers constructed of ductile iron, hot-dip galvanized
- U-bolts constructed of high quality steel, hot-dip galvanized

| Part Number | Wire Range  | U-bolt Diameter | Carton Qty | Carton Size               | Carton Weight |
|-------------|-------------|-----------------|------------|---------------------------|---------------|
| GC-64C      | 0.18"-0.38" | 3/8"            | 100        | 8 1/2" x 8 1/2" x 10 3/4" | 65 Lbs.       |
| GC-67       | 0.25"-0.50" | 1/2"            | 50         | 8 1/2" x 8 1/2" x 10 3/4" | 57 Lbs.       |
| GC-67C      | 0.25"-0.50" | 1/2"            | 25         | 8 1/2" x 8 1/2" x 10 3/4" | 35 Lbs.       |



## KUL BONDING CLAMP

- Used to bond #6 copper wire to 1/4" or 5/16" strand
- Constructed of high strength copper alloy
- Installation does not require removal of bolt
- Tin plated for use with dissimilar metals
- Installs with standard terminal wrench
- UL and CUL listed



| Part Number | Conductor Range   | Package Qty | Carton Qty | Carton Size            | Carton Weight |
|-------------|-------------------|-------------|------------|------------------------|---------------|
| SI-2174     | #6 SOL - #1/0 STR | 100         | 400        | 13"x 11 1/2"x 5 1/2"   | 70 Lbs.       |
| SI-2174K    | #6 SOL - #1/0 STR | 100         | 400        | 13"x 11 1/2"x 5 1/2"   | 70 Lbs.       |
| J8301       | 0.162"-0.398"     | 100         | 100        | 7"x 7 1/2"x 6 1/2"     | 16 Lbs.       |
| J8300       | 0.162"-0.398"     | 100         | 100        | 8 1/2"x 8 1/2"x 7 1/4" | 16 Lbs.       |

Note - J8300 and SI-2174K are semi tin plated with one bare bronze groove for copper to copper bond.

## MESSENGER CLAMP

Bellcore Specification: 7182

- Used to secure cable sheath, bonding ribbon or ground wire to the messenger strand
- Internal self seating compression plate to evenly distribute clamping pressure
- Constructed of high quality steel, hot-dip galvanized
- U.S made versions available



| Part Number | Package Qty | Carton Qty | Carton Size         | Carton Weight |
|-------------|-------------|------------|---------------------|---------------|
| SI-1630     | 25          | 100        | 9" x 7" x 7"        | 51 Lbs.       |
| J7956       |             | 100        | 14 1/2"x 8"x 5 1/2" | 49 Lbs.       |

- Used to make secure connection between ground wire to the strand
- Constructed of ductile iron, hot-dip galvanized

| Part Number | Cable Range  |              | Carton Qty | Carton Size             | Carton Weight |
|-------------|--------------|--------------|------------|-------------------------|---------------|
|             | Main         | Tap          |            |                         |               |
| BC-63       | 0.25"- 0.56" | 0.16"- 0.30" | 80         | 8 1/2"x 8 1/2"x 10 3/4" | 36 Lbs.       |
| BC-105      | 0.50"- 1.0"  | 0.16"- 0.46" | 50         | 8 1/2"x 8 1/2"x 10 3/4" | 52 Lbs.       |



## METER BOX CLAMP

- Engineered to provide a positive ground connection to customer meter boxes without the need for a ground rod, ground rod clamp, or long ground wire runs
- Patented screw design (cone & tip arrangement) for intimate ground to base metal
- No preparation of meter box surface required
- No need to loosen clamp to attach or remove ground wires
- UL and CUL listed
- Patented



| Part Number   | Type                      | Material                        | Conductor Ranges | Carton Qty | Carton Size           | Carton Weight |
|---------------|---------------------------|---------------------------------|------------------|------------|-----------------------|---------------|
| SI-2154       | Adjustable Bracket        | Galvanized Steel                | #14 - #6         | 50         | 12" x 6" x 6"         | 33 Lbs.       |
| SI-2163       | Plate Style               | Stainless Steel                 | #14 - #10        | 200        | 13" x 5" x 7"         | 16 Lbs.       |
| SI-2165       | Adjustable Bracket        | Stainless Steel                 | #14 - #6         | 50         | 12" x 6" x 6"         | 32 Lbs.       |
| SI-2166SG     | Adjustable Bracket, Short | Galvanized Steel                | #14 - #6         | 20         | 4 1/4" x 4 1/4" x 12" | 10 Lbs.       |
| SI-2166LG     | Adjustable Bracket, Long  | Galvanized Steel                | #14 - #6         | 20         | 4 1/4" x 4 1/4" x 12" | 12 Lbs.       |
| SI-2166SS     | Adjustable Bracket, Short | Stainless Steel                 | #14 - #6         | 20         | 4 1/4" x 4 1/4" x 12" | 10 Lbs.       |
| SI-2166LS     | Adjustable Bracket, Long  | Stainless Steel                 | #14 - #6         | 20         | 4 1/4" x 4 1/4" x 12" | 13 Lbs.       |
| SI-2167       | Lip Mount                 | Powder Coated Spring Steel      | #14 - #6         | 50         | 3" x 4" x 5"          | 3.5 Lbs.      |
| SI-2167C      | Lip Mount Economy         | Powder Coated Spring Steel      | #14 - #6         | 50         | 3" x 4" x 5"          | 3.5 Lbs.      |
| SI-2167GC     | Lip Mount w/Ground Clip   | Stainless Steel                 | #12 - #10        | 50         | 3" x 4" x 5"          | 3.5 Lbs.      |
| SI-2167SLM    | Side Lip Mount            | Powder Coated Stainless Steel   | #14 - #6         | 60         | 10" x 7" x 1"         | 4.4 Lbs.      |
| SI-2167SLM-WL | Side Lip Mt., Wide Lip    | Powder Coated Stainless Steel   | #14 - #6         | 40         | 10" x 7" x 1"         | 5 Lbs.        |
| SI-2167SLM-3G | 3 Grd Side Lip Mount      | Powder Coated Stainless Steel   | #14 - #6         | 25         | 10" x 7" x 1"         | 3.5 Lbs.      |
| SI-2168CA     | Corner Mount              | Steel, Zinc w/Yellow Dichromate | #14 - #10        | 50         | 9" x 5 1/2" x 1 1/2"  | 3 Lbs.        |

## SHEATH CLAMP

- The teeth in the upper jaw penetrate the entire length of the connector when it is assembled and tightened. The upper jaw does not cam up and away from the communication cable when tightened down
- A slim design allows for easy installation and requires minimal preparation of the communication cable. The MSI design easily inserts underneath the shield and firmly locks into place
- The serrated nut acts as a lock-nut and is a standard option for all MSI shield bonding connectors. This ensures that the jaws and components remain secure after tightening



| Part Number | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------|---------------|---------------|
| SI-BSC-6    | 500        | 12" x 6" x 8" | 23 Lbs.       |

## STRUCTURE I-BEAM GROUND CLAMP

- Used to provide an electrical connection to trailers, mobile homes or other beam structures
- High strength bronze casting
- Will accept wire range from #14 AWG to #6 AWG including bonding ribbon
- UL and CUL listed

| Part Number | Carton Qty | Master Qty | Carton Size   | Carton Weight |
|-------------|------------|------------|---------------|---------------|
| SI-2145     | 20         | 200        | 16" x 8" x 6" | 56 Lbs.       |
| SI-2145A    | 20         | 200        | 16" x 8" x 6" | 56 Lbs.       |



- Provides an electrical bond between a ground wire and flat surface, up to 3/8" thick, regardless of surface condition
- High strength bronze
- Patented screw design (cone & tip arrangement) for intimate ground to base metal
- Separate screw to attach #14 to #6 AWG, stranded or solid ground wires that can be attached or removed without loosening the clamp
- The clamp installs with a 7/16" hex drive wrench and a 3/8" hex drive wrench is used to set the ground screw
- The SI-2160S provides an elongated hole for connecting multiple wires/bonding ribbon
- UL and CUL listed
- Patented



| Part Number | Type                                       | Carton Qty | Carton Size  | Master Qty | Master Size   | Master Weight |
|-------------|--|------------|--------------|------------|---------------|---------------|
| SI-2160     | Structure Ground Clamp                     | 10         | 3" x 4" x 5" | 100        | 16" x 8" x 6" | 41 Lbs.       |
| SI-2160S    | Structure Ground Clamp with Elongated Hole | 10         | 3" x 4" x 5" | 100        | 16" x 8" x 6" | 41 Lbs.       |

- Used to provide an electrical connection to trailers, mobile homes or other beam structures
- Cup point on bolt penetrates through surface paint or oxide for intimate ground to base metal
- Separate screw to attach #14 to #6 AWG ground wires
- High strength bronze casting
- UL and CUL listed

| Part Number | Bolt Head | Carton Qty | Carton Size          | Carton Weight |
|-------------|-----------|------------|----------------------|---------------|
| SI-2181     | Square    | 50         | 7" x 5 1/2" x 3 1/2" | 17 Lbs.       |
| SI-2181A    | Hex       | 50         | 7" x 5 1/2" x 3 1/2" | 17 Lbs.       |



- Used for grounding Satellite and CATV systems to an I-Beam
- The teeth on bracket help penetrate paint and rust to ensure a strong grounding connection
- Constructed of high quality steel, mechanically plated
- UL and CUL listed

| Part Number | Carton Qty | Carton Size      | Carton Weight |
|-------------|------------|------------------|---------------|
| SI-2177     | 100        | 9" x 5 1/2" x 5" | 16 Lbs.       |



## TAP CLAMP

- Used to make an electrical connection between ground wire and messenger or guy strands
- Up to #2 AWG ground wire
- Up to 1/2" strand size
- Constructed of aluminum

| Part Number | Ground Wire Size | Strand Wire Size | Carton Qty | Carton Size      | Carton Weight |
|-------------|------------------|------------------|------------|------------------|---------------|
| 438ALC      | Up to 3/8"       | Up to 7/16"      | 200        | 15"x 15"x 6 1/2" | 25 Lbs.       |
| 555ALC      | Up to 1/4"       | Up to 1/2"       | 200        | 15"x 15"x 6 3/4" | 24 Lbs.       |



## TAP GROUNDING CLAMP

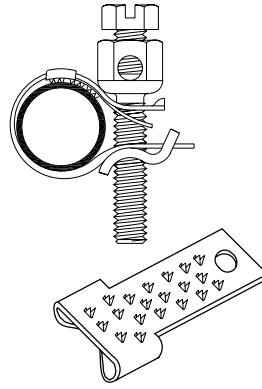
- Used to bond taps
- Accepts #12 - #6 AWG copper ground wire
- Bracket constructed of high quality steel, mechanically plated
- Stud/set screw brass, nickel plated
- UL and CUL listed

| Part Number | Carton Qty | Carton Size       | Carton Weight |
|-------------|------------|-------------------|---------------|
| SI-2020     | 200        | 14" x 5" x 5 3/4" | 30 Lbs.       |



## UNIVERSAL GROUND STRAP

- Positive grounding connection to water pipes, electrical conduits & ground rods
- Features new captive nut, which prevents loss of nut during installation
- Features patented curved nut, which gives a more reliable, secure connection to pipe
- Set-screw stud assembly is compatible with a standard terminal wrench
- Set-screw stud assembly allows ground wire changes without loosening clamp
- Available in 6, 9, or 12 inch lengths with copper or galvanized steel straps
- Available with a penetrator option to ensure a positive, reliable ground
- SI-0954 Premium type ground straps accommodate up to #6 AWG
- SI-0958 Economy type ground straps accommodate up to #8 AWG
- SI-0954E Economy type ground straps accommodate up to a #10 AWG
- UL and CUL listed
- Patented



SI-0954 series clamps also available with penetrator. To order, add "P" suffix to part number.



| Part Number | Type    | Strap Material   | Strap Length | Pipe Size Dia. (In) | Package Qty | Carton Qty | Carton Size           | Carton Weight |
|-------------|---------|------------------|--------------|---------------------|-------------|------------|-----------------------|---------------|
| SI-0954-6   | Premium | Copper           | 6"           | 1/2" - 1"           | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 2 Lbs.        |
| SI-0954-9   | Premium | Copper           | 9"           | 1/2" - 2 1/4"       | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 3 Lbs.        |
| SI-0954-12  | Premium | Copper           | 12"          | 1/2" - 3"           | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 4 Lbs.        |
| SI-0954G-6  | Premium | Galvanized Steel | 6"           | 1/2" - 1"           | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 2 Lbs.        |
| SI-0954G-9  | Premium | Galvanized Steel | 9"           | 1/2" - 2 1/4"       | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 3 Lbs.        |
| SI-0954G-12 | Premium | Galvanized Steel | 12"          | 1/2" - 3"           | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 4 Lbs.        |
| SI-0958-6   | Economy | Copper           | 6"           | 1/2" - 1"           | 10          | 100        | 18" x 16" x 14"       | 5 Lbs.        |
| SI-0958-9   | Economy | Copper           | 9"           | 1/2" - 2 1/4"       | 10          | 100        | 18" x 16" x 14"       | 6 Lbs.        |
| SI-0958-12  | Economy | Copper           | 12"          | 1/2" - 3"           | 10          | 100        | 18" x 16" x 14"       | 7 Lbs.        |
| SI-0958-6G  | Economy | Galvanized Steel | 6"           | 1/2" - 1"           | 10          | 100        | 18" x 16" x 14"       | 5 Lbs.        |
| SI-0958-9G  | Economy | Galvanized Steel | 9"           | 1/2" - 2 1/4"       | 10          | 100        | 18" x 16" x 14"       | 6 Lbs.        |
| SI-0958-12G | Economy | Galvanized Steel | 12"          | 1/2" - 3"           | 10          | 100        | 18" x 16" x 14"       | 7 Lbs.        |
| SI-0954E-6  | Economy | Copper           | 6"           | 1/2" - 1"           | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 2 Lbs.        |
| SI-0954E-9  | Economy | Copper           | 9"           | 1/2" - 2 1/4"       | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 3 Lbs.        |
| SI-0954E-12 | Economy | Copper           | 12"          | 1/2" - 3"           | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 4 Lbs.        |
| SI-0954E-6G | Economy | Galvanized       | 6"           | 1/2" - 1"           | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 2 Lbs.        |
| SI-0954E-9  | Economy | Galvanized       | 9"           | 1/2" - 2 1/4"       | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 3 Lbs.        |
| SI-0954E-12 | Economy | Galvanized       | 12"          | 1/2" - 3"           | 25          | 100        | 4 1/4" x 4 1/4" x 12" | 4 Lbs.        |

## WATER PIPE CLAMP

- Ideal in bonding copper ground wire to galvanized or copper pipe and conduit
- SI-5947 accepts from #10 to #6 AWG copper wire
- SI-5948 Series accepts from #14 to #6 AWG copper wire
- UL and CUL listed

| Part Number | Size             | Material      | Carton Qty | Carton Size   | Carton Weight |
|-------------|------------------|---------------|------------|---------------|---------------|
| SI-5947     | 1 1/4" - 2"      | Bronze        | 100        | 13" x 8" x 8" | 39 Lbs.       |
| SI-5948     | 1/2" - 3/4" - 1" | Bronze        | 250        | 9" x 7" x 6"  | 44 Lbs.       |
| SI-5948G    | 1/2" - 3/4" - 1" | Bronze        | 250        | 9" x 7" x 6"  | 48 Lbs.       |
| SI-5948Z    | 1/2" - 3/4" - 1" | Die Cast Zinc | 250        | 9" x 7" x 6"  | 35 Lbs.       |



## CONNECTORS

### BONDING RIBBON CONNECTOR

- Provides a solderless connection between bonding ribbons
- Accommodates up to three bonding ribbons and one #14 - #6 AWG wire
- Constructed of tin plated bronze
- Bolt size: 1/4" diameter with a 3/8" hex head
- UL and CUL listed



| Part Number | Carton Qty | Carton Size  | Master Qty | Master Size   | Master Weight |
|-------------|------------|--------------|------------|---------------|---------------|
| SI-2159     | 50         | 3" x 4" x 5" | 500        | 16" x 8" x 6" | 49 Lbs.       |

- No special preparation/cleaning of the surfaces required to electrically join two copper bonding ribbons, the patented screw design (cone and screw tip) penetrates corroded surfaces
- Non-corrosive all bronze construction
- Eliminates the need to solder the ribbons
- UL listed
- Patented



| Part Number | Type   | Carton Qty | Carton Size  | Master Qty | Master Size   | Master Weight |
|-------------|--------|------------|--------------|------------|---------------|---------------|
| SI-2161     | Single | 50         | 3" x 4" x 5" | 300        | 10" x 8" x 6" | 21 Lbs.       |
| SI-2162     | Double | 50         | 3" x 4" x 5" | 300        | 10" x 8" x 6" | 36 Lbs.       |

### BRONZE VISE CONNECTOR

- Used to provide a solderless connection between ground wires
- Vise-type connectors made of corrosion resistant, high strength bronze
- Fast, easy installation
- Vibration proof connection
- V-grooves properly align the conductors for maximum engagement
- UL and CUL listed



**Bellcore Specification:** 8980

- SI-0081 (H1) 1/4" - 28 bolt size, 3/8" hex
- SI-0082 (H2) 1/4" - 28 bolt size, 3/8" hex

| Part Number    | Conductor Range AWG |                  | Set Screw/Stud | Package Qty | Carton Qty | Carton Size    | Carton Weight |
|----------------|---------------------|------------------|----------------|-------------|------------|----------------|---------------|
|                | Min. Pair           | Max. Pair        |                |             |            |                |               |
| SI-0081 (H1)   | #12 SOL to #8 SOL   | #6 SOL to #6 SOL |                | 5           | 500        | 10" x 6" x 6"  | 34 Lbs.       |
| SI-0082 (H2)   | #8 SOL to #5 SOL    | 1/0 to #4 SOL    |                | 5           | 375        | 10" x 8" x 6"  | 42 Lbs.       |
| SI-0082JK (H2) | #8 SOL to #5 SOL    | 1/0 to #4 SOL    | #6 to #14 SOL  | 50          | 350        | 10" x 10" x 6" | 45 Lbs.       |

## BRONZE VISE CONNECTOR

- Interlocking components ensure a long term, vibration proof connection
- One Piece, side opening design eliminates loose parts, cross threading, and eases installation on run conductor
- Wide range allows for minimal inventory
- Easy to install with gloves or hot sticks
- Connectors can be installed on structures, cabinets and enclosures for grounding applications



| Part Number | Conductor Range AWG |          | Bolt Thread Size | Bolt Hex Size | Carton Qty | Carton Weight |
|-------------|---------------------|----------|------------------|---------------|------------|---------------|
|             | Max.                | Min.     |                  |               |            |               |
| BVC-6       | #6 STR              | #10 SOL  | 1/4"             | 3/8"          | 200        | 18 Lbs.       |
| BVC-4       | #4 STR              | #8 SOL   | 5/16"            | 9/16"         | 200        | 29 Lbs.       |
| BVC-2       | #2 SOL              | #6 SOL   | 5/16"            | 9/16"         | 200        | 37 Lbs.       |
| BVC-2S      | #2 STR              | #5 SOL   | 5/16"            | 9/16"         | 200        | 43 Lbs.       |
| BVC-20      | #1/0 STR            | #4 SOL   | 5/16"            | 9/16"         | 100        | 26 Lbs.       |
| BVC-20S     | #2/0 STR            | #3 SOL   | 3/8"             | 9/16"         | 100        | 38 Lbs.       |
| BVC-40      | #4/0 STR            | #1/0 STR | 3/8"             | 9/16"         | 100        | 42 Lbs.       |

Note - For Cable Range, each connector will accept two conductors listed within the range listed, in any combination.

## GROUNDING CONNECTOR

- Used to provide a solderless connection between ground wires
- Vise-type connectors made of corrosion resistant, high strength bronze
- Fast, easy installation
- Vibration proof connection
- V-grooves properly align the conductors for maximum engagement
- UL and CUL listed



| Part Number | Bellcore Specification |
|-------------|------------------------|
| SI-2169     | 7796-X-4               |
| SI-2170     | 7796-X-6               |

| Part Number | Conductor Range |     | Bolt Size | Hex (In) | Carton Qty | Carton Size    | Carton Weight |
|-------------|-----------------|-----|-----------|----------|------------|----------------|---------------|
|             | SOL             | STR |           |          |            |                |               |
| SI-2169     | #4              | #4  | 5/16 - 24 | 9/16     | 350        | 10" x 10" x 6" | 56 Lbs.       |
| SI-2169-M   | #4              | #4  | 5/16 - 24 | 7/16     | 350        | 10" x 10" x 6" | 50 Lbs.       |
| SI-2169SS   | #4              | #4  | 5/16 - 24 | 9/16     | 250        | 10" x 10" x 6" | 41 Lbs.       |
| SI-2170     | #6              | #8  | 5/16 - 28 | 3/8      | 500        | 9" x 9" x 6"   | 40 Lbs.       |

## DISTRIBUTION CONNECTOR

- Used to provide a solderless connection between ground wires
- Vise-type connectors made of corrosion resistant, high strength bronze
- Fast, easy installation
- Vibration proof connection
- V-grooves properly align the conductors for maximum engagement
- UL and CSA listed



| Part Number | Conductor Range |           | Bolt Size | Hex (In) | Carton Qty | Carton Size          | Carton Weight |
|-------------|-----------------|-----------|-----------|----------|------------|----------------------|---------------|
|             | Min.            | Max.      |           |          |            |                      |               |
| SI-2140     | 2-#2 SOL        | 2-2/0 STR | 3/8 - 24  | 9/16     | 25         | 6" x 4" x 4"         | 10 Lbs.       |
| SI-2141     | 2-#4 SOL        | 2-#2 STR  | 5/16 - 24 | 9/16     | 250        | 10" x 10" x 6"       | 56 Lbs.       |
| SI-2143     | 2-#1/0 SOL      | 2-4/0 STR | 3/8 - 24  | 9/16     | 25         | 6" x 4 1/2" x 4 1/2" | 11 Lbs.       |



## DISTRIBUTION CONNECTOR

- Design allows for easy tapping or covering of the connection
- Flat ribs on the back of the connector provides a secure grip for hot stick installations
- Designed to meet all ANSI specifications
- Clamp will close on any combination of two conductors shown in the chart below
- UL and CUL listed



| Part Number | .....Conductor Range..... |     |                      | .....Approximate.....<br>.....Dimensions..... | Bolt Size | Hex (In) | Carton Qty | Carton Weight |
|-------------|---------------------------|-----|----------------------|---|-----------|----------|------------|---------------|
|             | .....Max.....<br>SOL      | STR | .....Min.....<br>SOL |   |           |          |            |               |
| SI-2173     | #1/0                      | #1  | #8                   | 1 1/2" x 1 3/8" x 1"                          | 5/16 - 24 | 9/16     | 50         | 12 Lbs.       |

- Vise-type bronze connector
- Interlocking components to ensure a long term, vibration proof connection
- One piece, side opening design to eliminate loose parts, cross threading, and ease of installation on run conductor
- Easy to install with gloves or hot sticks
- Can be used on structures, cabinets, and enclosures for grounding applications
- Connector will close on any combination of two conductors listed within the range shown in the chart below
- UL and CUL listed



| Part Number | .....Conductor Range..... |                    | Bolt Thread Size | Bolt Hex Size | Package Qty | Carton Qty | Carton Size           | Carton Weight |
|-------------|---------------------------|--------------------|------------------|---------------|-------------|------------|-----------------------|---------------|
|             | .....Min./SOL.....        | .....Max./STR..... |                  |               |             |            |                       |               |
| SI-2179     | #8                        | #1/0               | 5/16" - 24       | 9/16"         | 30          | 240        | 10" x 8 1/2" x 7 1/2" | 38 Lbs.       |

| Part Number | ..... Conductor Range ..... |      | Bolt Thread Size | Bolt Hex Size | Carton Qty | Carton Weight |
|-------------|-----------------------------|------|------------------|---------------|------------|---------------|
|             | SOL                         | STR  |                  |               |            |               |
| BVC-207     | #8                          | #1/0 | 5/16"            | 9/16"         | 100        | 21 Lbs.       |
| BVC-207 IT  | #8                          | #1/0 | 5/16"            | 9/16"         | 100        | 21 Lbs.       |
| BVC-207 ST  | #8                          | #1/0 | 5/16"            | 9/16"         | 100        | 19 Lbs.       |
| BVC-207 FT  | #8                          | #1/0 | 5/16"            | 9/16"         | 100        | 20 Lbs.       |

## MESSANGER GROUNDING CONNECTOR

Bellcore Specification: 8270

- Designed specifically for connecting a ground wire to figure 8 messenger strand, where self-supporting cable is used
- The teeth of the connector penetrate the insulation of the messenger to form a positive ground
- Constructed of tin-plated bronze
- UL and CUL listed



| Part Number | Bolt Size | Hex (In) | Carton Qty | Carton Size  | Carton Weight |
|-------------|-----------|----------|------------|--------------|---------------|
| SI-2172     | 5/16 - 24 | 9/16     | 50         | 6" x 4" x 4" | 12 Lbs.       |

| Part Number | Messenger Diameter | Ground Tap Diameter | Bolt Thread Size | Bolt Hex Size | Carton Qty | Carton Weight |
|-------------|--------------------|---------------------|------------------|---------------|------------|---------------|
| BVC-167P    | 0.146"-0.312"      | 0.146"-0.312"       | 5/16"            | 9/16"         | 25         | 7 Lbs.        |

## STRAP CONNECTOR

- Used to connect a bare #6 AWG copper ground wire to a jacketed #10 AWG copper ground wire
- Constructed of copper
- UL and CUL listed

| Part Number | Conductor Sizes (AWG) | Bolt Size | Hex Size | Carton Qty | Carton Size  | Carton Weight |
|-------------|-----------------------|-----------|----------|------------|--------------|---------------|
| SI-2180     | #10 SOL & #6 SOL      | 1/4" - 20 | 3/8"     | 500        | 9" x 9" x 6" | 24 Lbs.       |



## GROUND BARS

- Used to bond multiple ground wires in MDU applications
- Accepts #12 - #6 AWG copper ground wire
- Nickel plated brass construction
- Grounding clip/screw assembly is stainless steel
- Stud/set screw brass, nickel plated
- UL and CUL listed

| Part Number | Carton Qty | Carton Size           | Carton Weight |
|-------------|------------|-----------------------|---------------|
| SI-2010     | 50         | 10 1/2" x 4 1/4" x 9" | 17 Lbs.       |



## GROUND BLOCKS

- Provides ground path between drop cable and ground wire
- Stainless steel construction
- New ground clip mechanism provides for fast and easy termination of up to a #10 ground wire
- Other variations available
- Includes one 2.2 GHz F81 connector installed
- Integrated seal gasket
- Meets SCTE Specifications
- UL and CUL listed
- Patented

| Part Number | Description                                  | Carton Qty | Carton Size   | Carton Weight |
|-------------|--|------------|---------------|---------------|
| SI-GB-10    | Single, 1 F Connector                        | 120        | 14" x 5" x 7" | 10 Lbs.       |
| SI-GB-20    | Dual, 1 F Connector                          | 100        | 14" x 5" x 7" | 10 Lbs.       |
| SI-GB-22    | Dual, 2 F Connectors                         | 100        | 14" x 5" x 7" | 17 Lbs.       |
| SI-GB-50    | Single, 1 Sealed Gasket F Connector          | 120        | 14" x 5" x 7" | 11 Lbs.       |
| SI-GB-50SS  | Single, 1 Sealed Gasket F Conn w/screws      | 120        | 14" x 5" x 7" | 11 Lbs.       |
| SI-GB-50L   | Single, 1 Sealed Gasket Long F Conn          | 120        | 14" x 5" x 7" | 13 Lbs.       |
| SI-GB-50LSS | Single, 1 Sealed Gasket Long F Conn w/screws | 120        | 14" x 5" x 7" | 13 Lbs.       |
| SI-GB-60    | Dual, 1 Sealed Gasket F Connector            | 100        | 14" x 5" x 7" | 12 Lbs.       |
| SI-GB-65    | Dual, 2 Sealed Gasket F Connectors           | 100        | 14" x 5" x 7" | 14 Lbs.       |
| SI-GB-65SS  | Dual, 2 Sealed Gasket F Conn w/screws        | 100        | 14" x 5" x 7" | 12 Lbs.       |



Ground blocks available without F connector

- Provides ground path between drop cable and ground wire
- Stainless steel construction
- New ground bolt mechanism provides for fast and easy termination of up to a #6 ground wire
- 7/16" hex head for single tool installation
- Includes one non-removable 2.2 GHz F81 connector
- Meets SCTE Specifications
- UL and CUL listed

| Part Number | Description                    | Carton Qty | Carton Size   | Carton Weight |
|-------------|--------------------------------|------------|---------------|---------------|
| SI-GB-70    | Single, 1 F Connector          | 120        | 14" x 5" x 7" | 10 Lbs.       |
| SI-GB-70SS  | Single, 1 F Connector w/screws | 120        | 14" x 5" x 7" | 11 Lbs.       |



## F81 SPLICE CONNECTOR

- Constructed of nickel plated brass
- Multi-point 360° beryllium copper socket, gold plating
- 2.2 GHz. F type female on each end

| Part Number | Description                    | Carton Qty | Carton Size    | Carton Weight |
|-------------|--------------------------------|------------|----------------|---------------|
| SI-SP-81    | Standard F Connector           | 2000       | 16" x 11" x 6" | 36 Lbs.       |
| SI-SG-81    | Sealed Gasket F Connector      | 2000       | 16" x 11" x 6" | 37 Lbs.       |
| SI-SGL-81   | Sealed Gasket Long F Connector | 2000       | 16" x 11" x 6" | 39 Lbs.       |



## ZINC GROUND BLOCK

- Provides for fast and easy termination of up to a #10 ground wire
- Constructed of zinc die cast, nickel finish
- Each part includes 2 mounting screws

| Part Number | Description                 | Carton Qty | Carton Size                                | Carton Weight |
|-------------|-----------------------------|------------|--|---------------|
| SI-GBZ-11   | Single F81, 1 bonding screw | 150        | 23 <sup>1</sup> / <sub>2</sub> " x 9" x 9" | 14 Lbs.       |
| SI-GBZ-22   | Dual F81, 2 bonding screws  | 150        | 23 <sup>1</sup> / <sub>2</sub> " x 9" x 9" | 19 Lbs.       |
| SI-GBZ-23   | Dual F81, 3 bonding screws  | 150        | 23 <sup>1</sup> / <sub>2</sub> " x 9" x 9" | 22 Lbs.       |
| SI-GBZ-44   | Quad F81, 4 bonding screws  | 180        | 23 <sup>1</sup> / <sub>2</sub> " x 9" x 9" | 31 Lbs.       |



## PLATE, DEMARCATION

- Used to bond drop cable in MDU applications
- 8 ports
- -81 version is populated with F connectors
- Accepts #12 - #6 AWG copper ground wire
- Aluminum construction
- Stud/set screw brass, nickel plated
- UL and CUL listed

| Part Number | L x W x H   | Carton Qty | Carton Size   | Carton Weight |
|-------------|---|------------|---|---------------|
| SI-2030     | 4" x 1 <sup>5</sup> / <sub>16</sub> " x 2 <sup>1</sup> / <sub>8</sub> " | 100        | 14" x 5 <sup>1</sup> / <sub>2</sub> " x 6 <sup>1</sup> / <sub>2</sub> " | 9 Lbs.        |
| SI-2030-81  | 4" x 1 <sup>5</sup> / <sub>16</sub> " x 2 <sup>1</sup> / <sub>8</sub> " | 100        | 12" x 12" x 6"  | 26 Lbs.       |



- Used to bond drop cable in MDU applications
- 16 ports
- -81 version is populated with F connectors
- Accepts #12 - #6 AWG copper ground wire
- Aluminum construction
- Stud/set screw brass, nickel plated
- UL and CUL listed

| Part Number | L x W x H  | Carton Qty | Carton Size   | Carton Weight |
|-------------|--|------------|---|---------------|
| SI-2040     | 6 <sup>1</sup> / <sub>4</sub> " x 1 <sup>7</sup> / <sub>16</sub> " x 3 <sup>13</sup> / <sub>32</sub> " | 50         | 14" x 5 <sup>1</sup> / <sub>2</sub> " x 6 <sup>1</sup> / <sub>2</sub> " | 7 Lbs.        |
| SI-2040-81  | 6 <sup>1</sup> / <sub>4</sub> " x 1 <sup>7</sup> / <sub>16</sub> " x 3 <sup>13</sup> / <sub>32</sub> " | 50         | 14" x 5 <sup>1</sup> / <sub>2</sub> " x 6 <sup>1</sup> / <sub>2</sub> " | 9 Lbs.        |



# BONDING AND GROUNDING PRODUCTS

## GROUND LUGS

- For mechanically bonding ground wire to equipment or satellite dish installations
- Set screw can be easily installed using a flat head screwdriver or if hex head using the SI-7195 can wrench
- UL and CUL listed



| Part Number | Type              | Material        | Bonding Screw      | Conductor Range | Mtg. Hole | Set Screw | Package Qty | Carton Qty | Carton Size             | Carton Weight |
|-------------|-------------------|-----------------|--------------------|-----------------|-----------|-----------|-------------|------------|-------------------------|---------------|
| SI-GL1-20   | Dual Barrel       | Aluminum        | Top                | #17 - #10       | 17/64"    | 2 slotted | 500         | 3000       | 17" x 10 1/2" x 11 1/2" | 54 Lbs.       |
| SI-GL2-10   | Single            | Aluminum        | Top                | #14 - #6        | 17/64"    | 1 slotted | 500         | 3000       | 17" x 10 1/2" x 11 1/2" | 47 Lbs.       |
| SI-GL3-11   | Single Bottom Tab | Tinned Bronze   | Top                | #14 - #4        | 13/64"    | hex       | 250         | 1000       | 12 1/2" x 8" x 8 1/2"   | 45 Lbs.       |
| SI-GL4-11   | Single            | Tinned Bronze   | Top                | #14 - #4        | 17/64"    | hex       | 250         | 1000       | 12 1/2" x 8" x 8 1/2"   | 50 Lbs.       |
| SI-GL5-10   | Single            | Tinned Bronze   | Top                | #14 - #4        | 17/64"    | 1 slotted | 250         | 1000       | 12 1/2" x 8" x 8 1/2"   | 50 Lbs.       |
| SI-GL6-12   | Single            | Tinned Bronze   | Side               | #14 - #4        | 13/64"    | hex       | 100         | 1000       | 12 1/2" x 8" x 8 1/2"   | 49 Lbs.       |
| SI-GL7-13   | Single            | Tinned Bronze   | Top with side grd. | #14 - #4        | 17/64"    | hex       | 250         | 1000       | 12" x 9" x 8"           | 49 Lbs.       |
| SI-2009     | Nine Termination  | Tinned Aluminum | Top                | #14 - #4        | 3/16"     | slotted   | 20          | 500        | 13" x 7" x 5"           | 37 Lbs.       |

## RODS

### COUPLING

- Used to join two or more sections of ground rods
- Extra long for greater engagement of ground rods
- Extra length prevents loosening while being pounded into the ground

| Part Number | Material         | Rod Size | Carton Qty | Carton Size            | Carton Weight |
|-------------|------------------|----------|------------|------------------------|---------------|
| SI-2290     | Bronze           | 5/8"     | 200        | 10" x 9" x 7"          | 50 Lbs.       |
| SI-3910     | Galvanized Steel | 5/8"     | 200        | 10" x 9" x 7"          | 50 Lbs.       |
| J9182       | Bronze           | 5/8"     | 250        | 11" x 19 1/2" x 8"     | 72 Lbs.       |
| J9183       | Bronze           | 3/4"     | 25         | 19 1/2" x 11" x 7 1/2" | 11 Lbs.       |



### DRIVING TOOL

- Hand-operated ground rod driving tool accommodates 1/2" & 5/8" diameter ground rods and will allow the installation of up to 8' ground rods driven from groundline level.
- Reversible internal chambers allow one end to drive rod to 3' above ground level and other end to drive remaining 3' ground level
- Durable heat treated internal chambers are designed to resist mushrooming of the ground rod during the driving process

| Part Number | Rod Diameter | Carton Qty | Carton Weight |
|-------------|--------------|------------|---------------|
| J26514      | 1/2" & 5/8"  | 1          | 21 Lbs.       |



## GROUND ROD

- Available in 5/8" and 3/4" diameters, in 8 ft lengths for most grounding requirements
- Have cone point for easy driving and plain end for attaching a ground rod clamp
- Constructed of high quality steel, hot-dip galvanized

| Part Number | Rod Size                | Carton Qty | Carton Weight |
|-------------|-------------------------|------------|---------------|
| J5328       | 5/8" Diameter x 8' Long | 5          | 41 Lbs.       |
| J5338       | 3/4" Diameter x 8' Long | 5          | 66 Lbs.       |



## SPLIT BOLTS

- High strength corrosion resistant copper alloy connectors for use in bonding applications
- Designed to provide high clamping force
- Split bolt will accept on any combination of two conductors shown in the chart below
- UL and CUL listed

| Part Number | Size | Range of Equal Main and Tap |        | Min. Tap with One Max. Main | Package Qty | Package Weight | Carton Qty | Carton Weight |
|-------------|------|-----------------------------|--------|-----------------------------|-------------|----------------|------------|---------------|
|             |      | Min.                        | Max.   |                             |             |                |            |               |
| SI-2002     | 2    | #6 SOL                      | #2 STR | #14 STR                     | 50          | 10 Lbs.        | 400        | 44 Lbs.       |
| SI-2004     | 4    | #8 SOL                      | #4 SOL | #16 SOL                     | 100         | 7 Lbs.         | 800        | 53 Lbs.       |
| SI-2006     | 6    | #10 SOL                     | #6 SOL | #16 SOL                     | 100         | 5 Lbs.         | 800        | 40 Lbs.       |
| SI-2008     | 8    | #16 STR                     | #8 STR | #16 STR                     | 200         | 6 Lbs.         | 1600       | 47 Lbs.       |



## BONDING SCREW

- Used in dropline or other bonding applications
- Constructed of die cast zinc



| Assembly Part Number | U-Bolt Part Number | U-Bolt Size | U-Bolt Head Type | Nut Part Number | Nut Thread Size | Package Qty | Carton Qty | Carton Size   | Carton Weight |
|----------------------|--------------------|-------------|------------------|-----------------|-----------------|-------------|------------|---------------|---------------|
| SI-UBN-12R           | SI-UB-12R          | 1/2"        | Round            | SI-N-12R        | 1/2 - 20        | 100         | 800        | 10" x 9" x 7" | 20 Lbs.       |
| SI-UBN-58R           | SI-UB-58R          | 5/8"        | Round            | SI-N-58R        | 5/8 - 18        | 100         | 800        | 10" x 9" x 7" | 24 Lbs.       |

## TAGS

- Used to identify grounding connections
- Made of aluminum, green paint

### A Qualified DDS Item

| Part Number  | Type             | Carton Qty | Carton Size           | Carton Weight |
|--------------|------------------|------------|-----------------------|---------------|
| SI-TAG-100-G | CATV Ground      | 2000       | 14" x 5 1/2" x 5 1/2" | 12 Lbs.       |
| SI-TAG-103-G | Dish Ground      | 2000       | 14" x 5 1/2" x 5 1/2" | 12 Lbs.       |
| SI-TAG-104-G | Satellite Ground | 2000       | 14" x 5 1/2" x 5 1/2" | 12 Lbs.       |



SI-TAG-100-G

## TERMINALS

- Tin plated copper material
- Screw-on ring terminal for solid #6 AWG
- Self-threading terminal cuts through any oxidation
- Fits #10 through 1/4" studs
- Installs with the standard 3/8", SI-7195 Terminal Wrench



| Part Number  | Mounting Hole | Package Qty | Carton Qty | Carton Size  | Carton Weight |
|--------------|---------------|-------------|------------|--------------|---------------|
| SI-WT-6T-250 | 1/4" dia.     | 100         | 1000       | 9" x 9" x 6" | 13 Lbs.       |

## WIRES, RIBBONS & BRAIDS

### GROUND WIRE

- Used in butt grounds, power service grounds
- #6 AWG conductor
- Annealed solid copper conductor, bare or tinned
- UL and CUL listed



| Part Number | AWG Size | Bare/Tinned         | Feet per Spool | Spools per Carton | Carton Size        | Carton Weight |
|-------------|----------|---------------------|----------------|-------------------|--------------------|---------------|
| SI-9541     | 6        | Bare                | 300            | 2                 | 12" x 12" x 8 1/2" | 55 Lbs.       |
| SI-9542     | 2        | Tinned              | 250            | 1                 | 12" x 12" x 6"     | 53 Lbs.       |
| SI-9543     | 6        | Tinned              | 315            | 2                 | 12" x 12" x 8 1/2" | 50.5 Lbs.     |
| SI-9544     | 4        | Bare                | 198            | 1                 | 12" x 12" x 6"     | 25 Lbs.       |
| SI-9545     | 4        | Tinned              | 198            | 1                 | 12" x 12" x 6"     | 25 Lbs.       |
| SI-9546     | 10       | Green Jacketed 10TW | 500            | 1                 | 12" x 12" x 6"     | 15 Lbs.       |

### COPPER BOND BAR

Bellcore Specification: 4079

- Provides low electrical resistance connection for bonding splices
- 1/2" wide tin-plated copper strap, #6 AWG conductor equivalent
- Mounts to variably spaced bond studs and standard terminal blocks



| Part Number | Feet/Roll | Rolls/Carton | Carton Size  | Carton Weight |
|-------------|-----------|--------------|--------------|---------------|
| SI-3720     | 25'       | 10           | 8" x 8" x 6" | 19 Lbs.       |

### BONDING RIBBON

Bellcore Specification: 6868

- Used for bonding cable
- Annealed solid copper ribbon
- 3/8" wide by 1/16" thick
- Rolled edges and tinned finish



| Part Number | Lbs/Spool | Spools/Carton | Carton Size    | Carton Weight |
|-------------|-----------|---------------|----------------|---------------|
| SI-1638     | 5 Lbs.    | 10            | 12" x 12" x 5" | 54 Lbs.       |

## BOND BRAID

Bellcore Specification: 1036

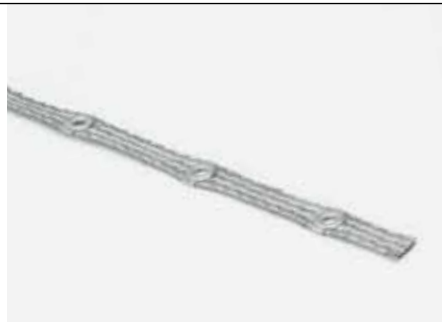
- Used in splicing cable shield openings within pedestal terminals or splice closures
- Flat, tin plated copper braided conductor, 1/2" wide, .070" thick, that provides a low electrical resistance connection
- Equivalent to a number #6 AWG copper conductor
- The braid is strong enough to be effective in relieving the strain across a spliced cable



| Part Number | Feet/Reel | Reels/Carton | Carton Size    | Carton Weight |
|-------------|-----------|--------------|----------------|---------------|
| SI-7171     | 100'      | 5            | 14" x 14" x 8" | 43 Lbs.       |

## BOND BRAID WITH EYELET

- Flat, tin plated copper braided conductor, 1/2" wide, .070" thick, that provides a low electrical resistance connection
- Eyelets are 1/4" diameter and spaced every three inches



| Part Number | Type              | Feet per Pack | Packs per Carton | Carton Size   | Carton Weight |
|-------------|-------------------|---------------|------------------|---------------|---------------|
| SI-7177-1   | Without Web Guard | 25'           | 7                | 13" x 8" x 8" | 21 Lbs.       |





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## BASEBOARD CLIPS

- Used to secure coaxial or twisted pair cable to baseboard
- Steel construction, enamel coated
- Patent pending
- Add suffix to part number to denote color: N = Neutral, W = White, B = Black



### A Qualified DDS Item

| Part Number | Cable Size | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|------------|--------------|---------------|
| SI-0991     | RG 6       | 1000       | 6" x 4" x 4" | 4 Lbs.        |
| SI-0992     | RG 6 Quad  | 1000       | 6" x 4" x 4" | 4 Lbs.        |
| SI-0993     | Telephone  | 1000       | 6" x 4" x 4" | 4 Lbs.        |
| SI-0994     | Category 5 | 1000       | 6" x 4" x 4" | 4 Lbs.        |

## BRIDLE RINGS

| Part Number | Bellcore Specification |
|-------------|------------------------|
| SI-0061     | 7912                   |
| SI-0062     | 7912                   |
| SI-6651     | 7912                   |
| SI-6653     | 7912                   |
| SI-6666     | 8518                   |
| SI-6667     | 8518                   |

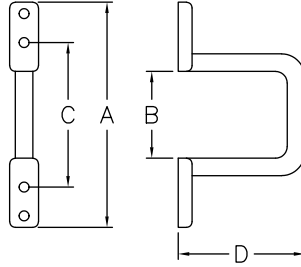
- Used to secure drop wire to wood, masonry or metal surfaces
- Constructed of high quality steel, mechanically plated
- A and C bridle rings have wood screw threads
- B, K, M and R bridle rings have machine screw threads



| Part Number | Style | Eye Dia. | Thread Size | Package Qty | Carton Qty | Carton Size    | Carton Weight |
|-------------|-------|----------|-------------|-------------|------------|----------------|---------------|
| SI-0060     | B     | 5/8"     | 10-24       | 25          | 1000       | 12" x 12" x 8" | 28 Lbs.       |
| SI-0061     | C     | 7/8"     | 10          | 30          | 750        | 12" x 12" x 8" | 30 Lbs.       |
| SI-0062     | C     | 1 5/8"   | 14          | 25          | 300        | 12" x 12" x 8" | 40 Lbs.       |
| SI-0063     | C     | 3"       | 18          | 25          | 100        | 12" x 12" x 8" | 32 Lbs.       |
| SI-6651     | A     | 1 5/8"   | 16          | 25          | 600        | 12" x 12" x 8" | 40 Lbs.       |
| SI-6653     | C     | 1 1/4"   | 14          | 25          | 500        | 12" x 12" x 8" | 35 Lbs.       |
| SI-6666     | K     | 3/4"     | 10-24       | 25          | 1200       | 12" x 12" x 8" | 45 Lbs.       |
| SI-6667     | M     | 1 1/4"   | 10-24       | 25          | 750        | 12" x 12" x 8" | 41 Lbs.       |
| SI-6669     | R     | 1 5/8"   | 1/4-24      | 25          | 525        | 12" x 12" x 8" | 44 Lbs.       |

## DISTRIBUTION RINGS

- Used to provide support for wires in building cable terminals and distribution closets
- Constructed of die cast aluminum

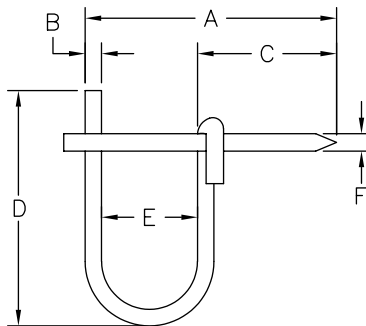


| Part Number | Diameter |       |       |       | Box Qty | Carton Qty | Carton Size     | Carton Weight |
|-------------|----------|-------|-------|-------|---------|------------|-----------------|---------------|
|             | (A)      | (B)   | (C)   | (D)   |         |            |                 |               |
| SI-4753     | 4.88"    | 1.87" | 3.13" | 2.74" | 25      | 500        | 20" x 17" x 11" | 60 Lbs.       |
| SI-4754     | 6.12"    | 3.11" | 4.39" | 3.74" | 25      | 250        | 23" x 14" x 11" | 40 Lbs.       |
| SI-4755     | 8.12"    | 5.12" | 6.38" | 3.74" | 25      | 250        | 23" x 18" x 11" | 50 Lbs.       |
| SI-4753-M   | 2.44"    | .94"  | 1.57" | 2.74" | 50      | 1000       | 20" x 17" x 11" | 60 Lbs.       |
| SI-4754-M   | 3.06"    | 1.56" | 2.20" | 3.74" | 50      | 500        | 23" x 14" x 11" | 40 Lbs.       |
| SI-4755-M   | 4.06"    | 2.56" | 3.19" | 3.74" | 50      | 500        | 23" x 18" x 11" | 50 Lbs.       |

## DRIVE RINGS

Bellcore Specification: 6835

- Used for temporary or permanent support of drop wires
- Constructed of high quality steel, hot-dip galvanized for durability



| Part Number | Eye Diameter | Dimensions |       |         |         |        |       | Package Qty | Carton Qty | Carton Size   | Carton Weight |
|-------------|--------------|------------|-------|---------|---------|--------|-------|-------------|------------|---------------|---------------|
|             |              | (A)        | (B)   | (C)     | (D)     | (E)    | (F)   |             |            |               |               |
| SI-6861     | 1/2"         | 2 1/16"    | .125" | 1 3/8"  | 3/4"    | 1/2"   | .120" | 50          | 500        | 16" x 8" x 6" | 23 Lbs.       |
| SI-6862     | 5/8"         | 2 1/4"     | .135" | 1 7/16" | 1 1/8"  | 5/8"   | .165" | 50          | 500        | 16" x 8" x 6" | 25 Lbs.       |
| SI-6863     | 7/8"         | 2 9/16"    | .177" | 1 1/2"  | 2 1/16" | 7/8"   | .165" | 25          | 200        | 16" x 8" x 6" | 11 Lbs.       |
| SI-6864     | 1 1/4"       | 2 15/16"   | .192" | 1 5/8"  | 2 3/4"  | 1 1/4" | .203" | 25          | 250        | 16" x 8" x 6" | 45 Lbs.       |

## WALL PLATES

- Single hole wall plate
- Durable, heavy-duty plastic, ivory color
- Fits standard electrical outlets
- Other sizes and configurations available on request

| Part Number | Carton Qty | Carton Size  | Carton Weight |
|-------------|------------|--------------|---------------|
| SI-WP-100   | 50         | 5" x 3" x 2" | 1 Lb.         |



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**HANDI-REEL**

- Super easy reel installation
- Makes one-man installations easier
- Lightweight aluminum frame
- Locks in open position
- Safety latch prevents spindle from detaching when inverted
- Anti-skid pads
- Designed to support 1 or 2 man carry
- Sturdy enough for outdoor installations
- Patented



| Part Number | Type       | Max Reel Diameter | Max Reel Width | Spindle Diameter | Carton Qty | Carton Size        | Carton Weight |
|-------------|------------|-------------------|----------------|------------------|------------|--------------------|---------------|
| SI-1500     | Handi-Reel | 19"               | 13"            | 5/8"             | 1          | 15 1/2" x 15" x 4" | 4 Lbs.        |
| SI-1550     | Handi-Reel | 25"               | 16"            | 5/8"             | 1          | 19" x 18" x 6"     | 6 Lbs.        |

**TERMINAL WRENCH**

- Used to install drop hardware
- 3/8" and 7/16" sockets

| Part Number | Package Qty | Weight  |
|-------------|-------------|---------|
| SI-7195     | 1           | .3 Lbs. |



**THROWING WEIGHT**

- Rubber padded weight that can be easily attached to any type of hand line
- Easy to throw up and over inaccessible locations

| Part Number | Carton Qty | Carton Size      | Carton Weight |
|-------------|------------|------------------|---------------|
| SI-9130     | 20         | 9" x 9" x 6 1/2" | 28 Lbs.       |



