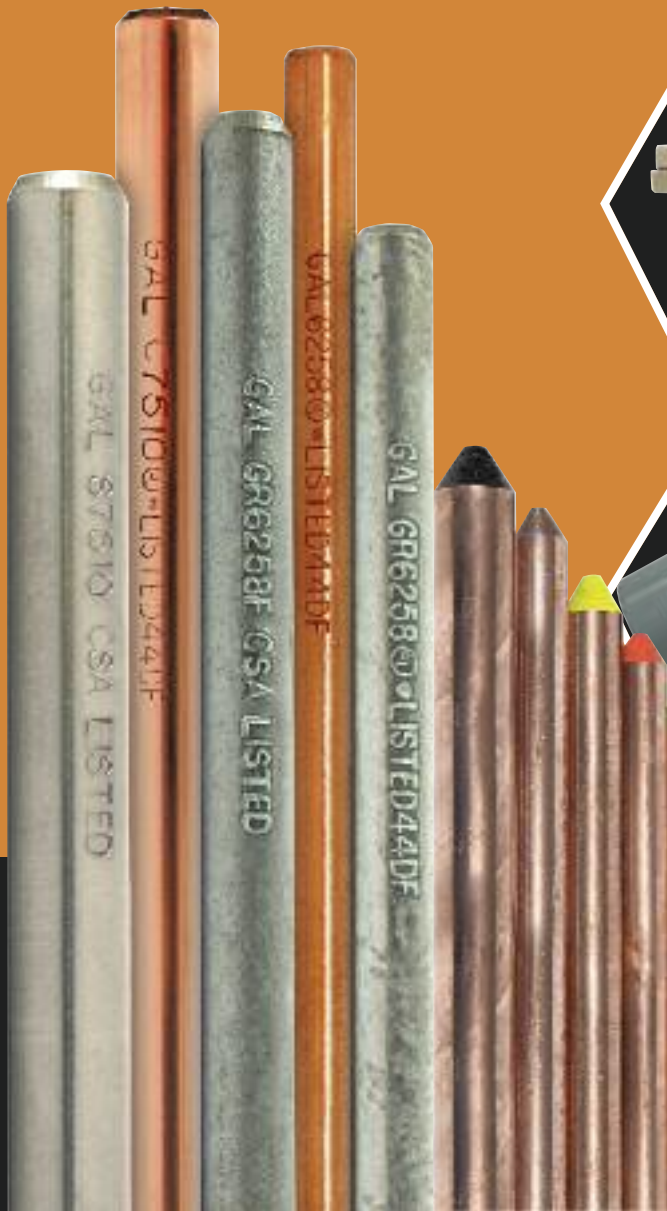
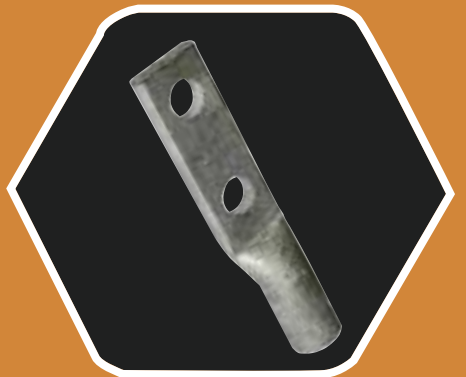


# GALVAN



## Electrical Products Catalog

[galvanelectrical.com](http://galvanelectrical.com)



A veteran-owned company



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# UL-Listed Galvan Gold Series Galvanized Ground Rods

## Cost Savings and Code Compliance Since 2004

Since Galvan industries brought the first UL-Listed galvanized ground rod to market in 2004, electrical contractors and inspectors now think differently about ground rods.



Today's contractors see listed galvanized ground rods as a cost-saving, easier-driving alternative to full-size rods. A listed galvanized rod also gives contractors the flexibility to choose a safe, code-compliant product with either copper-coated or galvanized corrosion protection, depending on their needs.

Many inspectors now ask contractors to leave a shovel-full of dirt away from the top of the rod for inspections. When the listing symbol is visible on any ground rod, they know it meets code. When there is no visible listing mark, it is impossible to know if a driven rod meets NEC requirements, especially for length.

## Our color-coded ground rods eliminate errors

Galvan also pioneered the color coding of ground rods to help ensure that our customers get the right ground rod every time. Different colors indicate different diameters. The colors are painted on the pointed rod ends, eliminating inventory and installation mistakes.

### Copper Rods - Color Code

| DIAMETER | COLOR      | UL LISTED          |
|----------|------------|--------------------|
| 1/2"     | green      | NO                 |
| 1/2"     | orange     | LISTED             |
| 5/8"     | red        | NO                 |
| 5/8"     | copper/brn | LISTED/ 10 Mil     |
| 5/8"     | yellow     | LISTED/ RUS/13 Mil |
| 3/4"     | black      | LISTED             |
| 1"       | No Color   | LISTED             |

### Galvanized Rods - Color Code

| DIAMETER | COLOR      | LISTED |
|----------|------------|--------|
| 1/2"     | green      | NO     |
| 5/8"     | copper/brn | LISTED |
| 5/8"     | yellow     | LISTED |
| 3/4"     | black      | LISTED |
| 1"       | No Color   | LISTED |

## CURRENT RULES AND STANDARDS FOR GROUND RODS



As information for our customers, we have included below the current NEC, NESC and RUS requirements for electrical ground rods. You can count on Galvan to meet them.

### NATIONAL ELECTRICAL CODE - 2011 & 2014 EDITION

250.52.A Grounding Electrodes / Electrodes Permitted for Grounding

**(5) Rod and Pipe Electrodes.** Rod and pipe electrodes shall not be less than 2.44 m (8 ft) in length and shall consist of the following materials.

(b) Rod-type grounding electrodes of stainless steel and copper or zinc coated steel shall be at least 15.87 mm (5/8 in.) in diameter, **unless listed.**

250.53.A Grounding Electrode System Installation / Rod, Pipe, and Plate Electrodes

**(2) Supplemental Electrode Required.** A single rod, pipe, or plate electrode shall be supplemented by an additional electrode of a type specified in 250.52(A)(2) through (A)(8). The supplemental electrode shall be permitted to be bonded to one of the following:

- (1) Rod, pipe, or plate electrode
- (2) Grounding electrode conductor
- (3) Grounded service-entrance conductor
- (4) Non-flexible grounded service raceway
- (5) Any grounded service enclosure

*Exception: If a single rod, pipe, or plate grounding electrode has a resistance to earth of 25 ohms or less, the supplemental electrode shall not be required.*

**(3) Supplemental Electrode.** If multiple rod, pipe, or plate electrodes are installed to meet the requirements of this section, they shall not be less than 1.8 m (6 ft) apart.

Informational Note: The paralleling efficiency of rods is increased by spacing them twice the length of the longest rod.

### NATIONAL ELECTRICAL SAFETY CODE – 2012 EDITION

094B2 Grounding electrodes / Made Electrodes / Driven rods

(a) Driven rods may be sectional; the total length shall be not less than 2.44 (8 ft). Iron, zinc-coated steel, or steel rods shall have a diameter of not less than 15.87 mm (0.625 in). Copper-clad, stainless steel, or stainless steel-clad rods shall have a diameter of not less than 12.7 mm (0.5 in).

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### RURAL DEVELOPMENT UTILITIES PROGRAMS – ELECTRIC PROGRAMS

LIST OF MATERIALS – Acceptable for Use on Systems of USDA Rural Development Electrification Borrowers; Informational Publication 202-1, Updated July 2012.

1. New sections for Ground Rods (item ai) have been added to the List of Materials for copper coatings of 10 mil minimum.

- a. Item ai – Rods, ground and Rods, ground, sectional
- b. New section added, **ai(1) – Rods, ground**
  - i. **Minimum 10 mil copper coating.**
  - ii. Must be Underwriters Laboratory (UL) listed and marked.
- c. New section added, **ai(3) – Rods, ground, sectional**
  - i. **Minimum 10 mil copper coating**
  - ii. Must be Underwriters Laboratory (UL) listed and marked.

**Note: As of May 23, 2011, RUS Telecom no longer publishes a List of Materials for Telecommunications.**



## COPPER COATED GROUND RODS

### Copper Coated Ground Rods

- Galvan's copper coated rods have a heavy, uniform coating of copper metallurgically bonded to a rigid steel core.
- Color-coded to reduce errors.
- UL Listed rods have 10-mil minimum (254 microns) copper plating. UL/RUS models have 13-mil minimum of copper but 10-mil coating is acceptable.
- Galvan manufactures copper-coated rods under patent 6,527,934.
- Rods less than eight feet or less than 10 mils of copper, do not meet UL requirements, nor the NEC Code.
- RUS now accepts 10 mils of copper. Please see page 5.
- Made in USA.**



| Catalog Number | Diameter X Length | Diameter X Length (metric) | Actual Diameter Inches | Matching Threadless Coupling | Sub & Master Bundle | Wt. Per 100 lb (kg) | NAED UPC No. 632591- | Color Code |
|----------------|-------------------|----------------------------|------------------------|------------------------------|---------------------|---------------------|----------------------|------------|
| 5005           | 1/2" x 5'         | 12.8 mm x 1.5 m            | 0.471-0.481            | —                            | 5 / 100             | 275 (125)           | 61125-1              | Green      |
| 5006           | 1/2" x 6'         | 12.8 mm x 1.8 m            | 0.471-0.481            | —                            | 5 / 100             | 330 (150)           | 61126-8              | Green      |
| 5008L*         | 1/2" x 8'         | 12.8 mm x 2.4 m            | 0.500-0.510            | 50-TC                        | 5 / 100             | 550 (250)           | 61138-1              | Orange     |
| 5009L*         | 1/2" x 9'         | 12.8 mm x 2.7 m            | 0.500-0.510            | 50-TC                        | 5 / 100             | —                   | —                    | N/A        |
| 5010L*         | 1/2" x 10'        | 12.8 mm x 3 m              | 0.500-0.510            | 50-TC                        | 5 / 100             | 690 (313)           | 63130-3              | Orange     |
| 6256           | 5/8" x 6'         | 14.2 mm x 1.8 m            | 0.539-0.549            | —                            | 5 / 100             | 510 (231)           | 61586-0              | Red        |
| 6256-10M       | 5/8" x 6'         | 14.2 mm x 1.8 m            | 0.555-0.565            | 60-TC                        | 5 / 100             | 510 (231)           | —                    | Copper     |
| 6258*          | 5/8" x 8'         | 14.2 mm x 2.4 m            | 0.555-0.565            | 60-TC                        | 5 / 100             | 680 (308)           | 61588-4              | Copper     |
| 6258G13**      | 5/8" x 8'         | 14.2 mm x 2.4 m            | 0.555-0.565            | 60-TC                        | 5 / 100             | 700 (318)           | 61217-3              | Yellow     |
| 6260G13**      | 5/8" x 10'        | 14.2 mm x 3 m              | 0.555-0.565            | 60-TC                        | 5 / 100             | 860 (390)           | 61218-0              | Yellow     |
| 6260*          | 5/8" x 10'        | 14.2 mm x 3 m              | 0.555-0.565            | 60-TC                        | 5 / 100             | 860 (390)           | 61580-8              | Copper     |
| 6260-CFE*      | 5/8" x 10'        | 14.2 mm x 3 m              | 0.625-0.635            | —                            | 5 / 100             | —                   | —                    | Copper     |
| 6262*          | 5/8" x 12'        | 14.2 mm x 3.7 m            | 0.555-0.565            | 60-TC                        | 5                   | 1030 (467)          | 61474-0              | Copper     |
| 6265*          | 5/8" x 15'        | 14.2 mm x 4.6 m            | 0.555-0.565            | 60-TC                        | 5                   | 1290 (585)          | 61475-7              | Copper     |
| 7508*          | 3/4" x 8'         | 17.3 mm x 2.4 m            | 0.673-0.683            | 70-TC                        | 5 / 50              | 1000 (454)          | 61548-8              | Black      |
| 7510*          | 3/4" x 10'        | 17.3 mm x 3 m              | 0.673-0.683            | 70-TC                        | 5 / 50              | 1255 (569)          | 61340-8              | Black      |
| 7512*          | 3/4" x 12'        | 17.3 mm x 3.7 m            | 0.673-0.683            | 70-TC                        | 5                   | 1506 (683)          | 61476-4              | Black      |
| 7515*          | 3/4" x 15'        | 17.3 mm x 4.6 m            | 0.673-0.683            | 70-TC                        | 5                   | 1880 (853)          | 61477-1              | Black      |
| 1010*          | 1" x 10'          | 25.4 mm x 3 m              | 0.907-0.917            | GRC-100GP                    | 3 / 50              | 2248 (1020)         | 61440-5              | N/A        |

**Notes:** \* These rods are UL Listed. \*\* These rods are UL and have 13 mils minimum of copper.

**RUS now accepts 10 mils of copper.** Refer to page 5 for NEC, NESC and RUS code requirements.

### Copper Coated Sectional Ground Rods

- Threaded on both ends.
- Listed to UL-467 specification.
- RUS now accepts 10 mils of copper. Please see page 5.
- Rods less than eight feet or less than 10 mils of copper, DO NOT meet UL requirements, nor the NEC Code.
- Made in USA.**



| Catalog Number | Diameter X Length | Diameter X Length (metric) | Actual Diameter Inches | Matching Coupling | Sub & Master Bundle | Wt. Per 100 lb (kg) | NAED UPC No. 632591- | Color Code |
|----------------|-------------------|----------------------------|------------------------|-------------------|---------------------|---------------------|----------------------|------------|
| 5008LS*        | 1/2" x 8'         | 12.8 mm x 2.4 m            | 0.500-0.510            | 50-LC             | 5 / 100             | 550 (250)           | 63138-9              | Orange     |
| 5010LS*        | 1/2" x 10'        | 12.8 mm x 3 m              | 0.500-0.510            | 50-LC             | 5 / 100             | 690 (313)           | 63130-3              | Orange     |
| 6258S*         | 5/8" x 8'         | 14.2 mm x 2.4 m            | 0.555-0.565            | 60-C              | 5 / 100             | 680 (308)           | 63588-2              | Copper     |
| 6258G13S**     | 5/8" x 8'         | 14.2 mm x 2.4 m            | 0.555-0.565            | 60-C              | 5 / 100             | 680 (308)           | —                    | Copper     |
| 6260S*         | 5/8" x 10'        | 14.2 mm x 3 m              | 0.555-0.565            | 60-C              | 5 / 100             | 860 (390)           | 63580-6              | Copper     |
| 6260G13S**     | 5/8" x 10'        | 14.2 mm x 3 m              | 0.555-0.565            | 60-C              | 5 / 100             | 860 (390)           | —                    | Copper     |
| 7506S          | 3/4" x 6'         | 17.3 mm x 1.8 m            | 0.673-0.683            | 70-C              | 5 / 50              | 828 (376)           | —                    | N/A        |
| 7506G13S**     | 3/4" x 6'         | 17.3 mm x 1.8 m            | 0.673-0.683            | 70-C              | 5 / 50              | 828 (376)           | —                    | N/A        |
| 7508S*         | 3/4" x 8'         | 17.3 mm x 2.4 m            | 0.673-0.683            | 70-C              | 5 / 50              | 1000 (454)          | 63348-2              | Black      |
| 7510S*         | 3/4" x 10'        | 17.3 mm x 3 m              | 0.673-0.683            | 70-C              | 5 / 50              | 1255 (569)          | 63340-6              | Black      |
| 1010S*         | 1" x 10'          | 25.4 mm x 3 m              | 0.907-0.917            | 80-C              | 25                  | 2250 (1021)         | 63440-3              | N/A        |

**Notes:** S Suffix-Denotes sectional ground rod, UNC threads. \* These rods are UL Listed. \*\* These rods meet UL and have 13 mils minimum of copper. **RUS now accepts 10 mils of copper.** Refer to page 5 for NEC, NESC and RUS code requirements.

# COPPER COATED AND GALVANIZED GROUND RODS



## Ground Rod Electrode Kit (Galvan #6258R-Kit)



### Kit contains:

- One threaded 5/8" coupling
- Two 4-foot copper-coated ground rod electrodes, threaded on one end of each rod
- One threaded 5/8" drive stud
- One 5/8" UL-Listed ground rod acorn clamp

See video at <http://galvanelectrical.com/training-videos-1.asp>

### Features

- Proper assembly fully complies with UL 467
- NEC 2014 and NESC 2012 compliant
- ANSI/NEMA GR1-2007 compliant
- Standard threaded assembly; only five parts
- No compression components
- Install from ground elevation, safe and easy
- Easy shipping and handling
- Total weight: 8 lbs
- Made in USA
- NAED UPC No. 632591-61501-3



## Hot Dip Galvanized Ground Rods

- Outstanding corrosion resistance; high-strength steel is immersed in molten zinc forming a rust-proof barrier.
- Minimum zinc thickness 3.9 mils (99.06 microns) per ASTM A-123.
- Meets NEMA GR-1 and ANSI C135.30 requirements.
- Stamped for inspectability and traceability.
- Color-coded to reduce errors.

- Listed to UL 467 specifications.

- Made in USA.

**Notes: Rods less than 8' (96 inches) do not meet the requirements of UL, NESC nor NEC Codes. Most competitors' galvanized grounds rods are NOT listed.**



| Catalog Number | Diameter X Length | Diameter X Length (metric) | Actual Diameter Inches | Rod Listing | Matching Coupling | Sub & Master Bundle | Wt. Per 100 lb (kg) | NAED UPC No. 632591- | Color Code |
|----------------|-------------------|----------------------------|------------------------|-------------|-------------------|---------------------|---------------------|----------------------|------------|
| GR5005*        | 1/2" x 5'         | 12.8 mm x 1.5 m            | 0.484-0.500            | N/A         | GRC-12G           | 10 / 100            | 340 (154)           | 70731-2              | Green      |
| GR5006         | 1/2" x 6'         | 12.8 mm x 1.8 m            | 0.484-0.500            | N/A         | GRC-12G           | 10 / 100            | 410 (186)           | 70732-9              | Green      |
| GR5008         | 1/2" x 8'         | 12.8 mm x 2.4 m            | 0.484-0.500            | N/A         | GRC-12G           | 10 / 100            | 550 (249)           | 70733-6              | Green      |
| GR6254F        | 5/8" x 4'         | 14.2 mm x 1.2 m            | 0.625-0.640            | N/A         | GRC-625G          | 10 / 100            | —                   | —                    | —          |
| GR6256         | 5/8" x 6'         | 14.2 mm x 1.8 m            | 0.543-0.555            | N/A         | GRC-54G           | 5 / 100             | 490 (222)           | 70701-5              | —          |
| GR6256F        | 5/8" x 6'         | 15.9 mm x 1.8 m            | 0.625-0.640            | N/A         | GRC-625G          | 5 / 100             | 630 (286)           | 61469-6              | Yellow     |
| GR6258         | 5/8" x 8'         | 14.2 mm x 2.4 m            | 0.543-0.555            | UL          | GRC-54G           | 5 / 100             | 650 (295)           | 70702-2              | Copper     |
| GR6258F*       | 5/8" x 8'         | 15.9 mm x 2.4 m            | 0.625-0.640            | UL/CSA      | GRC-625G          | 5 / 100             | 850 (386)           | 61407-8              | Yellow     |
| GR6250         | 5/8" x 10'        | 14.2 mm x 3 m              | 0.543-0.555            | UL          | GRC-54G           | 5 / 100             | 820 (372)           | 70703-9              | Copper     |
| GR6250F*       | 5/8" x 10'        | 15.9 mm x 3 m              | 0.625-0.640            | UL/CSA      | GRC-625G          | 5 / 100             | 1060 (481)          | 61468-9              | Yellow     |
| GR7508         | 3/4" x 8'         | 17.3 mm x 2.4 m            | 0.657-0.675            | UL          | GRC-34CP          | 5 / 50              | —                   | —                    | —          |
| GR7508F*       | 3/4" x 8'         | 19.05 mm x 2.4 m           | 0.750-0.769            | UL/CSA      | GRC-34G           | 5 / 50              | 1250 (567)          | 61478-8              | Black      |
| GR7510         | 3/4" x 10'        | 17.3 mm x 3 m              | 0.657-0.675            | UL          | GRC-34CP          | 5 / 50              | —                   | —                    | —          |
| GR7510F        | 3/4" x 10'        | 19.05 mm x 3 m             | 0.750-0.769            | UL/CSA      | GRC-34G           | 5 / 50              | 1530 (698)          | 61479-5              | Black      |
| GR1010F        | 1" x 10'          | 25.4 mm x 3 m              | 1.000-1.140            | UL/CSA      | GRC-100G          | 5 / 25              | 2700 (1225)         | 61484-9              | —          |

**Notes:** \* RUS Listed



## STAINLESS AND SOLID COPPER GROUND RODS

### 304 Solid Stainless-Steel Ground Rods



- Stamped for inspectability and traceability.
- Listed to UL-467 specification.

- 316 Stainless available upon request.
- Made in USA.

| Catalog Number | Actual Diameter X Length | Diameter X Length (metric) | Diameter Inches | Rod Listing | Sub & Matching Coupling | Wt. Master Bundle | NAED Per 100 lb (kg) | UPC No. 632591- |
|----------------|--------------------------|----------------------------|-----------------|-------------|-------------------------|-------------------|----------------------|-----------------|
| S6255 (304)    | 5/8" x 5'                | 14.2 mm x 1.5 m            | 0.555-0.565     | N/A         | —                       | 5 / 25            | 430 (195)            | —               |
| S6258 (304)    | 5/8" x 8'                | 14.2 mm x 2.4 m            | 0.555-0.565     | UL          | —                       | 5 / 25            | 690 (313)            | —               |
| S6260 (304)    | 5/8" x 10'               | 14.2 mm x 3 m              | 0.555-0.565     | UL          | —                       | 5 / 25            | 860 (390)            | —               |
| S5008F (304)   | 1/2" x 8'                | 12.8 mm x 2.4 m            | 0.500-0.515     | UL          | GRC-12SS                | 5 / 25            | —                    | —               |
| S5010F (304)   | 1/2" x 10'               | 12.8 mm x 3 m              | 0.500-0.515     | UL/CSA      | GRC-12SS                | 5 / 25            | 700 (318)            | 61485-6         |
| S6258F* (304)  | 5/8" x 8'                | 15.9 mm x 2.4 m            | 0.625-0.635     | UL          | GRC-58SS                | 5 / 25            | 850 (386)            | 70745-9         |
| S6260F (304)   | 5/8" x 10'               | 15.9 mm x 3 m              | 0.625-0.635     | UL/CSA      | GRC-58SS                | 5 / 25            | 1060 (481)           | 70726-8         |
| S7508F* (304)  | 3/4" x 8'                | 19.05 mm x 2.4 m           | 0.750-0.765     | UL          | GRC-34SS                | 5 / 25            | 1200 (544)           | 61483-2         |
| S7510F (304)   | 3/4" x 10'               | 19.05 mm x 3 m             | 0.750-0.765     | UL/CSA      | GRC-34SS                | 5 / 25            | 1500 (680)           | 70734-3         |
| S1008F (304)   | 1" x 8'                  | 25.4 mm x 2.4 m            | 1.000-1.020     | UL          | GRC-100SS               | 5 / 25            | —                    | —               |
| S1010F (304)   | 1" x 10'                 | 25.4 mm x 3 m              | 1.000-1.020     | UL/CSA      | GRC-100SS               | 5 / 25            | 2700 (1225)          | 70710-7         |

Notes: \* RUS Listed

### 304 Solid Stainless Steel Rods – Sectional



- 316 stainless available upon request. Contact factory.
- Listed to UL-467 specification.

- Made in USA.

| Catalog Number | Actual Diameter X Length | Diameter X Length (metric) | Diameter Inches | Rod Listing | Sub & Matching Coupling | Wt. Master Bundle | NAED Per 100 lb (kg) | UPC No. 632591- |
|----------------|--------------------------|----------------------------|-----------------|-------------|-------------------------|-------------------|----------------------|-----------------|
| S6255S (304)   | 5/8" x 5'                | 14.2 mm x 1.5 m            | 0.555-0.565     | N/A         | GRC-58SST               | 5 / 25            | 430 (195)            | —               |
| S6258S (304)   | 5/8" x 8'                | 14.2 mm x 2.4 m            | 0.555-0.565     | UL          | GRC-58SST               | 5 / 25            | 690 (313)            | —               |
| S6260S (304)   | 5/8" x 10'               | 14.2 mm x 3 m              | 0.555-0.565     | UL          | GRC-58SST               | 5 / 25            | 860 (390)            | —               |
| S6258SF (304)  | 5/8" x 8'                | 15.9 mm x 2.4 m            | 0.610-0.640     | UL          | GRC-58SST               | 5 / 25            | 850 (386)            | 61496-2         |
| S6260SF (304)  | 5/8" x 10'               | 15.9 mm x 3 m              | 0.610-0.640     | UL/CSA      | GRC-58SST               | 5 / 25            | 1060 (481)           | 70725-1         |
| S7508SF (304)  | 3/4" x 8'                | 19.05 mm x 2.4 m           | 0.735-0.765     | UL          | GRC-34SST               | 5 / 25            | 1200 (544)           | 61486-3         |
| S7510SF (304)  | 3/4" x 10'               | 19.05 mm x 3 m             | 0.735-0.765     | UL/CSA      | GRC-34SST               | 5 / 25            | 1500 (680)           | 70759-6         |
| S1008SF (304)  | 1" x 8'                  | 25.4 mm x 2.4 m            | 0.985-1.015     | UL/CSA      | GRC-100SST              | 5 / 25            | —                    | —               |
| S1010SF (304)  | 1" x 10'                 | 25.4 mm x 3 m              | 0.985-1.015     | UL/CSA      | GRC-100SST              | 5 / 25            | 2700 (1225)          | 70711-4         |

Notes: \* RUS Listed. S Suffix-Denotes sectional ground rod, UNC threads

### Solid Copper Rods



- Manufactured from solid C11000 copper
- Listed to UL-467 specification.

- Made in USA.

| Catalog Number | Diameter X Length | Diameter X Length (metric) | Actual Diameter Inches | Rod Listing | Sub & Master Bundle | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|-------------------|----------------------------|------------------------|-------------|---------------------|---------------------|----------------------|
| C5008          | 1/2" x 8'         | 12.8 mm x 2.4 m            | 0.500-0.515            | UL          | 5 / 25              | —                   | —                    |
| C5010          | 1/2" x 10'        | 12.8 mm x 3 m              | 0.500-0.515            | UL          | 5 / 25              | —                   | —                    |
| C6258          | 5/8" x 8'         | 15.9 mm x 2.4 m            | 0.623-0.627            | UL          | 5 / 25              | 950 (431)           | 61488-7              |
| C6260          | 5/8" x 10'        | 15.9 mm x 3 m              | 0.623-0.627            | UL          | 5 / 25              | 1190 (540)          | 61489-4              |
| C7508          | 3/4" x 8'         | 19.05 mm x 2.4 m           | 0.748-0.752            | UL          | 5 / 25              | 1370 (621)          | —                    |
| C7510          | 3/4" x 10'        | 19.05 mm x 3 m             | 0.748-0.752            | UL          | 5 / 25              | 1710 (776)          | 61490-0              |
| C1008          | 1" x 8'           | 25.4 mm x 2.4 m            | 0.998-1.002            | UL          | 5 / 25              | 2440 (1107)         | —                    |
| C1010          | 1" x 10'          | 25.4 mm x 3 m              | 0.998-1.002            | UL          | 5 / 25              | 3040 (1379)         | —                    |

# PIGTAIL RODS, DRIVERS AND GROUND PLATES



## Pig-Tail Rods



Contact factory for quotation of copper-coated and hot-dip galvanized pig-tail rods. Provide rod type, size, wire type, gage and length. As example: 5/8" x 8' copper coated rod with 4' of #6 bare solid copper pig tail to be attached 6" from top or drive end of the rod.

- Made in USA.

## Ground Rod Driver

- High-quality materials, design and construction.
- For 5/8" or 3/4" copper-coated and galvanized rods.
- Drives flush or below grade.
- No ladder, no kneeling.
- Safer than hammers.
- No mushrooming of rods.
- Also drives rebar.
- BEST OF ALL – economical enough to have one on every truck in your fleet!
- Made in USA.

| Catalog Number | Description                                                         | Maximum Rod Diameter (in.) | Pcs. Per Ctn. | Wt. (lbs.) | NAED UPC No. 632591- |
|----------------|---------------------------------------------------------------------|----------------------------|---------------|------------|----------------------|
| GRD-U          | Ground rod driver body with universal insert for 5/8" and 3/4" rods | .75                        | 1             | 23         | 61386-6              |
| GRDI-U         | Universal insert (replacement)                                      | .75                        | 1             | 6          | 61388-0              |
| CR             | cable retainer (replacement)                                        | N/A                        | 1             | -          | 61389-7              |



See video at <http://galvanelectrical.com/training-videos-1.asp>

## Steel Ground Plates



- Manufactured from solid 0.25" steel.
- Available in galvanized or bare steel.
- Made in USA.
- 2 sq.-ft. surface area.
- Suffix "C" denotes with Galvan ground rod clamp.
- Minimum zinc thickness 3.9 mils (per ASTM A-123)

| Catalog Number | Description                     | Dimensions              | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|----------------|---------------------------------|-------------------------|---------------|-------------|----------------------|
| GP-G*          | Galvanized Steel w/o connector  | 1/4" x 9-3/4" x 14-3/4" | 4             | 1150        | 61362-0              |
| GP-GC+         | Galvanized Steel with connector | 1/4" x 9-3/4" x 14-3/4" | 4             | 1160        | 61363-7              |
| GP-B           | Bare Steel w/o connector        | 1/4" x 9-3/4" x 14-3/4" | 4             | 1150        | 61364-4              |
| GP-BC          | Bare Steel with connector       | 1/4" x 9-3/4" x 14-3/4" | 4             | 1160        | 61365-1              |

**Notes:** Meets NEC Code 250.52.A.7 and NESC Code 094.B.3.C.

NEC 250.53.H required to be installed not less than 30 inches below surface of the earth.

NESC 094 B3C required to be installed at a depth of not less than five (5) feet.

NEC 250.53(2) requires two electrodes unless a single electrode has a resistance to earth of 25 ohms

+ GP-GC UL Listed. Connectors for GP-GC are shipped in a separate box

\* GP-G Listed when used with #2AWG max conductor.



## GROUND ROD CLAMPS

### SRC Universal Ground Rod Clamp



- Bronze alloy or stainless steel hardware both UL listed and approved for direct burial in earth and concrete.
- Performs the functions of economy, standard duty, heavy duty, and extra heavy duty.
- RUS listed.
- UL and CSA listed in US and Canada for copper-coated, galvanized and stainless steel ground rods.
- Able to withstand torque in excess of UL 467 requirements of 150 in/lb.
- Made In USA.

#### One Clamp Fits 1/2, 5/8 and 3/4 Rod Diameters.

| Catalog Number | Rod Diameter         | Rod Diameter (metric)         | Conductor Range    | Wt. Master Pack | NAED Per 100 lb (kg) | UPC No. 632591- |
|----------------|----------------------|-------------------------------|--------------------|-----------------|----------------------|-----------------|
| SRC            | 1/2"<br>5/8"<br>3/4" | 12.8 mm<br>14.2 mm<br>17.3 mm | 1/0 Str. - 10 Sol. | 100             | 16 (7.3)             | 613286          |

### SRC-SS Stainless Steel Universal Ground Rod Clamp



- Made from 304 stainless steel.
- UL-Listed and marked for copper coated, galvanized, and stainless steel ground rods; also for #4, #5 and #6 (1/2", 5/8" and 3/4") rebar.
- UL-Listed in US and Canada for direct burial in earth and concrete.
- One size fits all.
- Patent pending.
- Made In USA.

#### One Clamp Fits 3/8, 1/2, 5/8 and 3/4 Rod Diameters.

| Catalog Number | Rod Diameter                 | Rod Diameter (metric)                   | Conductor Range                         | Master Pack | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|------------------------------|-----------------------------------------|-----------------------------------------|-------------|---------------------|----------------------|
| SRC-SS         | 3/8"<br>1/2"<br>5/8"<br>3/4" | 9.5 mm<br>12.8 mm<br>14.2 mm<br>17.3 mm | 1/0 Str. - 10 Sol.<br>1/0 Str. - 8 Sol. | 100         | 9 (4.1)<br>9 (4.1)  | 61499-3              |

**Notes:** When used with stainless steel ground rods, the wire range is #8 solid to #2 stranded.



## Ground Rod Clamps (Hex-Head)



- Bronze alloy or stainless steel hardware both UL listed approved for direct burial in earth and concrete.
- Cast copper alloy body with tin-plated hex head bolt
- provides simple trouble-free connection at low cost.
- UL listed for copper-coated, galvanized and stainless steel ground rods.
- Made In USA.**

| Catalog Number   | Rod Diameter | Rod Diameter (metric) | Sub & Conductor Range | Wt. Master Pack | Per 100 lb (kg) | NAED UPC No. 632591- |
|------------------|--------------|-----------------------|-----------------------|-----------------|-----------------|----------------------|
| G-3 (Non-UL)     | 3/8"         | 9.5 mm                | 4 Str. - 10 Sol.      | 100 / 800       | 6 (2.7)         | 70706-0              |
| G-4* (Use G-5)   | 1/2"         | 12.8 mm               | 2 Str. - 10 Sol.      | 100 / 800       | 9 (4.1)         | 70707-7              |
| G-5 <sup>s</sup> | 5/8-1/2"     | 12.8 mm to 14.2 mm    | 2 Str. - 10 Sol.      | 50 / 400        | 10 (4.5)        | 70708-4              |
| G-6* (Use SRC)   | 3/4"         | 17.3 mm               | 2 Str. - 10 Sol.      | 50 / 400        | 11 (5.0)        | 70709-1              |

**Notes:** \*-These items UL and CSA Listed in US and Canada for direct burial in earth and concrete.  
-The G-6 fits all 3/4-inch diameter rods regardless of actual or nominal diameter.

<sup>s</sup>- This item UL Listed for use on 1/2" and 5/8" copper-coated and galvanized rods, and #4 (1/2") rebar, buried in earth or concrete. Also RUS Listed.

## Ground Rod Clamps (Hex-Head Tin-Plated)



- Bronze alloy or stainless steel hardware approved for direct burial in earth and concrete.
- Cast copper alloy body tin-plated with hex head
- bolt provides simple trouble-free connection at low cost on galvanized ground rods.
- Made In USA.**

| Catalog Number | Rod Diameter | Rod Diameter (metric) | Conductor Range  | Sub & Master Pack | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|--------------|-----------------------|------------------|-------------------|---------------------|----------------------|
| G3P (Non-UL)   | 3/8"         | 9.5 mm                | 4 Str. - 10 Sol. | 100 / 800         | 6 (2.7)             | 61135-0              |
| G4P*           | 1/2"         | 12.8 mm               | 2 Str. - 10 Sol. | 100 / 800         | 9 (4.1)             | 61219-7              |
| G5P*           | 5/8-1/2"     | 12.8 mm to 14.2 mm    | 2 Str. - 10 Sol. | 50 / 400          | 10 (4.5)            | 61220-3              |
| G6P            | 3/4"         | 17.3 mm               | 2 Str. - 10 Sol. | 50 / 400          | 11 (5.0)            | 61221-0              |

**Notes:** \* RUS Listed and marked per RUS specification and traceability.

## Heavy-Duty Ground Rod Clamps (Hex-Head)



- Bronze alloy or stainless steel hardware both UL listed approved for direct burial in earth and concrete.
- Ground connection is secured by long bearing surface of clamp on ground wire.
- High-strength corrosion-resistant copper alloy.
- All Heavy Duty clamps UL Listed for direct burial in earth and concrete.
- UL listed for copper-coated, galvanized and stainless steel ground rods.
- Made In USA.**

| Catalog Number | Rod Diameter | Rod Diameter (metric) | Conductor Range   | Sub & Master Pack | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|--------------|-----------------------|-------------------|-------------------|---------------------|----------------------|
| JAB12H         | 1/2"         | 12.8 mm               | 2 Str. - 10 Sol.  | 100 / 800         | 12 (5.4)            | 70715-2              |
| JAB58H         | 5/8"         | 14.2 mm               | 1/0 Str. - 8 Sol. | 50 / 400          | 13 (5.9)            | 70716-9              |
| JAB58HH*       | 5/8"         | 14.2 mm               | 1/0 Str. - 8 Sol. | 50 / 400          | 14 (6.4)            | 61311-8              |
| JAB58HP        | 5/8"         | 14.2 mm               | 1/0 Str. - 8 Sol. | 50 / 400          | 13 (5.9)            | 61502-0              |
| JAB34H         | 3/4"         | 17.3 mm               | 1/0 Str. - 8 Sol. | 25 / 250          | 15 (6.8)            | 70717-6              |
| JAB34HH        | 3/4"         | 17.3 mm               | 3/0 Str. - 8 Sol. | 25 / 200          | 17 (7.7)            | 61495-5              |
| JAB1H          | 1"           | 25.4 mm               | 4/0 Str. - 8 Sol. | 50 / 400          | 25 (11.3)           | 70718-3              |

**Notes:** \*-HH represents "Heavy duty hex head design screw 1/2" – 13 threads with 9/16" hex head

-These items UL and CSA Listed except for JAB58HH and JAB34HH. JAB58H Listed for US and Canada - 7/16" -14 threads. -P designates tin plated.



## GROUND ROD COUPLINGS

Refer to ground rod part number  
for appropriate coupling

### Threadless Couplings for “Copper-Coated” Rods - Cast Bronze



- Refer to ground rod part number for appropriate coupling.
- Made In USA.



| Catalog Number | Ground Rod Diameter | Ground Rod Diameter (metric) | Pcs. Per Ctn. | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|---------------------|------------------------------|---------------|---------------------|----------------------|
| 50-TC*         | 1/2"                | 12.8 mm                      | 25            | 22 (10.0)           | 61344-6              |
| 60-TC**        | 5/8"                | 14.2 mm                      | 25            | 25 (11.3)           | 70724-4              |
| 70-TC*         | 3/4"                | 17.3 mm                      | 10            | 40 (18.1)           | 61223-4              |
| GRC-100CP***   | 1"                  | 25.4 mm                      | 10            | 90 (40.1)           | 61498-6              |

**Notes:** \* UL and CSA Listed/For use with UL and/or CSA Listed copper-coated rods only. \*\* UL and RUS Listed/For use with UL Listed copper-coated rods only. \*\*\* This item copper-plated steel.

### Threaded Couplings for “Copper-Coated” Sectional Rods - Cast Bronze



- Refer to ground rod part number for appropriate coupling.



| Catalog Number | Ground Rod Diameter | Ground Rod Diameter (metric) | Pcs. Per Ctn. | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|---------------------|------------------------------|---------------|---------------------|----------------------|
| 50-LC*         | 1/2" (9/16"-12)     | 12.8 mm                      | 25            | 17 (7.7)            | 70735-0              |
| 60-C**         | 5/8" (5/8"-11)      | 14.2 mm                      | 25            | 25 (11.3)           | 70720-6              |
| 70-C*          | 3/4" (3/4" - 10)    | 17.3 mm                      | 25            | 40 (18.1)           | 70721-3              |
| 80-C*          | 1" (1"-8)           | 25.4 mm                      | 25            | 100 (45.4)          | 70722-0              |

**Notes:** \* UL and CSA Listed for US and Canada. \*\* UL, RUS and CSA Listed Made from high-strength corrosion-resistant copper alloy, tapped for use on all standard threaded sectional rods.

### Threadless Couplings for “Hot-Dip Galvanized” Rods - Plated Steel



- Refer to ground rod part number for appropriate coupling.
- Made In USA.



| Catalog Number        | Ground Rod Diameter | Ground Rod Diameter (metric) | Pcs. Per Ctn. | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|-----------------------|---------------------|------------------------------|---------------|---------------------|----------------------|
| GRC-54G <sup>a</sup>  | 5/8"                | 14.2 mm                      | 100           | 30 (13.6)           | 61134-3              |
| GRC-625G <sup>o</sup> | 5/8"                | 14.2 mm                      | 100           | 30 (13.6)           | 61132-9              |
| GRC-34G               | 3/4"                | 17.3 mm                      | 25            | 38 (17.2)           | 61133-6              |
| GRC-100G <sup>s</sup> | 1"                  | 25.4 mm                      | 10            | 90 (40.1)           | 61492-4              |

**Notes:** <sup>a</sup> For GR6258 /UL Listed <sup>o</sup> For GR6258F <sup>s</sup> Coupling CSA Listed for US and Canada

### Threadless Couplings for “Stainless Steel” Rods



- Material 303 –stainless steel.
- Refer to ground rod part number for appropriate coupling.
- Made In USA.



| Catalog Number | Ground Rod Diameter | Ground Rod Diameter (metric) | Pcs. Per Ctn. | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|---------------------|------------------------------|---------------|---------------------|----------------------|
| GRC-58SS       | 5/8"                | 14.2 mm                      | 25            | 30 (13.6)           | 70683-4              |
| GRC-34SS       | 3/4"                | 17.3 mm                      | 25            | 38 (17.2)           | 70684-1              |
| GRC-100SS      | 1"                  | 25.4 mm                      | 25            | 90 (40.1)           | 61493-1              |

**Notes:** Listed by CSA for US and Canada

### Threaded Couplings for “Stainless Steel” Rods



- Material 303 stainless steel.
- Refer to ground rod part number for appropriate coupling.



| Catalog Number | Ground Rod Diameter | Ground Rod Diameter (metric) | Pcs. Per Ctn. | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|---------------------|------------------------------|---------------|---------------------|----------------------|
| GRC-58SST      | 5/8" (5/8" - 11)    | 14.2 mm                      | 25            | 30 (13.6)           | 61122-0              |
| GRC-34SST      | 3/4" (3/4" - 10)    | 17.3 mm                      | 25            | 38 (17.2)           | 61123-7              |
| GRC-100SST     | 1" (1" - 8)         | 25.4 mm                      | 25            | 90 (40.1)           | 61494-8              |

**Notes:** Listed by CSA for US and Canada

# INTERSYSTEM BONDING BRIDGE / ALUMINUM PIPE CLAMPS



## Drive Studs for All Copper Coated & Stainless Steel Rods



| Catalog Number | Ground Rod Diameter | Ground Rod Diameter (metric) | Pcs. Per Ctn. | Wt. Per 100 lb (kg) | NAED UPC No. 632591- |
|----------------|---------------------|------------------------------|---------------|---------------------|----------------------|
| 50-LDS         | 1/2" (9/16"-12)     | 12.8 mm                      | 10            | 16 (7.3)            | 70736-7              |
| 60-DS          | 5/8" (5/8"-11)      | 14.2 mm                      | 10            | 23 (10.4)           | 70728-2              |
| 70-DS          | 3/4" (3/4"-10)      | 17.3 mm                      | 10            | 35 (15.9)           | 70729-9              |
| 80-DS          | 1" (1"-8)           | 25.4 mm                      | 10            | 75 (34.0)           | 70730-5              |

**Notes:** Drive studs are produced from high-strength steel and may be used with all commercially available standard threaded couplings.  
UNC Threads.

## Intersystem Bonding Bridge

Used in residential and commercial applications to ground up to four (4) systems to a single location.

- Meets 2011 and 2014 NEC 250.94 requirement for Intersystem Bonding Termination.
- Lay-in style connection and good for up to four auxiliary ground wires.
- Available in die-cast zinc or copper alloy.
- Approved for use with solid or stranded copper conductors.
- Assembled with stainless steel screws and plastic cover.
- Plastic cover snaps on and provides protection and an easy and aesthetically pleasing installation.
- UL Listed.

| Catalog Number | Material     | Main Grounding Conductor Range | Auxiliary Ground Wire Range | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|----------------|--------------|--------------------------------|-----------------------------|---------------|-------------|----------------------|
| IBBZ           | Zinc Alloy   | #6 - #2                        | #14 - #4                    | 10            | 42          | 61504-4              |
| IBBCU          | Copper Alloy | #6 - #2                        | #14 - #4                    | 10            | 67          | 61505-1              |



IBBZ



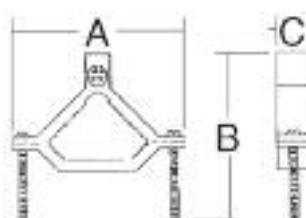
IBBCU



## Dual-rated Aluminum Ground Clamps

- For connecting ground conductor to steel or copper pipe or tubing.
- Tin plated for corrosion resistance.
- Dual-rated for copper or aluminum conductor.

| Catalog Number | Pipe Size   | Conductor Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions<br>A B C |      |      | NAED UPC No. 632591- |
|----------------|-------------|-----------------|---------------|-------------|---------------------|------|------|----------------------|
| GC1            | 1/2" - 1"   | 1/0-14          | 25            | 19          | 2.25                | 2.50 | 0.63 | 61132-9              |
| GC21           | 1-1/4" - 2" | 250-6           | 10            | 24          | 3.75                | 3.87 | 0.87 | 61133-6              |
| GC41           | 2-1/2" - 4" | 250-6           | 10            | 49          | 6.31                | 5.62 | 0.87 | 61134-3              |





## PIPE GROUND CLAMPS

### Direct Burial Ground Clamp

- Constructed from bronze alloy and stainless-steel screws for direct burial in earth and concrete.
- Lay-In feature simplifies routing of conductor during installation.
- Combines several pipe-type clamps into a single inventory item.
- UL Listed for "direct burial" in earth and concrete.
- Represents a cost-reduction for distributor and end-user alike.
- Ideal for pool & spa bonding.



JRD  E198108

|            | Size      | Conductor Range | Sub & Master Pack | Wt. Per 100 | NAED UPC No. 632591- |
|------------|-----------|-----------------|-------------------|-------------|----------------------|
| Rebar Size | 3/8" - 1" | 10 Sol.-2 Str.  | 25/100            | 25          | 61327-9              |
| Pipe Size  | 1/2" - 1" | 10 Sol.-2 Str.  | 25/100            | 25          | 61327-9              |
| Rod Size   | 1/2" - 1" | 10 Sol.-2 Str.  | 25/100            | 25          | 61327-9              |

• One universal clamp for pipe, rebar, and ground rod.

JRD - 4/0  E198108

|            | Size      | Conductor Range    | Sub & Master Pack | Wt. Per 100 | NAED UPC No. 632591- |
|------------|-----------|--------------------|-------------------|-------------|----------------------|
| Rebar Size | 3/8" - 1" | #8 Str. - 4/0 Str. | 25/100            | 56          | 61327-9              |
| Pipe Size  | 1/2" - 1" | #8 Str. - 4/0 Str. | 25/100            | 56          | 61327-9              |
| Rod Size   | 1/2"-3/4" | #8 Str. - 4/0 Str. | 25/100            | 56          | 61327-9              |

### Bolted Water Pipe Ground Clamps

All clamps except DCG are manufactured from high-strength corrosion-resistant copper alloy.



 E117523

| Catalog Number                 | Pipe Size   | Conductor Range | Sub & Master Pack | Wt. Per 100 | NAED UPC No. 632591- |
|--------------------------------|-------------|-----------------|-------------------|-------------|----------------------|
| <b>COPPER ALLOY, UL LISTED</b> |             |                 |                   |             |                      |
| GC                             | 1/2" - 1"   | 10 Sol.-2 Str.  | 25/100            | 21          | 70739-8              |
| GC2                            | 1-1/4" - 2" | 10 Sol.-2 Str.  | 50                | 42          | 70741-1              |
| G2124                          | 2-1/2" - 4" | 10 Sol.-4 Str.  | 20                | 105         | 61266-1              |
| G4146                          | 4-1/4" - 6" | 10 Sol.-4 Str.  | 10                | 194         | 61226-5              |

| Catalog Number                     | Pipe Size | Conductor Range | Sub & Master Pack | Wt. Per 100 | NAED UPC No. 632591- |
|------------------------------------|-----------|-----------------|-------------------|-------------|----------------------|
| <b>COPPER ALLOY, NON UL LISTED</b> |           |                 |                   |             |                      |
| GCJ                                | 1/2" - 1" | 10 Sol.-2 Str.  | 25/100            | 16          | 70740-4              |

| Catalog Number                                                        | Pipe Size   | Conductor Range  | Sub & Master Pack | Wt. Per 100 | NAED UPC No. 632591- |
|-----------------------------------------------------------------------|-------------|------------------|-------------------|-------------|----------------------|
| <b>UL LISTED, DIRECT BURIAL WITH BRONZE OR STAINLESS STEEL SCREWS</b> |             |                  |                   |             |                      |
| JD                                                                    | 1/2" - 1"   | 10 Sol. - 2 Str. | 25/200            | 21          | 70758-9              |
| JD2                                                                   | 1-1/4" - 2" | 10 Sol. - 2 Str. | 50                | 48          | 61301-9              |

| Catalog Number                  | Pipe Size | Conductor Range | Sub & Master Pack | Wt. Per 100 | NAED UPC No. 632591- |
|---------------------------------|-----------|-----------------|-------------------|-------------|----------------------|
| <b>ZINC DIE CAST, UL LISTED</b> |           |                 |                   |             |                      |
| DCG                             | 1/2" - 1" | 8 Sol.-2 Str.   | 25/250            | 15          | 70744-2              |



## Ground Clamps for Rigid Conduit With Copper Strap

- Used to connect grounding conductor in rigid conduit to water pipe for grounding.
- Copper strap allows flexibility during grounding and helps protect conduit system from the effects of vibrations in water system.
- Available with 360° swing hub (GLH).
- Cast from high strength, highly conductive copper alloy.

| Catalog Number | Pipe Size | Pcs. Per Ctn. | Wt. Per 100 | Conduit Size | Technical Data |               | NAED UPC No. 632591- |
|----------------|-----------|---------------|-------------|--------------|----------------|---------------|----------------------|
|                |           |               |             |              | Min Wire Size  | Max Wire Size |                      |
| GC-11CSLH-1    | 1/2" - 1" | 35            | 54          | 1/2"         | 10 sol.        | 6 str.        | 61228-9              |
| GC-11CSLH-2    | 1/2" - 1" | 30            | 58          | 3/4"         | 10 sol.        | 2/0 str.      | 61230-2              |
| GC-11CSLH-3    | 1/2" - 1" | 30            | 68          | 1"           | 10 sol.        | 3/0 str.      | 61232-6              |



E88878



## Conduit Hubs

- Used with ground pipe clamp to connect rigid conduit to water pipe for grounding.
- 360° swing type hub provides flexibility connection.
- Cast from high strength, highly conductive copper alloy.



### Regular Type

| Catalog Number | Conduit Size | Pcs. Per Ctn. | Wt. Per 100 | Technical Data |               | NAED UPC No. 632591- |
|----------------|--------------|---------------|-------------|----------------|---------------|----------------------|
|                |              |               |             | Min Wire Size  | Max Wire Size |                      |
| GH-1           | 1/2"         | 150           | 11          | 8 sol.         | 4 str.        | 61260-9              |
| GH-2           | 3/4"         | 75            | 20          | 8 sol.         | 4 str.        | 61261-6              |
| GH-3           | 1"           | 50            | 25          | 8 sol.         | 4 str.        | 61262-3              |

### 360° Swing Hub

| Catalog Number | Conduit Size | Pcs. Per Ctn. | Wt. Per 100 | Technical Data |               | NAED UPC No. 632591- |
|----------------|--------------|---------------|-------------|----------------|---------------|----------------------|
|                |              |               |             | Min Wire Size  | Max Wire Size |                      |
| GLH-1          | 1/2"         | 50            | 20          | 10 sol.        | 6 str.        | 61263-0              |
| GLH-2          | 3/4"         | 50            | 29          | 10 sol.        | 2/0 str.      | 61264-7              |
| GLH-3          | 1"           | 25            | 31          | 10 sol.        | 3/0 str.      | 61265-4              |



E88878



## Ground Clamps For Rigid Conduit

- Used to connect grounding conductor in rigid conduit to water pipe for grounding.
- Available with zinc plated screws.
- Cast from high strength, highly conductive copper alloy.

### With Steel Screws

| Catalog Number | Pipe Size   | Pcs. Per Ctn. | Wt. Per 100 | Conduit Size | Technical Data |               | NAED UPC No. 632591- |
|----------------|-------------|---------------|-------------|--------------|----------------|---------------|----------------------|
|                |             |               |             |              | Min Wire Size  | Max Wire Size |                      |
| GC-61          | 1/2" - 1"   | 25            | 34          | 1/2"         | 8 Sol.         | 4 str.        | 61239-5              |
| GC-62          | 1/2" - 1"   | 25            | 40          | 3/4"         | 8 Sol.         | 4 str.        | 61240-1              |
| GC-63          | 1/2" - 1"   | 25            | 47          | 1"           | 8 Sol.         | 4 str.        | 61241-8              |
| GC-66          | 1-1/4" - 2" | 25            | 52          | 1/2"         | 8 Sol.         | 4 str.        | 61242-5              |
| GC-67          | 1-1/4" - 2" | 25            | 59          | 3/4"         | 8 Sol.         | 4 str.        | 61243-2              |
| GC-68          | 1-1/4" - 2" | 25            | 63          | 1"           | 8 Sol.         | 4 str.        | 61244-9              |



E88878





## PIPE GROUND CLAMPS

### Ground Clamps For Rigid Conduit with Swivel Hub

- Used to connect grounding conductor in rigid conduit to water pipe for grounding.
- Hub swings 360° for easy alignment.
- Assembled with zinc plated steel screws.
- Cast from high strength, highly conductive copper alloy.



E88878



| Catalog Number | Pipe Size   | Pcs. Per Ctn. | Wt. Per 100 | Conduit Size | Technical Data |               | NAED UPC No. 632591- |
|----------------|-------------|---------------|-------------|--------------|----------------|---------------|----------------------|
|                |             |               |             |              | Min Wire Size  | Max Wire Size |                      |
| GC-11LH-1      | 1/2" - 1"   | 25            | 41          | 1/2"         | 10 sol.        | 6 str.        | 61245-6              |
| GC-11LH-2      | 1/2" - 1"   | 25            | 50          | 3/4"         | 10 sol.        | 2/0 str.      | 61246-3              |
| GC-11LH-3      | 1/2" - 1"   | 25            | 55          | 1"           | 10 sol.        | 3/0 str.      | 61247-0              |
| GC-22LH-1      | 1-1/4" - 2" | 25            | 66          | 1/2"         | 10 sol.        | 6 str.        | 61248-7              |
| GC-22LH-2      | 1-1/4" - 2" | 25            | 69          | 3/4"         | 10 sol.        | 2/0 str.      | 61249-4              |
| GC-22LH-3      | 1-1/4" - 2" | 25            | 76          | 1"           | 10 sol.        | 3/0 str.      | 61250-0              |
| GC-4LH-1       | 2-1/2" - 4" | 10            | 124         | 1/2"         | 10 sol.        | 6 str.        | 61251-7              |
| GC-4LH-2       | 2-1/2" - 4" | 10            | 131         | 3/4"         | 10 sol.        | 2/0 str.      | 61252-4              |
| GC-4LH-3       | 2-1/2" - 4" | 10            | 133         | 1"           | 10 sol.        | 3/0 str.      | 61253-1              |

### Ground Clamps for Armored Cable 360° Swivel Type



E88878



| Catalog Number | Pipe Size    | Pcs. Per Ctn. | Wt. Per 100 | Technical Data |               | NAED UPC No. 632591- |
|----------------|--------------|---------------|-------------|----------------|---------------|----------------------|
|                |              |               |             | Min Wire Size  | Max Wire Size |                      |
| GC-11JA        | 1/2" to 1"   | 25            | 41          | 10 sol.        | 6 str.        | 61257-9              |
| GC-22JA        | 1-1/4" to 2" | 25            | 66          | 10 sol.        | 6 str.        | 61258-6              |
| GC-4JA         | 2-1/2" to 4" | 10            | 122         | 10 sol.        | 6 str.        | 61259-3              |

### Ground Clamps for Armored Cable

- Used to connect armored cable to water pipe for grounding.
- Special pressure bar grips armored cable insulation to decrease chances of grounding conductor being pulled out.
- Available with steel or bronze screws.
- Cast from high strength, highly conductive copper alloy.



E88878



#### With steel screws

| Catalog Number     | Pipe Size   | Pcs. Per Ctn. | Wt. Per 100 | Technical Data |               | NAED UPC No. 632591- |
|--------------------|-------------|---------------|-------------|----------------|---------------|----------------------|
|                    |             |               |             | Min Wire Size  | Max Wire Size |                      |
| GC-6               | 1/2" - 1"   | 25/250        | 27          | 8 sol.         | 4 str.        | 61233-3              |
| GC-7               | 1-1/4" - 2" | 25            | 48          | 8 sol.         | 4 str.        | 61235-7              |
| GC-71 <sup>§</sup> | 2-1/2" - 4" | 10            | 146         | 8 sol.         | 4 str.        | 61236-4              |
| GC-72 <sup>§</sup> | 4-1/2" - 6" | 10            | 192         | 8 sol.         | 4 str.        | 61237-1              |

#### With bronze screws for direct burial

| Catalog Number | Pipe Size | Pcs. Per Ctn. | Wt. Per 100 | Technical Data |               | NAED UPC No. 632591- |
|----------------|-----------|---------------|-------------|----------------|---------------|----------------------|
|                |           |               |             | Min Wire Size  | Max Wire Size |                      |
| GC-6D          | 1/2" - 1" | 25/250        | 28          | 8 Sol.         | 4 str.        | 61238-8              |

Notes: <sup>§</sup>-UL Listed



## Vise-Connector

- For main with tap
- One-piece, side loading.
- Cast copper.
- **Made in USA.** 



| Catalog Number | Conductor Range Tap/Main | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|----------------|--------------------------|---------------|-------------|----------------------|
| VC-6SH*        | #10 Sol. - #6 Sol.Cu     | 100           | 9           | 70750-3              |
| VC-6SH-P*      | #10 Sol. - #6 Sol.Cu     | 100           | 9           | 71506-5              |
| VC-4           | #8 Sol. - #4 Sol.Cu      | 50            | 15          | 70751-0              |
| VC-2           | #6 Sol. - #2 Sol.Cu      | 50            | 18          | 70752-7              |
| VC-2S          | #5 Sol. - #2 Str.Cu      | 50            | 18          | 61355-2              |
| VC-20          | #4 Sol. - 1/0 Str.Cu     | 50            | 25          | 61356-9              |
| VC-20S         | #3 Sol. - 2/0 Str.Cu     | 20            | 36          | 61357-6              |
| VC-40          | #1 Sol. - 4/0 Str.Cu     | 10            | 41          | 61358-3              |

Notes: \* P = Plated \* SH= Slotted-Head Bolt

## Type TTC Transformer Tank Ground Connectors

- High-conductivity bronze.
- 1/2" - 13 stud fits all standard EEL- NEMA distribution transformers.
- Accommodates cable in either horizontal or vertical direction.
- P suffix indicates tin plated connector.
- **Made in USA.** 



| Catalog Number | Conductor Range    | Stud Thread Size | Dimensions |        |          | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|----------------|--------------------|------------------|------------|--------|----------|---------------|-------------|----------------------|
|                |                    |                  | A-Length   | Width  | C-Height |               |             |                      |
| TTC-2          | 2/0 Str. to 8 Sol. | 1/2--13          | 1-51/64    | 1-9/64 | 1-21/64  | 100           | 22          | 61366-8              |
| TTC-3          | 1 Str. to 10 Sol.  | 1/2--13          | 1-3/8      | 1-3/64 | 1-9/16   | 100           | 20          | 61367-5              |
| TTC-4          | 1 Str. to 10 Sol.  | 1/2--13          | 1-1/4      | 7/8    | 1-3/8    | 100           | 16          | 61368-2              |
| TTC-2P         | 2/0 Str. to 8 Sol. | 1/2--13          | 1-51/64    | 1-9/64 | 1-21/64  | 100           | 22          | 61369-9              |
| TTC-3P         | 1 Str. to 10 Sol.  | 1/2--13          | 1-3/8      | 1-3/64 | 1-9/16   | 100           | 20          | 61370-5              |
| TTC-4P         | 1 Str. to 10 Sol.  | 1/2--13          | 1-1/4      | 7/8    | 1-3/8    | 100           | 16          | 61371-2              |

## Transformer Ground Connectors



| Catalog Number | Conductor Range    | Stud Thread Size | Bolt      | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|----------------|--------------------|------------------|-----------|---------------|-------------|----------------------|
| VC207          | 8 Sol. to 1/0 Str. | 1/2-13-UNC-2/4   | 9/16" Hex | 25            | 10          | 61372-9              |

- **Made in USA.** 



## Type PAC Aluminum With Copper Liner

- Corrosion resistant design and construction.
- No assembly required.
- Cast aluminum body surrounds copper liner, sealing out moisture.
- Made in USA. 

| Catalog Number Standard | Conductor Range |                       |                          | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|-------------------------|-----------------|-----------------------|--------------------------|---------------|-------------|----------------------|
|                         | Main            |                       | Tap                      |               |             |                      |
|                         | ACSR            | Aluminum              | Copper                   |               |             |                      |
| PAC 345                 | 1/0-8           | 1/0 Sol.-8 Str.       | 1/0 Sol.-8 Str.          | 50            | 23          | 61380-4              |
| PAC 7                   | 336.4-1/0       | 400-2/0<br>1/0 - 6 AR | 1/0-8 Sol.<br>1/0 - 6 AR | 25            | 23          | 61379-8              |

**Note:** Add suffix "9" for prefilled with inhibitor



## Type DGC Drive-On Ground Clamp

| Catalog Number | Ground Rod Size     | Pieces/ Cartons | WT/ C | Ground Wire Size       | NAED UPC No. 632591 |
|----------------|---------------------|-----------------|-------|------------------------|---------------------|
| DGC-5844       | 5/8 (0.555 - 0.565) | 50              | 20    | 1 or 2 - #4 Sol.       | 61329-3             |
| DGC-5866       | 5/8 (0.555 - 0.565) | 30              | 20    | 1 or 2 - #6 Sol.       | 61330-9             |
| DGC-5846       | 5/8 (0.555 - 0.565) | 30              | 20    | 1 or 2 - #4 or #6 Sol. |                     |

- For use on all 5/8" diameter UL Listed copper-coated ground rods.
- Used to bond one or two, #4 or #6, solid copper conductors respectively.
- Produced from high-strength copper alloy, the same material as UL Listed "acorn" type ground rod clamps.
- May be used effectively for direct-burial applications.
- To install, the only required tool is a hammer. Compression forces maximize the "direct" surface-to-surface copper contact between conductor and ground rod electrode.
- A drive-head should be used during installation of the ground rod electrode into the soil, thus minimizing any possible mushrooming or deformation on the drive (or chamfer) end of the rod. This will improve ease of installation of the drive-on clamp.
- This design places the grounding conductor in "direct" contact with the ground rod, thereby eliminating multiple paths for the current to follow, which could contribute to increased resistance.
- Made in USA. 

### To Install:

- Select the proper connector from the above chart.
- Drive the ground rod electrode to the proper depth per national or local code recommendations.
- Position connector and ground rod conductors as shown in middle illustration.
- Drive connector onto rod until top of connector is flush with top of ground rod as shown in adjacent illustration. Galvan suggests using a 20-ounce hammer.





## Bonding and Grounding Connectors

- Designed for easy installation, high conductivity and long life.
- Install with wrench (hex head) or pliers (square).



| Catalog Number | Galv Steel Strand | Copper Tap   | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- | Finish Description       |
|----------------|-------------------|--------------|---------------|-------------|----------------------|--------------------------|
| K1**           | 1/4"-7/16"        | #8 sol.- 2/0 | 100           | 16          | 70746-6              | Fully Plated/Tap-Grooved |
| K2             | 1/4"-7/16"        | #8 sol.- 2/0 | 100           | 16          | 70747-3              | Fully Plated             |
| K3             | 1/4"-7/16"        | #8 sol.- 2/0 | 100           | 16          | 70748-0              | Not Plated               |
| KUL*           | 1/4"-7/16"        | #8 sol.- 2/0 | 100           | 16          | 70749-7              | Fully Plated             |

Notes: \*Denotes UL Listed \*\* RUS Listed

## Figure 8 Or IM Cable Insulation Piercing Connector

- Cast Bronze.
- Tin Plated.
- Teeth pierce messenger insulation.



| Catalog Number | Conductor Range                  | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|----------------|----------------------------------|---------------|-------------|----------------------|
| CC167P         | .146-.312 cable to .146-.312 tap | 50            | 23          | 70753-4              |

Notes: Teeth puncture insulation during tightening for a positive ground without skinning conductor.

## Kenny Clamp

Galvan Kenny Clamps are your best choice to ensure that grounding electrode conductor installations are code compliant. The Kenny Clamp is UL-Listed for the bonding and grounding of electrode connectors in panel boards, pad mounts, dry-type transformers, metallic raceways and enclosures. Simply install Galvan's Kenny Clamp through a 1/2-inch knockout with paint removed, tighten the steel locknut, insert the grounding electrode through the clamp and tighten the compression nut. Your installation is now NEC Code compliant. The Kenny Clamp saves time and money compared to current non-compliant alternatives.

### Kenny Clamp

- Eliminates potential for a choke at the hole.
- Meets UL 467 for bonding/grounding.
- Meets UL 486A for connectors.
- Complies with NEC 110.3(B) and 250.8 (using listed grounding or bonding connector for proper application).
- Complies with NEC 250.64(E) (entering and exiting metallic raceways and enclosures).



| Catalog Number | Conductor Range | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|----------------|-----------------|---------------|-------------|----------------------|
| KCCA-8 sol.    | #8 solid        | 10            | 31          | 613927               |
| KCCA-8 str.    | #8 stranded     | 10            | 31          | 613934               |
| KCCA-6 sol.    | #6 solid        | 10            | 31          | 613941               |
| KCCA-6 str.    | #6 stranded     | 10            | 31          | 613958               |
| KCCA-4 sol.    | #4 solid        | 10            | 31          | 613965               |
| KCCA-4 str.    | #4 stranded     | 10            | 31          | 613972               |
| KCCA-2 str.    | #2 stranded     | 10            | 31          | 613989               |
| KCCA-1/0       | 1/0             | 10            | 31          | 613996               |
| KCCA-2/0       | 2/0             | 10            | 31          | 614009               |
| KCCA-3/0       | 3/0             | 10            | 31          | 614016               |



## SPLIT BOLTS

### Type 'K' Copper Split Bolts

- For copper to copper connections.
- Bolt and nut of high strength corrosion resistant bronze alloy.
- Tested and listed to UL 486A requirements.
- Direct Burial.
- **Made in USA.** 



| Catalog Number | Range of Equal Main & Tap Conductors | Pcs. Per Ctn. | Wt. Per 100 | Min Tap With One Max. Main | NAED UPC No. 632591- |
|----------------|--------------------------------------|---------------|-------------|----------------------------|----------------------|
| K-10           | 10 Str. - 12 Str.                    | 100           | 2           | 14 Sol.                    | 71322-1              |
| K-8            | 8 Str. - 10 Str.                     | 100           | 3           | 14 Sol.                    | 71335-1              |
| K-6*           | 6 Sol. - 8 Str.                      | 100           | 5.5         | 14 Sol.                    | 71333-7              |
| K-4            | 4 Sol. - 8 Str.                      | 100           | 7           | 14 Sol.                    | 71330-6              |
| K-1            | 2 Str. - 6 Str.                      | 100           | 15          | 14 Sol.                    | 71320-7              |
| K-1/0          | 1/0 Str. - 4 Str.                    | 50            | 19          | 14 Sol.                    | 71321-4              |
| K-2/0          | 2/0 Str. - 2 Str.                    | 25            | 30          | 14 Sol.                    | 71325-2              |
| K-3/0          | 3/0 Str. - 2 Str.                    | 25            | 34          | 14 Sol.                    | 71328-3              |
| K-250          | 250 Kcmil. - 1 Str.                  | 25            | 35          | 8 Sol.                     | 71326-9              |
| K-350          | 350 Kcmil. - 1/0                     | 12            | 77          | 1/0 Str.                   | 71329-0              |
| K-500          | 500 Kcmil. - 2/0                     | 12            | 90          | 2/0 Str.                   | 71332-0              |
| K-750          | 750 Kcmil. - 4/0                     | 6             | 195         | 4/0 Str.                   | 71334-4              |
| K-1000         | 1000 Kcmil. - 300 Kcmil.             | 6             | 280         | 4/0 Str.                   | 71323-8              |

**Notes:** \*RUS Listed UL Listed and CSA Certified for COPPER conductor only.

### Three Wire Split Bolts

- Accommodates 3 maximum size conductors.
- For copper to copper connections.
- Bolt and nut of high strength corrosion resistant bronze alloy.

| Catalog Number | Range of Equal Main & Tap Conductors | Pcs. Per Ctn. | Wt. Per 100 | Min Tap With One Max. Main | NAED UPC No. 632591- |
|----------------|--------------------------------------|---------------|-------------|----------------------------|----------------------|
| K-2/3          | 2 Solid - #6 Str.                    | 100           | 10.0        | 14 Sol.                    | 61318-7              |
| K-4/3          | 4 Solid - #8 Str.                    | 100           | 7.5         | 14 Sol.                    | 61319-4              |
| K-6/3          | 6 Solid - #8 Str.                    | 100           | 6.0         | 14 Sol.                    | 61320-0              |

### Type 'S' Copper Split Bolts - Tin Plated with Spacer

- For use on copper, aluminum, and ACSR conductors.
- Bolt and pressure bar of copper alloy completely tin plated.
- Oxide inhibitor recommended when used on aluminum conductor.
- Tin plated, high strength copper alloy split bolt with spacer separates dissimilar conductors which allow you to connect: copper to copper; copper to aluminum; aluminum to aluminum.
- **Made in USA.** 



Copper only



Copper only

| Catalog Number | Range of Equal Main & Tap Conductors | Pcs. Per Ctn. | Wt. Per 100 | Min Tap With One Max. Main | NAED UPC No. 632591- |
|----------------|--------------------------------------|---------------|-------------|----------------------------|----------------------|
| S-6            | 6 Sol. - 12 Sol.                     | 100           | 8           | 12 Sol.                    | 71518-8              |
| S-4            | 4 Sol. - 10 Sol.                     | 100           | 11          | 12 Sol.                    | 71515-7              |
| S-2            | 2 Sol. - 10 Sol.                     | 100           | 15          | 8 Sol.                     | 71510-2              |
| S-1            | 2 Str. - 8 Str.                      | 100           | 18          | 8 Sol.                     | 71507-2              |
| S-1/0          | 1/0 - 10 Str.                        | 50            | 26          | 6 Sol.                     | 71508-9              |
| S-2/0          | 2/0 Str. - 8 Str.                    | 25            | 39          | 6 Sol.                     | 71511-9              |
| S-3/0          | 3/0 Str. - 8 Sol.                    | 25            | 45          | 4 Sol.                     | 71513-3              |
| S-250          | 250 Kcmil. - 8 Str.                  | 25            | 59          | 4 Sol.                     | 61285-2              |
| S-350          | 350 Kcmil. - 4 Str.                  | 12            | 86          | 2 Sol.                     | 71514-0              |
| S-500          | 500 Kcmil. - 2 Str.                  | 12            | 105         | 1/0 Str.                   | 71517-1              |



## Dual-Rated Aluminum Split Bolt Connectors

- For aluminum to aluminum, copper to aluminum and copper to copper.
- GALVAN aluminum split bolts made from high strength heat treated aluminum alloy that is highly resistant to corrosion.
- The design provides, under torque, high contact pressure between conductors.
- Meets requirements of the UL486B Standard.
- **Made in USA.** 



| Catalog Number | Max. Run To Min. Tap | Pcs. Per Ctn. | Wt. Per 100 | Min. Tap With One Max. Main | NAED UPC No. 632591- |
|----------------|----------------------|---------------|-------------|-----------------------------|----------------------|
| A-6            | 6 Str. - 10 Sol.     | 100           | 6           | 10 Sol.                     | 70860-9              |
| A-4            | 4 Str. - 10 Sol.     | 100           | 6           | 10 Sol.                     | 70857-9              |
| A-2            | 2 Str. - 8 Sol.      | 100           | 9           | 8 Sol.                      | 70853-1              |
| A-1/0          | 1/0 - 8 Sol.         | 50            | 11          | 4 Sol.                      | 70852-4              |
| A-2/0          | 2/0 - 8 Str.         | 25            | 17          | 4 Sol.                      | 70854-8              |
| A-4/0          | 4/0 - 6 Str.         | 30            | 25          | 2 Sol.                      | 70858-6              |
| A-350          | 350 Kcmil - 4 Str.   | 20            | 45          | 2 Str.                      | 70856-2              |
| A-500          | 500 Kcmil - 1 Str.   | 20            | 60          | 2 Str.                      | 70859-3              |



## INSULATION PIERCING CONNECTORS

Galvan IPC Series connectors are an easy fit in copper-to-copper, copper-to-aluminum and aluminum-to-aluminum applications. Designed for splice or tap use, these units are not recommended for use with extra-flexible cables. The connectors are fully insulated and safe to install without special tools. IPC connectors eliminate time spent on wire stripping, taping and covers.

### Insulation Piercing Connectors-IPC

- Wire range: #14 AWG to 750 MCM.
- Versatile and reliable.
- Use only with insulated conductors.
- Installs without tape, stripping or cover.
- Easy one-person installation.
- UL 486B listed .
- Rated: 600 volts, 90° C.



E155274



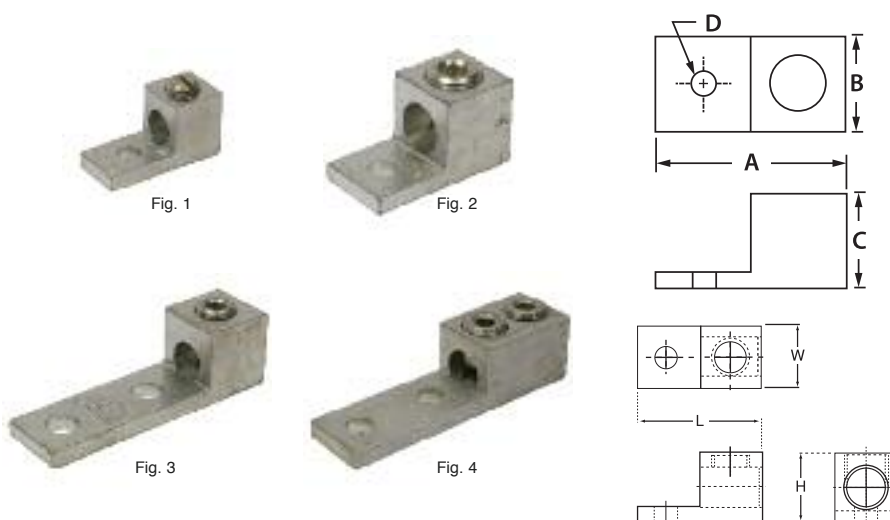
| Catalog Number | Conductor Range |         | No. Of Bolts | Pieces Per Carton | Weight Per 100 | NAED UPC No. 632591- |
|----------------|-----------------|---------|--------------|-------------------|----------------|----------------------|
|                | Main AWG        | Tap AWG |              |                   |                |                      |
| IPC-1/0-2      | 1/0-8           | 2-10    | 1            | 6                 | 30             | 61453-5              |
| IPC-1/0-1/0    | 1/0-8           | 1/0-8   | 1            | 6                 | 30             | 61454-2              |
| IPC-2/0-10     | 2/0-4           | 10-14   | 1            | 6                 | 23             | 61456-9              |
| IPC-4/0-2      | 4/0-3           | 2-10    | 1            | 6                 | 26             | 61456-6              |
| IPC-4/0-2/0    | 4/0-2           | 2/0-6   | 1            | 4                 | 41             | 61457-3              |
| IPC-4/0-4/0    | 4/0-2           | 4/0-4   | 1            | 4                 | 43             | 61458-0              |
| IPC-350-350    | 350-1/0         | 350-1/0 | 2            | 2                 | 111            | 61459-7              |
| IPC-500-4/0    | 500-2/0         | 4/0-4   | 2            | 2                 | 116            | 61460-3              |
| IPC-500-350    | 500-4/0         | 350-1/0 | 2            | 2                 | 111            | 61461-0              |
| IPC-750-500    | 750-250         | 500-250 | 2            | 2                 | 166            | 61462-7              |



## Dual-Rated Solderless Connectors

For use with both aluminum and copper conductors.

- **GALVAN** aluminum dual-rated connectors are manufactured from high strength 6061-T6 aluminum alloy to insure both maximum strength and conductivity.
- They are dual-rated for both copper and aluminum conductors and are electro-tin plated to provide low contact resistance and protection against corrosion.
- Assembly can be made with only a screwdriver or allen wrench and the connectors are re-useable.



| Catalog Number | Discontinued Catalog Number | Fig. No. | Cond. Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------------------------|----------|-------------|---------------|-------------|------------|------|------|------|-----------|----------------------|
|                |                             |          |             |               |             | A          | B    | C    | D    |           |                      |
| LA-6           | AB-50                       | 1        | 6-14        | 100           | 1.5         | 1.06       | 0.50 | 0.50 | 0.27 | 1/4       | 71403-7              |
| LA-2           | AB-70                       | 1        | 2-14        | 100           | 2           | 1.06       | 0.50 | 0.56 | 0.27 | 1/4       | 71393-1              |
| LA-1/0         | AB-112                      | 1        | 1/0-14      | 50            | 4           | 1.47       | 0.63 | 0.78 | 0.27 | 1/4       | 71386-3              |
| LA-2/0         | AB-125                      | 2        | 2/0-14      | 50            | 5           | 1.47       | 0.63 | 0.78 | 0.27 | 1/4       | 71394-8              |
| LA-250         | AB-250                      | 2        | 250-6       | 25            | 14          | 2.00       | 1.00 | 1.13 | 0.33 | 5/16      | 71395-5              |
| LA-350         | AB-350                      | 2        | 350-6       | 25            | 20          | 2.25       | 1.13 | 1.25 | 0.41 | 3/8       | 71399-3              |
| LA-500         | AB-500                      | 2        | 500-4       | 12            | 39          | 2.82       | 1.50 | 1.56 | 0.41 | 3/8       | 71402-0              |
| LA-600         | AB-600                      | 2        | 600-2       | 12            | 45          | 2.82       | 1.50 | 1.56 | 0.41 | 3/8       | 71406-8              |
| LA-800         | -                           | 2        | 800-300     | 3             | 55          | 3.50       | 1.75 | 1.94 | 0.66 | 5/8       | 71408-2              |
| LA-1000        | AB-1000                     | 2        | 1000-500    | 3             | 65          | 3.50       | 1.75 | 1.94 | 0.66 | 5/8       | 71610-9              |
| L1M2-350*      | A1B2-350                    | 3        | 350-6       | 6             | 25          | 4.25       | 1.25 | 1.38 | 0.53 | 1/2       | 71341-2              |
| L1M2-600*      | A1B2-600                    | 3        | 600-2       | 3             | 50          | 4.69       | 1.50 | 1.50 | 0.53 | 1/2       | 71342-9              |
| L1D2-350*      | A1B2-350-2                  | 4        | 350-6       | 3             | 35          | 5.31       | 1.50 | 1.50 | 0.53 | 1/2       | 71338-2              |
| L1D2-600*      | A1B2-600-2                  | 4        | 600-2       | 3             | 50          | 5.31       | 1.50 | 1.50 | 0.53 | 1/2       | 71339-9              |
| L1D2-800*      | -                           | 4        | 800-300     | 3             | 100         | 6.18       | 1.88 | 1.88 | 0.53 | 1/2       | 71340-5              |
| L1D2-1000*     | A1B2-1000-2                 | 4        | 1000-500    | 3             | 105         | 6.18       | 1.88 | 1.88 | 0.53 | 1/2       | 71336-8              |

**Notes:** \*NEMA Hole Spacing of 1.75"

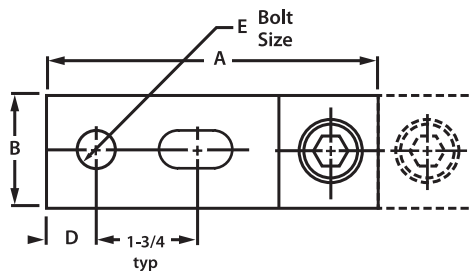
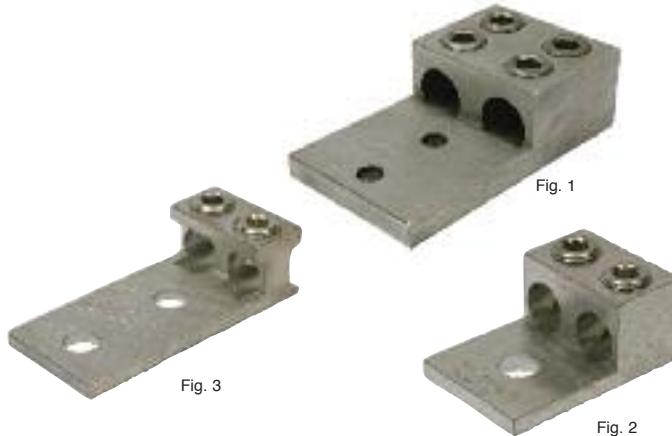


# GENERAL PURPOSE MECHANICAL CONNECTORS

## Dual-Rated Solderless Connectors

For use with both aluminum and copper conductors.

- **GALVAN** aluminum dual-rated connectors are manufactured from high strength 6061-T6 aluminum alloy to insure both maximum strength and conductivity.
- They are dual-rated for both copper and aluminum conductors and are electro-tin plated to provide low contact resistance and protection against corrosion.
- Assembly ca<sup>o</sup> with only a screwdriver or allen wrench and the connectors are re-useable.



E26130



| Catalog Number | Discontinued Catalog Number | Fig. No. | Cond. Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------------------------|----------|-------------|---------------|-------------|------------|------|------|------|------|-----------|----------------------|
|                |                             |          |             |               |             | A          | B    | C    | D    | E    |           |                      |
| DLA-1/0        | DLA-112                     | 2        | 1/0-14      | 12            | 8           | 1.47       | 1.13 | 0.78 | 0.28 | 0.27 | 1/4       | 71246-0              |
| DLA-2/0        | DLA-125                     | 2        | 2/0-14      | 12            | 9           | 1.47       | 1.25 | 0.79 | 0.28 | 0.27 | 1/4       | 71248-4              |
| DLA-250        | 2AB-250                     | 2        | 250-6       | 6             | 25          | 2.56       | 1.63 | 1.19 | 0.41 | 0.41 | 3/8       | 71249-1              |
| DLA-350        | 2AB-350                     | 2        | 350-6       | 6             | 30          | 2.88       | 1.94 | 1.25 | 0.56 | 0.53 | 1/2       | 71250-7              |
| DLA-600        | 2AB-600                     | 2        | 600-2       | 3             | 50          | 3.19       | 2.41 | 1.56 | 0.56 | 0.53 | 1/2       | 71251-4              |
| DLA-800        | -                           | 2        | 800-300     | 3             | 110         | 3.50       | 3.50 | 1.94 | 0.56 | 0.66 | 5/8       | 71252-1              |
| DLA-1000       | 2AB-1000                    | 2        | 1000-500    | 3             | 110         | 3.50       | 3.50 | 1.94 | 0.56 | 0.66 | 5/8       | 71245-3              |
| L2M2-350       | 2AB2-350                    | 3        | 350-6       | 3             | 50          | 4.25       | 1.92 | 1.18 | 0.63 | 0.56 | 9/16      | 71347-4              |
| L2M2-500       | 2AB2-500                    | 3        | 500-2       | 3             | 97          | 4.59       | 2.40 | 1.56 | 0.63 | 0.56 | 9/16      | 61269-2              |
| L2M2-600       | 2AB2-600                    | 3        | 600-2       | 3             | 97          | 4.59       | 2.40 | 1.56 | 0.63 | 0.56 | 9/16      | 61270-8              |
| L2M2-1000      | 2AB2-1000                   | 3        | 1000-500    | 3             | 134         | 4.94       | 3.50 | 1.94 | 0.63 | 0.66 | 5/8       | 61272-2              |
| L2D2-350*      | A2B2-350                    | 1        | 350-6       | 3             | 85          | 4.25       | 2.31 | 1.38 | 0.56 | 0.56 | 9/16      | 71344-3              |
| L2D2-600*      | A2B2-600                    | 1        | 600-2       | 3             | 134         | 5.31       | 2.75 | 1.50 | 0.56 | 0.56 | 9/16      | 71345-0              |
| L2D2-800*      | -                           | 1        | 800-300     | 3             | 200         | 6.19       | 3.50 | 1.88 | 0.56 | 0.56 | 9/16      | 71346-7              |
| L2D2-1000*     | -                           | 1        | 1000-500    | 3             | 210         | 6.19       | 3.50 | 1.88 | 0.56 | 0.56 | 9/16      | 71343-6              |

Notes: \*NEMA Hole Spacing of 1.75" center.



## Dual-Rated Solderless Connectors

For use with both aluminum and copper conductors.

- **GALVAN** aluminum dual-rated connectors are manufactured from high strength 6061-T6 aluminum alloy to insure both maximum strength and conductivity.
- They are dual-rated for both copper and aluminum conductors and are electro-tin plated to provide low contact resistance and protection against corrosion.
- Assembly can be made with only a screwdriver or allen wrench and the connectors are re-useable.



Fig. 1

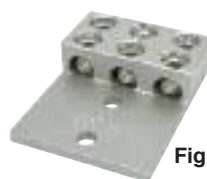


Fig. 2



Fig. 3



Fig. 4



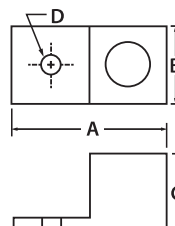
Fig. 5



Fig. 6



E26130



| Catalog Number | Discontinued Catalog Number | Fig. No. | Cond. Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------------------------|----------|-------------|---------------|-------------|------------|------|------|------|-----------|----------------------|
|                |                             |          |             |               |             | A          | B    | C    | D    |           |                      |
| L3M2-1/0       | 3AB2-112                    | 1        | 1/0-14      | 6             | 27          | 2.91       | 2.00 | 0.88 | 0.53 | 1/2       | 71354-2              |
| L3M2-3/0       | -                           | 1        | 3/0-6       | 3             | 36          | 4.00       | 2.81 | 1.19 | 0.53 | 1/2       | 71356-6              |
| L3M2-250       | 3AB2-250                    | 1        | 250-6       | 3             | 52          | 4.00       | 3.00 | 1.19 | 0.53 | 1/2       | 71355-9              |
| L3M2-350       | 3AB2-350                    | 1        | 350-6       | 1             | 68          | 4.25       | 3.50 | 1.38 | 0.53 | 1/2       | 71357-3              |
| L3M2-500       | 3AB2-500                    | 1        | 500-4       | 1             | 127         | 4.25       | 3.75 | 1.53 | 0.53 | 1/2       | 71358-0              |
| L3D2-600       | A3B2-600                    | 2        | 600-2       | 1             | 201         | 5.31       | 3.88 | 1.50 | 0.53 | 1/2       | 71349-8              |
| L3D2-800       | -                           | 2        | 800-300     | 1             | 211         | 6.19       | 4.94 | 1.88 | 0.53 | 1/2       | 71350-4              |
| L3D2-1000      | -                           | 2        | 1000-350    | 1             | 312         | 6.19       | 5.19 | 1.88 | 0.53 | 1/2       | 71348-1              |
| L3M4-1/0       | -                           | 3        | 1/0-14      | 6             | 27          | 2.59       | 2.00 | 0.88 | 0.53 | 1/2       | 71359-7              |
| L3M4-3/0       | -                           | 3        | 3/0-6       | 6             | 36          | 4.00       | 2.81 | 1.19 | 0.53 | 1/2       | 71362-7              |
| L3M4-250       | 3AB4-250                    | 3        | 250-6       | 3             | 50          | 4.00       | 3.00 | 1.19 | 0.53 | 1/2       | 71361-0              |
| L3M4-350       | 3AB4-350                    | 3        | 350-6       | 1             | 68          | 4.25       | 3.50 | 1.38 | 0.53 | 1/2       | 71363-4              |
| L3M4-500       | 3AB4-500                    | 3        | 500-4       | 1             | 110         | 4.25       | 3.75 | 1.53 | 0.53 | 1/2       | 71364-1              |
| L3D4-600       | A3B4-600                    | 4        | 600-2       | 1             | 201         | 5.31       | 3.88 | 1.50 | 0.53 | 1/2       | 71352-8              |
| L3D4-800       | -                           | 4        | 800-300     | 1             | 211         | 6.19       | 4.94 | 1.88 | 0.53 | 1/2       | 71353-5              |
| L3D4-1000      | A3B4-1000                   | 4        | 1000-500    | 1             | 309         | 6.19       | 5.31 | 1.88 | 0.53 | 1/2       | 71351-1              |
| L4M4-250       | 4AB4-250                    | 5        | 250-6       | 1             | 67          | 4.00       | 4.06 | 1.19 | 0.53 | 1/2       | 71372-6              |
| L4M4-350       | 4AB4-350                    | 5        | 350-6       | 1             | 91          | 4.25       | 4.75 | 1.38 | 0.53 | 1/2       | 71373-3              |
| L4M4-500       | -                           | 5        | 500-4       | 1             | 268         | 4.25       | 5.00 | 1.53 | 0.53 | 1/2       |                      |
| L4D4-600       | A4B4-600                    | 6        | 600-2       | 1             | 281         | 6.19       | 5.28 | 1.50 | 0.53 | 1/2       | 71366-5              |
| L4D4-800       | -                           | 6        | 800-300     | 1             | 284         | 6.19       | 6.63 | 1.88 | 0.53 | 1/2       | 71367-2              |
| L4D4-1000      | A4B4-1000                   | 6        | 1000-500    | 1             | 412         | 6.19       | 7.16 | 1.88 | 0.53 | 1/2       | 71365-8              |

Notes: \*NEMA Drilling 1 3/4" centers.



# ALUMINUM PANEL BOARD CONNECTORS

## Aluminum Dual-Rated Solderless Connectors

For use with both aluminum and copper conductors

**GALVAN** aluminum dual-rated solderless connectors are manufactured from high strength 6061-T6 aluminum alloy to insure both maximum strength and conductivity.

- The screws used to clamp the conductors are designed to extend beyond the barrel sides of the connector to allow a better, more secure compression of the conductor. This design spreads the conductor strands to help dissipate heat, and improve its pull out safety features and capabilities.
- The design of the wire way provides optimum transfer of current, creating a straight line flow through the connector for the least possible path of electrical resistance, plus a positive wire stop is provided.

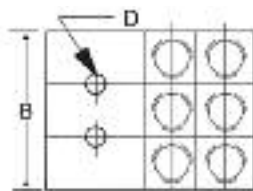
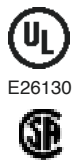
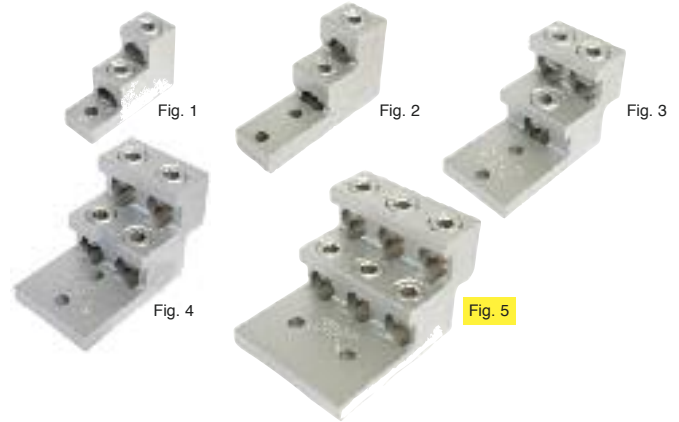
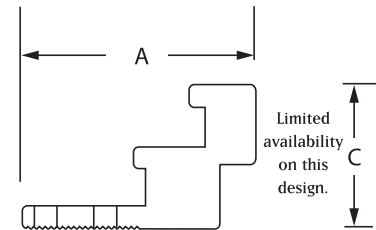
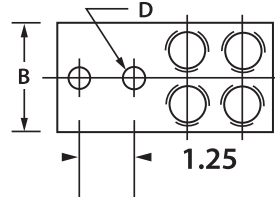


Fig. 5



| Catalog Number | Discontinued Catalog Number | Fig. No. | Cond. Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------------------------|----------|-------------|---------------|-------------|------------|------|------|------|-----------|----------------------|
|                |                             |          |             |               |             | A          | B    | C    | D    |           |                      |
| PV2-300        |                             | 1        | 300-6       | 3             | 30          | 3.00       | 1.00 | 2.00 | 0.31 | 1/4       | 71496-9              |
| 2ABV-500       | PV2-500                     | 2        | 500-4       | 2             | 90          | 4.90       | 1.50 | 3.00 | 0.41 | 3/8       | 71497-6              |
| 2ABV-600       | PV2-600                     | 2        | 600-2       | 2             | 90          | 4.90       | 1.50 | 3.00 | 0.41 | 3/8       | 71498-3              |
| 2ABV-750       | PV2-750                     | 2        | 750-1/0     | 2             | 90          | 4.90       | 1.56 | 3.00 | 0.41 | 3/8       | 71499-0              |
| 3ABV-500       | PV3-500*                    | 3        | 500-4       | 2             | 150         | 4.90       | 2.50 | 3.00 | 0.41 | 3/8       | 71500-3              |
| 3ABV-600       | PV3-600                     | 3        | 600-2       | 2             | 150         | 4.90       | 2.50 | 3.00 | 0.41 | 3/8       | 71501-0              |
| 3ABV-750       | PV3-750                     | 3        | 750-1/0     | 2             | 150         | 4.90       | 2.84 | 3.00 | 0.41 | 3/8       | 71502-7              |
| 4ABV-500       | PV4-500                     | 4        | 500-4       | 2             | 159         | 4.90       | 2.50 | 3.00 | 0.41 | 3/8       | 71503-4              |
| 4ABV-600       | PV4-600                     | 4        | 600-2       | 2             | 159         | 4.90       | 2.50 | 3.00 | 0.41 | 3/8       | 71504-1              |
| 4ABV-750       | PV4-750                     | 4        | 750-1/0     | 2             | 159         | 4.90       | 2.84 | 3.00 | 0.41 | 3/8       | 71505-8              |
| 6ABV-500       | PV6-500                     | 5        | 500-2       | 2             | 205         | 4.90       | 3.94 | 3.00 | 0.41 | 3/8       | 61201-2              |
| 6ABV-750       | PV6-750                     | 5        | 750-1/0     | 2             | 205         | 4.90       | 3.94 | 3.00 | 0.41 | 3/8       | 71506-5              |



## Type “SR” Aluminum Splicers/Reducers

### Dual-Rated Solderless Connectors

- For splicing copper to copper, copper to aluminum, and aluminum to aluminum conductors.
- Solid center barrier wall prevents contact between conductors.



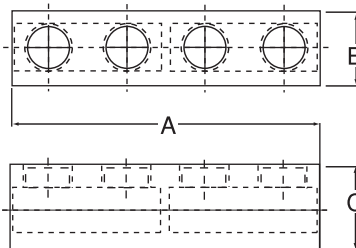
Fig. 1



Fig. 2



E26130



| Catalog Number | Fig. No. | Cond. Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      | NAED UPC No. 632591- |
|----------------|----------|-------------|---------------|-------------|------------|------|------|----------------------|
|                |          |             |               |             | A          | B    | C    |                      |
| SR-2           | 1        | 2-14        | 10            | 10          | 1.38       | 0.50 | 0.56 | 71579-9              |
| SR-0           | 1        | 1/0-14      | 10            | 12          | 1.91       | 0.75 | 0.75 | 71577-5              |
| SR-250         | 2        | 250-6       | 10            | 47          | 3.94       | 1.00 | 1.13 | 71580-5              |
| SR-350         | 2        | 350-6       | 10            | 50          | 4.19       | 1.13 | 1.19 | 71582-9              |
| SR-500         | 2        | 500-3/0     | 3             | 64          | 5.00       | 1.38 | 1.50 | 71583-6              |
| SR-750         | 2        | 750-250     | 2             | 90          | 6.25       | 1.63 | 1.75 | 71584-3              |



## LAY-IN CONNECTORS

### LI-Ground Clamps: Dual-Rated Solderless Connectors

- Made of 6061-T6 aluminum alloy.
- Tin-plated steel blade type set screw.
- Electro tin plated body to offer low contact resistance and corrosion protection.
- For use with both aluminum and copper conductors.
- Designed for use on conduit grounding bushings.
- Open faced design allows installer to quickly lay-in the grounding conductor as a jumper to multiple conduits with no break in ground conductor.
- Rated for 600v.
- Not approved for direct burial.



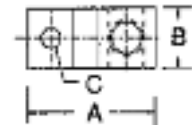
E26130



| Catalog Number | Fig. No. | Conductor Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions (in.) |      |      | Bolt Size | Height | Tang Thickness | NAED UPC No. 632591- |
|----------------|----------|-----------------|---------------|-------------|------------------|------|------|-----------|--------|----------------|----------------------|
|                |          |                 |               |             | A                | B    | C    |           |        |                |                      |
| LI-50-S        | 1        | 4-14            | 100           | 2           | 1.08             | 0.38 | 0.26 | 1/4       | 0.75   | 0.15           | 71415-0              |
| LI-112-S       | 1        | 1/0-14          | 50            | 4           | 1.50             | 0.60 | 0.26 | 1/4       | 1.17   | 0.22           | 71410-5              |
| LI-200-S       | 2        | 3/0-6           | 50            | 14          | 2.00             | 0.80 | 0.41 | 3/8       | 1.56   | 0.30           | 71412-9              |
| LI-252-S       | 2        | 250-6           | 25            | 16          | 2.20             | 0.80 | 0.41 | 3/8       | 1.79   | 0.30           | 71414-3              |

### Direct Burial Copper Lay-In Lug

- Made of copper alloy.
- For copper conductors.
- Stainless steel blade-type set screw.
- Open face design.
- Applications for solar and swimming pool grounding.
- Rated for 600v.
- Listed for direct burial in earth or concrete.
- Plated = tin plated.



E1981080



| Catalog Number | Conductor Range | Dimensions (in.) |     |     | Bolt Size | Height | Tang Thickness | Pcs. Per Ctn. | Wt. Per 100 | NAED UPC No. 632591- |
|----------------|-----------------|------------------|-----|-----|-----------|--------|----------------|---------------|-------------|----------------------|
|                |                 | A                | B   | C   |           |        |                |               |             |                      |
| LIC-50S        | 4-14            | .97              | .38 | .26 | 1/4       | .69    | .15            | 100           | 2           | 61466-5              |
| LIC-50S Plated | 4-14            | .97              | .38 | .26 | 1/4       | .69    | .15            | 100           | 2           | 61497-9              |

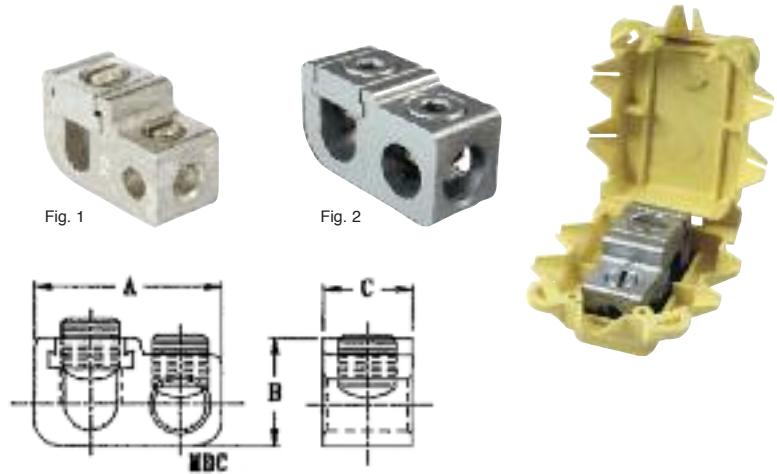


## Type GGPT : Dual-Rated Solderless Connectors

For use with both aluminum and copper conductors.

### UL-486B Listed AL9CU (90°C Rated)

- **GALVAN** Parallel and Tee Taps are manufactured from high strength 6061-T6 aluminum alloy to insure both maximum strength and conductivity.
- They are dual-rated for both copper and aluminum conductors and are electro-tin plated to provide low contact resistance and protection against corrosion.
- Only a screwdriver or allen wrench is needed for assembly.



| Catalog Number | Fig. No. | Cond. Range |        | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      | NAED UPC No. 632591- |
|----------------|----------|-------------|--------|---------------|-------------|------------|------|------|----------------------|
|                |          | Main        | Tap    |               |             | A          | B    | C    |                      |
| GGPT-2         | 1        | 2-12        | 4-14   | 50            | 4           | 1.39       | 0.88 | 0.63 | 71614-7              |
| GGPT-1/0       | 2        | 1/0-2       | 1/0-14 | 25            | 16          | 1.75       | 1.00 | 0.75 | 71615-4              |
| GGPT-250-0     | 2        | 250-1/0     | 1/0-14 | 25            | 16          | 2.03       | 1.31 | 1.06 | 71616-1              |
| GGPT-250-250   | 2        | 250-1/0     | 250-6  | 25            | 20          | 2.28       | 1.31 | 1.06 | 71617-8              |
| GGPT-350       | 2        | 350-4/0     | 350-6  | 12            | 20          | 2.56       | 1.44 | 1.25 | 71618-5              |
| GGPT-500       | 2        | 500-350     | 500-2  | 12            | 37          | 3.13       | 1.75 | 1.38 | 71619-2              |
| GGPT-750-500   | 2        | 750-500     | 500-2  | 6             | 54          | 3.38       | 2.00 | 1.50 | 71620-8              |

## Covers for GGPT

| Cover Catalog Number | Use with Connector | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      | NAED UPC No. 632591- |
|----------------------|--------------------|---------------|-------------|------------|------|------|----------------------|
|                      |                    |               |             | A          | B    | C    |                      |
| TC-2                 | GGPT-2             | 12            | 2.4         | 2.25       | 1.37 | 1.11 | 71589-8              |
| TC-1/0               | GGPT-1/0           | 12            | 4           | 2.61       | 2.17 | 1.26 | 71588-1              |
| TC-250               | GGPT-250           | 6             | 7.4         | 3.44       | 3.18 | 1.63 | 71590-4              |
| TC-350               | GGPT-350           | 6             | 8.4         | 3.76       | 3.29 | 1.76 | 71591-1              |
| TC-500               | GGPT-500           | 3             | 12          | 4.39       | 3.34 | 2.12 | 71592-8              |
| TC-750               | GGPT-750           | 3             | 14          | 4.55       | 3.45 | 2.34 | 71593-5              |



## MULTI-TAP CONNECTORS

### PRE-INSULATED MULTI-TAP CONNECTORS



E9498

Galvan UV-rated pre-insulated multi-tap connectors are real timesavers for installers who work with line splicing, reducers and tap applications. Available in single-sided, double-sided and splice versions, the connectors don't require taping during installations. The PVC-covered connectors are enclosed in protective black Plastisol and filled with Penetrox™ oxide inhibitors to ensure greater contact resistance to moisture, chemicals and abrasion. The connectors' solid end caps protect against contamination.



ITO (offset)



IPL (one-sided)

### Dual-Rated Multi-Tap Connectors

- Use with copper or aluminum conductors.
- Tape-free installs save time.
- 2 to 8 taps per connector.
- Reduces inventory size and costs.
- UL listed up to 600 MCM.
- CSA-certified to 600 volts, 90° C.
- Wire strip lengths: 5/8-inch to 1-1/8-inch.



IPLD (two-sided)



ISR (splice/reducer)



## PRE-INSULATED MULTI-TAP CONNECTORS



E9498

| Catalog Number | Num. of Ports | Conductor Range (AWG/kcmil) | Dimensions (Inches) |      |      | Hex Key (Torque) (in.-lbs.) | Wire Strip Length(in.) | UPC            |
|----------------|---------------|-----------------------------|---------------------|------|------|-----------------------------|------------------------|----------------|
|                |               |                             | L                   | W    | H    |                             |                        |                |
| ITO-4          | 2             | #14-4                       | 1.16                | 1.50 | 1.25 | 1/8 (45)                    | 5/8                    | 632591-61449-8 |
| ITO-2/0        | 2             | #14-2/0                     | 1.52                | 1.56 | 1.38 | 3/16 (120)                  | 11/16                  | 632591-61450-4 |
| ITO-250        | 2             | #10-250                     | 2.03                | 2.64 | 2.13 | 5/16 (275)                  | 1                      | 632591-61451-1 |
| ISR-2          | 2             | #14-2                       | 2.38                | 0.75 | 1.22 | 5/32 (45)                   | 3/4                    | 632591-61409-2 |
| ISR-1/0        | 2             | #14-1/0                     | 2.91                | 0.91 | 1.38 | 3/16 (120)                  | 1                      | 632591-61410-8 |
| ISR-250        | 2             | #10-250                     | 4.01                | 1.19 | 2.10 | 5/16 (120)                  | 1-3/16                 | 632591-61411-5 |
| ISR-350        | 2             | #10-350                     | 4.63                | 1.34 | 2.35 | 5/16 (275)                  | 1-3/8                  | 632591-61412-2 |
| ISR-500        | 2             | #6-500                      | 5.00                | 1.62 | 2.62 | 3/8 (375)                   | 1-1/2                  | 632591-61413-9 |
| IPL4-2         | 2             | #14-4                       | 1.16                | 1.16 | 1.25 | 1/8 (45)                    | 5/8                    | 632591-61414-6 |
| IPL4-3         | 3             | #14-4                       | 1.59                | 1.25 | 1.25 | 1/8 (45)                    | 5/8                    | 632591-61415-3 |
| IPL4-4         | 4             | #14-4                       | 2.03                | 1.25 | 1.25 | 1/8 (45)                    | 5/8                    | 632591-61416-0 |
| IPL2/0-2       | 2             | #14-2/0                     | 1.52                | 1.40 | 1.38 | 3/16 (120)                  | 11/16                  | 632591-61417-7 |
| IPL2/0-3       | 3             | #14-2/0                     | 2.19                | 1.31 | 1.38 | 3/16 (120)                  | 11/16                  | 632591-61418-4 |
| IPL250-2       | 2             | #10-250                     | 2.03                | 2.07 | 2.13 | 5/16 (275)                  | 1                      | 632591-61420-7 |
| IPL250-3       | 3             | #10-250                     | 2.97                | 2.07 | 2.13 | 5/16 (275)                  | 1                      | 632591-61421-4 |
| IPL600-2       | 2             | #4-600                      | 2.72                | 2.38 | 2.75 | 3/8 (375)                   | 1-1/8                  | 632591-61423-8 |
| IPLD4-3        | 3             | #14-4                       | 1.59                | 1.50 | 1.25 | 1/8 (45)                    | 5/8                    | 632591-61425-2 |
| IPLD4-4        | 4             | #14-4                       | 2.03                | 1.50 | 1.25 | 1/8 (45)                    | 5/8                    | 632591-61426-9 |
| IPLD2/0-2      | 2             | #14-2/0                     | 1.52                | 1.56 | 1.25 | 3/16 (120)                  | 11/16                  | 632591-61427-6 |
| IPLD2/0-3      | 3             | #14-2/0                     | 2.19                | 1.56 | 1.25 | 3/16 (120)                  | 11/16                  | 632591-61428-3 |
| IPLD2/0-4      | 4             | #14-2/0                     | 2.86                | 1.56 | 1.25 | 3/16 (120)                  | 11/16                  | 632591-61429-0 |
| IPLD2/0-6      | 6             | #14-2/0                     | 4.20                | 1.56 | 1.25 | 3/16 (120)                  | 11/16                  | 632591-61430-6 |
| IPLD250-2      | 2             | #10-250                     | 2.03                | 2.64 | 2.13 | 5/16 (275)                  | 1                      | 632591-61431-3 |
| IPLD250-3      | 3             | #10-250                     | 2.97                | 2.64 | 2.13 | 5/16 (275)                  | 1                      | 632591-61432-0 |
| IPLD250-4      | 4             | #10-250                     | 3.91                | 2.64 | 2.13 | 5/16 (275)                  | 1                      | 632591-61433-7 |
| IPLD250-6      | 6             | #10-250                     | 5.78                | 2.64 | 2.13 | 5/16 (275)                  | 1                      | 632591-61434-4 |
| IPLD350-2      | 2             | #10-350                     | 2.22                | 3.00 | 2.50 | 5/16 (375)                  | 1-1/8                  | 632591-61436-8 |
| IPLD350-3      | 3             | #10-350                     | 3.13                | 3.00 | 2.50 | 5/16 (375)                  | 1-1/8                  | 632591-61437-5 |
| IPLD350-4      | 4             | #10-350                     | 4.04                | 3.00 | 2.50 | 5/16 (375)                  | 1-1/8                  | 632591-61438-2 |
| IPLD350-6      | 6             | #10-350                     | 5.86                | 3.00 | 2.50 | 5/16 (375)                  | 1-1/8                  | 632591-61439-9 |
| IPLD350-8      | 8             | #10-350                     | 7.68                | 3.00 | 2.50 | 5/16 (375)                  | 1-1/8                  | 632591-61441-2 |
| IPLD600-2      | 2             | #4-600                      | 2.56                | 3.00 | 2.75 | 3/8 (375)                   | 1-1/8                  | 632591-61443-6 |
| IPLD600-3      | 3             | #4-600                      | 3.77                | 3.00 | 2.75 | 3/8 (375)                   | 1-1/8                  | 632591-61444-3 |
| IPLD600-4      | 4             | #4-600                      | 4.97                | 3.00 | 2.75 | 3/8 (375)                   | 1-1/8                  | 632591-61445-0 |
| IPLD600-5      | 5             | #4-600                      | 6.17                | 3.00 | 2.75 | 3/8 (375)                   | 1-1/8                  | 632591-61446-7 |
| IPLD600-6      | 6             | #4-600                      | 7.37                | 3.00 | 2.75 | 3/8 (375)                   | 1-1/8                  | 632591-61447-4 |
| IPLD600-8      | 8             | #4-600                      | 9.78                | 3.00 | 2.75 | 3/8 (375)                   | 1-1/8                  | 632591-61448-1 |



# ALUMINUM COMPRESSION CONNECTORS

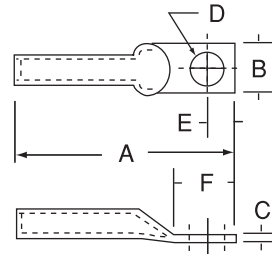
## Dual-Rated Compression Connectors

For use with both aluminum and copper conductors.

- GALVAN aluminum compression connectors and splices are manufactured from high conductivity 1350 alloy aluminum seamless tubing.
- Tin plated and prefilled with oxide inhibitor.



E9999



| Catalog Number | Die Color | Cond. | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------|-------|---------------|-------------|------------|------|------|------|------|------|-----------|----------------------|
|                |           |       |               |             | A          | B    | C    | D    | E    | F    |           |                      |
| CLA8-25        | Blue      | 8     | 20            | 0.8         | 1.81       | 0.63 | 0.09 | 0.28 | 0.31 | 0.81 | 1/4       | 71189-0              |
| CLA6-25        | Gray      | 6     | 20            | 0.9         | 1.93       | 0.53 | 0.12 | 0.28 | 0.31 | 0.75 | 1/4       | 71184-5              |
| CLA6-31        | Gray      | 6     | 20            | 0.9         | 1.93       | 0.53 | 0.12 | 0.34 | 0.38 | 0.75 | 5/16      | 71185-2              |
| CLA6-38        | Gray      | 6     | 20            | 0.9         | 1.93       | 0.53 | 0.12 | 0.41 | 0.38 | 0.75 | 3/8       | 71186-9              |
| CLA4-25        | Green     | 4     | 20            | 1.7         | 2.31       | 0.65 | 0.15 | 0.28 | 0.38 | 0.88 | 1/4       | 71173-9              |
| CLA4-31        | Green     | 4     | 20            | 1.7         | 2.31       | 0.65 | 0.15 | 0.34 | 0.38 | 0.88 | 5/16      | 71174-6              |
| CLA4-38        | Green     | 4     | 20            | 1.7         | 2.31       | 0.65 | 0.15 | 0.41 | 0.38 | 0.88 | 3/8       | 71175-3              |
| CLA2-25        | Pink      | 2     | 20            | 2.6         | 2.50       | 0.68 | 0.17 | 0.28 | 0.38 | 0.88 | 1/4       | 71157-9              |
| CLA2-31        | Pink      | 2     | 20            | 2.6         | 2.50       | 0.68 | 0.17 | 0.34 | 0.38 | 0.88 | 5/16      | 71158-6              |
| CLA1-25        | Gold      | 1     | 10            | 3.1         | 2.50       | 0.78 | 0.17 | 0.28 | 0.38 | 0.88 | 1/4       | 71150-0              |
| CLA1-31        | Gold      | 1     | 10            | 3.1         | 2.50       | 0.78 | 0.17 | 0.34 | 0.38 | 0.88 | 5/16      | 71151-7              |
| CLA1-38        | Gold      | 1     | 10            | 3.1         | 2.50       | 0.78 | 0.17 | 0.41 | 0.38 | 0.88 | 3/8       | 71152-4              |
| CLA1/0-25      | Tan       | 1/0   | 10            | 4.2         | 2.81       | 0.84 | 0.20 | 0.28 | 0.50 | 0.93 | 1/4       | 71153-1              |
| CLA1/0-31      | Tan       | 1/0   | 10            | 4.2         | 2.81       | 0.84 | 0.20 | 0.34 | 0.50 | 0.93 | 5/16      | 71154-8              |
| CLA1/0-38      | Tan       | 1/0   | 10            | 4.2         | 2.81       | 0.84 | 0.20 | 0.41 | 0.50 | 0.93 | 3/8       | 71155-5              |
| CLA1/0-50      | Tan       | 1/0   | 10            | 4.2         | 2.81       | 0.84 | 0.20 | 0.41 | 0.50 | 0.93 | 3/8       | 71156-2              |
| CLA2/0-38      | Olive     | 2/0   | 10            | 5.5         | 2.81       | 0.93 | 0.22 | 0.41 | 0.50 | 1.12 | 3/8       | 71163-0              |
| CLA3/0-31      | Ruby      | 3/0   | 10            | 7.4         | 3.00       | 1.06 | 0.24 | 0.34 | 0.50 | 1.12 | 5/16      | 71167-8              |
| CLA3/0-38      | Ruby      | 3/0   | 10            | 7.4         | 3.00       | 1.06 | 0.24 | 0.41 | 0.50 | 1.12 | 3/8       | 71168-5              |
| CLA4/0-38      | White     | 4/0   | 10            | 11.5        | 3.43       | 1.18 | 0.29 | 0.41 | 0.56 | 1.31 | 3/8       | 71178-4              |
| CLA4/0-50      | White     | 4/0   | 10            | 11.5        | 3.43       | 1.18 | 0.29 | 0.41 | 0.56 | 1.31 | 3/8       | 71179-1              |
| CLA250-50      | Red       | 250   | 5             | 17          | 3.50       | 1.43 | 0.32 | 0.56 | 0.63 | 1.31 | 1/2       | 71165-4              |
| CLA300-38      | Blue      | 300   | 5             | 20          | 4.00       | 1.43 | 0.35 | 0.41 | 0.63 | 1.50 | 3/8       | 71169-2              |
| CLA300-50      | Blue      | 300   | 5             | 20          | 4.00       | 1.43 | 0.35 | 0.56 | 0.63 | 1.50 | 1/2       | 71170-8              |
| CLA350-50      | Brown     | 350   | 3             | 27          | 4.25       | 1.50 | 0.38 | 0.56 | 0.69 | 1.50 | 1/2       | 71172-2              |
| CLA400-50      | Green     | 400   | 3             | 33          | 4.68       | 1.50 | 0.42 | 0.56 | 0.69 | 1.50 | 1/2       | 71181-4              |
| CLA500-50      | Pink      | 500   | 3             | 39          | 4.75       | 1.78 | 0.47 | 0.56 | 0.75 | 1.50 | 1/2       | 71183-8              |
| CLA600-62      | Black     | 600   | 3             | 53          | 5.12       | 1.96 | 0.51 | 0.69 | 0.75 | 1.87 | 5/8       | 71187-6              |
| CLA750-62      | Yellow    | 750   | 3             | 64          | 6.12       | 2.18 | 0.55 | 0.69 | 0.94 | 2.00 | 5/8       | 71188-3              |

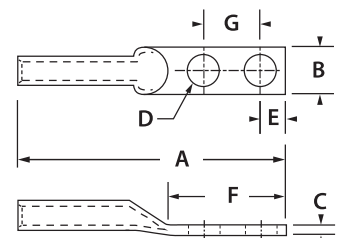
**Notes:** UL Listed and CSA Certified for 600 Volts when installed with approved tools and dies. Can be used for high voltage applications up to 35 KV provided proper high voltage installation and insulation techniques are employed.



## Dual-Rated Compression Connectors - 2 Hole Long Barrel

For use with both aluminum and copper conductors.

- GALVAN aluminum compression connectors and splices are manufactured from high strength 1350 alloy aluminum seamless tubing.
- Tin plated and prefilled with oxide inhibitor.



| Catalog Number | Die Color | Cond. | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------|-------|---------------|-------------|------------|------|------|------|------|------|------|-----------|----------------------|
|                |           |       |               |             | A          | B    | C    | D    | E    | F    | G    |           |                      |
| 2CLA1/0-50     | Tan       | 1/0   | 10            | 7.5         | 3.50       | 0.84 | 0.20 | 0.56 | 0.50 | 1.87 | 1.00 | 1/2       | -                    |
| 2CLA2/0-50     | Olive     | 2/0   | 10            | 12          | 4.80       | 0.93 | 0.22 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70791-6              |
| 2CLA3/0-50     | Ruby      | 3/0   | 10            | 16          | 5.00       | 1.06 | 0.24 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70793-0              |
| 2CLA4/0-50     | White     | 4/0   | 10            | 20          | 5.25       | 1.18 | 0.29 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70797-8              |
| 2CLA250-50     | Red       | 250   | 5             | 25          | 5.31       | 1.28 | 0.32 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70792-3              |
| 2CLA300-50     | Blue      | 300   | 3             | 30          | 5.50       | 1.40 | 0.35 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70794-7              |
| 2CLA350-50     | Brown     | 350   | 3             | 35          | 5.87       | 1.50 | 0.38 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70795-4              |
| 2CLA400-50     | Green     | 400   | 3             | 52          | 6.43       | 1.62 | 0.42 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70798-5              |
| 2CLA500-50     | Pink      | 500   | 3             | 61          | 6.50       | 1.78 | 0.47 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70800-5              |
| 2CLA600-50     | Black     | 600   | 3             | 86          | 6.75       | 1.96 | 0.51 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70801-2              |
| 2CLA750-50     | Yellow    | 750   | 3             | 96          | 7.37       | 2.18 | 0.55 | 0.56 | 0.63 | 3.12 | 1.75 | 1/2       | 70802-9              |
| 2CLA1000-50    | --        | 1000  | 1             | 107         | 7.78       | 2.50 | 0.50 | 0.56 | 0.75 | 3.00 | 1.75 | 1/2       | 61274-6              |

**Notes:** UL Listed and CSA Certified for 600 Volts when installed with approved tools and dies. Can be used for high voltage applications up to 35 KV provided proper high voltage installation and insulation techniques are employed.

## Dual-Rated Compression Splices

### Dual-Rated Connectors

- For use with both aluminum and copper conductors.
- GALVAN aluminum compression connectors and splices are manufactured from high Conductivity 1350 alloy aluminum seamless tubing.
- Tin plated and prefilled with oxide inhibitor.



| Catalog Number | Die Color | Cond. | Pcs. Per Ctn. | Wt. Per 100 | Length | NAED UPC No. 632591- |
|----------------|-----------|-------|---------------|-------------|--------|----------------------|
| SA-8           | BLUE      | 8     | 20            | 1           | 1.50   | 71536-2              |
| SA-6           | GRAY      | 6     | 20            | 1           | 1.63   | 71533-1              |
| SA-4           | GREEN     | 4     | 20            | 1.8         | 2.00   | 71529-4              |
| SA-2           | PINK      | 2     | 20            | 3.5         | 2.38   | 71523-2              |
| SA-1           | GOLD      | 1     | 10            | 3.5         | 2.38   | 71521-8              |
| SA-1/0         | TAN       | 1/0   | 10            | 4           | 2.50   | 71522-5              |
| SA-2/0         | OLIVE     | 2/0   | 10            | 5.5         | 2.63   | 71524-9              |
| SA-3/0         | RUBY      | 3/0   | 10            | 7           | 2.88   | 71526-3              |
| SA-4/0         | WHITE     | 4/0   | 10            | 13          | 3.13   | 71530-0              |
| SA-250         | RED       | 250   | 5             | 17          | 3.25   | 71525-6              |
| SA-300         | BLUE      | 300   | 5             | 20          | 3.25   | 71527-0              |
| SA-350         | BROWN     | 350   | 3             | 30          | 3.88   | 71528-7              |
| SA-400         | GREEN     | 400   | 3             | 35          | 4.88   | 71531-7              |
| SA-500         | PINK      | 500   | 3             | 42          | 5.00   | 71532-4              |
| SA-600         | BLACK     | 600   | 3             | 42          | 5.13   | 71534-8              |
| SA-750         | YELLOW    | 750   | 3             | 70          | 5.38   | 71535-5              |

**Notes:** UL Listed and CSA Certified for 600 Volts 35 KV when installed with approved tools and dies. For applications greater than 2000 volts consult cable manufacturer for voltage stress relief instructions.

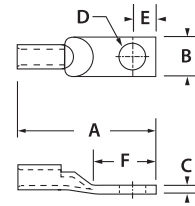


# SHORT BARREL COPPER COMPRESSION CONNECTORS

## One-Hole Short Barrel Copper

For use with copper conductors **only**.

- Specially designed for industrial and building applications.
- **GALVAN** compression connectors are manufactured from high strength pure electrolytic copper to insure both maximum strength and conductivity.
- All connectors are color coded for quick, easy identification with matching die.
- Tin-plated for corrosion resistance.
- Specially chamfered barrel for ease of installation.
- Can be used for high voltage application up to 35 kV provided proper high voltage insulation techniques are used.
- U.L. Listed for AWG conductor when installed with approved tools and dies.



E9999



| Catalog Number | Die Color | Conductor | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------|-----------|---------------|-------------|------------|------|------|------|------|------|-----------|----------------------|
|                |           |           |               |             | A          | B    | C    | D    | E    | F    |           |                      |
| CC8-19         | Red       | 8 Str.    | 50            | 1.5         | 1.63       | 0.39 | 0.08 | 0.20 | 0.22 | 0.63 | #10       | 71051-0              |
| CC8-25         | Red       | 8 Str.    | 50            | 1.5         | 1.69       | 0.48 | 0.06 | 0.28 | 0.31 | 0.69 | 1/2       | 71052-7              |
| CC8-31         | Red       | 8 Str.    | 50            | 1.5         | 1.69       | 0.48 | 0.06 | 0.34 | 0.31 | 0.69 | 5/16      | 71053-4              |
| CC6-19         | Blue      | 6 Str.    | 50            | 1.8         | 1.69       | 0.39 | 0.08 | 0.20 | 0.22 | 0.63 | #10       | 71044-2              |
| CC6-25         | Blue      | 6 Str.    | 50            | 1.8         | 1.69       | 0.39 | 0.06 | 0.28 | 0.31 | 0.06 | 1/4       | 71045-9              |
| CC6-31         | Blue      | 6 Str.    | 50            | 1.8         | 1.75       | 0.50 | 0.06 | 0.34 | 0.31 | 0.69 | 5/16      | 71046-6              |
| CC6-38         | Blue      | 6 Str.    | 50            | 1.8         | 1.75       | 0.50 | 0.06 | 0.34 | 0.31 | 0.69 | 5/16      | 71047-3              |
| CC4-25         | Gray      | 4 Str.    | 50            | 2.1         | 1.76       | 0.52 | 0.09 | 0.28 | 0.34 | 0.69 | 1/4       | 71035-0              |
| CC4-31         | Gray      | 4 Str.    | 50            | 2.1         | 1.81       | 0.56 | 0.09 | 0.34 | 0.38 | 0.69 | 5/16      | 71036-7              |
| CC4-38         | Gray      | 4 Str.    | 50            | 2.1         | 1.81       | 0.56 | 0.08 | 0.20 | 0.38 | 0.75 | #10       | 71037-4              |
| CC2-25         | Brown     | 2 Str.    | 50            | 3.6         | 1.94       | 0.63 | 0.08 | 0.28 | 0.34 | 0.75 | 1/4       | 71020-6              |
| CC2-31         | Brown     | 2 Str.    | 50            | 3.6         | 1.94       | 0.63 | 0.10 | 0.34 | 0.38 | 0.81 | 5/16      | 71021-3              |
| CC2-38         | Brown     | 2 Str.    | 50            | 3.6         | 1.94       | 0.63 | 0.10 | 0.41 | 0.41 | 0.81 | 3/8       | 71022-0              |
| CC1-25         | Green     | 1 Str.    | 20            | 3.6         | 2.00       | 0.67 | 0.10 | 0.28 | 0.34 | 0.81 | 1/4       | 71012-1              |
| CC1-31         | Green     | 1 Str.    | 20            | 3.6         | 2.00       | 0.67 | 0.11 | 0.34 | 0.38 | 0.81 | 5/16      | 71013-8              |
| CC1/0-25       | Pink      | 1/0 Str.  | 10            | 4.3         | 2.06       | 0.73 | 0.11 | 0.28 | 0.34 | 0.81 | 1/4       | 71015-2              |
| CC1/0-31       | Pink      | 1/0 Str.  | 10            | 4.3         | 2.06       | 0.73 | 0.12 | 0.34 | 0.38 | 0.81 | 5/16      | 71016-9              |
| CC1/0-38       | Pink      | 1/0 Str.  | 10            | 4.3         | 2.06       | 0.73 | 0.12 | 0.41 | 0.41 | 0.81 | 3/8       | 71017-6              |
| CC1/0-50       | Pink      | 1/0 Str.  | 10            | 4.3         | 2.06       | 0.73 | 0.12 | 0.56 | 0.41 | 0.81 | 1/2       | 71018-3              |
| CC2/0-38       | Black     | 2/0 Str.  | 10            | 6.2         | 2.31       | 0.81 | 0.12 | 0.41 | 0.44 | 0.81 | 3/8       | 71023-7              |
| CC2/0-50       | Black     | 2/0 Str.  | 10            | 6.2         | 2.31       | 0.81 | 0.12 | 0.56 | 0.53 | 1.06 | 1/2       | 71024-4              |
| CC3/0-38       | Orange    | 3/0 Str.  | 10            | 7.6         | 2.50       | 0.94 | 0.12 | 0.41 | 0.44 | 0.81 | 3/8       | 71028-2              |
| CC3/0-50       | Orange    | 3/0 Str.  | 10            | 7.6         | 2.50       | 0.94 | 0.13 | 0.56 | 0.53 | 1.06 | 1/2       | 71029-9              |
| CC4/0-38       | Purple    | 4/0 Str.  | 10            | 7.7         | 2.53       | 1.06 | 0.13 | 0.41 | 0.44 | 0.81 | 3/8       | 71038-1              |
| CC4/0-50       | Purple    | 4/0 Str.  | 10            | 7.7         | 2.53       | 1.06 | 0.13 | 0.56 | 0.53 | 1.06 | 1/2       | 71039-8              |
| CC250-38       | Yellow    | 250 MCM   | 10            | 13          | 2.69       | 1.13 | 0.14 | 0.41 | 0.44 | 1.06 | 3/8       | 71025-1              |
| CC250-50       | Yellow    | 250 MCM   | 10            | 13          | 2.69       | 1.13 | 0.14 | 0.56 | 0.53 | 1.06 | 1/2       | 71026-8              |
| CC300-50       | White     | 300 MCM   | 10            | 14          | 2.75       | 1.25 | 0.16 | 0.56 | 0.53 | 1.13 | 1/2       | 71030-5              |
| CC350-50       | Red       | 350 MCM   | 10            | 19          | 2.88       | 1.31 | 0.17 | 0.56 | 0.53 | 1.13 | 1/2       | 71032-9              |
| CC400-50       | Blue      | 400 MCM   | 6             | 25          | 3.06       | 1.39 | 0.18 | 0.56 | 0.53 | 1.25 | 1/2       | 71040-4              |
| CC500-50       | Brown     | 500 MCM   | 6             | 40          | 3.31       | 1.56 | 0.21 | 0.56 | 0.53 | 1.25 | 1/2       | 71042-8              |
| CC500-62       | Brown     | 500 MCM   | 6             | 40          | 3.81       | 1.56 | 0.21 | 0.69 | 0.88 | 1.75 | 5/8       | 71043-5              |
| CC600-62       | Green     | 600 MCM   | 6             | 60          | 4.13       | 1.78 | 0.25 | 0.56 | 0.88 | 1.75 | 1/2       | 71048-0              |
| CC700-62       | Pink      | 700 MCM   | 6             | 70          | 4.44       | 1.81 | 0.25 | 0.69 | 0.88 | 1.88 | 5/8       | 71049-7              |
| CC750-62       | Black     | 750 MCM   | 6             | 82          | 4.44       | 1.91 | 0.27 | 0.69 | 0.88 | 1.88 | 5/8       | 71050-3              |
| CC1000-75      | White     | 1000 MCM  | 3             | 120         | 5.13       | 2.19 | 0.32 | 0.78 | 0.94 | 1.88 | 3/4       | 71019-0              |

**Notes:** \* Consult factory for availability of special mounting hole sizes.

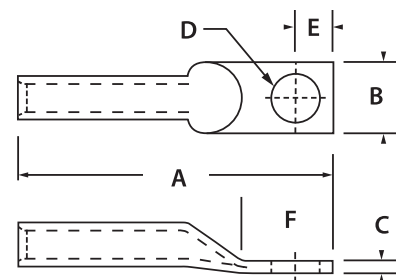
# LONG BARREL COPPER COMPRESSION CONNECTORS



## One-Hole Long Barrel Copper

For use with copper conductors **only**.

- Specially designed for industrial and building applications.
- **GALVAN** compression connectors are manufactured from high strength pure electrolytic copper to insure both maximum strength and conductivity.
- All connectors are color coded for quick, easy identification with matching die.
- Tin-plated for corrosion resistance.
- Specially chamfered barrel for ease of installation.
- Can be used for high voltage application up to 35 kV provided proper high voltage insulation techniques are used.
- U.L. Listed for AWG conductor when installed with approved tools and dies.



E9999



| Catalog Number | Die Color | Conductor | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------|-----------|---------------|-------------|------------|------|------|------|------|------|-----------|----------------------|
|                |           |           |               |             | A          | B    | C    | D    | E    | F    |           |                      |
| CCB8-25        | Red       | 8 Str.    | 50            | 2           | 1.94       | 0.48 | 0.08 | 0.27 | 0.31 | 0.69 | 1/4       | 71073-2              |
| CCB6-25        | Blue      | 6 Str.    | 50            | 2.2         | 1.94       | 0.50 | 0.06 | 0.27 | 0.31 | 0.69 | 1/4       | 71069-5              |
| CCB4-25        | Gray      | 4 Str.    | 50            | 2.5         | 2.25       | 0.52 | 0.09 | 0.27 | 0.34 | 0.75 | 1/4       | 71064-0              |
| CCB4-38        | Gray      | 4 Str.    | 50            | 2.5         | 2.61       | 0.81 | 0.09 | 0.38 | 0.31 | 1.00 | 5/16      | 61208-1              |
| CCB2-31        | Brown     | 2 Str.    | 25            | 4.5         | 2.32       | 0.63 | 0.10 | 0.33 | 0.38 | 0.81 | 5/16      | 71057-2              |
| CCB1-31        | Green     | 1 Str.    | 10            | 5.5         | 2.63       | 0.67 | 0.11 | 0.33 | 0.38 | 0.81 | 5/16      | 71054-1              |
| CCB1/0-38      | Pink      | 1/0 Str.  | 10            | 6.0         | 2.88       | 0.74 | 0.12 | 0.41 | 0.41 | 1.06 | 3/8       | 71055-8              |
| CCB2/0-38      | Black     | 2/0 Str.  | 10            | 8.2         | 2.88       | 0.82 | 0.12 | 0.41 | 0.44 | 1.06 | 3/8       | 71058-9              |
| CCB2/0-50      | Black     | 2/0 Str.  | 10            | 8.2         | 2.88       | 0.82 | 0.12 | 0.41 | 0.44 | 1.06 | 3/8       | 71059-6              |
| CCB3/0-50      | Orange    | 3/0 Str.  | 10            | 9.5         | 3.50       | 0.94 | 0.13 | 0.54 | 0.53 | 1.06 | 1/2       | 71061-9              |
| CCB4/0-50      | Purple    | 4/0 Str.  | 10            | 13          | 3.53       | 1.06 | 0.14 | 0.54 | 0.53 | 1.06 | 1/2       | 71066-4              |
| CCB250-50      | Yellow    | 250 MCM   | 10            | 17          | 3.56       | 1.13 | 0.14 | 0.54 | 0.53 | 1.06 | 1/2       | 71060-2              |
| CCB300-50      | White     | 300 MCM   | 10            | 20          | 3.63       | 1.25 | 0.16 | 0.54 | 0.53 | 1.13 | 1/2       | 71062-6              |
| CCB350-50      | Red       | 350 MCM   | 10            | 26          | 3.75       | 1.31 | 0.17 | 0.54 | 0.53 | 1.13 | 1/2       | 71063-3              |
| CCB400-50      | Blue      | 400 MCM   | 6             | 33          | 3.88       | 1.41 | 0.18 | 0.54 | 0.53 | 1.25 | 1/2       | 71067-1              |
| CCB500-50      | Brown     | 500 MCM   | 6             | 50          | 4.44       | 1.56 | 0.21 | 0.54 | 0.53 | 1.25 | 1/2       | 71068-8              |
| CCB600-62      | Green     | 600 MCM   | 6             | 70          | 5.00       | 1.72 | 0.25 | 0.66 | 0.88 | 1.75 | 5/8       | 71071-8              |
| CCB750-62      | Black     | 750 MCM   | 6             | 96          | 5.87       | 1.91 | 0.27 | 0.66 | 0.88 | 1.86 | 5/8       | 71072-5              |
| CCB1000-62     | White     | 1000 MCM  | 3             | 132         | 6.25       | 2.19 | 0.32 | 0.66 | 0.88 | 2.13 | 5/8       | 71056-5              |

**Notes:** \*Consult factory for availability of special mounting hole sizes.

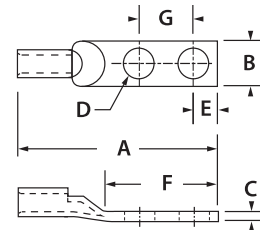


## SHORT BARREL COPPER COMPRESSION CONNECTORS

### Two-Hole Short Barrel Copper

For use with copper conductors **only**.

- Specially designed for industrial and building applications.
- **GALVAN** compression connectors are manufactured from high strength pure electrolytic copper to insure both maximum strength and conductivity.
- All connectors are color coded for quick, easy identification with matching die.
- Tin-plated for corrosion resistance.
- Specially chamfered barrel for ease of installation.
- Can be used for high voltage application up to 35 kV provided proper high voltage insulation techniques are used.
- U.L. Listed for AWG conductor when installed with approved tools and dies.



| Catalog Number | Die Color | Cond.    | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------|----------|---------------|-------------|------------|------|------|------|------|------|------|-----------|----------------------|
|                |           |          |               |             | A          | B    | C    | D    | E    | F    | G    |           |                      |
| CCL8-19        | Red       | 8 Str.   | 50            | 2.8         | 1.91       | 0.41 | 0.06 | 0.20 | 0.31 | 1.13 | 0.63 | #10       | 71123-4              |
| CCL6-25        | Blue      | 6 Str.   | 50            | 3.6         | 1.97       | 0.41 | 0.09 | 0.25 | 0.25 | 1.13 | 0.63 | 1/4       | 71119-7              |
| CCL4-25        | Gray      | 4 Str.   | 50            | 4.4         | 2.03       | 0.50 | 0.09 | 0.25 | 0.25 | 1.13 | 0.63 | 1/4       | 71112-8              |
| CCL2-25        | Brown     | 2 Str.   | 25            | 6.4         | 2.41       | 0.56 | 0.09 | 0.25 | 0.25 | 1.13 | 0.63 | 1/4       | 71101-2              |
| CCL1-25        | Green     | 1 Str.   | 25            | 9.2         | 2.59       | 0.97 | 0.09 | 0.25 | 0.38 | 1.75 | 0.88 | 1/4       | 71096-1              |
| CCL1/0-31      | Pink      | 1/0 Str. | 10            | 10.8        | 2.69       | 0.75 | 0.13 | 0.34 | 0.31 | 1.75 | 0.88 | 5/16      | 71097-8              |
| CCL1/0-38      | Pink      | 1/0 Str. | 10            | 10.8        | 2.69       | 0.75 | 0.13 | 0.41 | 0.38 | 1.75 | 0.88 | 3/8       | 71098-5              |
| CCL2/0-38      | Black     | 2/0 Str. | 10            | 12.2        | 3.81       | 0.81 | 0.13 | 0.41 | 0.38 | 2.81 | 1.75 | 3/8       | 71102-9              |
| CCL2/0-50      | Black     | 2/0 Str. | 10            | 12.2        | 3.81       | 0.81 | 0.13 | 0.50 | 0.50 | 2.81 | 1.75 | 1/2       | 71103-6              |
| CCL3/0-38      | Orange    | 3/0 Str. | 10            | 16.2        | 3.25       | 0.94 | 0.13 | 0.41 | 0.38 | 1.81 | 1.00 | 3/8       | 71106-7              |
| CCL3/0-50      | Orange    | 3/0 Str. | 10            | 16.2        | 3.81       | 0.81 | 0.13 | 0.50 | 0.50 | 2.81 | 1.75 | 1/2       | 71107-4              |
| CCL4/0-38      | Purple    | 4/0 Str. | 10            | 18.8        | 3.28       | 1.06 | 0.14 | 0.41 | 0.38 | 1.81 | 1.00 | 3/8       | 71113-5              |
| CCL4/0-50      | Purple    | 4/0 Str. | 10            | 18.8        | 4.25       | 1.09 | 0.13 | 0.50 | 0.50 | 2.81 | 1.75 | 1/2       | 71114-2              |
| CCL250-38      | Yellow    | 250 MCM  | 10            | 23.6        | 3.43       | 1.13 | 0.15 | 0.41 | 0.38 | 1.81 | 1.00 | 3/8       | 71104-3              |
| CCL250-50      | Yellow    | 250 MCM  | 10            | 23.6        | 4.34       | 1.13 | 0.16 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71105-0              |
| CCL300-38      | White     | 300 MCM  | 10            | 27          | 3.43       | 1.25 | 0.16 | 0.41 | 0.38 | 1.81 | 1.00 | 3/8       | 71108-1              |
| CCL300-50      | White     | 300 MCM  | 10            | 27          | 4.53       | 1.19 | 0.16 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71109-8              |
| CCL350-38      | Red       | 350 MCM  | 10            | 32.4        | 3.56       | 1.31 | 0.17 | 0.41 | 0.38 | 1.81 | 1.00 | 3/8       | 71110-4              |
| CCL350-50      | Red       | 350 MCM  | 10            | 32.4        | 4.53       | 1.34 | 0.16 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71111-1              |
| CCL400-38      | Blue      | 400 MCM  | 10            | 37.9        | 3.62       | 1.41 | 0.18 | 0.41 | 0.38 | 1.81 | 1.00 | 3/8       | 71115-9              |
| CCL400-50      | Blue      | 400 MCM  | 10            | 37.9        | 4.81       | 1.41 | 0.16 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71116-6              |
| CCL500-38      | Brown     | 500 MCM  | 10            | 52.2        | 3.87       | 1.56 | 0.21 | 0.41 | 0.38 | 1.81 | 1.00 | 3/8       | 71117-3              |
| CCL500-50      | Brown     | 500 MCM  | 10            | 52.2        | 5.00       | 1.53 | 0.22 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71118-0              |
| CCL600-38      | Green     | 600 MCM  | 5             | 85          | 4.18       | 1.72 | 0.22 | 0.41 | 0.38 | 1.18 | 1.00 | 3/8       | 71120-3              |
| CCL600-50      | Green     | 600 MCM  | 5             | 85          | 5.13       | 1.72 | 0.22 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71121-0              |
| CCL750-50      | Black     | 750 MCM  | 5             | 85.6        | 5.22       | 1.72 | 0.27 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71122-7              |
| CCL1000-50     | White     | 1000 MCM | 5             | 126.6       | 5.44       | 2.25 | 0.28 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71100-5              |

**Notes:** Consult factory for availability of special mounting hole sizes.

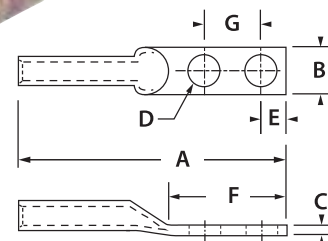
# LONG BARREL COPPER COMPRESSION CONNECTORS



## Two-Hole Long Barrel Copper

For use with copper conductors **only**.

- Specially designed for industrial and building applications.
- **GALVAN** compression connectors are manufactured from high strength pure electrolytic copper to insure both maximum strength and conductivity.
- All connectors are color coded for quick, easy identification with matching die.
- Tin-plated for corrosion resistance.
- Specially chamfered barrel for ease of installation.
- Can be used for high voltage application up to 35 kV provided proper high voltage insulation techniques are used.
- U.L. Listed for AWG conductor when installed with approved tools and dies.



E9999



| Catalog Number | Die Color | Cond.    | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|-----------|----------|---------------|-------------|------------|------|------|------|------|------|------|-----------|----------------------|
|                |           |          |               |             | A          | B    | C    | D    | E    | F    | G    |           |                      |
| CCBL8-25       | Red       | 8 Str.   | 50            | 3.0         | 2.88       | 0.41 | 0.06 | 0.25 | 0.25 | 1.44 | 0.63 | 1/4       | 71094-7              |
| CCBL6-25       | Blue      | 6 Str.   | 50            | 3.2         | 2.25       | 0.41 | 0.06 | 0.25 | 0.25 | 1.25 | 0.63 | 1/4       | 71091-6              |
| CCBL4-25       | Gray      | 4 Str.   | 50            | 3.9         | 2.19       | 0.53 | 0.19 | 0.25 | 0.25 | 1.19 | 0.63 | 3/8       | 71087-9              |
| CCBL2-31       | Brown     | 2 Str.   | 25            | 6.1         | 2.81       | 0.44 | 0.09 | 0.33 | 0.38 | 1.38 | 0.75 | 1/4       | 71080-0              |
| CCBL1-31       | Green     | 1 Str.   | 10            | 6.9         | 2.97       | 0.66 | 0.09 | 0.33 | 0.38 | 1.38 | 0.88 | 1/2       | 71074-9              |
| CCBL1/0-50     | Pink      | 1/0 Str. | 10            | 8.8         | 3.97       | 0.75 | 0.13 | 0.50 | 0.50 | 3.00 | 1.75 | 5/16      | 71077-0              |
| CCBL2/0-50     | Black     | 2/0 Str. | 10            | 15          | 4.19       | 0.81 | 0.13 | 0.50 | 0.50 | 3.00 | 1.75 | 5/16      | 71082-4              |
| CCBL3/0-50     | Orange    | 3/0 Str. | 10            | 16          | 4.44       | 0.94 | 0.13 | 0.50 | 0.50 | 2.94 | 1.75 | 5/16      | 71084-8              |
| CCBL4/0-50     | Purple    | 4/0 Str. | 10            | 22          | 4.69       | 1.03 | 0.13 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71088-6              |
| CCBL250-50     | Yellow    | 250 MCM  | 10            | 27          | 4.91       | 1.06 | 0.13 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71083-1              |
| CCBL300-50     | White     | 300 MCM  | 10            | 31          | 5.22       | 1.19 | 0.13 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71085-5              |
| CCBL350-50     | Red       | 350 MCM  | 10            | 40          | 5.34       | 1.34 | 0.16 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71086-2              |
| CCBL400-50     | Blue      | 400 MCM  | 6             | 45          | 5.44       | 1.41 | 0.19 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71089-3              |
| CCBL500-50     | Brown     | 500 MCM  | 6             | 66          | 5.94       | 1.59 | 0.19 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71090-9              |
| CCBL600-50     | Green     | 600 MCM  | 6             | 75          | 5.75       | 1.72 | 0.22 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71092-3              |
| CCBL750-50     | Black     | 750 MCM  | 6             | 115         | 6.09       | 1.91 | 0.25 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71093-0              |
| CCBL1000-50    | White     | 1000MCM  | 3             | 152         | 6.34       | 2.25 | 0.28 | 0.50 | 0.50 | 3.00 | 1.75 | 1/2       | 71078-7              |

**Notes:** Consult factory for availability of special mounting hole sizes.

UL Listed and CSA Certified for 600 volts when installed with approved tools and dies.

Can be used for high voltage applications up to 35.

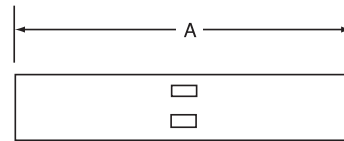
KV provided proper high voltage installation and insulation techniques are employed.



## COPPER COMPRESSION SPLICES

### Short Barrel Copper Compression Splices

- Specially designed for industrial and building applications.
- **GALVAN** compression connectors are manufactured from high strength pure electrolytic copper to insure both maximum strength and conductivity.
- All connectors are color coded for quick, easy identification with matching die.
- Tin-plated for corrosion resistance.
- Specially chamfered barrel for ease of installation.
- Can be used for high voltage application up to 35 kV provided proper high voltage insulation techniques are used.
- U.L. Listed for AWG conductor when installed with approved tools and dies.



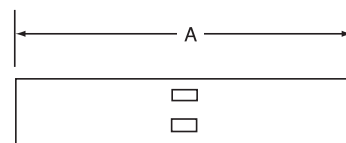
| Catalog Number | Die Color | Conductor | Pcs. Per Ctn. | Wt. Per 100 | A    | NAED UPC No. 632591- |
|----------------|-----------|-----------|---------------|-------------|------|----------------------|
| CSS-8          | Red       | 8 Str.    | 50            | 1.4         | 1.62 | 71241-5              |
| CSS-6          | Blue      | 6 Str.    | 50            | 2.2         | 1.75 | 71237-8              |
| CSS-4          | Gray      | 4 Str.    | 50            | 2.6         | 1.87 | 71233-0              |
| CSS-2          | Brown     | 2 Str.    | 25            | 4           | 1.87 | 71227-9              |
| CSS-1          | Green     | 1 Str.    | 10            | 5.2         | 1.87 | 71224-8              |
| CSS-1/0        | Pink      | 1/0 Str.  | 10            | 5.7         | 1.87 | 71225-5              |
| CSS-2/0        | Black     | 2/0 Str.  | 10            | 6.5         | 2.00 | 71228-6              |
| CSS-3/0        | Orange    | 3/0 Str.  | 10            | 7.7         | 2.12 | 71230-9              |
| CSS-4/0        | Purple    | 4/0 Str.  | 10            | 8           | 2.12 | 71234-7              |
| CSS-250        | Yellow    | 250 MCM   | 6             | 12.5        | 2.25 | 71229-3              |
| CSS-300        | White     | 300 MCM   | 6             | 14          | 2.25 | 71231-6              |
| CSS-350        | Red       | 350 MCM   | 6             | 18          | 2.37 | 71232-3              |
| CSS-400        | Blue      | 400 MCM   | 6             | 22          | 2.50 | 71235-4              |
| CSS-500        | Brown     | 500 MCM   | 6             | 35          | 2.87 | 71236-1              |
| CSS-600        | Green     | 600 MCM   | 6             | 40          | 3.00 | 71238-5              |
| CSS-750        | Black     | 750 MCM   | 3             | 56          | 3.38 | 71240-8              |
| CSS-1000       | White     | 1000 MCM  | 3             | 87          | 3.87 | 71226-2              |

**Notes:** UL Listed and CSA Certified for 600 volts when installed with approved tools and dies. Can be used for high voltage applications up to 35 KV provided proper high voltage installation and insulation techniques are employed.



## Long Barrel Copper Compression Splices

- Specially designed for industrial and building applications.
- **GALVAN** compression connectors are manufactured from high strength pure electrolytic copper to insure both maximum strength and conductivity.
- All connectors are color coded for quick, easy identification with matching die.
- Tin-plated for corrosion resistance.
- Specially chamfered barrel for ease of installation.
- Can be used for high voltage application up to 35 kV provided proper high voltage insulation techniques are used.
- U.L. Listed for AWG conductor when installed with approved tools and dies.



| Catalog Number | Die Color | Conductor | Pcs. Per Ctn. | Wt. Per 100 | A    | NAED UPC No. 632591- |
|----------------|-----------|-----------|---------------|-------------|------|----------------------|
| CSL-8          | Red       | 8 Str.    | 50            | 3.5         | 2.00 | 71223-1              |
| CSL-6          | Blue      | 6 Str.    | 50            | 4           | 2.38 | 71220-0              |
| CSL-4          | Gray      | 4 Str.    | 50            | 5.2         | 2.38 | 71216-3              |
| CSL-2          | Brown     | 2 Str.    | 25            | 7.8         | 2.62 | 71210-1              |
| CSL-1          | Green     | 1 Str.    | 10            | 10          | 2.87 | 71207-1              |
| CSL-1/0        | Pink      | 1/0 Str.  | 10            | 11          | 2.87 | 71208-8              |
| CSL-2/0        | Black     | 2/0 Str.  | 10            | 13          | 3.12 | 71211-8              |
| CSL-3/0        | Orange    | 3/0 Str.  | 10            | 15          | 3.12 | 71213-2              |
| CSL-4/0        | Purple    | 4/0 Str.  | 10            | 16          | 3.38 | 71217-0              |
| CSL-250        | Yellow    | 250 MCM   | 6             | 25          | 3.38 | 71212-5              |
| CSL-300        | White     | 300 MCM   | 6             | 26          | 4.12 | 71214-9              |
| CSL-350        | Red       | 350 MCM   | 6             | 31          | 4.12 | 71215-6              |
| CSL-400        | Blue      | 400 MCM   | 6             | 37          | 4.38 | 71218-7              |
| CSL-500        | Brown     | 500 MCM   | 6             | 57          | 4.62 | 71219-4              |
| CSL-600        | Green     | 600 MCM   | 6             | 65          | 5.38 | 71221-7              |
| CSL-750        | Black     | 750 MCM   | 3             | 102         | 5.87 | 71222-4              |
| CSL-1000       | White     | 1000 MCM  | 3             | 140         | 6.12 | 71209-5              |

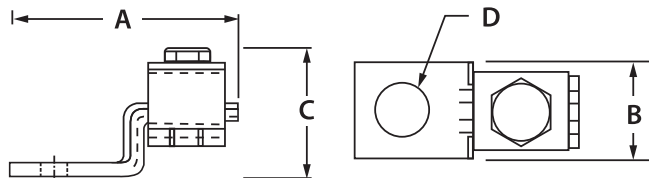
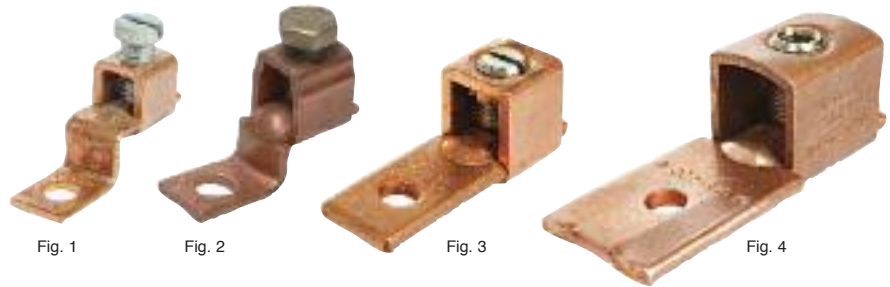
**Notes:** UL Listed and CSA Certified for 600 volts when installed with approved tools and dies. Can be used for high voltage applications up to 35 KV provided proper high voltage installation and insulation techniques are employed.



## COPPER MECHANICAL CONNECTORS

### Copper Mechanical Connectors

- **GALVAN** single hole solderless lugs and double hole solderless lugs are manufactured from high strength pure electrolytic copper to insure both maximum strength and conductivity, plain finished.
- Conductors are inserted between arched pressure bar and V-bottom collar which positions the wire for positive contact and maximum secureness.
- Easy to install with screwdriver, wrench, or pliers.
- Re-useable; plain copper finish.



| Catalog Number | Fig. No. | Cond. Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|----------|-------------|---------------|-------------|------------|------|------|------|-----------|----------------------|
|                |          |             |               |             | A          | B    | C    | D    |           |                      |
| CF-25          | 1        | 10-14       | 100           | 1.4         | 1.00       | 0.31 | 0.66 | 0.16 | #6        | 71129-6              |
| CF-35          | 1        | 6-14        | 100           | 3.2         | 1.31       | 0.50 | 0.81 | 0.20 | #10       | 71132-6              |
| CF-90          | 1        | 2-8         | 100           | 4.5         | 1.22       | 0.50 | 1.00 | 0.27 | 1/4       | 71133-3              |
| CF-125         | 2        | 1/0-2       | 50            | 11          | 1.97       | 0.63 | 1.34 | 0.27 | 1/4       | 71124-1              |
| CF-175         | 2        | 3/0-4       | 25            | 17          | 2.19       | 0.75 | 1.56 | 0.41 | 3/8       | 71125-8              |
| CF-225         | 2        | 4/0-2       | 25            | 25          | 2.63       | 1.00 | 1.81 | 0.41 | 3/8       | 71126-5              |
| CF-300         | 2        | 350-1/0     | 18            | 51          | 3.19       | 1.00 | 2.63 | 0.41 | 3/8       | 71128-9              |
| CF-400         | 2        | 500-1/0     | 3             | 80          | 4.25       | 1.50 | 2.75 | 0.41 | 3/8       | 71130-2              |
| CF-650         | 2        | 1000-600    | 1             | 190         | 4.63       | 2.00 | 3.69 | 0.53 | 1/2       | 71131-9              |

|         |   |         |     |     |      |      |      |      |     |         |
|---------|---|---------|-----|-----|------|------|------|------|-----|---------|
| CFS-35  | 3 | 8-14    | 100 | 2.2 | 1.19 | 0.38 | 0.75 | 0.20 | #10 | 71139-5 |
| CFS-70  | 3 | 4-14    | 100 | 2.8 | 1.31 | 0.50 | 0.81 | 0.27 | 1/4 | 71142-5 |
| CFS-125 | 3 | 1/0-2   | 50  | 11  | 1.97 | 0.63 | 1.34 | 0.27 | 1/4 | 71134-0 |
| CFS-225 | 4 | 4/0-1/0 | 25  | 23  | 2.63 | 1.00 | 1.81 | 0.41 | 3/8 | 71136-4 |
| CFS-400 | 4 | 500-4/0 | 3   | 68  | 4.25 | 1.50 | 2.75 | 0.41 | 3/8 | 71140-1 |

**Notes:** CF represents "bent" tang. CFS represents "straight" tang



## Type FLC Copper Lug

- One-piece construction for strength and durability.
- Excellent for confined quarters.
- Catalog Nos. FLC-500 and FLC-1000 are cast from high strength bronze alloy.
- All other Catalog numbers are cold forged from pure electrolytic copper with 99% conductivity.



Fig. 1

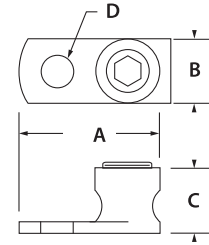


Fig. 2

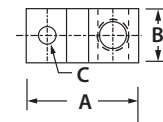


E50999

| Catalog Number | Fig. No. | Cond. Range | Pcs. Per Ctn. | Wt. Per 100 | Dimensions |      |      |      | Bolt Size | NAED UPC No. 632591- |
|----------------|----------|-------------|---------------|-------------|------------|------|------|------|-----------|----------------------|
|                |          |             |               |             | A          | B    | C    | D    |           |                      |
| FLC-8          | 2        | 8-14        | 100           | 1.5         | 0.70       | 0.34 | 0.38 | 0.20 | #10       | 71263-7              |
| FLC-4          | 2        | 4-14        | 100           | 3.6         | 1.09       | 0.53 | 0.55 | 0.27 | 1/4       | 71262-0              |
| FLC-1/0        | 1        | 1/0-8       | 50            | 9           | 1.50       | 0.63 | 0.75 | 0.34 | 5/16      | 71260-6              |
| FLC-250        | 1        | 250-6       | 25            | 17.12       | 1.97       | 0.63 | 0.94 | 0.41 | 3/8       | 71261-3              |
| FLC-500        | 1        | 500-4/0     | 25            | 65          | 3.00       | 1.81 | 1.47 | 0.63 | 5/8       | 71628-4              |
| FLC-1000       | 1        | 1000-500    | 10            | 155         | 4.00       | 2.00 | 2.53 | 0.75 | 3/4       | 71629-1              |

## Direct Burial Copper Lay-In Lug

- Made of copper alloy
- For copper conductors
- Stainless steel blade-type set screw
- Open face design
- Perfect for swimming pool grounding
- Rated for 600v
- Listed for direct burial in earth or concrete
- Plated = tin plated.



E1981080



| Catalog Number | Conductor Range | Dimensions (in.) |     |     | Pcs. Tang Height | Wt. Per Thickness | Bolt Size | Per Ctn. | 100 | NAED UPC No. 632591- |
|----------------|-----------------|------------------|-----|-----|------------------|-------------------|-----------|----------|-----|----------------------|
|                |                 | A                | B   | C   |                  |                   |           |          |     |                      |
| LIC-50S        | 4-14            | .97              | .38 | .26 | .69              | .15               | 1/4       | 100      | 2   | 61466-5              |
| LIC-50S Plated | 4-14            | .97              | .38 | .26 | .69              | .15               | 1/4       | 100      | 2   | 61497-9              |



## MISCELLANEOUS

### Oxide Inhibitor

For use with:

- Aluminum to aluminum
- Aluminum to copper
- Aluminum conduit threads

| Catalog Number | Carton Description | Carton Quantity | NAED UPC No. 632591- |
|----------------|--------------------|-----------------|----------------------|
| CO-OX-4        | 4 Oz. Bottle       | 12              | 71201-9              |
| CO-OX-8        | 8 Oz. Bottle       | 12              | 71202-6              |



E57463



Consists of a natural (petroleum) base in which zinc particles are suspended. Not recommended for use with rubber and polyethylene insulated conductors.

# CMCT-12 HAND OPERATION COMPRESSION TOOL



## CMCT-12 Hand Operated Compression Tool

- Lightweight and portable.
- Two speed pumping system for rapid ram advance.
- High strength fiberglass handles with a C-shaped head with 180° rotation for ease of accessibility.
- 12 ton capacity.
- Twist handle release and a high pressure safety relief valve.
- Push button system for ease of die insertion and removal.
- Optional covered C-head for mechanical protection and optional tool bag or carrying case.
- Can be used with either Burndy or T&B “U” or shell-type dies.
- Two-year warranty.

|                          |          |                                                                      |
|--------------------------|----------|----------------------------------------------------------------------|
| <b>Crimping Capacity</b> | COPPER   | -No. 8 stranded through 750 MCM grounding terminals and splices.     |
|                          |          | -No. 8 stranded through 500 MCM grounding taps and 3/4" ground rod.  |
|                          |          | -No. 8 stranded through 500 MCM insulated and uninsulated terminals. |
|                          | Aluminum | -No. 8 stranded through 750 MCM terminals and splices.               |
|                          | ACSR     | -No. 4 stranded through 556.6 26/7 stranding.                        |

### Safety Notice

All rubber or PVC covered tools have been designed to provide protection against accidental brush contact with energized lines. However, it is the user's responsibility to adhere to all safety procedure and regulations as specified by OSHA, other regulatory bodies and employer safety practices and procedures. GALVAN Electrical, Inc. is not responsible for injuries that can occur to users of this equipment.



| Catalog Number | Crimping Force | Operating Pressure                    | Jaw Opening        | Dimensions       |                   | Head Width         | Tool Weight            | NAED UPC No. 632591-71191-3 |
|----------------|----------------|---------------------------------------|--------------------|------------------|-------------------|--------------------|------------------------|-----------------------------|
|                |                |                                       |                    | Length           | Depth             |                    |                        |                             |
| CMCT-12        | 12 US tons     | 10,000 PSI<br>70,000 kPA<br>(700 Bar) | 1.65 in<br>6.98 cm | 23.25<br>59.05cm | 2.75 in<br>6.98cm | 4.75 in<br>12.07cm | 13.60 lbs.<br>6.16 kg. |                             |

**Notes:** \*Call factory for price.



## U DIES

### 12-Ton U Dies

Non-tension U-type 12-ton dies.



| Wire Size | Copper  | Aluminum |
|-----------|---------|----------|
| #8        | U8CRT   | U8CABT   |
| #6        | U6CRT   | U6CABT   |
| #4        | U4CRT   | U4CABT   |
| #3        | U3CRT   | N/A      |
| #2        | U2CRT   | U2CABT   |
| #1        | U1CRT-1 | U1CART   |
| 1/0       | U25RT   | U25ART   |
| 2/0       | U26RT   | U26ART   |
| 3/0       | U27RT   | U27ART   |
| 4/0       | U28RT   | U28ART   |
| 250 MCM   | U29RT   | U29ART   |
| 300 MCM   | U30RT   | U30ART   |
| 350 MCM   | U31RT   | U31ART   |
| 400 MCM   | U32RT   | U32ART   |
| 500 MCM   | U34RT   | U34ART   |
| 600 MCM   | U36RT   | U36ART   |
| 750 MCM   | U39RT   | U39ART-2 |

**Notes:** N/A = not available.



## CMIT Mechanical Indent Tool

- High strength, lightweight aluminum body.
- No dies required.
- High strength fiberglass handles.
- Designed to easily crimp a range of connectors without the use of hydraulic tools.
- Adjustable indenter to cover a wide array of wire ranges and wire types of copper and aluminum lugs and splices.
- Indenter adjusting screw is protected to prevent damage from accidental dropping.
- Calibrated scale for copper connectors with wire range sizes.
- Nest and indenter made of high strength steel for durability.
- Optional tool bag.
- One-year warranty.



| Catalog Number | Crimping Capacity | Dimensions |          |          | Tool Weight | NAED<br>UPC No.<br>632591-71192-0 |
|----------------|-------------------|------------|----------|----------|-------------|-----------------------------------|
|                |                   | Length     | Depth    | Width    |             |                                   |
| CMIT           | 4/0 AWG, 107.07mm | 23.63 in.  | 1.15 in. | 4.50 in. | 5.50 lbs.   |                                   |
|                | Aluminum Cable    |            |          |          |             |                                   |
|                | 250 MCM, 126.5mm  | 60.00cm    | 3.81cm   | 11.43cm  | 2.50kg      |                                   |
|                | Copper Cable      |            |          |          |             |                                   |

**Notes:** \*Call factory for price.



## CCIT ECONOMICAL MECHANICAL INDENT TOOL

### Economical Mechanical Indent Tool

- High strength, steel body.
- **No dies required.**
- Designed to easily crimp a range of fittings without the use of hydraulic tools.
- Adjustable indenter to cover a wide array of wire ranges and wire types of copper and aluminum lugs and splices.
- Calibrated scale for copper connectors with wire range from 250 MCM down to #8 str.
- Calibrated scale for aluminum connectors with wire range from 4/0 AWG down to #8 str.
- Nest and indenter made of high strength steel for durability.
- One-year warranty.



| Catalog Number | Crimping Capacity                 | Dimensions |          |          | Tool Weight | NAED UPC No. 632591-71095-4 |
|----------------|-----------------------------------|------------|----------|----------|-------------|-----------------------------|
|                |                                   | Length     | Depth    | Width    |             |                             |
| CCIT           | 4/0 AWG to #8 str. Aluminum Cable | 23.00 in.  | 1.15 in. | 4.50 in. | 6.05 lbs.   |                             |
|                | 250 MCM to #8 str. Copper Cable   | 60.00cm    | 3.81cm   | 11.43cm  | 2.75kg      |                             |

#### Notes

\*Call factory for price



**Cross Reference** is to be used as an aid in selecting products from GALVAN that are similar to the products of other manufacturers. All Information should be verified by the user.





## GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan / Comec | IlSCO   | NSI  | Penn Union | Burndy | Greaves | Homac | T&B    |
|----------------|---------|------|------------|--------|---------|-------|--------|
| LA-2           | TA-2    | 2T   | LA-2       | KA-2U  | -       | -     | ADR-2  |
| LA-6           | TA-6S   | -    | LA-6       | KA-6U  | -       | -     | ADR6   |
| LA-1/0         | TA-0    | 0T   | LA-0       | KA-25U | A-1/0   | -     | ADR11  |
| LA-2/0         | TA-2/0  | -    | LA-2/0     | KA-26U | A-2/0   | -     | ADR21  |
| LA250          | TA-250  | 250T | LA-250     | KA-29U | A-250   | A-250 | ADR25  |
| LA-300         | TA-300  | 300T | -          | KA-30U | A-300   | A-300 | ADR30  |
| LA-350         | TA-350  | 350T | LA-350     | KA-31U | A-350   | A-350 | ADR35  |
| LA-500         | TA-500  | 500T | LA-500     | KA-34U | A-500   | A-500 | ADR50  |
| LA-600         | TA-600  | 600T | LA-600     | KA-36U | A-600   | A-600 | ADR60  |
| LA-800         | TA-800  | 800T | LA-800     | KA-40U | A-800   | A-800 | ADR80  |
| LA-1000        | TA-1000 | -    | LA-1000    | KA-44U | A-1000  | -     | ADR-99 |



| Galvan / Comec | IlSCO      | NSI   | Penn Union | Burndy    | Greaves | Homac | T&B      |
|----------------|------------|-------|------------|-----------|---------|-------|----------|
| L1M2-350       | TA-350-2NS | 350L2 | LA-350-2   | -         | A-350N  | -     | ADR35-12 |
| L1M2-600       | TA-600-2NS | 600L2 | LA-600-2   | KA-36U-2N | A-600N  | -     | -        |



| Galvan / Comec | IlSCO      | NSI     | Penn Union  | Burndy     | Greaves | Homac | T&B       |
|----------------|------------|---------|-------------|------------|---------|-------|-----------|
| L1D2-350       | TA-350-2N  | -       | LLA2-350-S1 | KKA-31U-2N | -       | -     | -         |
| L1D2-600       | TA-600-2N  | 600LL2  | -           | -          | -       | -     | ADR60-12D |
| L1D2-800       | TA-800-2N  | 800LL2  | -           | -          | A800-N  | -     | ADR80-12D |
| L1D2-1000      | TA-1000-2N | 1000LL2 | LLA-1000-S1 | -          | -       | -     | ADR99-12D |

# GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan / Comec | IlSCO   | NSI     | Penn Union | Burndy  | Greaves | Homac   | T&B      |
|----------------|---------|---------|------------|---------|---------|---------|----------|
| DLA-1/0        | AU-0    | -       | L2A-0      | K2A-25U | AA-1/0  | -       | ADR11-21 |
| DLA-2/0        | AU-2/0  | 2-2/0T  | -          | K2A26U  | AA-2/0  | -       | ADR21-21 |
| DLA-250        | AU-250  | 2-250T  | L2A-250    | K2A-29U | AA-250  | AD-250D | ADR25-21 |
| DLA-350        | AU-350  | 2-350T  | LA-350     | K2A-31U | AA-350  | -       | ADR35-21 |
| DLA-600        | AU-600  | 2-600T  | L2A-600    | K2A-36U | AA-600  | AD-600D | ADR60-21 |
| DLA-800        | AU-800  | 2-800T  | L2A-800    | K2A-40U | AA-800  | -       | ADR80-21 |
| DLA-1000       | AU-1000 | 2-1000T | L2A-1000   | K2A-44U | AA-1000 | -       | ADR99-21 |



| Galvan/<br>Comec | IlSCO     | NSI     | Penn Union | Burndy    | Greaves | Homac | T&B      |
|------------------|-----------|---------|------------|-----------|---------|-------|----------|
| L2M2-350         | AU-350-2N | 2-350L2 | L2A-350-2  | KA-31U-2N | AA-600N | -     | ADR35-22 |



| Galvan/<br>Comec | IlSCO      | NSI | Penn Union | Burndy | Greaves  | Homac | T&B       |
|------------------|------------|-----|------------|--------|----------|-------|-----------|
| L2D2-350         | AU-350-2N  | -   | -          | -      | -        | -     | -         |
| L2D2-600         | AU-600-2N  | -   | -          | -      | -        | -     | ADR60-22D |
| L2D2-800         | AU-800-2N  | -   | -          | -      | AA-800N  | -     | ADR80-22D |
| L2D2-1000        | AU-1000-2N | -   | -          | -      | AA-1000N | -     | ADR99-22D |



## GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | IlSCO     | NSI | Penn Union | Burndy     | Greaves  | Homac | T&B      |
|-------------------|-----------|-----|------------|------------|----------|-------|----------|
| L3M2-1/0          | T3A2-0    | -   | L3A-1/0-2  | K3A-25U-2  | -        | -     | ADR11-32 |
| L3M2-3/0          | T3A2-3/0N | -   | L3A-250-2  | K3A-27U-2N | -        | -     | ADR31-32 |
| L3M2-250          | T3A2-250N | -   | L3A-250-2  | K3A-29U-2N | AAA-250N | -     | ADR25-32 |
| L3M2-350          | T3A2-350N | -   | L3A-350-2  | K3A-31U-2N | AAA-350N | -     | ADR35-32 |
| L3M2-500          | -         | -   | L3A-500-2  | K3A-36U-2N | -        | -     | ADR50-32 |



| Galvan /<br>Comec | IlSCO      | NSI | Penn Union | Burndy      | Greaves   | Homac | T&B       |
|-------------------|------------|-----|------------|-------------|-----------|-------|-----------|
| L3D2-600          | T3A2-600N  | -   | -          | KK3A-36U-2N | AAA-600N  | -     | ADR60-32D |
| L3D2-800          | T3A2-800N  | -   | L3A-800-2  | KK3A-40U-2N | AAA-800N  | -     | ADR80-32  |
| L3D2-1000         | T3A2-1000N | -   | -          | KK3A-44U-2N | AAA-1000N | -     | ADR99-32  |



| Galvan /<br>Comec | IlSCO     | NSI | Penn Union | Burndy     | Greaves  | Homac | T&B      |
|-------------------|-----------|-----|------------|------------|----------|-------|----------|
| L3M4-1/0          | T3A4-0    | -   | -          | K3A-25U-4  | -        | -     | ADR11-34 |
| L3M4-3/0          | T3A4-3/0N | -   | -          | K3A-27U-4N | -        | -     | ADR31-34 |
| L3M4-250          | T3A4-250N | -   | L3A-250-4  | K3A-29U-4N | AAA-250N | -     | ADR25-34 |
| L3M4-350          | T3A4-350N | -   | L3A-350-4  | K3A-31U-4N | AAA-350N | -     | ADR35-34 |
| L3M4-500          | T3A4-500N | -   | L3A-500-4  | -          | -        | -     | ADR50-34 |

# GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | IlSCO      | NSI       | Penn Union | Burndy      | Greaves   | Homac       | T&B       |
|-------------------|------------|-----------|------------|-------------|-----------|-------------|-----------|
| L3D4-600          | T3A4-600N  | 3-600LL4  | -          | KK3A-36U-4N | -         | ATA344-600N | ADR60-34D |
| L3D4-800          | T3A4-800N  | 3-800LL4  | L3A-800-4  | KK3A-40U-4N | AAA-800N  | -           | ADR80-34  |
| L3D4-1000         | T3A4-1000N | 3-1000LL4 | -          | KK3A-44U-4N | AAA-1000N | -           | ADR99-34  |



| Galvan /<br>Comec | IlSCO     | NSI     | Penn Union | Burndy     | Greaves   | Homac      | T&B      |
|-------------------|-----------|---------|------------|------------|-----------|------------|----------|
| L4M4-250          | T4A4-250N | 4-250L4 | LA4M4-250  | K4A-29U-4N | AAAA-250N | AT4A4-250N | ADR25-44 |
| L4M4-350          | T4A4-350N | 4-350L4 | LA4M4-350  | K4A-31U-4N | AAAA-350N | AT4A4-350N | ADR35-44 |



| Galvan /<br>Comec | IlSCO     | NSI      | Penn Union | Burndy      | Greaves   | Homac      | T&B       |
|-------------------|-----------|----------|------------|-------------|-----------|------------|-----------|
| L4D4-600          | T4A4-600N | 4-600LL4 | LA4M4-600  | KK4A-36U-4N | -         | AT4A4-600N | ADR60-44D |
| L4D4-800          | T4A4-800N | 4-800LL4 | LA4M4-800  | KK4A-40U-4N | AAAA-800N | -          | ADR80-44D |
| L4D4-1000         | -         | 4-100L4  | -          | -           | -         | -          | ADR99-44D |



## GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comtec | IlSCO   | NSI | Penn Union | Burndy     | Greaves | Homac | T&B       |
|--------------------|---------|-----|------------|------------|---------|-------|-----------|
| PV2-300            | PB2-300 | -   | -          | K11A-30U   | -       | -     | ASL-30-21 |
| 2ABV-500           | PB2-500 | -   | -          | K11A-34U-2 | -       | -     | -         |
| 2ABV-600           | PB2-600 | -   | PB2-600    | K11A-36U-2 | AQ2-600 | -     | ASL-60-22 |
| 2ABV-750           | PB2-750 | -   | PB2-750    | K11A-39U-2 | AQ2-750 | -     | ASL-75-22 |



| Galvan /<br>Comtec | IlSCO   | NSI | Penn Union | Burndy     | Greaves | Homac | T&B       |
|--------------------|---------|-----|------------|------------|---------|-------|-----------|
| 3ABV-500           | -       | -   | -          | -          | -       | -     | ASL60-21  |
| 3ABV-600           | PB3-600 | -   | PB3-600    | K21A-36U-2 | AQ3-600 | -     | ASL-60-32 |
| 3ABV-750           | -       | -   | PB3-750    | -          | AQ3-750 | -     | ASL-75-32 |



| Galvan /<br>Comtec | IlSCO   | NSI | Penn Union | Burndy     | Greaves | Homac | T&B       |
|--------------------|---------|-----|------------|------------|---------|-------|-----------|
| 4ABV-500           | -       | -   | -          | -          | -       | -     | -         |
| 4ABV-600           | PB4-600 | -   | PB4-600    | K22A-36U-2 | AQ4-600 | -     | ASL-60-42 |
| 4ABV-750           | PB4-750 | -   | PB4-750    | K22A-39U-2 | AQ4-750 | -     | ASL-75-42 |



| Galvan /<br>Comtec | IlSCO | NSI | Penn Union | Burndy | Greaves | Homac | T&B |
|--------------------|-------|-----|------------|--------|---------|-------|-----|
| 6ABV-500           | -     | -   | -          | -      | -       | -     | -   |
| 6ABV-750           | -     | -   | -          | -      | -       | -     | -   |



| Galvan /<br>Comtec | IlSCO    | NSI | Penn Union | Burndy   | Greaves | Homac | T&B      | Galvan /<br>Comtec |
|--------------------|----------|-----|------------|----------|---------|-------|----------|--------------------|
| SR-0               | SPA-0    | -   | SR-0       | AMS-0    | ABS-1/0 | -     | ASR-1108 | SR-0               |
| SR-2               | SPA-2    | -   | SR-2       | AMS-2    | ABS-2   | -     | ASR-0214 | SR-2               |
| SR-250             | SPA-250  | -   | SR-250     | AMS-250  | ABS-250 | -     | ASR-2506 | SR-250             |
| SR-350             | SPA-350  | -   | SR-350     | AMS-350  | ABS-350 | -     | ASR-3504 | SR-350             |
| SR-500             | SPA-500  | -   | SR-500     | AMS-500  | ABS-500 | -     | ASR-6041 | SR-500             |
| SR-750             | SPA-750  | -   | SR-750     | AMS-750  | ABS-750 | -     | -        | SR-750             |
| SR-1000            | SPA-1000 | -   | -          | AMS-1000 | -       | -     | -        | SR-1000            |



| Galvan /<br>Comtec | IlSCO    | NSI    | Penn Union | Burndy | Greaves | Homac        | T&B       | Galvan /<br>Comtec |
|--------------------|----------|--------|------------|--------|---------|--------------|-----------|--------------------|
| 2CLA1/0-38         | 2ACL-1/0 | AL1/0N | BLUA-1/0D1 | YA25A5 | -       | -            | ATL102-38 | 2CLA1/0-38         |
| 2CLA2/0-50         | 2ACL-2/0 | AL2/0N | BLUA-2/0D  | YA26A3 | AL2/0-N | -            | ATL202    | 2CLA2/0-50         |
| 2CLA3/0-50         | 2ACL-3/0 | AL3/0N | BLUA-3/0D  | YA27A5 | AL3/0-N | -            | ATL302    | 2CLA3/0-50         |
| 2CLA4/0-50         | 2ACL-4/0 | AL4/0N | BLUA-4/0D  | YA28A5 | AL4/0-N | -            | ATL402    | 2CLA4/0-50         |
| 2CLA250-50         | 2ACL-250 | AL250N | BLUA-025D  | YA29A3 | AL250-N | -            | ATL2502   | 2CLA250-50         |
| 2CLA300-50         | 2ACL-300 | AL300N | BLUA-0300D | YA30A3 | AL300-N | -            | ATL3002   | 2CLA300-50         |
| 2CLA350-50         | 2ACL-350 | AL350N | BLUA-035D  | YA31A3 | AL350-N | -            | ATL3502   | 2CLA350-50         |
| 2CLA400-50         | 2ACL-400 | AL400N | BLUA-400D2 | YA32A3 | AL400-N | AL-400 NTN D | ATL4002   | 2CLA400-50         |
| 2CLA500-50         | 2ACL-500 | AL500N | BLUA-050D2 | YA34A3 | AL500 N | AL-500 NTN D | ATL5002   | 2CLA500-50         |
| 2CLA600-50         | 2ACL-600 | AL600N | BLUA-060D2 | YA36A3 | AL600-N | AL 600 NTN D | ATL6002   | 2CLA600-50         |
| 2CLA750-50         | 2ACL-750 | AL750N | BLUA-075D1 | YA39A5 | AL750-N | AL 750 NTN D | ATL7502   | 2CLA750-50         |

# GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | IlSCO  | NSI    | Penn Union | Burndy  | Greaves | Homac | T&B    | Galvan /<br>Comec |
|-------------------|--------|--------|------------|---------|---------|-------|--------|-------------------|
| A-2               | -      | APS02  | -          | -       | -       | -     | APS02  | A-2               |
| A-4               | AK-4/0 | APS04  | -          | -       | -       | -     | APS04  | A-4               |
| A-6               | AK-6   | APS06  | -          | KSA-6   | -       | -     | APS06  | A-6               |
| A-1/0             | AK-1/0 | APS11  | SWA-7      | KSA-1/0 | -       | -     | APS11  | A-1/0             |
| A-2/0             | AK-2/0 | APS21  | SWA-8      | KSA-2/0 | -       | -     | APS21  | A-2/0             |
| A-4/0             | AK-4/0 | -      | SWA-10     | KSA-4/0 | -       | -     | APS41  | A-4/0             |
| A-350             | AK-350 | APS350 | SWA-11     | KSA-350 | -       | -     | APS350 | A-350             |
| A-500             | AK-500 | APS500 | SWA-12     | KSA-500 | -       | -     | APS500 | A-500             |



| Galvan /<br>Comec | IlSCO   | NSI    | Penn Union | Burndy | Greaves | Homac    | T&B   | Galvan /<br>Comec |
|-------------------|---------|--------|------------|--------|---------|----------|-------|-------------------|
| K-1               | -       | -      | -          | KS-23  | -       | -        | 1H    | K-1               |
| K-2               | IK-2    | N-2    | S-2        | KS-22  | A-7     | E 2 D    | 2H    | K-2               |
| K-3               | IK-3    | -      | -          | -      | -       | -        | 3H    | K-3               |
| K-4               | IK-4    | N-4    | S-4        | KS-20  | A-5     | E 4 D    | 4H    | K-4               |
| K-6               | IK-6    | N-6    | S-6        | KS-17  | A-3     | E 6 D    | 6H    | K-6               |
| K-8               | IK-8    | N-8    | S-8        | KS-15  | A-2     | -        | 8H    | K-8               |
| K-10              | IK-10   | N-10   | S-10       | KS-90  | A-1     | -        | 9H    | K-10              |
| K-1/0             | IK-1/0  | N-1/0  | S-1/0      | KS-25  | A-10    | E 1/0 D  | 10H   | K-1/0             |
| K-2/0             | IK-2/0  | N-2/0  | S-2/0      | KS-26  | A-11    | E2/0 D   | 20H   | K-2/0             |
| K-3/0             | IK-3/0  | N-3/0  | -          | KS-27  | -       | E 3/0 D  | -     | K-3/0             |
| K-250             | IK-250  | N-250  | S-4/0-250  | KS-29  | A-14    | -        | 40H   | K-250             |
| K-350             | IK-350  | N-350  | S-350      | KS-31  | A-15    | E 350 D  | 350M  | K-350             |
| K-500             | IK-500  | N-500  | S-500      | KS-34  | A-16    | -        | 500M  | K-500             |
| K-750             | IK-750  | N-750  | S-750      | KS-39  | A-17    | E 750 D  | 750M  | K-750             |
| K-1000            | IK-1000 | N-1000 | S-1000     | KS-44  | A-18    | E 1000 D | 1000M | K-1000            |



## GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | IlSCO  | NSI      | Penn Union | Burndy | Greaves | Homac   | T&B    | Galvan /<br>Comec |
|-------------------|--------|----------|------------|--------|---------|---------|--------|-------------------|
| S-1               | SK-2   | -        | SW-6       | KSU-23 | -       | -       | 1HPS   | S-1               |
| S-2               | SK-3   | -        | SW-6       | KSU-22 | A-8-SP  | -       | 2HPS   | S-2               |
| S-4               | SK-4   | N-4SP    | SW-5       | KSU-20 | A-5-SP  | -       | 4HPS   | S-4               |
| S-6               | SK-6   | N-6SP    | SW-4       | KSU-17 | A-3-SP  | E6-GP D | 6HPS   | S-6               |
| S-1/0             | SK-1/0 | N-1/0SP  | SW-7       | KSU-25 | A-10-SP | -       | 10HPS  | S-1/0             |
| S-2/0             | SK-2/0 | N-2/0SP  | SW-8       | KSU-26 | A-11-SP | -       | 20HPS  | S-2/0             |
| S-3/0             | SK-3/0 | N-3/0SP  | SW-9A      | -      | -       | -       | 30HPS  | S-3/0             |
| S-250             | SK-4/0 | -        | SW-10      | KSU-29 | A-14-SP | -       | 40HPS  | S-250             |
| S-350             | SK-350 | N-350-SP | SW-11      | KSU-31 | A-15-SP | -       | 350HPS | S-350             |
| S-500             | SK-500 | N-500-SP | SW-12      | KSU-34 | A-16-SP | -       | 500HPS | S-500             |



| Galvan /<br>Comec | IlSCO  | NSI     | Penn Union | Burndy | Greaves | Homac      | T&B    | Galvan /<br>Comec |
|-------------------|--------|---------|------------|--------|---------|------------|--------|-------------------|
| SA-1              | AS-1   | ASC1T   | BCUA-1     | YS1CA1 | ASC1T   | -          | ASP1   | SA-1              |
| SA-2              | AS-2   | ASC2T   | BCUA-2     | YS2CA1 | ASC2T   | -          | ASP2   | SA-2              |
| SA-4              | AS-4   | ASC4T   | BCUA-4     | YS4CA1 | ASC4T   | E4-GP D    | ASP4   | SA-4              |
| SA-6              | AS-6   | ASC6T   | BCUA-6     | YS6CA1 | ASC6T   | E 6-GP D   | ASP6   | SA-6              |
| SA-8              | AS-8   | -       | BCUA-8     | -      | -       | E 8 GP D   | ASP8   | SA-8              |
| SA-1/0            | AS-1/0 | ASC1/0T | BCUA-1/0   | YS25A1 | ASC1/0T | E 1/0 GP D | ASP10  | SA-1/0            |
| SA-2/0            | AS-2/0 | ASC2/0T | BCUA-2/0   | YS26A1 | ASC2/0T | -          | ASP20  | SA-2/0            |
| SA-3/0            | AS-3/0 | ASC3/0T | BCUA-3/0   | YS27A1 | ASC3/0T | -          | ASP30  | SA-3/0            |
| SA-4/0            | AS-4/0 | ASC4/0T | BCUA-4/0   | YS28A1 | ASC4/0T | E 250 D    | ASP40  | SA-4/0            |
| SA-250            | AS-250 | ASC250T | BCUA-025   | YS29A1 | ASC250T | -          | ASP250 | SA-250            |
| SA-300            | AS-300 | ASC300T | BCUA-030   | YS30A1 | ASC300T | -          | ASP300 | SA-300            |
| SA-350            | AS-350 | ASC350T | BCUA-035   | YS31A1 | ASC350T | -          | ASP350 | SA-350            |
| SA-400            | AS-400 | ASC400T | BCUA-040   | YS32A1 | ASC400T | -          | ASP400 | SA-400            |
| SA-500            | AS-500 | ASC500T | BCUA-050   | YS34A1 | ASC500T | -          | ASP500 | SA-500            |
| SA-600            | AS-600 | ASC600T | BCUA-060   | YS36A1 | ASC600T | -          | ASP600 | SA-600            |
| SA-750            | AS-750 | ASC750T | BCUA-075   | YS39A1 | ASC750T | -          | ASP750 | SA-750            |



| Galvan /<br>Comec | Ilsco     | NSI | Penn Union | Burndy  | Greaves  | Homac       | T&B       | Galvan /<br>Comec |
|-------------------|-----------|-----|------------|---------|----------|-------------|-----------|-------------------|
| CC1-25            | CRA-1-14  | -   | BLU-1S9    | YA1C-L2 | -        | -           | CTL1-14   | CC1-25            |
| CC1-31            | CRA-1     | -   | BLU-1S     | YA1C-L  | -        | -           | CTL1-516  | CC1-31            |
| CC1-38            | CRA-1-38  | -   | BLU-1S1    | YA1C-L4 | GL-138   | -           | CTL1-38   | CC1-38            |
| CC2-25            | CRA-2     | -   | BLU-2S     | YA2C-L2 | -        | -           | CTL2-14   | CC2-25            |
| CC2-31            | CRB-2     | -   | BLU-2S1    | YA2C-L  | GL-256   | -           | CTL2-516  | CC2-31            |
| CC2-38            | CRC-2     | -   | BLU-2S2    | YA2C-L4 | GL-238   | -           | CTL2-38   | CC2-38            |
| CC4-19            | CRA-4     | -   | BLU-4S     | YA4C-L1 | -        | -           | CTL4-10   | CC4-19            |
| CC4-25            | CRB-4     | -   | BLU-4S1    | YA4C-L  | -        | HL 4-14 D   | CTL4-14   | CC4-25            |
| CC4-31            | CRB-4-516 | -   | BLU-4S10   | YA4C-L3 | GL-456   | -           | CTL4-516  | CC4-31            |
| CC4-38            | -         | -   | BLU-4S2    | YA4C-L4 | GL-438   | -           | CTL4-38   | CC4-38            |
| CC6-19            | CRA-6     | -   | BLU-6S2    | YA6C-L3 | -        | -           | CTL6-516  | CC6-19            |
| CC6-25            | CRB-6     | -   | BLU-6S1    | YA6C-L  | GL-614   | -           | CTL6-14   | CC6-25            |
| CC6-31            | -         | -   | BLU-6S2    | YA6C-L3 | -        | -           | CTL6-516  | CC6-31            |
| CC6-38            | -         | -   | -          | -       | -        | -           | CTL6-38   | CC6-38            |
| CC8-19            | CRA-8     | -   | BLU-8S14   | YA8C-L  | GL-810   | -           | CTL8-10   | CC8-19            |
| CC8-25            | -         | -   | BLU-8S15   | YA8C-L1 | GL-814   | -           | CTL8-14   | CC8-25            |
| CC8-31            | -         | -   | BLU-8S16   | YA8C-L2 | -        | -           | CTL8-516  | CC8-31            |
| CC1/0-25          | CRA-0-14  | -   | BLU-1/0S19 | YA25-L2 | -        | -           | 54152TB   | CC1/0-25          |
| CC1/0-31          | CRA-0     | -   | BLU-1/0S   | YA25-L  | -        | -           | CTL10-516 | CC1/0-31          |
| CC1/0-38          | CRB-0     | -   | BLU-1/0S1  | YA25-L4 | GL-1038  | HL 1/0-39 D | CTL10-38  | CC1/0-38          |
| CC1/0-50          | -         | -   | -          | -       | -        | -           | CTL10-12  | CC1/0-50          |
| CC2/0-38          | CRA-2/0   | -   | BLU-2/0S   | YA26-L  | GL-2038  | HL 2/0-38 D | CTL20-38  | CC2/0-38          |
| CC2/0-50          | -         | -   | BLU-2/0S4  | YA26-L6 | GL-2048  | -           | CTL20-12  | CC2/0-50          |
| CC3/0-38          | CRA-3/0   | -   | BLU-3/0S   | YA27-L4 | GL-3038  | HL 3/0-38 D | CTL30-38  | CC3/0-38          |
| CC3/0-50          | CRB-3/0   | -   | BLU-3/0S1  | YA27-L  | GL-3048  | HL 3/0-48 D | CTL30-12  | CC3/0-50          |
| CC4/0-38          | CRA-4/0   | -   | BLU-4/0S   | YA28-L4 | GL-4038  | HL 4/0-38 D | CTL40-38  | CC4/0-38          |
| CC4/0-50          | CRB-4/0   | -   | BLU-4/0S1  | YA28-L  | GL-4048  | HL 4/0-48 D | CTL40-12  | CC4/0-50          |
| CC250-38          | -         | -   | BLU-025S2  | YA29-L4 | -        | HL 250-38 D | CTL250-38 | CC250-38          |
| CC250-50          | CRA-250   | -   | BLU-025S   | YA29-L  | GL-25048 | -           | CTL250-12 | CC250-50          |
| CC300-50          | CRA-300   | -   | BLU-030S   | YA30-L  | GL-30048 | -           | CTL300-12 | CC300-50          |
| CC300-62          | -         | -   | -          | YA30-L7 | -        | -           | -         | CC300-62          |
| CC350-50          | CRA-350   | -   | BLU035S    | YA31-L  | GL-35048 | -           | CTL350-12 | CC350-50          |
| CC350-62          | -         | -   | BLU-035S3  | YA31-L7 | -        | -           | -         | CC350-62          |
| CC400-50          | CRA-400   | -   | BLU-040S   | YA32-L  | GL-40048 | -           | CTL400-12 | CC400-50          |
| CC400-62          | CRA-4/0   | -   | BLU-4/0S   | YA28-L4 | -        | -           | CTL400-58 | CC400-62          |



## GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | IlSCO   | NSI | Penn Union | Burndy  | Greaves  | Homac       | T&B        | Galvan /<br>Comec |
|-------------------|---------|-----|------------|---------|----------|-------------|------------|-------------------|
| CC500-50          | CRA-500 | -   | BLU-050S2  | YA34-L6 | GL-50048 | -           | CTL500-12  | CC500-50          |
| CC500-62          | CRA-500 | -   | BLU-050S   | YA34-L  | -        | HL 500-58 D | CTL500-58  | CC500-62          |
| CC600-62          | CRA-600 | -   | BLU-060S   | YA36-L  | -        | -           | CTL600-58  | CC600-62          |
| CC700-62          | CRA-700 | -   | -          | YA38-L  | -        | -           | -          | CC700-62          |
| CC750-62          | CRA-750 | -   | BLU-075S   | YA39-L  | GL-75058 | -           | CTL750-58  | CC750-62          |
| CC1000-75         | -       | -   | BLU-100S4  | -       | GL-10058 | -           | CTL1000-58 | CC1000-75         |



| Galvan /<br>Comec | IlSCO     | NSI     | Penn Union | Burndy | Greaves | Homac     | T&B         | Galvan /<br>Comec |
|-------------------|-----------|---------|------------|--------|---------|-----------|-------------|-------------------|
| CCB1-31           | CRA-1L    | -       | BBLU-1S    | YA1C   | -       | -         | CTL1L-516   | CCB1-31           |
| CCB2-31           | CRA-2L    | -       | BBLU-2S    | YA2C   | -       | L2-38- D  | CTL2L-516   | CCB2-31           |
| CCB4-25           | CRB-4L    | L-414   | BBLU-4S    | YA4C   | -       | -         | CTL4L-14    | CCB4-25           |
| CCB6-25           | CRB-6L    | L-614   | BBLU-6S    | YA6C   | L-614   | -         | CTL6L-14    | CCB6-25           |
| CCB8-25           | CCL-8-10  | -       | -          | -      | -       | L8-14 D   | CTL8L-14    | CCB8-25           |
| CCB1/0-38         | CRA-1/0L  | L-1038  | BBLU-1/0S  | YA25   | -       | -         | CTL10L-516  | CCB1/0-38         |
| CCB2/0-38         | CRA-2/0L  | L-2038  | BBLU-2/0S  | YA26   | L-2038  | -         | CTL20L-38   | CCB2/0-38         |
| CCB2/0-50         | -         | L-2048  | -          | YA26-N | L-2048  | -         | -           | CCB2/0-50         |
| CCB3/0-50         | CRB-3/0L  | L-3048  | BBLU-3/0S  | YA27   | L-3048  | L3/0-48 D | CTL30L-12   | CCB3/0-50         |
| CCB4/0-50         | CRB-4/0L  | L-4048  | BBLU-4/0S  | YA28   | L-4048  | -         | CTL40L-12   | CCB4/0-50         |
| CCB250-50         | CRA-250L  | L-25048 | BBLU-025S  | YA29   | L-25048 | L250-48 D | CTL250L-12  | CCB250-50         |
| CCB300-50         | CRA-300L  | L-30048 | BBLU-030S  | YA30   | L-30048 | -         | CTL300L-12  | CCB300-50         |
| CCB350-50         | CRA-350L  | L-35048 | BBLU-035S  | YA31   | L-35048 | L350-48-D | CTL350L-12  | CCB350-50         |
| CCB400-50         | CRA-400L  | L-40048 | BBLU-040S  | YS32   | L-40048 | -         | CTL400L-58  | CCB400-50         |
| CCB500-50         | CRA-500L  | L-50048 | BBLU-050S  | YA34   | L-50048 | -         | CTL500L-58  | CCB500-50         |
| CCB600-62         | CRA-600L  | L-60058 | BBLU-060S  | YA36   | -       | -         | CTL600L-58  | CCB600-62         |
| CCB750-62         | CRA-750L  | L-75058 | BBLU-075S  | YA39   | L-75058 | -         | CTL750L-58  | CCB750-62         |
| CCB1000-62        | CRA-1000L | L-10058 | BBLU-100S  | YA44   | L-10058 | -         | CTL1000L-58 | CCB1000-62        |

# GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | IlSCO      | NSI    | Penn Union | Burndy  | Greaves  | Homac    | T&B      | Galvan /<br>Comec |
|-------------------|------------|--------|------------|---------|----------|----------|----------|-------------------|
| CCBL1-31          | CRA-1L2    | -      | BBLU-1D    | YA1C-2  | -        | -        | LNC1-516 | CCBL1-31          |
| CCBL2-31          | CRB-2L2    | -      | BBLU-2D    | YA2C-2  | -        | -        | LCN2-516 | CCBL2-31          |
| CCBL4-25          | CRB-4L2    | L4N    | BBLU-4D    | YA4C-2  | -        | -        | LCN4-14  | CCBL4-25          |
| CCBL6-25          | CRB-6L2    | -      | BBLU-6D    | YA6C-2  | -        | -        | LCN6-14  | CCBL6-25          |
| CCBL8-25          | -          | -      | -          | -       | -        | -        | LCN8-14  | CCBL8-25          |
| CCBL1/0-31        | CRA-1/0L2  | -      | BBLU-1/0D  | -       | -        | -        | -        | CCBL1/0-31        |
| CCBL1/0-50        | CRC-1/0L2  | -      | BBLU-1/0D3 | YA25-2  | -        | -        | LCN10    | CCBL1/0-50        |
| CCBL2/0-50        | CRA-2/0L2  | L20N   | BBLU-2/0D  | YA26-2N | L-20-N   | L2/0-N   | LCN-20   | CCBL2/0-50        |
| CCBL3/0-50        | CRB-3/0L2  | L30N   | BBLU-3/0D  | YA27-2N | L-30-N   | L3/0-N D | LCN30    | CCBL3/0-50        |
| CCBL4/0-50        | CRB-4/0L2  | L40N   | BBLU-4/0D  | YA28-2N | L-40-N   | L4/0-N   | LCN-40   | CCBL4/0-50        |
| CCBL250-50        | CRA-250L2  | L250N  | BBLU-025D  | YA29-2N | L-250-N  | L250-N   | LCN-250  | CCBL250-50        |
| CCBL300-50        | CRA-300L2  | L300N  | BBLU-030D  | YA30-2N | L-300-N  | L300-N   | LCN-300  | CCBL300-50        |
| CCBL350-50        | CRA-350L2  | L350N  | BBLU-035D  | YA31-2N | L-350-N  | L350-N   | LCN-350  | CCBL350-50        |
| CCBL400-50        | CRA-400L2  | L400N  | BBLU-040D  | YA32-2N | L-400-N  | L400-N   | LCN-400  | CCBL400-50        |
| CCBL500-50        | CRA-500L2  | L500N  | BBLU-050D  | YA34-2N | L-500-N  | L500-N D | LCN-500  | CCBL500-50        |
| CCBL600-50        | CRA-600L2  | L600N  | BBLU-060D  | YA36-2N | L-600-N  | L600-N   | LCN-600  | CCBL600-50        |
| CCBL750-50        | CRA-750L2  | L750N  | BBLU-075D  | YA39-2N | L-750-N  | L750-N   | LCN-75   | CCBL750-50        |
| CCBL1000-50       | CRA-1000L2 | L1000N | BBLU-100D  | -       | L-1000-N | L1000-N  | LCN-1000 | CCBL1000-50       |



| Galvan /<br>Comec | IlSCO   | NSI   | Penn Union | Burndy | Greaves | Homac    | T&B      | Galvan /<br>Comec |
|-------------------|---------|-------|------------|--------|---------|----------|----------|-------------------|
| CF-25             | SLU-25  | DE703 | SLU-25     | KLU25  | D-703   | -        | BTC-1014 | CF-25             |
| CF-35             | SLU-35  | DE704 | SLU-35     | KLU35  | D-704   | -        | BTC-0614 | CF-35             |
| CF-90             | SLU-70  | DE705 | SLU-70     | KLU70  | D-705   | CB-70 D  | BTC-0208 | CF-90             |
| CF-125            | SLU-125 | DE706 | SLU-125    | KLU125 | D-706   | CB-125 D | BTC-1102 | CF-125            |
| CF-175            | SLU-175 | DE713 | SLU-175    | KLU175 | D-713   | -        | BTC-3104 | CF-175            |
| CF-225            | SLU-225 | DE707 | SLU-225    | KLU225 | D-707   | -        | BTC-4102 | CF-225            |
| CF-300            | SLU-300 | DE710 | SLU-300    | KLU300 | D-710   | CB-300 D | BTC-3511 | CF-300            |
| CF-400            | SLU-400 | DE708 | SLU-400    | KLU400 | D-708   | CB-400 D | BTC-5011 | CF-400            |
| CF-650            | SLU-650 | DE709 | SLU-650    | KLU650 | D-709   | -        | BTC-9960 | CF-650            |



## GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | Ilsco   | NSI      | Penn Union | Burndy | Greaves  | Homac         | T&B       | Galvan /<br>Comec |
|-------------------|---------|----------|------------|--------|----------|---------------|-----------|-------------------|
| CLA1-25           | ACL-1   | AL1-14   | BLUA-1S1   | YA1CA1 | AL1-14   | -             | ATL-1-14  | CLA1-25           |
| CLA1-31           | ACN-1   | -        | BLUA-1S3   | -      | -        | -             | ATL1-516  | CLA1-31           |
| CLA1-38           | -       | -        | BLUA-1S    | YA1CA1 | -        | -             | ATL1-38   | CLA1-38           |
| CLA2-25           | ACL-2   | AL2-14   | BLUA-2S3   | YA2CA1 | AL2-14   | -             | ATL2-14   | CLA2-25           |
| CLA2-31           | ACN-2   | -        | BLUA-2S4   | YA2CA1 | -        | -             | ATL2-516  | CLA2-31           |
| CLA2-38           | -       | -        | BLUA-2S    | YA2CA3 | -        | -             | ATL2-38   | CLA2-38           |
| CLA4-25           | ACL-4   | AL4-14   | BLUA-4S3   | YA4CA1 | AL4-14   | AL4-14-TND    | ATL4-14   | CLA4-25           |
| CLA4-31           | ACN-4   | -        | BLUA-4S2   | YA4CA3 | -        | -             | ATL4-516  | CLA4-31           |
| CLA4-38           | -       | -        | -          | -      | -        | -             | ATL4-38   | CLA4-38           |
| CLA6-25           | ACL-6   | AL6-14   | BLUA-6S    | YA6CA1 | AL6-14   | AL6-14 TN D   | ATL6-14   | CLA6-25           |
| CLA6-31           | -       | -        | BLUA-6S2   | -      | -        | -             | -         | CLA6-31           |
| CLA6-38           | -       | -        | -          | -      | -        | -             | ATL6-38   | CLA6-38           |
| CLA8-25           | ACL-8   | -        | BLUA-8S    | YA8CA3 | AL8-14   | -             | ATL8-14   | CLA8-25           |
| CLA1/0-25         | -       | -        | -          | YA25A1 | -        | -             | -         | CLA1/0-25         |
| CLA1/0-31         | ACN-1/0 | -        | BLUA-1/0S3 | YA25A1 | AL1/0-38 | -             | ATL10-516 | CLA1/0-31         |
| CLA1/0-38         | ACL-1/0 | AL1/0-38 | BLUA-1/0S* | YA25A3 | -        | -             | ATL10-38  | CLA1/0-38         |
| CLA1/0-50         | -       | -        | -          | -      | -        | -             | ATL10-12  | CLA1/0-50         |
| CLA2/0-31         | -       | -        | -          | -      | -        | -             | -         | CLA2/0-31         |
| CLA2/0-38         | ACL-2/0 | AL2/0-38 | BLUA-2/0S6 | YA26A6 | AL2/0-38 | -             | ATL20-38  | CLA2/0-38         |
| CLA3/0-31         | -       | -        | -          | YA27A3 | -        | -             | -         | CLA3/0-31         |
| CLA3/0-38         | ACL-3/0 | AL3/0-38 | BLUA-3/0S2 | YA27A1 | AL3/0-38 | -             | ATL30-38  | CLA3/0-38         |
| CLA4/0-31         | -       | -        | -          | YA28A1 | -        | -             | -         | CLA4/0-31         |
| CLA4/0-38         | ACL-4/0 | AL4/0-38 | BLUA-4/0S2 | YA28A1 | AL4/0-38 | -             | ATL40-38  | CLA4/0-38         |
| CLA4/0-50         | ACN-4/0 | AL4/0-48 | BLUA-4/0S  | YA28A3 | AL4/0-48 | -             | ATL40-12  | CLA4/0-50         |
| CLA250-50         | ACL-250 | AL250-48 | BLUA-025S  | YA29A1 | AL250-48 | -             | ATL250-12 | CLA250-50         |
| CLA300-38         | -       | -        | -          | -      | -        | -             | ATL300-38 | CLA300-38         |
| CLA300-50         | ACL-300 | AL300-48 | BLUA-030S1 | YA30A1 | AL300-48 | -             | ATL300-12 | CLA300-50         |
| CLA350-50         | ACL-350 | AL350-48 | BLUA-035S1 | YA31A1 | AL350-48 | -             | ATL350-12 | CLA350-50         |
| CLA400-50         | -       | AL400-48 | BLUA-040S1 | YA32A1 | AL400-48 | AL-400-48-TND | ATL400-58 | CLA400-50         |
| CLA500-50         | ACL-500 | AL500-48 | BLUA-050S2 | YA34A1 | AL500-48 | AL-500-48-TND | ATL500-12 | CLA500-50         |
| CLA600-62         | ACL-600 | AL600-58 | BLUA-060S1 | YA36A1 | AL600-58 | AL-600-58-TND | ATL600-58 | CLA600-62         |
| CLA750-62         | ACL-750 | AL750-58 | BLUA-075S1 | YA39A3 | AL750-58 | AL-750-58-TND | ATL750-58 | CLA750-62         |

# GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | Ilsco    | NSI    | Penn Union | Burndy | Greaves | Homac   | T&B    | Galvan /<br>Comec |
|-------------------|----------|--------|------------|--------|---------|---------|--------|-------------------|
| CSL-1             | CTL-1    | -      | BBCU-1     | YS1C   | C-1     | -       | CU1    | CSL-1             |
| CSL-2             | CTL-2    | C-2    | BBCU-2     | YS2C   | C-2     | C-2 D   | CU2    | CSL-2             |
| CSL-4             | CTL-4    | C-4    | BBCU-4     | YS4C   | C-4     | C-4     | CU4    | CSL-4             |
| CSL-6             | CTL-6    | C-6    | BBCU-6     | YS6C   | C-6     | C-6     | CU6    | CSL-6             |
| CSL-8             | CTL-8    | -      | -          | YS8C   | -       | -       | CU8    | CSL-8             |
| CSL-1/0           | CTL-1/0  | C-1/0  | BBCU-1/0   | YS25   | C-1/0   | C-1/0   | CU10   | CSL-1/0           |
| CSL-2/0           | CTL-2/0  | C-2/0  | BBCU-2/0   | YS26   | C-2/0   | C-2/0   | CU20   | CSL-2/0           |
| CSL-3/0           | CTL-3/0  | C-3/0  | BBCU-3/0   | YS27   | C-3/0   | C-3/0 D | CU30   | CSL-3/0           |
| CSL-4/0           | CTL-4/0  | C-4/0  | BBCU-4/0   | YS28   | C-4/0   | C 4/0 D | CU40   | CSL-4/0           |
| CSL-250           | CTL-250  | C-250  | BBCU-025   | YS29   | C-250   | C-250   | CU250  | CSL-250           |
| CSL-300           | CTL-300  | C-300  | BBCU-030   | YS30   | C-300   | C-300   | CU300  | CSL-300           |
| CSL-350           | CTL-350  | C-350  | BBCU-035   | YS31   | C-350   | C-350   | CU350  | CSL-350           |
| CSL-400           | CTL-400  | C-400  | BBCU-040   | YS32   | C-400   | C-400   | CU400  | CSL-400           |
| CSL-500           | CTL-500  | C-500  | BBCU-050   | YS34   | C-500   | C-500   | CU500  | CSL-500           |
| CSL-600           | CTL-600  | C-600  | BBCU-060   | YS36   | C-600   | C-600   | CU600  | CSL-600           |
| CSL-750           | CTL-750  | C-750  | BBCU-075   | YS39   | C-750   | C-750   | CU750  | CSL-750           |
| CSL-1000          | CTL-1000 | C-1000 | BBCU-100   | YS44   | C-1000  | C-1000  | CU1000 | CSL-1000          |



| Galvan /<br>Comec | Ilsco   | NSI | Penn Union | Burndy | Greaves | Homac    | T&B      | Galvan /<br>Comec |
|-------------------|---------|-----|------------|--------|---------|----------|----------|-------------------|
| CFS-35            | SLS-35  | -   | -          | -      | -       | -        | STC-0614 | CFS-35            |
| CFS-70            | SAS-70  | -   | -          | KPA-4C | -       | CS-70 D  | STC-0414 | CFS-70            |
| CFS-125           | SLS-125 | -   | -          | KPA-25 | -       | CS-125 D | STC-1102 | CFS-125           |
| CFS-225           | SLS-225 | -   | -          | KPA-28 | -       | CS-225 D | STC-4102 | CFS-225           |
| CFS-400           | SLS-400 | -   | -          | KPA-34 | -       | CS-400 D | STC-5011 | CFS-400           |



## GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | IlSCO   | NSI     | Penn Union | Burndy | Greaves | Homac    | T&B     | Galvan /<br>Comec |
|-------------------|---------|---------|------------|--------|---------|----------|---------|-------------------|
| CSS-1             | CT-1    | SC-1    | BCU-1      | YS1C-L | SC-1    | SC-1     | CSP1    | CSS-1             |
| CSS-2             | CT-2    | SC-2    | BCU-2      | YS2C-L | SC-2    | SC-2     | CSP2    | CSS-2             |
| CSS-4             | CT-4    | SC-4    | BCU-4      | YS4C-L | SC-4    | SC-4     | CSP4    | CSS-4             |
| CSS-6             | CT-6    | SC-6    | BCU-6      | YS6C-L | SC-6    | SC-6     | CSP6    | CSS-6             |
| CSS-8             | CT-8    | SC-8    | BCU-8      | YS8C-L | SC-8    | SC-8     | CSP8    | CSS-8             |
| CSS-1/0           | CT-1/0  | SC-1/0  | BCU-1/0    | YS25-L | SC-1/0  | SC-1/0   | CSP10   | CSS-1/0           |
| CSS-2/0           | CT-2/0  | SC-2/0  | BCU-2/0    | YS26-L | SC-2/0  | SC-2/0   | CSP20   | CSS-2/0           |
| CSS-3/0           | CT-3/0  | SC-3/0  | BCU-3/0    | YS27-L | SC-3/0  | SC-3/0   | CSP30   | CSS-3/0           |
| CSS-4/0           | CT-4/0  | SC-4/0  | BCU-4/0    | YS38-L | SC-4/0  | SC-4/0   | CSP40   | CSS-4/0           |
| CSS-250           | CT-250  | SC-250  | BCU-025    | YS29-L | SC-250  | SC-250   | CSP250  | CSS-250           |
| CSS-300           | CT-300  | SC-300  | BCU-030    | YS30-L | SC-300  | SC-300   | CSP300  | CSS-300           |
| CSS-350           | CT-350  | SC-350  | BCU-035    | YS31-L | SC-350  | SC-350   | CSP350  | CSS-350           |
| CSS-400           | CT-400  | SC-400  | BCU-040    | YS32-L | SC-400  | SC-400   | CSP400  | CSS-400           |
| CSS-500           | CT-500  | SC-500  | BCU-050    | YS34-L | -       | SC-500 D | CSP500  | CSS-500           |
| CSS-600           | CT-600  | SC-600  | -          | YS36-L | SC-600  | SC-600   | CSP600  | CSS-600           |
| CSS-750           | CT-750  | SC-750  | BCU-075    | YS39-L | SC-750  | SC-750   | CSP750  | CSS-750           |
| CSS-1000          | CT-1000 | SC-1000 | BCU-100    | YS44-L | SC-1000 | SC-1000  | CSP1000 | CSS-1000          |



| Galvan /<br>Comec | IlSCO  | NSI | Penn Union | Burndy | Greaves | Homac     | T&B    | Galvan /<br>Comec |
|-------------------|--------|-----|------------|--------|---------|-----------|--------|-------------------|
| FLC-4             | CP-4   | -   | PLN-4      | KA-4C  | D-801   | MLD 4 D   | L70    | FLC-4             |
| FLC-8             | CP-8   | -   | PLN-8      | KA-8C  | D-800   | MLD 8 D   | L35    | FLC-8             |
| FLC-1/0           | CP-0   | -   | PNL-1/0    | -      | D-802   | MLD 1/0 D | L125BB | FLC-1/0           |
| FLC-250           | CP-250 | -   | PNL-250    | -      | D-804   | -         | L250   | FLC-250           |

# GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan /<br>Comec | IlSCO       | NSI | Penn Union  | Burndy       | Greaves | Homac | T&B     | Galvan /<br>Comec<br>Discontinued # |
|-------------------|-------------|-----|-------------|--------------|---------|-------|---------|-------------------------------------|
| IPC-1/0-2         | IPC-1/0-2   | -   | IPC-1/0-2   | BIPC 1/0-2   | -       | -     | IPC1102 | NHT1102                             |
| IPC-350-350       | IPC-350-350 | -   | IPC-350-350 | BIPC 350-350 | -       | -     | IPC3535 | NHT3535                             |
| IPC-4/0-2/0       | IPC-4/0-2/0 | -   | IPC-4/0-1/0 | BIPC 4/0-1/0 | -       | -     | IPC4111 | NHT4111                             |
| IPC-500-4/0       | IPC-500-4/0 | -   | IPC-500-4/0 | BIPC 500-4/0 | -       | -     | IPC5041 | NHT5041                             |



| Galvan /<br>Comec | IlSCO       | NSI | Penn Union | Burndy | Greaves | Homac | T&B      | Galvan /<br>Comec |
|-------------------|-------------|-----|------------|--------|---------|-------|----------|-------------------|
| TC-1/0            | GTC-0       | -   | GTC-1/0    | -      | -       | -     | TC-10    | TC-1/0            |
| TC-2              | GTC-2       | -   | GTC-2      | -      | -       | -     | TC-2     | TC-2              |
| TC-250            | GTC-250-350 | -   | GTC-250    | -      | -       | -     | TC-250   | TC-250            |
| TC-350            | GTC-250-350 | -   | GTC-350    | -      | -       | -     | TC-350BB | TC-350            |
| TC-500            | GTC-500     | -   | GTC-500    | -      | -       | -     | TC-500   | TC-500            |
| TC-750            | GTC-750-500 | -   | GTC-750    | -      | -       | -     | TC-750   | TC-750            |



## GALVAN CATALOG CROSS REFERENCE SECTION



### Copper

**Note:** RUS now accepts 10 and 13 mils of copper coating. Please refer to page 5.

| Galvan   | ERICO  | Hubbell | Joslyn | So. GRD |
|----------|--------|---------|--------|---------|
| 5005     | 611255 | -       | -      | -       |
| 5006     | 611265 | -       | J8326  | C126    |
| 5008L    | 611380 | C611380 | J8328  | C128    |
| 5010L    | 611300 | C611300 | J8330  | C1210   |
| 6255     | N/A    | C615855 | J8335  | -       |
| 6255-10M | 615850 |         | -      | C585    |
| 6256     | N/A    |         | J8336  | -       |
| 6256-10M | 615860 |         | -      | C586    |
| 6258-MM  | 615885 | C615885 | -      | -       |
| 6258     | 615880 | C615880 | J8338  | C588    |
| 6258G13  | 615883 | C615883 | -      | C58813  |
| 6260     | 615800 | C615800 | J8340  | C5810   |
| 6262     | 615812 | -       | -      | -       |
| 7508     | 613480 | C613480 | J8348  | C348    |
| 7510     | 613400 | C613400 | J8350  | C3410   |
| 1010     | 614400 | -       | J8370  | C110    |



### Sectional

**Note:** RUS now accepts 10 and 13 mils of copper coating. Please refer to page 5.

| Galvan   | ERICO  | Hubbell | Joslyn   | So. GRD |
|----------|--------|---------|----------|---------|
| 5008LS   | 631380 | C631380 | -        | -       |
| 5010LS   | 631300 | C631300 | -        | -       |
| 6258S    | 635880 | C635880 | J9158    | CS588   |
| 6258G13S | 635883 | C635883 | J9158-13 | -       |
| 6260S    | 635800 | C635800 | J9160    | CS5810  |
| 7508S    | 633480 | C633480 | J9168    | CS348   |
| 7510S    | 633400 | C633400 | J9170    | CS3410  |
| 1010S    | 634400 | -       | J9190    | -       |



### Galvanized

| Galvan        | ERICO  | Hubbell | Joslyn | So. GRD |
|---------------|--------|---------|--------|---------|
| GR5005        | -      | 8565    | J5315  | Z125    |
| GR5006        | -      | 8566    | J5316  | Z126    |
| GR5008        | -      | 8568    | J5318  | Z128    |
| GR6255F       | 811350 | -       | -      | Z585    |
| GR6256F       | 815860 | 8576    | J5326  | Z586    |
| GR6258 (UL)   | -      | -       | -      | -       |
| GR6258F (UL)  | 815880 | 8578    | J5328  | ZZ588   |
| GR6258FP (UL) | 815889 | -       | -      | -       |
| GR6250F (UL)  | 815800 | 8580    | -      | Z5810   |
| GR7508F (UL)  | 813480 | 8618    | J5338  | Z348    |
| GR7510F (UL)  | 813400 | 8620    | J5340  | Z3410   |
| GR1010F (UL)  | 814400 | -       | -      | Z110    |

**Note:** Most competitor's galvanized rods are not listed. Verify before purchasing to see if the rods are listed. Refer to page 6.



## Stainless Steel

Most competitors stainless steel ground rods are not listed. Check before purchasing to verify the ground rods are listed.

| Galvan  | ERICO   | Joslyn | So. GRD |
|---------|---------|--------|---------|
| S6255S  | -       | -      | -       |
| S6256   | -       | -      | -       |
| S6258F  | 685880  | -      | SS588   |
| S6260F  | 685800  | -      | SS5810  |
| S6260SF | 685880S | -      | -       |
| S6212   | -       | -      | -       |
| S7510F  | 683400  | -      | SS3410  |
| S7510SF | 683400S | -      | -       |
| S1010F  | -       | -      | -       |
| S1010SF | -       | -      | -       |

| Galvan  | ERICO | Joslyn | So. GRD |
|---------|-------|--------|---------|
| GRC-58G | GCC58 | J26512 | 58CCZ   |
| GRC-34G | -     | -      | -       |

| Galvan   | ERICO | Joslyn | So. GRD |
|----------|-------|--------|---------|
| GRC-58SS | -     | -      | -       |
| GRC-34SS | -     | -      | -       |

| Galvan    | ERICO | Joslyn | So. GRD |
|-----------|-------|--------|---------|
| GRC-58SST | GSC58 | -      | -       |
| GRC-34SST | -     | -      | -       |

| Galvan | ERICO | T&B  | Hubbell/<br>Chance | Joslyn | So. GRD |
|--------|-------|------|--------------------|--------|---------|
| 50-LC  | CR12S | 50LC | CTC12              | J-9180 | 12C     |
| 60-C   | CR58  | 60C  | CTC58              | J9182  | 58C     |
| 70-C   | CR34  | 70C  | CTC34              | J9183  | 34C     |
| 80-C   | CR100 | 80C  | -                  | -      | -       |

| Galvan | ERICO | T&B    | Hubbell/<br>Chance | Joslyn | So. GRD |
|--------|-------|--------|--------------------|--------|---------|
| 50-TC  | CC12F | -      | CCC12              | -      | 12DC    |
| 60-TC  | CC58  | 60CNT2 | CCC58              | -      | 58DC    |
| 70-TC  | CC34  | 70CNT  | CCC34              | -      | 34DC    |



## GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan | ERICO | T&B   | Penn Union | Hubbell/Chance | Joslyn |
|--------|-------|-------|------------|----------------|--------|
| 50-LDS | DS12S | 50LDS | P50DS      | CTDH 12        | J-9185 |
| 60-DS  | DS58  | 60DS  | P60DS      | CTDH 58        | J-9186 |
| 70-DS  | DS34  | 70DS  | P70DS      | CTDH 34        | J-9187 |
| 80-DS  | DS1   | 80DS  | P80DS      | -              | -      |



| Galvan        | ERICO  | T&B    | Penn Union | Hubbell/Chance | Burndy |
|---------------|--------|--------|------------|----------------|--------|
| G-3           | CP38   | G3     | -          | -              | -      |
| G-4 (use G-5) | CP12   | G4     | CEB-1      | GC-4           | GRC12  |
| G-5* (RUS)    | CP58   | G5     | CEB-2      | GC-5           | GRC58  |
| G5P (plated)  | S68    | -      | -          | -              | -      |
| G-6 (use SRC) | CP34   | G6     | CEB-3      | GC-6           | GRC34  |
| JAB12H        | HDC12  | JAB12H | CAB-1      | -              | GRD12  |
| JAB58H        | HDC58R | JAB58H | CAB-2      | -              | GRD58  |
| JAB58HH       | HDC58  | -      | -          | -              | -      |
| JAB34H        | HDC34  | JAB34H | CAB-3      | -              | GRD34  |
| JAB1H         | HDC1   | JAB1H  | -          | -              | -      |
| SRC           | CP34   | -      | -          | -              | -      |
| SRC-SS        | SP-58  | -      | -          | -              | -      |

**Note:** Galvan's G-5 is UL Listed for 1/2" and 5/8" copper and galvanized ground rods, and listed for #4 rebar.



| Galvan | ERICO  | T&B   | Penn Union |
|--------|--------|-------|------------|
| GC     | CWP1J  | J     | 8100       |
| GCJ    | CWP1JJ | JJR   | -          |
| DCG    | ZWP1J  | BJ1   | -          |
| JD     | CWP1JU | JD    | -          |
| JD2    | CWP2JU | J2D   | -          |
| GC2    | CWP2J  | J2BB  | 8101       |
| G2124  | CWP4J  | J2124 | 8102       |
| G4146  | CWP6J  | J6    | -          |

| Galvan | ERICO | T&B | Penn Union |
|--------|-------|-----|------------|
| K1     | -     | K1  | 8201       |
| K2     | -     | K2  | 8200       |
| K3     | -     | K3  | -          |
| KUL    | -     | KUL | -          |



# GALVAN CATALOG CROSS REFERENCE SECTION



| Galvan | ERICO | T&B | Joslyn |
|--------|-------|-----|--------|
| CC167P | -     | -   | CC167P |



| Galvan   | Fargo/<br>Hubbell | Joslyn/<br>MacLean | Erico  | T&B     |
|----------|-------------------|--------------------|--------|---------|
| VC-6SH   | —                 | BV6                | —      | —       |
| VC-6SH-P | GC-5006SH         | —                  | —      | VGC68SH |
| VC-4     | GC-5004           | BVC-4              | —      | VGC44   |
| VC-2     | GC-5002           | BVC-2              | VC-62  | VGC23   |
| VC-2S    | GC-5002S          | BVC-2S             | —      | VGC12   |
| VC-20    | GC-5020           | BVC-20             | —      | VGC2020 |
| VC-20S   | GC-5020S          | BVC-20S            | VC-20S | VGC3020 |
| VC-40    | GC-5040           | BVC-40             | —      | VGC4040 |



| Galvan | Blackburn<br>/T&B | Penn<br>Union | Burndy  | Anderson  | Dossert   |
|--------|-------------------|---------------|---------|-----------|-----------|
| TTC-2  | TTC2              | GSE-020       | EQC632C | GTCL-34A  |           |
| TTC-3  | TTC3              | GSE-C1        |         | GTCL-23A  | TGC8-50   |
| TTC-4  | TTC4              |               |         |           |           |
| TTC-2P | TTC2P             |               |         |           |           |
| TTC-3P | TTC3P             | GSE-C1TN      |         | GTC23A-TP | TGC8-50SN |
| TTC-4P | TTC4P             |               |         |           |           |



| Galvan  | Blackburn<br>/T&B | Anderson         |
|---------|-------------------|------------------|
| PAC 345 | PAC 345           | LC511, LC522     |
| PAC7    | PAC7              | LC811            |
| PAC3459 | PAC3459           | LC511XB, LC522XB |
| PAC7    | PAC7              | LC811XB          |



## TERMS AND CONDITIONS

**1. Definitions.** "Seller" means GALVAN INDUSTRIES, INC.; "Buyer" means the company, person or other entity who is the purchaser of the Goods; "Goods" means any goods or materials ordered and sold pursuant to the terms and conditions set forth herein.

**2. Price.** Unless otherwise stated, price of the Goods shall be the price in effect at the date and time of shipment. Seller reserves the right to adjust price based on volume purchases; any discounts allowed for volume purchases will be in the Seller's sole discretion. Price does not include any sales, use, excise or similar taxes which shall be added to the price of the Goods and shall be the responsibility of Buyer. Unless otherwise stated, minimum order is \$125.00 (excluding freight) on any single order. Each shipment will be separately invoiced.

**3. Payments Terms.** Terms of payment are net thirty (30) days. Interest on late payments shall be applicable at the rate of one and one-half percent (1.5%) per month or an annual percentage rate of eighteen (18%) per annum. In addition, Buyer shall be obligated for Seller's reasonable attorneys' fees that may be incurred by Seller to collect any sums due Seller hereunder. Seller reserves the right to apply any payments received from Buyer to any outstanding invoice of Seller in Seller's sole discretion.

**4. Freight.** The purchase price of the Goods shall be F.O.B. shipping point with respect to orders of \$2000 or more to a single destination. If Buyer specifies a more costly routing and/or handling than would be normally applicable, or if priority shipping is requested, total shipping charges are chargeable to Buyer regardless of freight allowance terms. In situations of "prepay and add" Galvan is unable to provide a copy of the actual freight bill due to agreements with our carriers regarding rate disclosure confidentiality.

**5. Delivery.**

(a) Seller's place and point of delivery shall be deemed to be delivery to a carrier at Seller's plant in Harrisburg, N.C., or such other designated shipping point designated by Seller. If Buyer fails to furnish complete shipping directions to Seller within a reasonable time of placing the order, Seller, in Seller's discretion, may make necessary shipping arrangements with a carrier selected by Seller, the cost of which shall be paid by Buyer.

(b) If and to the extent a delivery date is stated, it is the estimated delivery date only. All accepted orders, whether or not delivery dates are specified thereon, shall be subject to delays or failures in manufacture or delivery due to causes beyond the control of Seller or carrier. Buyer's obligations shall continue notwithstanding any delay in delivery, provided if performance by Seller is prevented in whole or in part for a period of three (3) consecutive months, then in such event Seller or Buyer (provided Buyer is not responsible for the delay) may cancel any order that has not been shipped as of such date.

(c) If Buyer is unable for any reason to accept delivery of the Goods according to the mutually established schedule, Seller at its option and after three (3) days written notice to Buyer may place the Goods in storage, in which event Buyer shall pay any and all storage or other related costs. If Buyer fails to accept any delivery or part thereof, then Seller may at its option treat such failure as a breach of this Agreement and exercise any and all remedies available to it pursuant to the terms and conditions set forth herein or available to it as a matter of law.

**6. Credit.** Seller's obligations are at all times subject to Seller's approval of Buyer's credit standing. Upon request, Buyer shall furnish Seller such credit information as may be customary and as may be reasonably requested by Seller. Seller, at its discretion, reserves the right to require payment in advance or C.O.D. and/or otherwise modify credit terms. If at any time Buyer is past due with respect to amounts due Seller, Seller at its option (without liability or prejudice to any other remedies), may decline to ship, or stop any Goods in transit, until such time Seller receives payment in full of all amounts owing to it by Buyer or otherwise receives assurances satisfactory to Seller of such payment.

**7. Risk of Loss.** Risk of loss or damage to the Goods shall be solely that of Buyer upon delivery to a carrier for shipment; any loss or damage subsequent to such delivery shall not be the responsibility of Seller, provided further any such loss shall not release Buyer from Buyer's obligation to pay for the Goods. Any claim for damage or loss in transit must be asserted by Buyer against the carrier.

**8. Warranty.** Seller warrants that the Goods will conform to the description stated herein subject to tolerances and variations consistent with current trade practices, testing and inspections methods. Seller makes no other warranties hereunder, expressed or implied. Seller specifically disclaims any implied warranties of merchantability or fitness for a particular purpose.

**9. Claims**

(a) Buyer shall inspect the Goods immediately upon receipt. Any claim that the Goods have been damaged or otherwise do not conform must be made to Seller in writing within ten (10) days of receipt of such Goods by Buyer. All claims for defective or non-conforming Goods must be submitted in writing to Galvan Industries, Inc., accompanied with a copy of the signed bill-of-lading noting the damage/shortages, and any other information (photos, etc.) supporting your claim. PO Box 369, Harrisburg, NC 28075. In the absence of such notice, the Goods shall be deemed to be accepted by Buyer.

(b) With respect to any valid claims properly submitted hereunder, Buyer's exclusive remedy and Seller's sole liability shall be limited to Seller repairing or replacing Goods that do not conform to specifications, or at Seller's sole option refunding the purchase price of the Goods. In no event shall Seller have any liability to damages in connection with the sale of the Goods in an amount exceeding the purchase price of the Goods sold. Seller shall have no liability for any consequential, special or indirect damages.

(c) Claims for quantity deviations or unit pricing errors are deemed waived unless submitted in writing within thirty (30) days of notice of invoice.

**10. Quotations.** Quotations, based on plans and specifications, are Seller's interpretation of the requirements and include only the material described and listed on the quotation unless otherwise stated. Quotations will be in writing and unless otherwise specified will remain in effect for a period of thirty (30) days from issue date. Formal written purchase orders for work covered by any quotation submitted must be received within forty-five (45) days from the date of quotation. Prices and inventory classifications are subject to changes without notice, and are those in effect at the time of shipment.

**11. Errors.** Galvan reserves the right to correct at any and all times any errors and omissions relating to any component or item upon which a purchase order may be based, including, but not limited to, clerical or stenographic errors or omissions as may relate to quotations, price, catalog and other materials supplied by Galvan, or other terms and conditions as reasonably determined by Seller.

**12. Returns.** Goods may be returned for credit upon request and upon Seller's approval for return authorization. Any returned items are subject to reasonable restocking charges which shall be deemed to be twenty-five percent (25%) of the price of the Goods returned. Any returned items must be in saleable condition, in the original standard packages, and conform to current catalog descriptions. All returned material is to be shipped to seller freight prepaid.

Unless otherwise stated, these terms and conditions govern the purchase and sale of the Goods. All terms and conditions, including price, are subject to change without notice as to any Goods not shipped as of the effective date of such change.

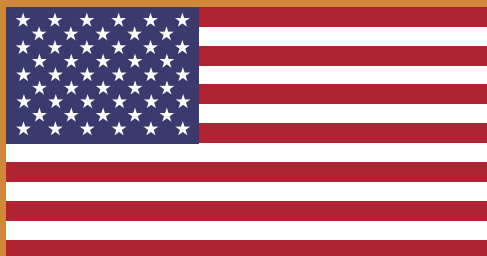
**13. Cancellation.** Orders received and accepted by Seller may not be cancelled or changed subsequent to delivery, prior to that date such orders received and accepted by Seller with the written permission of Seller. Any cancellation or change shall be subject to applicable charges for labor, material, and other costs actually incurred by Seller.

**14. Seller's Remedies.** If Buyer cancels this Agreement prior to shipment for any reason, without Seller's consent, Buyer shall pay Seller for all costs and expenses incurred by Seller, including the cost of all work executed or performed; any special engineering costs and commitments made by Seller prior to the time of cancellation; and all other incidental and storage costs incurred prior to resale.

**15. Binding Nature.** These terms and conditions shall be binding upon the parties hereto, their successors and assigns.

**16. Authority.** Any person, employee or agent otherwise acting on behalf of Buyer hereunder shall be deemed to have full authority to act on behalf of Buyer which Seller may rely on exclusively without further inquiry.

**17. Governing Law.** This Agreement shall be construed in accordance with and governed by laws of the state of North Carolina.



**Galvan Industries, Inc. is  
a veteran-owned company.**



**Galvan Industries, Inc.  
Since 1958**

**Electrical Products Division  
[www.galvanelectrical.com](http://www.galvanelectrical.com)**

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