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Lightning Protection Information

Basic rules for selection are:

1. Must be like material to the conductor.
2. Two bolts to ground rod—minimum, for mechanical.
3. Cable to cable connections can be installed with one bolt, two bolt, or compression means.
4. Cable to steel structure must have 8 in.² contact with steel.
5. Heavy duty stacks—mechanical only.
6. On all connectors with heavy duty stack rating, we must offer 1/16" thick lead plating as an option. The reason is closest 25 ft. to stack opening must use lead coated product.
7. UL 96 Listing.

The HYGROUND® Irreversible Compression System

BURNDY® has developed an irreversible compression ground system which meets the most stringent safety and performance requirements, including those of OSHA and nuclear power plant design. Performance excellence and long life expectancy are the system's basic design guidelines. It is a complete system which consists of connectors for grid cross connections, taps, splices, cable to ground rod, ground plates and terminations.

Our irreversible compression ground connectors employ well-proven design principles and technology that have been in existence for over 60 years.

Connectors are just one component of our Irreversible Compression Ground System. Installation tooling is also an integral part of this system. BURNDY® pioneered the compression connector principle and continues today to be the leader in compression technology. Our tooling package is the most extensive in the industry and affords the user many options.

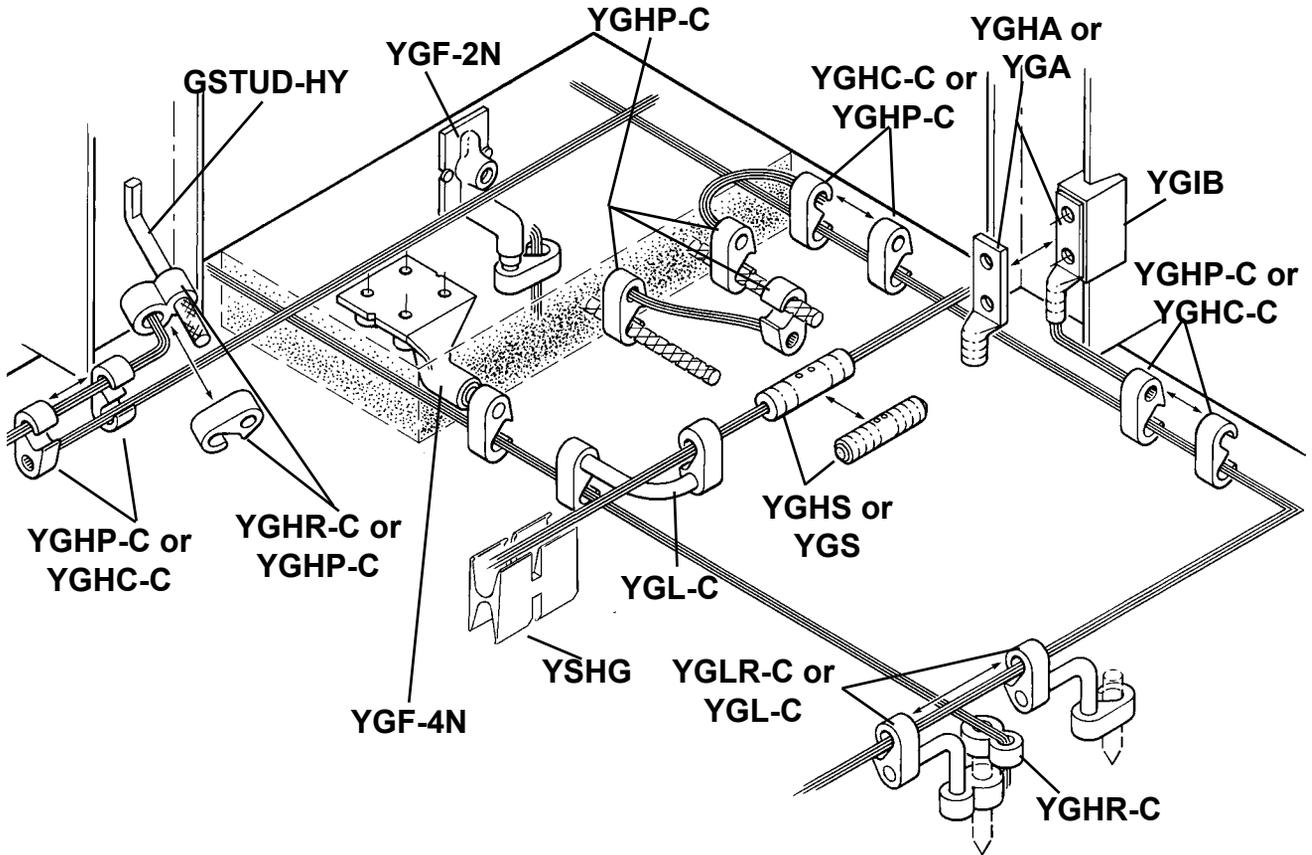
(LEGEND)

| | | | | |
|---|---|---|--|---|
|  |  |  |  |  |
| YGHA | YGA | YGHS | YGS | YG-B |
|  |  |  |  |  |
| YGHP-C | YGHC-C | YGIB | YGL-C | YGLR-C |
|  |  |  |  |  |
| YGF-4N | YGF-2N | YSHG | YGHR-C | GSTUD-HY |

The HYGROUND® Irreversible Compression System

Example:

Compression Connector Grid



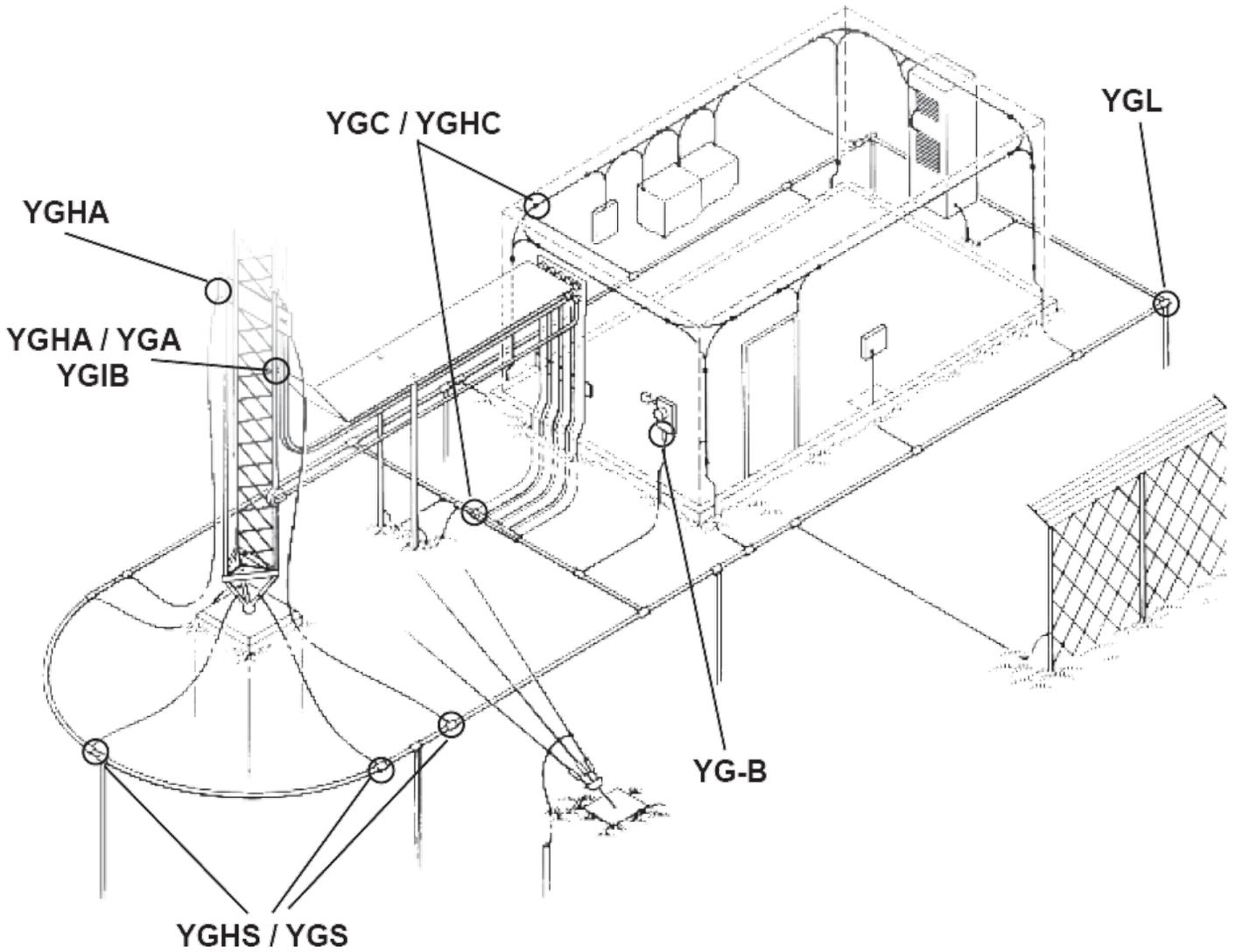
See Legend on Page E-2

| Ground Rod and Rebar Diameter Chart | | | | |
|-------------------------------------|------------|----------|-------------------------|----------|
| Size | Ground Rod | | Reinforcing Bar (Rebar) | |
| | Material* | Diameter | Size | Diameter |
| 1/2" | Steel | 0.500 | #3 (3/8") | 0.375 |
| | Copperclad | 0.475 | #4 (1/2") | 0.500 |
| 5/8" | Steel | 0.625 | #5 (5/8") | 0.625 |
| | Copperclad | 0.563 | #6 (3/4") | 0.750 |
| 3/4" | Steel | 0.750 | #7 (7/8") | 0.875 |
| | Copperclad | 0.682 | #8 (1") | 1.000 |
| 1" | Steel | 1.000 | #9 (1-1/8") | 1.128 |
| | Copperclad | 0.914 | — | — |

The HYGROUND® Irreversible Compression System

Example:

Wireless Communications Ground Ring Compression Connector System



See Legend on Page E-2

The HYGROUND® Irreversible Compression System (Continued)

Features & Benefits

- Irreversible compression system; meets NEC code, section 250
- Pure wrought copper extrusions, rod, and seamless tubing (identical material to the conductor), completely eliminates the possibility of galvanic corrosion due to dissimilar metals
- Heavy duty connector designs; all connectors will carry the equivalent or greater current carrying capacity of the conductor while maintaining high mechanical strength and electrical integrity
- Range take designs for a minimum number of connector combinations required to install a conductor range of #6 solid to 500 kcmil plus 1/2", 5/8", 3/4", and 1" ground rods, and rebar; inventories are kept to a minimum and product selection is simplified
- System engineered tooling; each tooling recommendation ensures reliability of the connection
- Irreversible compression connectors can be installed in all kinds of weather, eliminating costly delays and enables the installer to better schedule the job
- May be installed without special training or special tools, the 750 Series of tools crimps the entire range providing a low installed cost with simplified installation
- Each connection can be made in less than 3 minutes
- Each connector is clearly marked with catalog number, conductor size, and installation die information for easy and accurate identification
- Inspection ports are provided to assure proper insertion of the conductor for built-in quality assurance
- The die index number is embossed on the connector after completion of the crimp facilitating speedy inspection of installed connectors to ensure consistently reliable and sound connections
- Most HYGROUND® irreversible compression elements are prefilled with PENETROX™ oxide inhibitor and individually sealed to keep all contact surfaces in the proper condition for installation as well as ensuring the electrical integrity of the finished connection by inhibiting moisture and contaminants from entering the contact area
- All HYGROUND® irreversible compression connectors are Listed in conformance with Underwriters Laboratories Standard UL467 and conform to applicable sections of the National Electrical Code; HYGROUND® connectors may be used in direct burial or concrete embedded grounding applications
- All HYGROUND® irreversible connectors (with the exception of Types YGA and YGS) have been tested successfully according to requirements of Standard IEEE 837 meeting tough industry performance requirements
- UPRECRIMP dies give added mechanical strength; UPRECRIMP34 is recommended for 3/4" rod; UPRECRIMP12 for 1/2" rod; and UPRECRIMP58 for 5/8" rod (now includes undersized U.S. marketplace rods)
- HYGROUND® connectors allow connection to most sizes of structural steel with no drilling, tapping, or welding — safely installed at low cost and hot work permits are not required to install in hazardous areas

Please contact Customer Service for applications requiring IEEE-837 2014.

HYGROUND® Product Offering Table by Application

| Product Family | Connector Type | Wire to Wire | Wire to Ground Rod | Wire to Rebar | Wire to Busbar | Wire Termination | Wire to Structural Steel |
|----------------|------------------------|--------------|--------------------|---------------|----------------|------------------|--------------------------|
| YGL | Cross Grid | ● | ● | | | | |
| YGLR | Ground Rod to Grid | | ● | | | | |
| YGHP | Figure 6 | ● | ● | ● | | | |
| YGHC | Figure C | ● | ● | | | | |
| YGHHC | Double C-Tap | ● | ● | | | | |
| YGC | CRIMPIT™ | ● | | | | | |
| YSHG | H-Tap | ● | | ● | | | |
| YGHR | Figure 8 | | | ● | | | |
| YGA | Lug (standard duty) | | | | ● | ● | |
| YGHA | Lug (heavy duty) | | | | ● | ● | |
| YGS | Splice (standard duty) | ● | | | | | |
| YGHS | Splice (heavy duty) | ● | | | | | |
| YGIB | I-Beam Connector | | | | | | ● |
| YG-B | Busbar Connector | | | | ● | | |

Compression Grounding

HYGROUND® Compression System
HYGRID™ Type YGL-C Cross Connector

HYGRID™ Type YGL-C Cross Connector

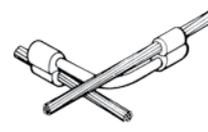
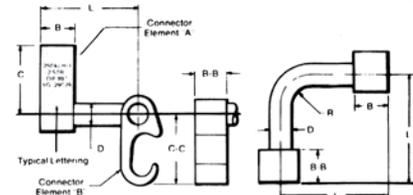
An irreversible compression ground grid cross connector which allows adjustment of the compression elements prior to installation. Only six connectors and four dies are required to install all combinations from #6 solid through 500 kcmil. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



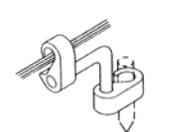
467 96



IEEE-837*



Ground Grid Cross Connection



Cable to Ground Rod

✓ UL96 Listed for Lightning Protection.

| Catalog Number | B | BB | C | C-C | D | L | R |
|----------------|------|------|------|------|------|------|------|
| YGL2C2 | 0.75 | 0.75 | 1.09 | 1.09 | 0.31 | 2.50 | 0.31 |
| YGL29C2 | | | 1.66 | 1.09 | 0.31 | | 0.31 |
| YGL29C29 | | | 1.66 | 1.66 | 0.50 | | 0.50 |
| YGL34C2 | | | 2.09 | 1.09 | 0.31 | | 0.31 |
| YGL34C29 | | | 2.09 | 1.66 | 0.50 | | 0.50 |
| YGL34C34 | | | 1.10 | 1.10 | 2.28 | | 2.28 |

| Catalog Number | Cable to Cable | | Cable to Ground Rod ③ | | To Rebar |
|----------------|---|---|-----------------------|---------------------------------------|-----------------------------|
| | Element "A" | Element "B" | Element "A" | Element "B" | Element "A" |
| YGL2C2 | #6 Sol. (0.162) - #2 Str. (0.292) {59500} - {59500} | #6 Sol. (0.162) - #2 Str. (0.292) {59500} - {59500} | — | — | — |
| YGL29C2 | #1 Str. (0.332) - 250 kcmil (0.575) {98500} - {131500} | #6 Sol. (0.162) - #2 Str. (0.292) {59500} - {59500} | 1/2" - 5/8" Rod | #6 Sol. (0.162) - #2 Str. (0.292) | 3/8" - 1/2" |
| YGL29C29 | #2 Str. (0.292) - 250 kcmil (0.575) {65500} - {131500} | #2 Str. (0.292) - 250 kcmil (0.575) {65500} - {131500} | 1/2" - 5/8" Rod | #2 Str. (0.292) - 250 kcmil (0.575) | #3 - 4 Rebar |
| YGL34C2 | 250 kcmil (0.575) - 500 kcmil (0.813) | #6 Sol. (0.162) - #2 Str. (0.292) | 5/8" - 3/4" Rod | #6 Sol. (0.162) - #2 Str. (0.292) | 5/8" - 3/4" #5 - 6 Rebar |
| YGL34C29 | | #2 Str. (0.292) - 250 kcmil (0.575) | | #2 Str. (0.292) - 250 kcmil (0.575) | |
| YGL34C34 | | 250 kcmil (0.575) - 500 kcmil (0.813) | | 250 kcmil (0.575) - 500 kcmil (0.813) | |

Dimensions in brackets { } represent lightning protection conductors.

| Catalog Number | Installation Tools, Die Set Catalog Number (Number of Crimps) | | | | | |
|----------------|---|-------------|-------------------|-------------|-------------------|-------------|
| | 750, 35 Series | | 45 Series ① | | 46 Series ② | |
| | Element "A" | Element "B" | Element "A" | Element "B" | Element "A" | Element "B" |
| YGL2C2 | UO (1) | UO (1) | UO (1) | UO (1) | UO (1) | UO (1) |
| YGL29C2 | U997 (1) | UO (1) | U997 (1) | UO (1) | U997 (1) | UO (1) |
| YGL29C29 | U997 (1) | U997 (1) | U997 (1) | U997 (1) | U997 (1) | U997 (1) |
| YGL34C2 † | PU998 (1) | UO (1) | S998 or PU998 (1) | UO (1) | P998 or PU998 (1) | UO (1) |
| YGL34C29 † | PU998 (1) | U997 (1) | S998 or PU998 (1) | U997 (1) | P998 or PU998 (1) | U997 (1) |
| YGL34C34 † | U1011 (3) | U1011 (3) | S1011 (3) | S1011 (3) | P1011 (3) | P1011 (3) |

① 45 Series tools require PT6515 adapter to use "U" or "PU" die

② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

† These connectors can only be installed using the 750, 45, or 46 Series tools with the recommended dies.

*Please contact Customer Service for applications requiring IEEE-837 2014.

NOTES:

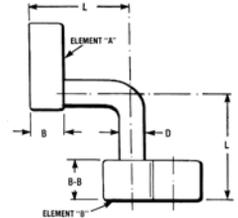
- Before crimping, both connector elements can be turned on rod diameter "D" to any desired position.
- Clean rust and/or protective coatings from rebar prior to installation.

③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

| Ground Rod ③ Dia. | PRECRIMP Dies | |
|-------------------|---------------|--------|
| 1/2" | UPRECRIMP12 | U2CABT |
| 5/8" | UPRECRIMP58 | |
| 3/4" | UPRECRIMP34 | |

GRIDLOK™ Type YGLR-C Ground Rod to Grid Connector

Ground grid connector for a wide range of copper cable to ground rod. Provides high torque strength on ground rod. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*



| Catalog Number | B | B-B | D | L | Commercial Copper Cable Range Element "A" | Metric Copper Cable Range Element "A" | CopperWeld Cable Range Element "A" | Ground Rod Dia Element "B" |
|----------------|------|-------------|------|------|--|--|--|----------------------------|
| YGLR29C12 | 0.75 | 0.88 [22.4] | 0.31 | 2.53 | #2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.) | 35mm ² (7.62mm Dia.) - 120 mm ² (14.40mm Dia.) | 91.65 kcmil (0.343 Dia.) - 248.8 kcmil (0.572 Dia.) | 1/2" [12.7] |
| YGLR34C12 | 0.75 | 0.88 [22.4] | 0.31 | 2.53 | 250 kcmil (0.575 Dia.) - 500 kcmil (0.813 Dia.) | 120 mm ² (14.40mm Dia.) - 240 mm ² (20.35mm Dia.) | 248.8 kcmil (0.572 Dia.) - 498.8 kcmil (0.810 Dia.) | |
| YGLR29C58 | 0.75 | 0.88 [22.4] | 0.31 | 2.53 | #2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.) | 35mm ² (7.62mm Dia.) - 120 mm ² (14.40mm Dia.) | 91.65 kcmil (0.343 Dia.) - 248.8 kcmil (0.572 Dia.) | 5/8" [15.9] |
| YGLR34C58 | 0.75 | 0.88 [22.4] | 0.31 | 2.53 | 250 kcmil (0.575 Dia.) - 500 kcmil (0.813 Dia.) | 120 mm ² (14.40mm Dia.) - 240 mm ² (20.35mm Dia.) | 248.8 kcmil (0.572 Dia.) - 498.8 kcmil (0.810 Dia.) | |
| YGLR29C34 | 0.75 | 0.88 [22.4] | 0.50 | 2.63 | #2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.) | 35mm ² (7.62mm Dia.) - 120 mm ² (14.40mm Dia.) | 91.65 kcmil (0.343 Dia.) - 248.8 kcmil (0.572 Dia.) | 3/4" [19.1] |
| YGLR34C34 | 0.75 | 0.88 [22.4] | 0.50 | 2.63 | 250 kcmil (0.575 Dia.) - 500 kcmil (0.813 Dia.) | 120 mm ² (14.40mm Dia.) - 240 mm ² (20.35mm Dia.) | 248.8 kcmil (0.572 Dia.) - 498.8 kcmil (0.810 Dia.) | |
| YGLR29C100 | 0.75 | 0.88 [22.4] | 0.50 | 2.63 | #2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.) | 35mm ² (7.62mm Dia.) - 120 mm ² (14.40mm Dia.) | 91.65 kcmil (0.343 Dia.) - 248.8 kcmil (0.572 Dia.) | 1" [25.4] |
| YGLR34C100 | 0.75 | 0.88 [22.4] | 0.50 | 2.63 | 250 kcmil (0.575 Dia.) - 500 kcmil (0.813 Dia.) | 120 mm ² (14.40mm Dia.) - 240 mm ² (20.35mm Dia.) | 248.8 kcmil (0.572 Dia.) - 498.8 kcmil (0.810 Dia.) | |

| Catalog Number | Installation Tools, Die Set Cat. No. (Number of Crimps) | | | | | | | |
|----------------|---|-------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | 35 Series | | 750 Series | | 45 Series ① | | 46 Series ② | |
| | Element "A" | Element "B" | Element "A" | Element "B" | Element "A" | Element "B" | Element "A" | Element "B" |
| YGLR29C12 | U997 (1) | PU998 (1) | U997 (1) | U1011 (2) or PU998 (1) | U997 (1) | S1012 (2) or PU998 (1) | U997 (1) | P1011 (2) or PU998 (1) |
| YGLR34C12 | — | — | U1011 or PU998 (1) | U1011 (2) or PU998 (1) | S998 or PU998 (1) | S1012 (2) or PU998 (1) | P998 or PU998 (1) | P1011 (2) or PU998 (1) |
| YGLR29C58 | U997 (1) | PU998 (1) | U997 (1) | U1011 (2) or PU998 (1) | U997 (1) | S1012 (2) or PU998 (1) | U997 (1) | P1011 (2) or PU998 (1) |
| YGLR34C58 | — | — | U1011 or PU998 (1) | U1011 (2) or PU998 (1) | S998 or PU998 (1) | S1012 (2) or PU998 (1) | P998 or PU998 (1) | P1011 (2) or PU998 (1) |
| YGLR29C34 | U997 (1) | PU998 (1) | U997 (1) | U1011 (2) or PU998 (1) | U997 (1) | S1012 (2) or PU998 (1) | U997 (1) | P1011 (2) or PU998 (1) |
| YGLR34C34 | — | — | U1011 (2) or PU998 (1) | U1011 (2) or PU998 (1) | U1011 (2) or PU998 (1) | S1012 (2) or PU998 (1) | U1011 (2) or PU998 (1) | P1011 (2) or PU998 (1) |
| YGLR29C100 | — | — | U997 (1) | U1011 (2) or PU998 (1) | U997 (1) | S1012 (2) or PU998 (1) | U997 (1) | P1011 (2) or PU998 (1) |
| YGLR34C100 | — | — | U1011 (2) or PU998 (1) | U1011 (2) or PU998 (1) | U1011 (2) or PU998 (1) | S1012 (2) or PU998 (1) | U1011 (2) or PU998 (1) | P1011 (2) or PU998 (1) |

NOTES:

- ① Where a "U" or "PU" die is recommended with 45 Series tool, a PT6515 adapter must be used.
- ② Where a "U" or "PU" die is recommended with the 46 Series tool, a PUADP1 adapter must be used.

- Before crimping, both connector elements can be turned on rod diameter "D" to any desired position.
- ③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

*Please contact Customer Service for applications requiring IEEE-837 2014.

| Ground Rod Dia. ③ | PRECRIMP Dies | |
|-------------------|---------------|--------|
| 1/2" | UPRECRIMP12 | |
| 5/8" | UPRECRIMP58 | U2CABT |
| 3/4" | UPRECRIMP34 | |

HYTAP™ Type YGHP-C Figure 6 Connector

Irreversible compression ground tap figure 6 can be used as a tap connector or as a tap splice connector. Four die sets and eight connectors can accommodate a conductor range from #8 solid through 500 kcmil plus 1/2", 5/8" and 3/4" copper bonded ground rods. UL467 Listed. Acceptable for direct burial in earth and concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*

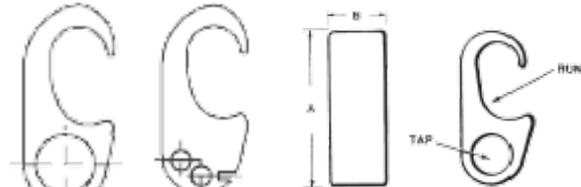


Fig. 1

Fig. 2

✓ UL96 Listed for Lightning Protection.

Dimensions in brackets { } represent lightning protection conductors.

| Catalog Number | Fig. # | Accommodates | | ⑦ Cable to Rebar | | B | Die Index | Installation Data | | | |
|----------------|--------|---|--|-----------------------------|-----------------------|------|-----------|-------------------|---------------|-------------|-------------|
| | | Run ⑧ | Tap | Run | Tap | | | 750, 35 Series | 45 Series ① | 46 Series ② | # of Crimps |
| YGHP2C2 | 1 | #6 Sol. (0.162) {59500} - #2 Str. (0.292) {59500} | ④ #6 Sol. (0.162) {59500} - #2 Str. (0.292) {59500} | — | — | 0.75 | O | UO | UO | UO | 1 |
| YGHP2C6W6W ⑤ | 2 | #6 Sol. (0.162) - #2 Str. (0.292) | #8 Sol. (0.128) - #6 Str. (0.184) Qty. 2 | — | — | | | | | | 1 |
| YGHP29C6W6W ⑤ | 2 | | #8 Sol. (0.128) - #6 Str. (0.184) Qty. 2 | #3 Rebar 3/8 - 1/2 #4 Rebar | #8 Sol. - 6 Str. | | | | | | 1 |
| YGHP29C2 | 1 | 1/0 Str. (0.372) {98500} - 250 kcmil (0.575) {131500} | #4 Sol. (0.204) {#4 Sol.} - #2 Str. (0.292) {#2 Str.} | #3 Rebar 3/8 - 1/2 #4 Rebar | #2 Str. | 2.31 | 997 | U997 | U997 | U997 | 1 |
| YGHP29C26 | 1 | 1/2" - 5/8" Rod | 1/0 Str. (0.372) {98500} - 2/0 Str. (0.419) {98500} | #3 Rebar 3/8 - 1/2 #4 Rebar | 1/0 Str. - 2/0 Str. | | | | | | 1 |
| YGHP29C29 ⑥ | 1 | | 3/0 Str. (0.470) {131500} - 250 kcmil (0.575) {211500} | #3 Rebar 3/8 - 1/2 #4 Rebar | 3/0 Str. - 250 kcmil | | | | | | 1 |
| YGHP34C2 ③ | 1 | 250 kcmil (0.575) {250 kcmil} - 500 kcmil (0.813) {500 kcmil} 5/8" - 3/4" Rod | #4 Sol. (0.204) - #2 Str. (0.292) | #5 Rebar 5/8 - 3/4 #6 Rebar | — | 998 | PU998 | PU998 or S998 | PU998 or P998 | 1 | |
| YGHP34C26 ③ | 1 | | 1/0 Str. (0.372) {98500} - 2/0 Str. (0.419) {98500} | #5 Rebar 5/8 - 3/4 #6 Rebar | 1/0 Str. - 2/0 Str. | | | | | 1 | |
| YGHP34C29 ③ | 1 | | 3/0 Str. (0.470) {131500} - 250 kcmil (0.575) {211500} | #5 Rebar 5/8 - 3/4 #6 Rebar | 3/0 Str. - 250 kcmil | | | | | 1 | |
| YGHP34C34 ③ | 1 | 250 kcmil (0.575) - 500 kcmil (0.813) 5/8" - 3/4" Rod | 350 kcmil (0.681) - 500 kcmil (0.843) | #5 Rebar 5/8 - 3/4 #6 Rebar | 350 kcmil - 500 kcmil | 2.75 | 1011 | U1011 | S1011 | P1011 | 3 |

NOTES:

- ① 45 Series tools require PT6515 adapter to use "U" or "PU" die
- ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
- ③ These connectors can only be installed using the 750, 45 or 46 Series tools; cannot be installed with the 35 Series.
- ④ When using #6 Sol in tap, fold conductor double for improved fill.
- ⑤ Not UL96/CSA
- ⑥ When using 3/0 in tap, minimum run conductor must be 2/0 Str.
- ⑦ Clean rust and protective coatings from rebar prior to installation to provide proper ground connection. Precrimping is not required.

*Please contact Customer Service for applications requiring IEEE-837 2014.

| Ground Rod ⑧ Dia. | PRECRIMP Dies | |
|-------------------|---------------|--------|
| 1/2" | UPRECRIMP12 | U2CABT |
| 5/8" | UPRECRIMP58 | |
| 3/4" | UPRECRIMP34 | |

⑧ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

HYTAP™ Type YGHP-C Ground Rod Tap Connector

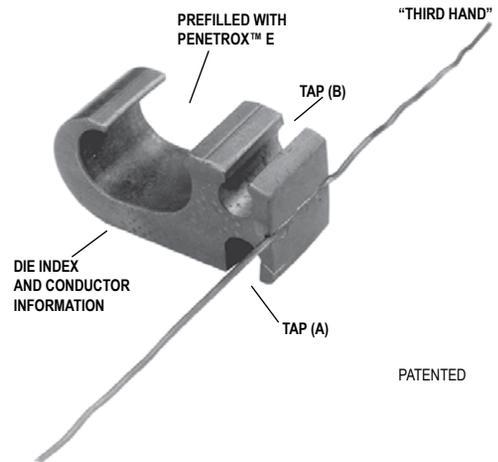
Type YGHP-C irreversible compression ground tap figure 6 can be used as a ground rod tap connector for both continuous run and tapping applications. An open groove allows ground rod to be connected to a continuous run or tap. The second groove is for a tap only. Prefilled with PENETROX™ E and strip sealed. UL467 Listed for direct burial in earth or concrete. *For applications requiring IEEE-837 2014, please contact Customer Service.

IEEE-837*

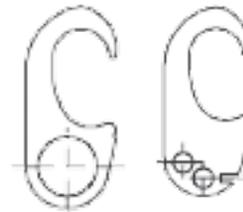
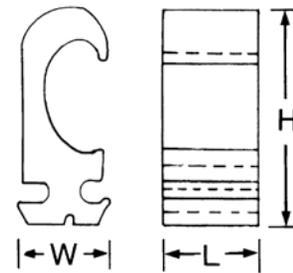


Features & Benefits

- Tap A accepts a continuous run or tap conductor; Tap B accepts a tap conductor only; one connector style can be used for many applications reducing the number of connectors required in inventory
- Material is high conductivity wrought copper extrusion, identical material to the conductor, minimizing resistance and voltage drop; additionally eliminates the possibility of corrosion due to dissimilar metals
- System engineered tooling has been designed to ensure a reliable, dependable connection every time
- Die index number is embossed on connector after completion of crimp facilitating inspection of installed connectors and ensures consistently reliable and dependable connections
- Prefilled with PENETROX™ E compound and individually sealed in clear polyethylene sheet ensuring electrical integrity of the finished connection by inhibiting moisture and contaminants from entering the contact area
- UL467 Listed and may be used in direct burial or concrete embedded grounding applications providing quality assurance to recognized industry NEC standard from an independent party
- "Third Hand" constrains conductors while installer completes crimp is included with each connector simplifying installation and reducing installed cost



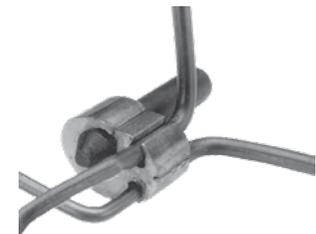
PATENTED



SINGLE TAP



CONTINUOUS RUN



CONTINUOUS RUN AND TAP

| Catalog Number | Ground Rod Dia. ① | Tap Conductor ② | Dimensions | | | Installation Tooling Die Number ③ (# of Crimps) | | Die Index |
|----------------|----------------------|---|------------|-------|-------|--|-------------|-----------|
| | | | H | L | W | 35, 750 Series | ④ 46 Series | |
| YGHP58C2W-2 | 1/2" - 5/8" | #2 Sol. - #6 Sol. Copper (1) Continuous Run and (1) Tap or up to (2) Taps may be connected | 1.90" | 0.75" | 0.94" | U997 (1) | U997 (1) | 997 |
| YGHP58C2W-2TN | | | | | | | | |

① Ground rod must be precrimped with die U2CABT (Index 348); for greater rotational resistance use UPRECRIMP die; Galvanized Steel Rods require YGHP58C2W-2TN

② Either tap position may be left void when fewer than (2) conductors are used

③ See Tooling Section in Master Catalog for complete tool and die listing

④ Use PUADP1 adapter when using "U"-dies in 46 Series tools

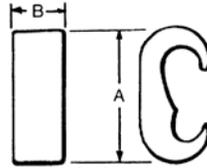
NOTE:

A 12" bend radius is recommended for the conductor

HYTAP™ Type YGHC-C Figure C Connector

Irreversible compression ground tap figure "C" connectors. Accommodates all cable combinations from #6 solid through 500 kcmil. "C"- shaped opening permits placing two continuous parallel cables into conductor groove. UL 467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed. Certain sizes are also UL467 Listed and CSA Certified for wire to ground rod.

IEEE-837*



✓ UL96 Listed for Lightning Protection.

Dimensions in brackets { } represent lightning protection conductors.

| Catalog Number | Commercial Copper Cable to Cable or Cable to Ground Rod | | Stranded Copper Cable Range Metric | | A | B | Die Index No. | Installation Data | | | No. of Crimps |
|----------------|--|--|---|---|------|------|---------------|-------------------|-------------|-------------|---------------|
| | Run | Tap | Run | Tap | | | | 750, 35 Series ⑤ | 45 Series ① | 46 Series ② | |
| YGHC2C2 | #6 Sol. (0.162) #2 Str. (0.292) 1/4" Rod ④ | #6 Sol. (0.162) #2 Str. (0.292) | 10 mm ² (4.12 mm) 35 mm ² (7.62 mm) | 10 mm ² (4.12 mm) 35 mm ² (7.62 mm) | 1.16 | 0.75 | C | U-C | U-C | U-C | 1 |
| YGHC26C2 | 1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500} 3/8" Rod ④ | #6 Sol. (0.162) {#6 Sol.} #2 Str. (0.292) {#2 Str.} | 35 mm ² (7.62 mm) 70 mm ² (10.9 mm) | 10 mm ² (4.12 mm) 35 mm ² (7.62 mm) | 1.41 | 0.75 | O | U-O | U-O | U-O | 1 |
| YGHC26C26 | 1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500} 3/8" Rod ④ | 1 Str. (0.328) {98500} 2/0 Str. (0.419) {98500} | 35 mm ² (7.62 mm) 70 mm ² (10.9 mm) | 35 mm ² (7.62 mm) 70 mm ² (10.9 mm) | 1.54 | 0.75 | O | U-O | U-O | U-O | 1 |
| YGHC29C26 | 3/0 Str. (0.470) {3/0 Str.} 250 kcmil (0.575) {250 kcmil} 1/2" or 5/8" Rod ④ | 6 Sol. (0.162) {59500} 2/0 Str. (0.419) {98500} | 95 mm ² (12.5 mm) 120 mm ² (14.4 mm) | 10 mm ² (4.10 mm) 70 mm ² (10.90 mm) | 1.97 | 0.75 | 997 | U997 | U997 | U997 | 1 |
| YGHC29C29 | 3/0 Str. (0.470) 250 kcmil (0.575) 1/2" or 5/8" Rod ④ | 3/0 Str. (0.470) 250 kcmil (0.575) | 95 mm ² (12.5 mm) 120 mm ² (14.4 mm) | 95 mm ² (12.5 mm) 120 mm ² (14.4 mm) | 2.06 | 0.88 | 997 | U997 | U997 | U997 | 1 |
| YGHC34C26 ⑤ | 300 kcmil (0.630) {300 kcmil} 500 kcmil (0.813) {500 kcmil} 3/4" Rod ④ | 6 Sol. (0.162) {59500} 2/0 Str. (0.419) {98500} | 150 mm ² (16 mm) 240 mm ² (20.35 mm) | 10 mm ² (4.10 mm) 70 mm ² (10.90 mm) | 2.42 | 0.88 | 1011 | U1011 | S1011 | P1011 | 2 |
| YGHC34C29 ⑤ | 300 kcmil (0.630) 500 kcmil (0.813) | 3/0 Str. (0.470) 250 kcmil (0.575) | 150 mm ² (16 mm) 240 mm ² (20.35 mm) | 95 mm ² (12.5 mm) 120 mm ² (14.4 mm) | 2.67 | 0.88 | 1011 | U1011 | S1011 | P1011 | 2 |
| YGHC34C34 ⑤ | 300 kcmil (0.630) 500 kcmil (0.813) | 300 kcmil (0.630) 500 kcmil (0.813) | 150 mm ² (16 mm) 240 mm ² (20.35 mm) | 150 mm ² (16 mm) 240 mm ² (20.35 mm) | 2.91 | 1.10 | 1011 | U1011 | S1011 | P1011 | 3 |

- ① 45 Series tools require PT6515 adapter to use "U" or "PU" die
- ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
- ③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.
- ④ Ground rod to copper cable is UL467 Listed for direct burial in earth and concrete
- ⑤ These connectors cannot be installed with the 35 Series

NOTES:

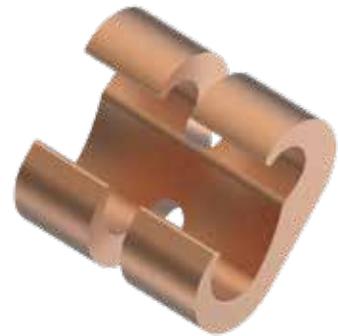
Listed under UL486A for copper wire connectors
For connectors without PENETROX™ oxide inhibitor, add suffix "NP" to the end of the catalog number (example: YGHC2C2-NP)

*Please contact Customer Service for applications requiring IEEE-837 2014.

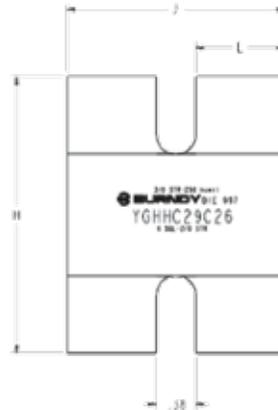
| Ground Rod ③ Dia. | PRECRIMP Dies | |
|----------------------|---------------|--------|
| 1/2" | UPRECRIMP12 | U2CABT |
| 5/8" | UPRECRIMP58 | |
| 3/4" | UPRECRIMP34 | |

HYTAP™ Type YGHHC-C Double Figure C Connector

Irreversible compression ground tap figure "C" connectors. Accommodates all cable combinations from #6 solid through 500 kcmil. "C"-shaped opening permits placing two continuous parallel cables into conductor groove. The YGHHC-C series is qualified to IEEE-837 2014. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*



| Catalog Number | Commercial Copper Cable to Cable or Cable to Ground Rod ③ | | Stranded Copper Cable Range Metric | | H | L | Z | Die Index No. | Installation Data | | | No. of Crimps |
|----------------|---|--|---------------------------------------|---------------------------------------|-----------|-----------|-----------|---------------|-------------------|-------------|-------------|---------------|
| | Run | Tap | Run | Tap | | | | | 750, 35 Series | 45 ① Series | 46 ② Series | |
| YGHHC26C26 | 1 Str. (0.328) 2/0 Str. (0.419) 3/8" Rod | 1 Str. (0.328) 2/0 Str. (0.419) | 35 mm² (7.62 mm) 70 mm² (10.9 mm) | 35 mm² (7.62 mm) 70 mm² (10.9 mm) | 1.54 [39] | 0.75 [19] | 1.88 [48] | O | UO | UO | UO | 2 |
| YGHHC29C26 | 3/0 Str. (0.470) 250 kcmil (0.575) 1/2" or 5/8" Rod | 6 Sol. (0.162) 2/0 Str. (0.419) | 95 mm² (12.5 mm) 120 mm² (14.4 mm) | 10 mm² (4.10 mm) 70 mm² (10.90 mm) | 1.97 [50] | 0.88 [22] | 2.13 [54] | 997 | U997 | U997 | U997 | 2 |
| YGHHC29C29 | 3/0 Str. (0.470) 250 kcmil (0.575) 1/2" or 5/8" Rod | 3/0 Str. (0.470) 250 kcmil (0.575) | 95 mm² (12.5 mm) 120 mm² (14.4 mm) | 95 mm² (12.5 mm) 120 mm² (14.4 mm) | 2.06 [52] | 0.88 [22] | 2.13 [54] | 997 | U997 | U997 | U997 | 2 |
| YGHHC34C26 ⑤ | 300 kcmil (0.630) 500 kcmil (0.813) 3/4" Rod | 6 Sol. (0.162) 2/0 Str. (0.419) | 150 mm² (16 mm) 240 mm² (20.35 mm) | 10 mm² (4.10 mm) 70 mm² (10.90 mm) | 2.42 [62] | 0.88 [22] | 2.13 [54] | 1011 | U1011 | S1011 | P1011 | 4 |
| YGHHC34C29 ⑤ | 300 kcmil (0.630) 500 kcmil (0.813) | 3/0 Str. (0.470) 250 kcmil (0.575) | 150 mm² (16 mm) 240 mm² (20.35 mm) | 95 mm² (12.5 mm) 120 mm² (14.4 mm) | 2.67 [68] | 0.88 [22] | 2.13 [54] | 1011 | U1011 | S1011 | P1011 | 4 |
| YGHHC34C34 ⑤ | 300 kcmil (0.630) 500 kcmil (0.813) | 300 kcmil (0.630) 500 kcmil (0.813) | 150 mm² (16 mm) 240 mm² (20.35 mm) | 150 mm² (16 mm) 240 mm² (20.35 mm) | 2.91 [74] | 1.10 [28] | 2.58 [66] | 1011 | U1011 | S1011 | P1011 | 6 |

① 45 Series tools require PT6515 adapter to use "U" or "PU" die

② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.

⑤ These connectors cannot be installed with the 35 Series

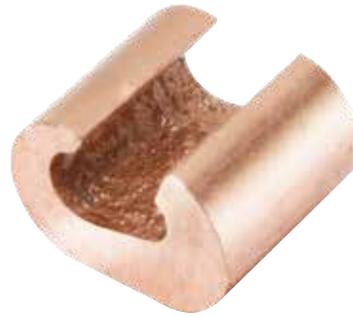
| Ground Rod ③ Dia. | PRECRIMP Dies | |
|-------------------|---------------|--------|
| 1/2" | UPRECRIMP12 | U2CABT |
| 5/8" | UPRECRIMP58 | |
| 3/4" | UPRECRIMP34 | |

Compression Grounding

HYGROUND® Compression System
COPPER CRIMPIT™ Type YGC

COPPER CRIMPIT™ Type YGC

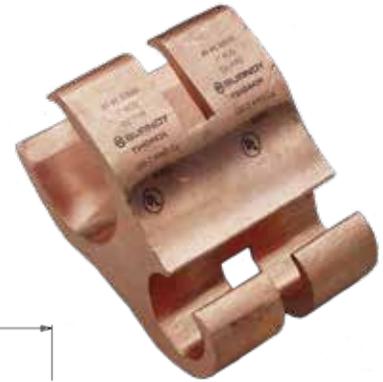
UL 467 Listed for direct burial in earth or concrete. Prefilled with PENETROX™ E2 oxide inhibitor.



| Catalog Number | Copper Conductor (Sol. & Str.) | | H | L | Die Index | OUR840 | MD6/MD7 | Number of Crimps |
|----------------|--------------------------------|--------|------|------|-----------|--------|---------|------------------|
| | Run | Tap | | | | | | |
| YGC10C10 | 10 AWG | 10 AWG | 0.37 | 0.32 | 238 | W238 | W238 | 1 |
| YGC8C8 | 8 AWG | 8 AWG | 0.46 | 0.52 | 162 | W162 | W162 | 2 |
| YGC6C8 | 6 AWG | 8 AWG | 0.73 | 0.62 | BG | XBG | WBG | 2 |
| YGC6C6 | 6 AWG | 6 AWG | 0.76 | 0.62 | BG | XBG | WBG | 2 |
| YGC4C4 | 4 AWG | 4 AWG | 0.81 | 0.62 | BG | XBG | WBG | 2 |

HYTAP™ Type YSHG Double Figure H Connector

Type YSHG Double H-Tap grounding series is comprised of five connectors designed to accommodate wire range sizes #14 through 500 kcmil, including ground rod sizes: 3/4", 1", and rebar sizes: #6, #7, #8 and #9. Prefilled with PENETROX™ E2 and strip sealed.



Features & Benefits

- UL467 Listed, suitable for direct burial in earth or concrete
- Material is high conductivity copper extrusion to minimize resistance and eliminate corrosion due to dissimilar metals
- Grooves are prefilled with PENETROX™ E2 oxide inhibitor and individually sealed to inhibit moisture and contaminants ensuring electrical integrity

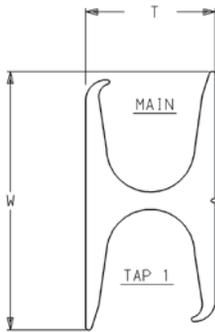
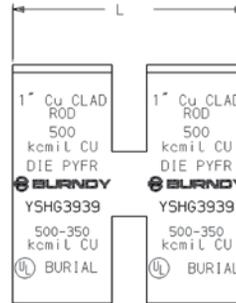


Fig. 1

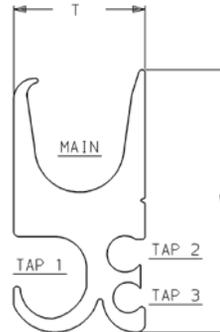


Fig. 2

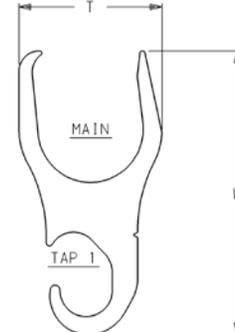


Fig. 3

| Catalog Number | Fig. # | Conductor Sizes | | | | Tooling (# of crimps) | | Index Embossment | W ±.06 | T ±.04 | L ±.06 |
|----------------|--------|--|-----------|-------|--------|-----------------------|--------------------------|------------------|--------|--------|--------|
| | | Main | Tap 1 | Tap 2 | Tap 3 | 750 Series | 46 Series | | | | |
| YSHG4429 | 3 | #9 & #8 Rebar, 1" [25] Ground Rod | 250 - 2 | — | — | — | PYFR (2) | KR | 3.22 | 1.70 | 2.44 |
| YSHG3931 ① | 2 | #6 & #7 Rebar, 1" [25] Cu Clad Ground Rod, 3/4" Ground Rod 500 - 350 kcmil Copper | 4/0 - 1/0 | 1 - 6 | 2 - 14 | — | PYFR (2) | KR | 2.97 | 1.50 | 2.34 |
| YSHG3434 | 1 | #6 Rebar, 3/4" [19] Ground Rod 400 - 250 kcmil Copper | 400 - 4/0 | — | — | U1104 (4) | P1104 (2) ② U1104 (4) | 1104 | 2.43 | 1.15 | 2.44 |
| YSHG3429 | 2 | #6 Rebar, 3/4" [19] Ground Rod 400 - 4/0 kcmil Copper | 3/0 - 1/0 | 1 - 4 | 8 - 14 | U1104 (4) | P1104 (2) ② U1104 (4) | 1104 | 2.23 | 1.31 | 2.44 |

① Not for use on 1" steel ground rod

② Use PUADP1 adapter

Compression Grounding

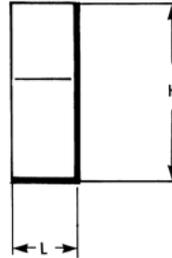
HYGROUND® Compression System
HYTAIL™ Type YGHR-C Ground Rod Tap Connector

HYTAIL™ Type YGHR-C Ground Rod Tap Connector

High torque strength ground rod connectors. Accommodates a wide range of copper conductors to ground rod. UL467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*



| Catalog Number | H | L | Commercial Copper Cable Range | Nominal Ground Rod ③ Dia. | Installation Tools, Die Set Catalog Number (# of Crimps) | | | | |
|-----------------|------|------|--|------------------------------|---|------------------------|------------------------|------------------------|-----------|
| | | | | | 750, 35 Series | 45 Series ① | 46 Series ② | | |
| YGHR26C12 | 1.94 | 0.88 | #2 Str. (0.29 Dia.) - 2/0 Str. (0.42 Dia.) | 1/2" [12.70] | U1011 (2) PU998 (1) | S1012 (2) PU998 (1) | P1011 (2) PU998 (1) | | |
| YGHR26C58 | 1.97 | | | 5/8" [15.90] | | | | | |
| YGHR26C34 | 2.19 | | | 3/4" [19.00] | | | | | |
| YGHR26C100 ⑤ | 2.55 | | | 1" [25.40] | | | | | |
| YGHR29C12 | 1.94 | | #4/0 Str. (0.53 Dia.) - 250 kcmil (0.58 Dia.) | 1/2" [12.70] | | S1012 (2) PU998 (1) | | P1011 (2) PU998 (1) | |
| YGHR29C58 | 2.14 | | | 5/8" [15.90] | | | | | |
| YGHR29C34 | 2.19 | | | 3/4" [19.00] | | | | | |
| YGHR29C100 ⑤ | 2.45 | | | 1" [25.40] | | | | | |
| YGHR34C58 | 2.14 | | 300 kcmil (0.63 Dia.) - 500 kcmil (0.81 Dia) | 5/8" [15.90] | | S1012 (2) PU998 (1) | | | P1011 (2) |
| YGHR34C34 ⑤ | 2.44 | | | 3/4" [19.00] | | | | | |
| YGHR34C100 ⑤ | 2.45 | | | 1" [25.40] | | | | | |

- ① 45 Series tools require PT6515 adapter to use "U" or "PU" die
- ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
- ③ When attaching connector to ground rod, ground rod must be embossed with appropriate PRECRIMP die. For connectors that must meet IEEE 837 requirements, UPRECRIMP-type precrimp dies must be used for maximum clamping retention. No precrimp needed if using S1012, P1011 or U1011 die sets.
- ④ These connectors cannot be installed with the 35 Series

NOTES:

The catalog numbers shown are for unplated copper connectors for use on copper clad or stainless steel ground rod. To order electro-tin plated connectors for use on galvanized steel ground rod add suffix "-TN" to the catalog number. The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector.

Complete die catalog numbers do not always appear on the connector, sometimes it is the die index.

*Please contact Customer Service for applications requiring IEEE-837 2014.

| Ground Rod ③ Dia. | PRECRIMP Dies | |
|----------------------|---------------|--------|
| 1/2" | UPRECRIMP12 | U2CABT |
| 5/8" | UPRECRIMP58 | |
| 3/4" | UPRECRIMP34 | |

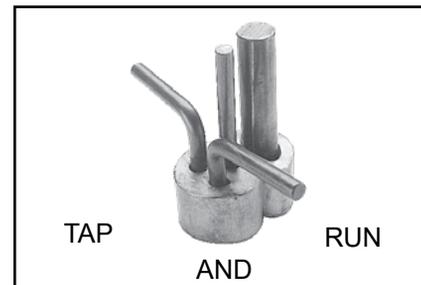
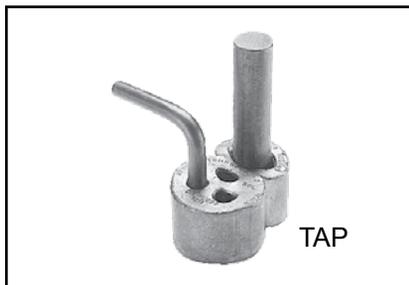
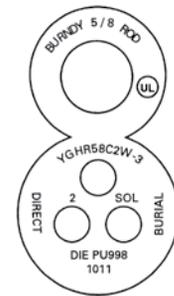
HYTAIL™ Type YGHR-C Ground Rod Connector

Type YGHR-C irreversible compression grounding connector is engineered specifically for the Telecommunications Industry for (1, 2 or 3) #2 solid, tinned or bare conductor taps. UL467 Listed. Acceptable for direct burial in earth or concrete. BURNDY® has designed this connector to meet the stringent requirements of OSHA, the National Electric Code (NEC), UL, and the Telecommunications Industry. Performance and long life are this connector's basic design guidelines.



Features & Benefits

- Tap side: 1, 2, or 3 conductors; one connector style can be used for many applications
- Material is high conductivity wrought copper extrusion, identical to conductor material, eliminating the possibility of corrosion due to dissimilar metals, additional minimizes resistance and voltage drop
- System engineered tooling has been designed to provide a reliable dependable connection
- Die index number embossed on connector after crimp completion facilitating inspectability and ensure consistently reliable and dependable connections
- Prefilled with PENETROX™ compound and individually sealed in clear polyethylene sheet ensuring the electrical integrity of finished connection by inhibiting moisture and contaminants from entering the contact area and maintaining long-term high conductivity
- UL 467 Listed, acceptable for direct burial or concrete embedded grounding applications providing quality assurance to recognized industry NEC standards from an independent party



| Catalog Number | Ground Rod ③ Diameter | Tap Conductor ⑦ | Installation Tools, Die Set Catalog Number (# of Crimps) | | Die Index |
|----------------|-----------------------|---|--|---|-----------|
| | | | 750 Series 35 Series ⑤ | 46 Series ② | |
| YGHR58C2W-3 | 5/8" | #2 Sol Copper 1, 2, or 3 may be connected | PU998 (1) U1011 (2) | PU998 (1) U1011 (2) P998 (1) P1011 (2) | 998/1011 |

Notes:

- To order electro-tin plated connector for use on galvanized steel ground rod add suffix "TN" to the catalog number; The ground rod hole diameter is larger for galvanized steel ground rod in the tin plated connector
- Contact BURNDY for other ground rod diameters
- ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
- ③ When attaching connector to ground rod, ground rod must be embossed with appropriate UPRECRIMP58 or U2CABT Precrimp dies for maximum clamping retention. No precrimp needed if using P1011 or U1011 die sets.
- ⑤ The 35 Series can only use the PU998 die
- ⑦ Tap positions may be left void when fewer than (3) conductors are used

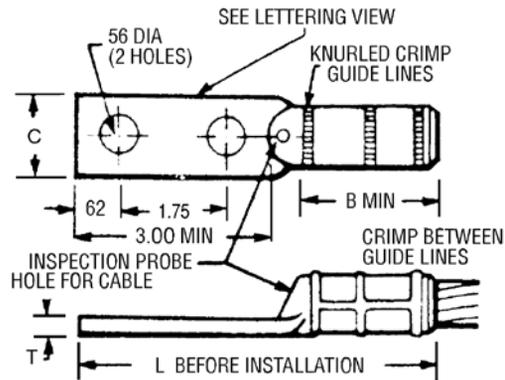
| Ground Rod ③ Dia. | PRECRIMP Dies | |
|-------------------|---------------|--------|
| 5/8" | UPRECRIMP58 | U2CABT |

Compression Grounding

HYGROUND® Compression System
HYLUG™ Type YGHA Heavy Duty Terminal

HYLUG™ Type YGHA Heavy Duty Terminal

Heavy duty HYLUG™ irreversible compression terminals designed not only to carry short circuit load, but to also withstand high mechanical stress. Each conductor element has an inspection probe hole to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.



| Catalog Number | Copper Conductor Size | Installation Tools, Die Set Catalog Number and (# of Crimps) 35 Series, 750 Series, 45 Series ①, 46 Series ② | B | C | L | T |
|----------------|-----------------------|--|------|------|------|------|
| YGHA2C-2N | 2 AWG | U1CRT1 (1) | 0.75 | 0.97 | 4.21 | 0.26 |
| YGHA25-2N | 1/0 AWG | U27RT (1) | 0.83 | 0.91 | 4.60 | 0.19 |
| YGHA26-2N | 2/0 AWG | U28RT (1) | 0.83 | 0.97 | 4.38 | 0.26 |
| YGHA27-2N | 3/0 AWG | U29RT (1) | 1.18 | 1.08 | 4.94 | 0.29 |
| YGHA28-2N | 4/0 AWG | U30RT (2) | 1.18 | 1.22 | 4.94 | 0.30 |
| YGHA29-2N | 250 kcmil | U31RT (2) | 1.18 | 1.28 | 4.94 | 0.34 |
| YGHA31-2N* | 350 kcmil | U34RT (2) | 1.18 | 1.62 | 5.00 | 0.43 |
| YGHA34-2N | 500 kcmil | U36RT (3) | 1.48 | 1.72 | 5.42 | 0.40 |

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
 ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
 * IEEE837 2002 Qualified
 Add -TN suffix for tin plating

HYLUG™ Type YGA Terminal

Irreversible compression HYLUG™ ground terminal specifically designed for grounding applications. Each connector has an inspection probe hole to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.

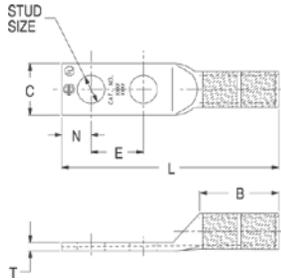


Fig.1

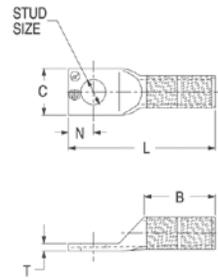


Fig.2



| Catalog Number | Fig. # | Copper Conductor Size (Sol. & Str.) | Installation Tools, Die Set Cat. No. and (# of Crimps) | | Stud Size | B | C | L | T | E |
|-----------------|--------|-------------------------------------|--|---|-----------|------|------|------|------|------|
| | | | Mechanical | Hydraulic | | | | | | |
| | | | MD7-34R or OUR840 | 35 Series, 750 Series, 45 Series ①, 46 Series ② | | | | | | |
| YGA8C-TC10 | 2 | 8 Sol./8 Str. | W8CVT (2) X8CRT (2) | U8CRT (2) | #10 | 0.81 | 0.41 | 1.57 | 0.08 | — |
| YGA8C-TC14 | 2 | 8 Sol./8 Str. | W8CVT (2) X8CRT (2) | U8CRT (2) | 1/4 | 0.81 | 0.44 | 1.69 | 0.08 | — |
| YGA8C-TC516 | 2 | 8 Sol./8 Str. | W8CVT (2) X8CRT (2) | U8CRT (2) | 5/16 | 0.81 | 0.51 | 1.75 | 0.06 | — |
| YGA8C-2N | 1 | 8 Sol./8 Str. | W8CVT (2) X8CRT (2) | U8CRT (2) | 1/2 | 0.78 | 0.83 | 4.09 | 0.12 | 1.75 |
| YGA6C-TC10 | 2 | 6 Sol./6 Str. | W5CVT (2) X5CRT (2) | U5CRT (2) | #10 | 1.12 | 0.42 | 1.89 | 0.09 | — |
| YGA6C-TC14 | 2 | 6 Sol./6 Str. | W5CVT (2) X5CRT (2) | U5CRT (2) | 1/4 | 1.12 | 0.45 | 2.02 | 0.08 | — |
| YGA6C-TC516 | 2 | 6 Sol./6 Str. | W5CVT (2) X5CRT (2) | U5CRT (2) | 5/16 | 1.12 | 0.51 | 2.08 | 0.07 | — |
| YGA6C-2TC38E2G1 | 1 | 6 Sol./6 Str. | W5CVT (2) X5CRT (2) | U5CRT (2) | 3/8 | 1.12 | 0.58 | 3.42 | 0.06 | 0.75 |
| YGA6C-2N | 1 | 6 Sol./6 Str. | W5CVT (2) X5CRT (2) | U5CRT (2) | 1/2 | 1.09 | 0.83 | 4.40 | 0.12 | 1.75 |
| YGA2C-2TC38 | 1 | 2 Sol./2 Str. | W2CRT (2) X2CRT (2) | U2CRT (2) | 3/8 | 1.25 | 0.60 | 3.48 | 0.12 | 1.00 |
| YGA2C-2N | 1 | 2 Str. | W2CRT (2) X2CRT (2) | U2CRT (2) | 1/2 | 1.22 | 0.83 | 4.71 | 0.12 | 1.75 |
| YGA25-2N | 1 | 1/0 Str. | W25VT (4) X25RT (4) | U25RT (2) | 1/2 | 1.35 | 0.83 | 4.81 | 0.12 | 1.75 |
| YGA26-2N | 1 | 2/0 Str. | W26VT (4) X26RT (4) | U26RT (2) | 1/2 | 1.45 | 0.81 | 4.97 | 0.12 | 1.75 |
| YGA28-2N | 1 | 4/0 Str. | W28VT (4) X28RT (4) | U28RT (2) | 1/2 | 1.57 | 1.00 | 5.17 | 0.14 | 1.75 |
| YGA29-2N | 1 | 250 kcmil | W29VT (4) | U29RT (2) | 1/2 | 1.57 | 1.09 | 5.21 | 0.16 | 1.75 |
| YGA34-2N | 1 | 500 kcmil | W34VT (4) | U34RT (4) | 1/2 | 2.20 | 1.52 | 6.08 | 0.23 | 1.75 |

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

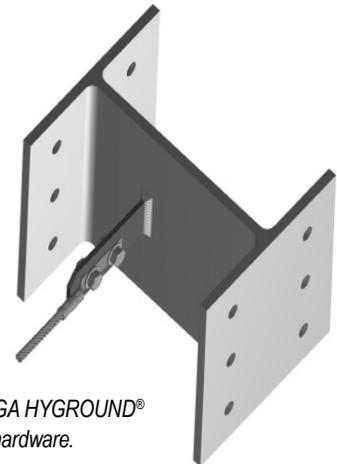
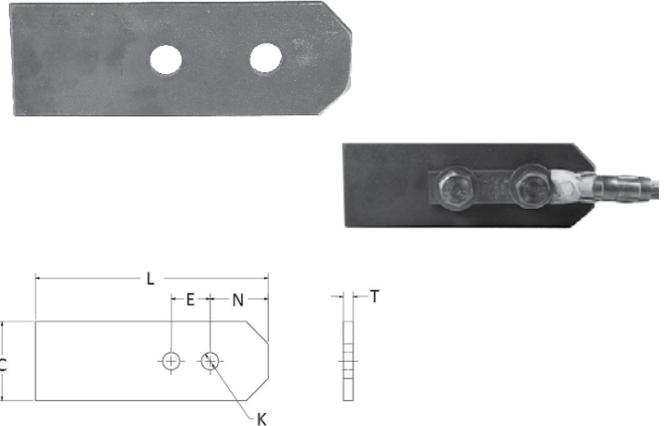
GROUNDTAB for Metal Structure Grounding

(requires welding)

The BURNDY® GROUNDTAB offers a convenient attachment point for terminations of ground wires to steel structures or steel supports. The tabs are easily welded to steel, with two mounting pattern options available. The tabs are made of steel, 1/4" thick, and can be used to attach 1-hole or 2-hole terminals. Compression terminals, mechanical terminals, or SERVIT® Posts can be used to attach ground wires to steel tabs. All connection options and necessary hardware are sold separately. Often used when traditional connection methods are not practical, or when temporary grounds are required. Common applications include large generators, mobile construction site modules, housing structures built in permafrost areas, and in any metal structure requiring a permanent or temporary ground option.

Features & Benefits

- Convenient
- Can be used to attach 1-hole or 2-hole terminals
- 1/4" thick steel
- Easily welds to steel
- Offers many connection options
- Used when traditional options are not practical



GROUNDTAB with Type YGA HYGROUND® compression terminal and hardware.

Right: Application image of GROUNDTAB used with terminals



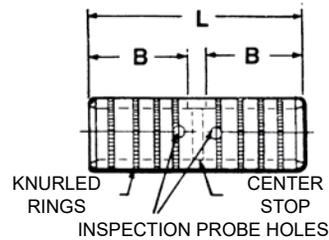
| Catalog Number | L Inches | C Inches | T Inches | N Inches | No. of Holes | Hole Size (K) | Hole Spacing (E) Inches |
|----------------|----------|----------|----------|----------|--------------|---------------|-------------------------|
| GROUNDTAB1/2 | 6.00 | 2.00 | 1/4" | 1.50 | 2 | 1/2" | 1.75 |
| GROUNDTAB3/8 | 6.00 | 2.00 | 1/4" | 1.50 | 2 | 3/8" | 1.00 |

HYLINK™ Type YGHS Heavy Duty Splice

Heavy duty HYLINK™ ground splice designed not only to carry short circuit load, but to also withstand high mechanical stress. Each conductor element has an inspection probe hole and a center stop to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*

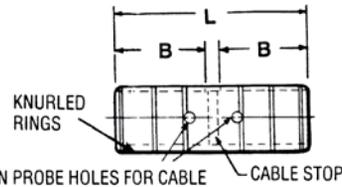


| Catalog Number | Copper Conductor Size | Installation Tools, Die Set Catalog Number and (# of Crimps) 35 Series, 750 Series, 45 Series ①, 46 Series ② | B | L |
|----------------|-----------------------|---|------|------|
| YGHS2C | 2 AWG | U1CRT1 (1) | 0.75 | 1.73 |
| YGHS25 | 1/0 AWG | U27RT (1) | 0.83 | 1.89 |
| YGHS26 | 2/0 AWG | U28RT (1) | 0.83 | 1.89 |
| YGHS27 | 3/0 AWG | U29RT (1) | 1.18 | 2.59 |
| YGHS28 | 4/0 AWG | U30RT (2) | 1.18 | 2.59 |
| YGHS29 | 250 kcmil | U31RT (2) | 1.18 | 2.59 |
| YGHS31* | 350 kcmil | U34RT (2) | 1.18 | 2.59 |
| YGHS34 | 500 kcmil | U36RT (3) | 1.48 | 3.19 |

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
 ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
 * IEEE837 2002 Qualified

HYLINK™ Type YGS Splice

Irreversible compression HYLINK™ ground splices specifically designed for grounding applications. Each conductor element has an inspection probe hole and a center stop to ensure proper cable insertion. UL467 Listed. Acceptable for direct burial in earth or concrete. UL486A Listed. Prefilled with PENETROX™ E compound and strip sealed.



| Catalog Number | Copper Conductor Size | Installation Tools, Die Set Catalog Number and (# of Crimps) | | | | B | L |
|----------------|-----------------------|--|--------------|-----------|---|------|------|
| | | Mechanical | | | Hydraulic | | |
| | | Y1MRTC | MD734R | OUR840 | 35 Series, 750 Series, 45 Series ①, 46 Series ② | | |
| YGS8C | 8 Sol./Str. | Red (2) | W8CRT, W8CVT | X8CRT | U8CRT (2) | 0.78 | 1.75 |
| YGS6C | 6 Sol./Str. | Blue (2) | W5CRT, W5CVT | X5CRT | U6CRT (2) | 1.09 | 2.38 |
| YGS2C | 2 Sol./Str. | Brown (4) | W2CVT (2) | X2CVT (2) | U2CRT (2) | 1.22 | 2.67 |
| YGS25 | 1/0 Sol./Str. | — | W25VT (4) | X25RT (4) | U25RT (2) | 1.35 | 2.97 |
| YGS26 | 2/0 Str. | — | W26VT (4) | X26RT (4) | U26RT (2) | 1.45 | 3.13 |
| YGS28 | 4/0 Str. | — | W28VT (4) | X28RT (4) | U28RT (2) | 1.57 | 3.37 |
| YGS29 | 250 kcmil | — | W29VT (4) | — | U29RT (2) | 1.57 | 3.37 |
| YGS34 | 500 kcmil | — | W34VT (4) | — | U34RT (4) | 2.20 | 4.63 |

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
 ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

Type YGF Grounding Plate

The irreversible compression ground plate is designed to withstand the rigors of concrete construction. The ground plates are made of high strength, high-conductivity cast copper alloy body with a pure wrought copper compression element. In addition to the tapped NEMA size holes and spacing on the face, the plate comes with a tapped hole on the underside for ease of positioning prior to pouring the concrete. UL467 Listed. Acceptable for direct burial in earth or concrete. Prefilled with PENETROX™ compound and strip sealed.



IEEE-837*

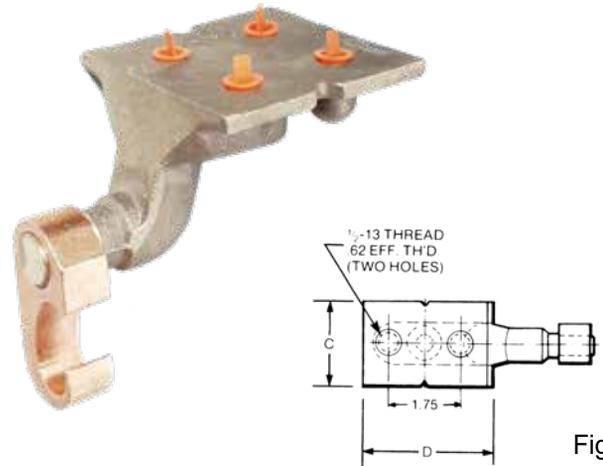


Fig. 1

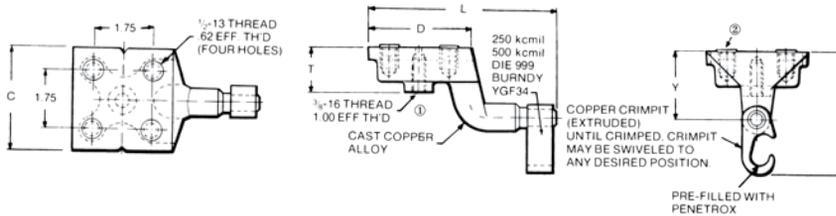


Fig. 2

NOTES:

- ① This tapped hole may be used to position the grounding plate on a threaded rod prior to placement of the concrete. 3/8-16 thread with 1.00 EFF. Thread is standard. If other thread is required, add appropriate suffix code to catalog number. -50 (1/2-13, .94 EFF. Thread), -62 (5/8-11, .94 EFF. Thread) and -75 (3/4-10, .81 EFF. Thread) Example: YGF34-4N-50 is YGF34-4N with 1/2-13 Thread
- ② Plastic plugs are provided to keep dirt out of the threaded holes until the attachment of grounding terminals

| Catalog Number | Fig. # | C | D | H | L | T | Y | Copper Conductor Range | Tapped Holes | | Installation Tools, Die Set Cat. No., and (# of Crimps) | | |
|----------------|--------|------|------|------|------|------|------|------------------------|--------------|--------------|---|-------------|-------------|
| | | | | | | | | | Size | Hole Centers | 35 Series, 750 Series | 45 Series ① | 46 Series ② |
| YGF29-2N | 1 | 2.00 | 3.25 | 3.62 | 5.78 | 1.31 | 2.00 | 2 AWG-250 kcmil | 1/2 - 13 | 1-3/4 | U997 (1) | U997 (1) | U997 (1) |
| YGF29-4N | 2 | 3.25 | 3.25 | 3.62 | 5.78 | 1.31 | 2.00 | 2 AWG-250 kcmil | 1/2 - 13 | 1-3/4 | U997 (1) | U997 (1) | U997 (1) |
| YGF34-2N ③ | 1 | 2.00 | 3.25 | 4.62 | 5.40 | 1.31 | 2.19 | 250 kcmil-500 kcmil | 1/2 - 13 | 1-3/4 | U1011 (3) | S1011 (2) | P1011 (2) |
| YGF34-4N ③ | 2 | 3.75 | 3.75 | 4.62 | 5.90 | 1.31 | 2.19 | 250 kcmil-500 kcmil | 1/2 - 13 | 1-3/4 | U1011 (3) | S1011 (2) | P1011 (2) |

① 45 Series tools require PT6515 adapter to use "U" or "PU" die
 ② 46 Series tools require PUADP1 adapter to use "U" or "PU" die
 ③ These connectors can only be installed using the 750, 45, or 46 series of tools.
 *Please contact Customer Service for applications requiring IEEE-837 2014.

GROUNDLINK™ Type YGIB for Structural steel angled or parallel beam

An irreversible compression ground connection which allows attachment to a structural steel standard (angled) or wide flange (parallel) beam. Installed with a required 5-piece die set, Catalog PIBEAMKIT or UIBEAMKIT. Die index 1105. GROUNDLINK™ connectors are made of high-conductivity wrought copper and come pre-filled with PENETROX™ E compound and strip sealed. Order terminal mounting hardware separately.

NOTES:

Terminal connector to be ordered separately. When I-beam connector is used with type YGHA terminal, the connection meets IEEE 837. YGA-2N, YA-2N and other BURNDY® 2-hole NEMA copper terminals are suitable.

Order TMHG Terminal Mounting Hardware Kit separately. Kit consists of 2 studs, 2 flat washers, 2 lockwashers and 2 hex nuts.

Using the 1/4 hex key wrench, screw the stud into the connector until stud bottoms out in connector. Install a YGHA terminal, flat washer, lockwasher and hex nut onto stud. Tighten and torque to 480 pound-inches.

Dimensions shown in i-Beam Flange Thickness column reflect the minimum dimensions required on a beam to properly install the i-Beam connector.

To correctly determine the appropriate YGIB connector to use based on flange thickness, order either YGIBGAUGE1 or YGIBKIT1 (KIT1 contains WIREMIKE).

*Please contact Customer Service for applications requiring IEEE-837 2014.



IEEE-837*

Connector shipped with thread protection studs only. Order TMHG kits separately.

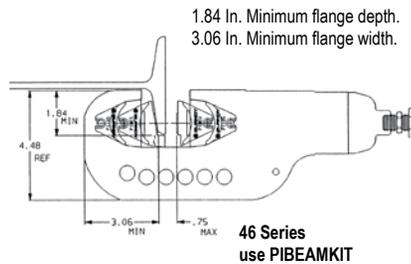


Fig. 1

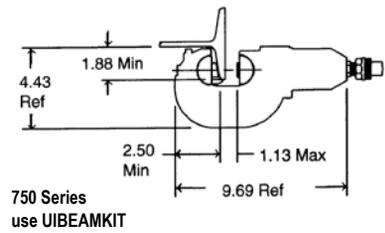
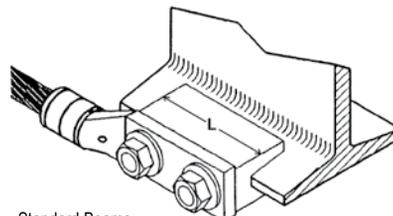
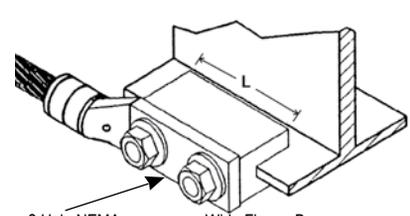


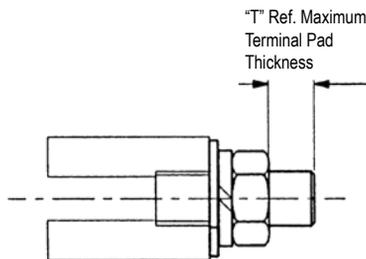
Fig. 2



Standard Beams
(Flange Angled) use YGIBS



2 Hole NEMA
Spacing
Wide Flange Beams
(Flange Parallel) use YGIBW



TERMINAL MOUNTING HARDWARE

| Catalog Number | "T" |
|----------------|------|
| TMHG42 | 0.42 |
| TMHG92 | 0.92 |

NOTE: Use TMHG-92 to double stack lugs.

GROUNDLINK™ Type YGIB (Continued)

| Catalog Number | Copper Conductor Size | Fig. # | L | J | I-Beam Flange Thickness | Suggested Terminals | | T | |
|-----------------|-----------------------|--------|------|--------|-------------------------|---------------------|------------------------|--------------|--------------|
| | | | | | | Copper Conductor | Terminal | | |
| YGIBS28-338-2N | 2 AWG-4/0 AWG | 1 | 3.00 | 1/2-13 | 0.250" - 0.338" | #2 Str. AWG | YGHA2C-2N | 0.26 | |
| | | | | | | 1/0 Str. AWG | YGHA25-2N | 0.19 | |
| YGIBW28-338-2N | 2 AWG-4/0 AWG | 2 | 3.00 | 1/2-13 | | 2/0 Str. AWG | YGHA26-2N | 0.26 | |
| | | | | | | 4/0 Str. AWG | YGHA28-2N | 0.30 | |
| YGIBS34-338-2N | 250 kcmil-500 kcmil | 1 | 6.00 | 1/2-13 | | 250 kcmil | YGHA29-2N | 0.34 0.40 | |
| YGIBW34-338-2N | 250 kcmil-500 kcmil | 2 | 6.00 | 1/2-13 | | 500 kcmil | YGHA34-2N | 0.34 0.40 | |
| YGIBS28-400-2N | 2 AWG-4/0 AWG | 1 | 3.00 | 1/2-13 | | 0.338" - 0.400" | #2 Str. AWG | YGHA2C-2N | 0.26 |
| | | | | | | | 1/0 Str. AWG | YGHA25-2N | 0.19 |
| YGIBW28-400-2N | 2 AWG-4/0 AWG | 2 | 3.00 | 1/2-13 | | | 2/0 Str. AWG | YGHA26-2N | 0.26 |
| | | | | | | | 4/0 Str. AWG | YGHA28-2N | 0.30 |
| YGIBS34-400-2N | 250 kcmil-500 kcmil | 1 | 6.00 | 1/2-13 | 250 kcmil | | YGHA29-2N | 0.34 0.40 | |
| YGIBW34-400-2N | 250 kcmil-500 kcmil | 2 | 6.00 | 1/2-13 | 500 kcmil | | YGHA34-2N | 0.34 0.40 | |
| YGIBS28-462-2N | 2 AWG-4/0 AWG | 1 | 3.00 | 1/2-13 | 0.400" - 0.462" | | #2 Str. AWG | YGHA2C-2N | 0.26 |
| | | | | | | | 1/0 Str. AWG | YGHA25-2N | 0.19 |
| YGIBW28-462-2N | 2 AWG-4/0 AWG | 2 | 3.00 | 1/2-13 | | | 2/0 Str. AWG | YGHA26-2N | 0.26 |
| | | | | | | | 4/0 Str. AWG | YGHA28-2N | 0.30 |
| YGIBS34-462-2N | 250 kcmil-500 kcmil | 1 | 6.00 | 1/2-13 | | 250 kcmil | YGHA29-2N | 0.34 0.40 | |
| YGIBW34-462-2N | 250 kcmil-500 kcmil | 2 | 6.00 | 1/2-13 | | 500 kcmil | YGHA34-2N | 0.34 0.40 | |
| YGIBS28-550-2N | 2 AWG-4/0 AWG | 1 | 3.00 | 1/2-13 | | 0.462" - 0.550" | #2 Str. AWG | YGHA2C-2N | 0.26 |
| | | | | | | | 1/0 Str. AWG | YGHA25-2N | 0.19 |
| YGIBW28-550-2N | 2 AWG-4/0 AWG | 2 | 3.00 | 1/2-13 | | | 2/0 Str. AWG | YGHA26-2N | 0.26 |
| | | | | | | | 4/0 Str. AWG | YGHA28-2N | 0.30 |
| YGIBS34-550-2N | 250 kcmil-500 kcmil | 1 | 6.00 | 1/2-13 | 250 kcmil | | YGHA29-2N | 0.34 0.40 | |
| YGIBW34-550-2N | 250 kcmil-500 kcmil | 2 | 6.00 | 1/2-13 | 500 kcmil | | YGHA34-2N | 0.34 0.40 | |
| YGIBS28-613-2N | 2 AWG-4/0 AWG | 1 | 3.00 | 1/2-13 | 0.550" - 0.613" | | #2 Str. AWG | YGHA2C-2N | 0.26 |
| | | | | | | | 1/0 Str. AWG | YGHA25-2N | 0.19 |
| YGIBW28-613-2N | 2 AWG-4/0 AWG | 2 | 3.00 | 1/2-13 | | | 2/0 Str. AWG | YGHA26-2N | 0.26 |
| | | | | | | | 4/0 Str. AWG | YGHA28-2N | 0.30 |
| YGIBW34-613-2N | 250 kcmil-500 kcmil | 2 | 6.00 | 1/2-13 | | 500 kcmil | YGHA34-2N | 0.34 0.40 | |
| YGIBS28-675-2N | 2 AWG-4/0 AWG | 1 | 3.00 | 1/2-13 | | 0.613" - 0.675" | #2 Str. AWG | YGHA2C-2N | 0.26 |
| | | | | | | | 1/0 Str. AWG | YGHA25-2N | 0.19 |
| YGIBW28-675-2N | 2 AWG-4/0 AWG | 2 | 3.00 | 1/2-13 | | | 2/0 Str. AWG | YGHA26-2N | 0.26 |
| | | | | | | | 4/0 Str. AWG | YGHA28-2N | 0.30 |
| YGIBS34-675-2N | 250 kcmil-500 kcmil | 1 | 6.00 | 1/2-13 | | | 250 kcmil 500 kcmil | YGHA29-2N | 0.34 0.40 |
| YGIBW34-675-2N | 250 kcmil-500 kcmil | 2 | 6.00 | 1/2-13 | 500 kcmil | | YGHA34-2N | 0.34 0.40 | |
| YGIBW28-750-2N | 2 AWG-4/0 AWG | 3 | 3.00 | 1/2-13 | 0.690" - 0.750" | | 4/0 Str. AWG | YGHA28-2N | 0.30 |
| YGIBW28-1000-2N | 2 AWG-4/0 AWG | 3 | 3.00 | 1/2-13 | 1.000" - 1.060" | | 2/0 Str. AWG | YGHA2C-2N | 0.26 |
| | | | | | | | 4/0 Str. AWG | YGHA28-2N | 0.30 |

VERSITAIL™ Type GSTUD-HY Structural Steel Grounding Connector

INSTALLATION

1. Weld the VERSITAIL™ to the steel member
2. Select the proper connector for your specific application

FOR COMPRESSION CONNECTORS

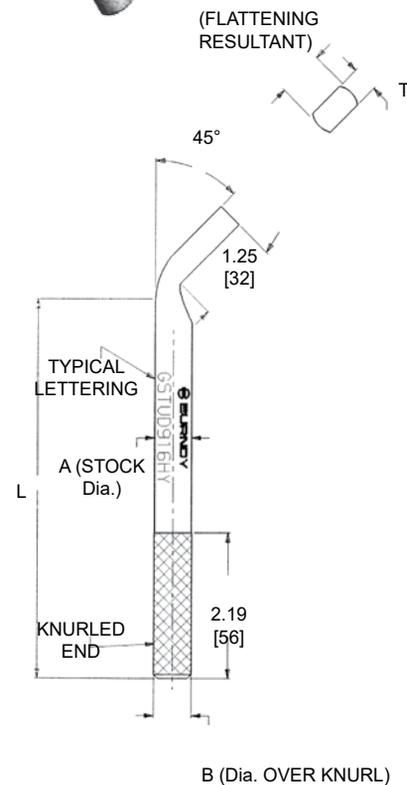
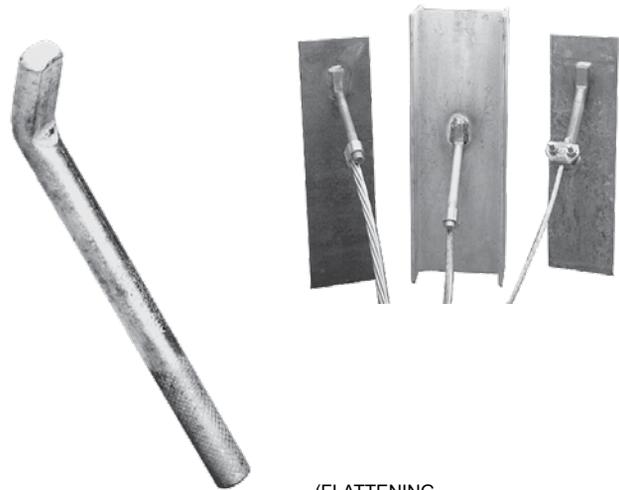
Select the proper HYGROUND® Type YGHP connector. Clean the conductor, join the VERSITAIL™ and the grounding conductor together with the recommended tool and die set, then crimp the connector over the knurled area of the VERSITAIL™ connector.

FOR MECHANICAL CONNECTORS

Select the properly sized BURNDY® mechanical connector. Clean the conductor, apply PENETROX™ E oxide inhibiting compound on the contact area for increased effectiveness and service life. Put the connector over the knurled area of the VERSITAIL™ connector and apply the recommended torque value for correct installation.

Features & Benefits

- The VERSITAIL™ may be welded to steel surfaces quickly and easily with normal construction equipment
- The VERSITAIL™ eliminates costly disk grinding and the need to expose virgin metal, the welding process burns through the oxidation and "scale" to establish excellent electrical grounding continuity
- The VERSITAIL™ may be installed by the welder in the field or at the steel fabricator based on customer preference
- The VERSITAIL™ pure copper coating over low carbon, hot rolled steel is compatible with standard welding processes, no toxic gasses are generated
- The VERSITAIL™ has a knurled surface, copper plated and specifically designed to ensure excellent mechanical gripping and electrical integrity for BURNDY® compression and mechanical connectors in all grounding applications
- The VERSITAIL™ may be installed in all weather conditions, eliminating costly construction delays
- Low installation cost
- No drilling
- No cleaning
- No special preparation
- Low carbon, hot rolled steel

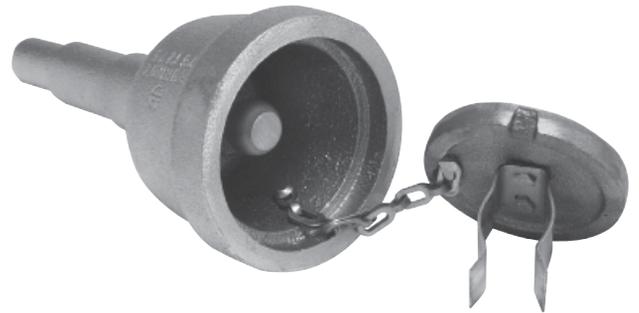


| Catalog Number | Nom Rod Size | A | B | L | T | Electrical Equivalent Copper Conductor Size (AWG)* |
|----------------|--------------|------|------|------|------|--|
| GSTUD14HY | 1/4" | 0.25 | 0.26 | 4.81 | 0.19 | #6 |
| GSTUD38HY | 3/8" | 0.38 | 0.39 | 5.81 | 0.25 | #3 |
| GSTUD916HY | 9/16" | 0.56 | 0.57 | 5.68 | 0.38 | 1/0 |
| GSTUD34HY | 3/4" | 0.75 | 0.76 | 5.81 | 0.51 | 4/0 |

* This is the equivalent rating for continuous service.
Large conductors may be connected using both compression and bolted connectors in potential ground fault applications.

Types YGT, YTTAG Static Grounding Receptacles

The types YGT and YTTAG static grounding receptacles are designed for static grounding of equipment. The receptacle is connector to the ground grid with HYGROUND® compression connectors and finished flush with surface to provide a permanent, corrosion proof, grounding point.



Type YGT
Static Grounding Receptacle
with Cover

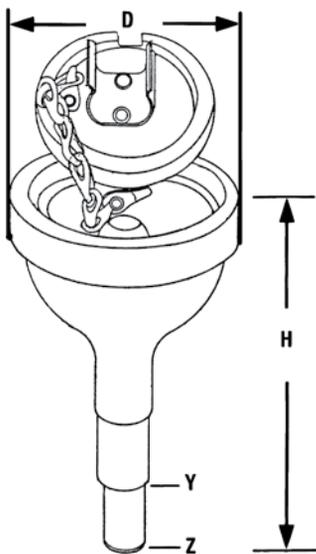


Fig. 1

Type YTTAG Combination
Static Grounding Receptacle
and Aircraft Tie Down Bar

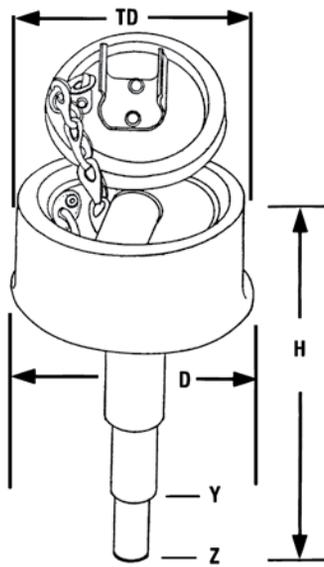


Fig. 2

| Catalog Number | Fig. # | HYGROUND® Connector | H | D | Y Dia | Z Dia | TD |
|----------------|--------|---|------|------|-------|-------|------|
| YGT275 | 1 | Select suitable YGHR, YGHP or YGLR for 3/4" ground rod and sized to ground conductor. | 5.50 | 2.75 | 0.75 | 0.56 | - |
| YTTAG388 | 2 | | 6.50 | 4.75 | 0.75 | 0.56 | 4.30 |

NOTES:

Install YGHR, YGHP or YGLR on Hub Y. Hub Z is inserted into 1/2" rigid conduit. The conduit is driven into the earth to provide support and provide correct level of receptacle prior to cement pour.

Type YG-B Connector for Structural Steel or Bus Bar

The BURNDY® YG-B series of compression connectors are ideally suited for bus bar, cell tower structures, structural steel, and steel infrastructure such as equipment supports, steel railings and ladders.

These high conductivity copper connectors allow attachment of a ground conductor to structural steel, rail or bus bar, with just one crimp using a BURNDY® 750-style HYPRESS™ head. The exclusive design allows the user to attach tap conductor(s) to 1/8" to 9/16" thick rail, bus bar, or flat steel.

Most connectors are suitable for 1 or 2 conductors for power or grounding and bonding applications. Prefilled with PENETROX™ compound with the addition of a grit material and strip sealed.

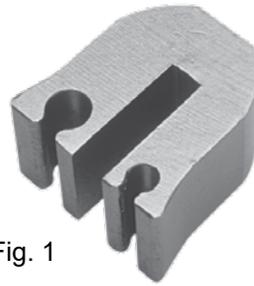


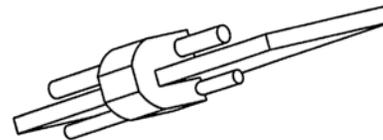
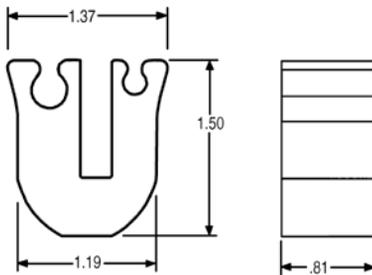
Fig. 1



Fig. 2



Fig. 3



| Catalog Number | Figure # | Steel / Bar Thickness | Tap Conductor(s) Accommodated | Tooling | Installation Die | # of Crimps |
|----------------|----------|-----------------------|--|-------------------------|------------------|-------------|
| YG14B2TC2C6C ① | 1 | 1/4" | #2 Sol. and/or Str. Copper #6 Sol. and/or Str. Copper | 750 Series | U1105 | 1 |
| YG14B2TC2C2C ② | 2 | 1/4" | #2 AWG - #2 AWG Copper | 750 Series | U1105 | 1 |
| YG14BTC28 ③ | 3 | 1/8" - 1/4" | 4/0 AWG Str. to 1/0 AWG Str. Copper | 750 Series | U1105 | 1 |
| YG916BTC26 ④ | 3 | 1/2" - 9/16" | 1/0 AWG Str. to 2/0 AWG Str. Copper | 750K Series <u>only</u> | K1107 | 1 |

For Tin Plating add the -TP suffix

- ① UL Listed, CSA Certified, Rated for Direct Burial; can accept 1 or 2 conductors
- ② U-shaped tap groove can only be used with #2 Solid wire; can accept 1 or 2 conductors; suitable for continuous uncut conductor applications
- ③ cULus listed, Rated for Direct Burial; can accept only 1 conductor
- ④ cULus listed, Rated for Direct Burial; can accept only 1 conductor; PAT750K style tool only may be used for installation

Type BFB

Industry-exclusive Compression Solution for Flexible Bus Bar Applications.

The BFB terminal lugs are an innovative compression solution for connecting the ends of flexible bus bar. Offering a faster, safer, and cleaner alternative to methods used today, these lugs are compatible with most sizes of flexible bus bar. Installed with the 750 Series of 12-ton crimp tools with specifically designed UBFB-style dies.

Typically used in panel boards, switchboards, transformers and similar applications, flexible bus bar is gaining popularity. After the flexible bus bar has been shaped and customized for the application at hand, it must be connected to the structure. Typical installation methods rely on drilling (time consuming with a risk of inaccuracy of customized stud holes), punching (which can distort the shape of the conductor), and welding (can be hazardous and requires specific training). Utilizing the new BFB terminal lugs requires No Drilling, No Punching, and No Welding for proper, inspectable installation.

Features & Benefits



- Industry Exclusive! Only offered by BURNDY®
- Eliminates the need to drill through copper sheets, ensuring a cleaner, faster installation
- Full inspectability with the BURNDY® Engineered System
- 1-hole and 2-hole options available to accommodate spacing requirements
- Most flexible bus bar sizes accommodated
- Locator lines on terminals provide for accurate and consistent crimping
- UL Recognized to UL67 for Panelboard Equipment

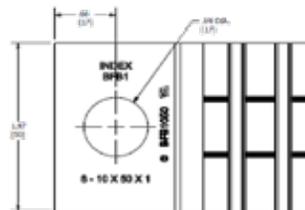


Figure 1

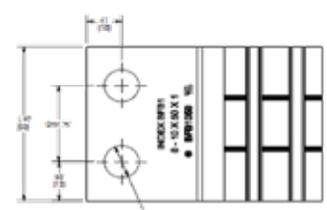
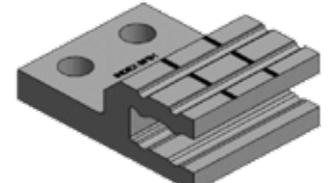
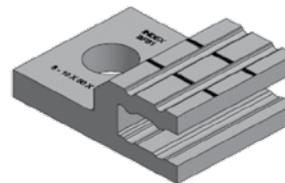


Figure 2



| Catalog Number | Figure | Flex Bar Accommodation | # holes | Stud Size | A Dimension (in) | Die Catalog Number with 750 Series tooling only (# Crimps) |
|-----------------|--------|--|---------|-----------|------------------|--|
| | | # sheets x sheet width (mm) x thickness (mm) | | | | |
| BFB620T12 | 1 | 4X20X1 - 6X20X1 | 1 | 1/2" | — | UBFB2024 (2) |
| BFB1020T12 | 1 | 8X20X1 - 10X20X1 | 1 | 1/2" | — | UBFB2024 (2) |
| BFB624T12 | 1 | 4X24X1 - 6X24X1 | 1 | 1/2" | — | UBFB2024 (2) |
| BFB1024T12 | 1 | 8X24X1 - 10X24X1 | 1 | 1/2" | — | UBFB2024 (2) |
| BFB632T12 | 1 | 4X32X1 - 6X32X1 | 1 | 1/2" | — | UBFB1 (2) |
| BFB1032T12 | 1 | 8X32X1 - 10X32X1 | 1 | 1/2" | — | UBFB1 (2) |
| BFB640T58 | 1 | 4X40X1 - 6X40X1 | 1 | 5/8" | — | UBFB1 (3) |
| BFB1040T58 | 1 | 8X40X1 - 10X40X1 | 1 | 5/8" | — | UBFB1 (3) |
| BFB650T58 | 1 | 4X50X1 - 6X50X1 | 1 | 5/8" | — | UBFB1 (3) |
| BFB1050T58 | 1 | 8X50X1 - 10X50X1 | 1 | 5/8" | — | UBFB1 (3) |
| BFB6402TH38E26 | 2 | 4X40X1 - 6X40X1 | 2 | 3/8" | 0.97 | UBFB1 (3) |
| BFB10402TH38E26 | 2 | 8X40X1 - 10X32X1 | 2 | 3/8" | 0.97 | UBFB1 (3) |
| BFB10402TH38E27 | 2 | 8X40X1 - 10X32X1 | 2 | 3/8" | 0.89 | UBFB1 (3) |
| BFB6502TH38E26 | 2 | 4X50X1 - 6X50X1 | 2 | 3/8" | 0.97 | UBFB1 (3) |
| BFB10502TH38E26 | 2 | 8X50X1 - 10X50X1 | 2 | 3/8" | 0.97 | UBFB1 (3) |
| BFB10502TH38E27 | 2 | 8X50X1 - 10X50X1 | 2 | 3/8" | 0.89 | UBFB1 (3) |

Compression Grounding

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Mechanical Grounding Connectors Overview

More than 60 years of technological innovation has made BURNDY® mechanical grounding connectors one of the most widely used and highly respected lines in the industry. There is virtually no grounding application challenge that this diversified line cannot help solve.

All BURNDY mechanical grounding connectors have been designed for easy installation and outstanding durability. Only the finest high copper alloys are used in their manufacture, ensuring top performance under the most extreme environmental conditions.

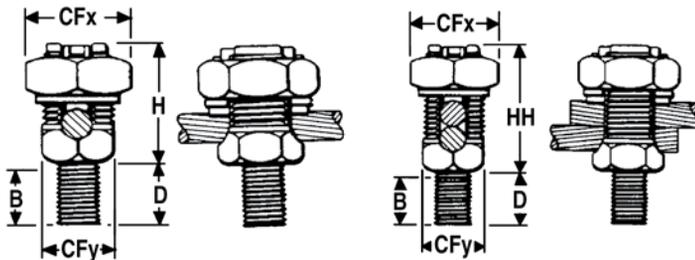
Types KC, K2C SERVIT POST™ Connectors for copper cable to flat

SERVIT POST™ connectors are used to ground one or two cables to steel structures, fence posts, and transformers amongst other things. Also these connectors can be used to tap one or two cables from bus bar. One-wrench installation.

- UL467 Listed for the US and Canadian markets.



KC



KC - 1 wire

K2C - 1 to 2 wires



| TYPE KC One Wire | TYPE K2C One or Two Wires | Stranded | Solid | Stud Diameter | B | CFx | CFy | D | H | HH |
|---------------------|------------------------------|-------------------|---------------|------------------|--------|---------|--------|-------|-------|-------|
| KC15 | K2C15 | 12 AWG-9 AWG | 12 AWG-8 AWG | 1/4-20 | 3/8 | 1/2 | 3/8 | 1/2 | 5/8 | 7/8 |
| KC15B1 | K2C15B1 | 12 AWG-9 AWG | 12 AWG-8 AWG | 1/4-20 | 7/8 | 1/2 | 3/8 | 1 | 5/8 | 7/8 |
| KC17 | K2C17 | 10 AWG-7 AWG | 10 AWG-6 AWG | 1/4-20 | 3/8 | 5/8 | 7/16 | 1/2 | 7/8 | 1 |
| KC17B1 | K2C17B1 | 10 AWG-7 AWG | 10 AWG-6 AWG | 1/4-20 | 7/8 | 5/8 | 7/16 | 1 | 7/8 | 1 |
| KC20 | K2C20 | 10 AWG-5 AWG | 10 AWG-4 AWG | 5/16-18 | 13/32 | 11/16 | 1/2 | 5/8 | 7/8 | 1-1/8 |
| KC20B1 | K2C20B1 | 10 AWG-5 AWG | 10 AWG-4 AWG | 5/16-18 | 27/32 | 11/16 | 1/2 | 1 | 7/8 | 1-1/8 |
| KC22 | K2C22 | 10 AWG-3 AWG | 10 AWG-2 AWG | 3/8-16 | 15/32 | 3/4 | 5/8 | 5/8 | 1 | 1-1/4 |
| KC22B1 | K2C22B1 | 10 AWG-3 AWG | 10 AWG-2 AWG | 3/8-16 | 31/32 | 3/4 | 5/8 | 1-1/8 | 1 | 1-1/4 |
| KC23 | K2C23 | 8 AWG-2 AWG | 10 AWG-1 AWG | 3/8-16 | 15/32 | 13/16 | 5/8 | 5/8 | 1 | 1-3/8 |
| KC23B1 | K2C23B1 | 8 AWG-2 AWG | 10 AWG-1 AWG | 3/8-16 | 31/32 | 13/16 | 5/8 | 1-1/8 | 1 | 1-3/8 |
| KC25 | K2C25 | 2 AWG-1/0 AWG | 2 AWG-2/0 AWG | 1/2-13 | 9/16 | 15/16 | 3/4 | 3/4 | 1-1/8 | 1-5/8 |
| KC25B1 | K2C25B1 | 2 AWG-1/0 AWG | 2 AWG-2/0 AWG | 1/2-13 | 1-1/16 | 15/16 | 3/4 | 1-1/4 | 1-1/8 | 1-5/8 |
| KC26 | K2C26 | 2 AWG-2/0 AWG | 2 AWG-3/0 AWG | 1/2-13 | 17/32 | 1 | 7/8 | 3/4 | 1-3/8 | 1-7/8 |
| KC26B1 | K2C26B1 | 2 AWG-2/0 AWG | 2 AWG-3/0 AWG | 1/2-13 | 1-1/16 | 1 | 7/8 | 1-1/4 | 1-3/8 | 1-7/8 |
| KC28 | K2C28 | 1 AWG-4/0 AWG | 1 AWG-4/0 AWG | 5/8-11 | 3/4 | 1-1/2 | 1-3/16 | 1 | 1-3/4 | 2-1/4 |
| KC28B1 | K2C28B1 | 1 AWG-4/0 AWG | 1 AWG-4/0 AWG | 5/8-11 | 1-1/4 | 1-1/2 | 1-3/16 | 1-1/2 | 1-3/4 | 2-1/4 |
| — | K2C28G3 | 1 AWG-4/0 AWG | 1 AWG-4/0 AWG | 1/2-13 | 1-1/4 | 1-1/2 | 1-3/16 | 1-1/2 | 1-3/4 | 2-1/4 |
| KC31 | K2C31 | 1 AWG-350 kcmil | N/A | 5/8-11 | 3/4 | 1-11/16 | 1-3/8 | 1 | 2-1/4 | 2-7/8 |
| KC31B1 | K2C31B1 | 1 AWG-350 kcmil | N/A | 5/8-11 | 1-1/4 | 1-11/16 | 1-3/8 | 1-1/2 | 2-1/4 | 2-7/8 |
| KC34 | K2C34 | 3/0 AWG-500 kcmil | N/A | 3/4-10 | 1 | 2 | 1-5/8 | 1-1/4 | 2-3/8 | 3-1/4 |
| KC34B1 | K2C34B1 | 3/0 AWG-500 kcmil | N/A | 3/4-10 | 1-1/2 | 2 | 1-5/8 | 1-3/4 | 2-3/8 | 3-1/4 |

Note:

Use KF or K2F designation for female SERVIT POST™

Add suffix -NSP to catalog numbers to have connector supplied with split lockwasher and nut

Type KCKF Bulkhead Ground Connector

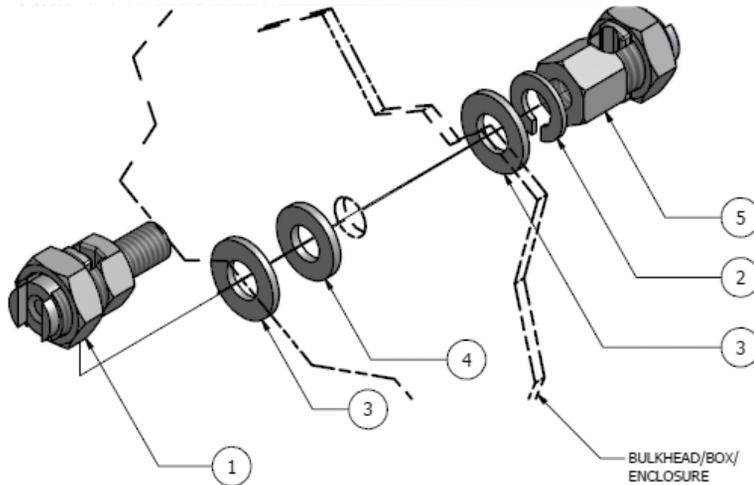
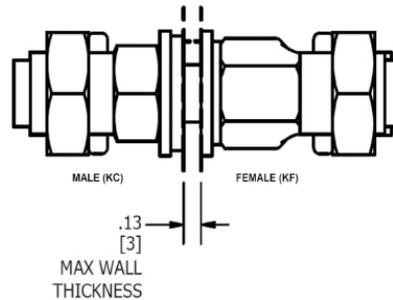
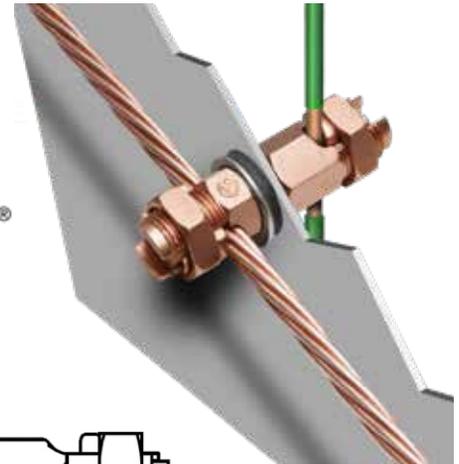
The "Bulkhead" connector is designed to allow a ground wire to be connected from the inside of a box or enclosure to the outside of a box or enclosure.

This new connector is supplied in kit form with a male SERVIT POST™, female SERVIT®, (2) stainless steel washers, split lock washer and sealing washer.

The available "Application Guideline" document helps describe the application with visuals and installation examples.

Features & Benefits

- Provides an easy way to connect ground wires "through" an enclosure wall
- Includes Male SERVIT POST™, Female SERVIT®, (2) Stainless Steel Washers, Split Lock Washer, Sealing Washer
- Split Lock Washer allows adjustment of conductor orientation
- Made of Silicon Bronze material (connectors) and Stainless Steel Hardware, Sealing Washer
- Meets NEMA 4X requirements when installed correctly
- Application Guideline document available
- Industry-proven split bolt/SERVIT POST™ technology
- UL467 Listed for the US and Canadian Markets



| | Qty | Description |
|---|-----|------------------------------------|
| 1 | 1 | Male Servit Post |
| 2 | 1 | Stainless Steel Split Lock Washer* |
| 3 | 2 | Stainless Steel Flat Washer* |
| 4 | 1 | Sealing Washer* |
| 5 | 1 | Female SERVIT® |

*One flat washer and sealing washer to be installed on outside of box or, where applicable, to side of wall exposed to atmospheric or contaminated conditions. Remaining hardware to be mounted to opposite side of the wall as shown.

| Catalog Number | ACCOMMODATES | | | NUT TORQUE IN-LBS [N-M] | MAX. THRU HOLE |
|----------------|------------------------|------------------------|--|----------------------------|----------------|
| | AWG | | METRIC | | |
| | STRANDED | SOLID | STRANDED | | |
| KCKF23 | #8 (.146) - #2 (.292) | #10 (.102) - #1 (.289) | 10mm ² (4.1) - 35mm ² (6.5) | 275 [31.1] | 7/16 |
| KCKF25 | #2 (.292) - 1/0 (.373) | #2 (.258) - 2/0 (.365) | 35mm ² (6.5) - 50mm ² (9.3) | 385 [43.5] | 9/16 |
| KCKF28 | #1 (.332) - 4/0 (.528) | #1 (.289) - 4/0 (.460) | 50mm ² (9.3) - 95mm ² (12.8) | 500 [56.5] | 1 1/16 |

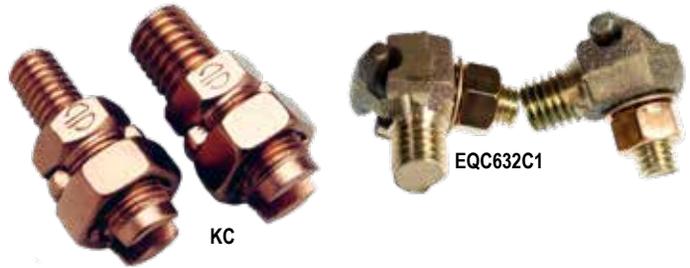
Notes:

- Dimensions in () are cable diameters.
- Diameters of AWG wires are in inches.
- Diameters for metric wires are given in mm.

Types KC-J12, EQC632C1

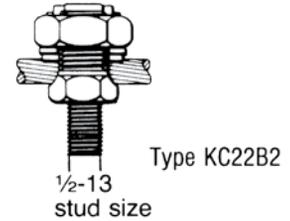
Transformer Ground Connectors for Copper

Equipment grounding connection point that installs within an equipment ground nut. Fits all standard EEI-NEMA distribution transformers as tank grounding terminal.



EQC632C1

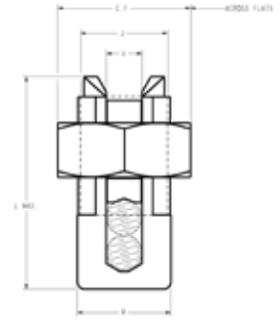
| Catalog Number | Ranges | Stud Size |
|----------------|-------------------|-----------|
| KC22J12T13 | 8 Sol. - 2 Sol. | 1/2"-13 |
| KC26 | 2 Sol. - 2/0 Str. | 1/2"-13 |
| KC34J12T13 | 3/0 - 500 Str. | 1/2"-13 |
| EQC632C1 | 8 Sol. - 2 Str. | 1/2"-13 |



Type KS SERVIT® Split Bolt Connector for Copper

Compact, high strength, high copper alloy SERVIT® split bolt has free-running threads and easy to grip wrench flats. Highly resistant to season cracking and corrosion, the SERVIT® connectors provide maximum pressure and assure a secure connection on all combinations of run and tap conductors.

- Rated for Direct Burial in earth or concrete
- UL467 Listed



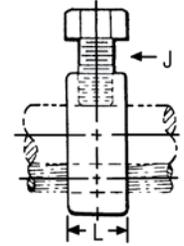
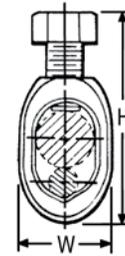
| Catalog Number | Cross Flats | L | W | Copper Conductor Range | Rebar with (1) #8 Sol. Cu | Recommended Tightening Torque (in-lb) |
|----------------|-------------|------|------|------------------------|---------------------------|---------------------------------------|
| KS15 | 0.50 | 0.85 | 0.38 | 10 - 8 Str. | — | 80 |
| KS17 | 0.63 | 1.14 | 0.45 | 8 Str. - 6 Sol. | — | 165 |
| KS20 | 0.69 | 1.20 | 0.51 | 8 Str. - 4 Sol. | — | 165 |
| KS22 | 0.75 | 1.50 | 0.60 | 6 Str. - 2 Sol. | — | 275 |
| KS23 | 0.82 | 1.54 | 0.62 | 6 Str. - 2 Str. | — | 275 |
| KS25 | 0.94 | 1.77 | 0.73 | 4 Str. - 1/0 Str. | — | 385 |
| KS26 | 1.05 | 1.94 | 0.82 | 2 Str. - 2/0 Str. | #3 (3/8") | 385 |
| KS27 | 1.36 | 1.86 | 1.17 | 1 Str. - 3/0 Str. | — | 500 |
| KS29 | 1.36 | 2.07 | 1.17 | 1 Str. - 250 | #4 (1/2") | 650 |
| KS31 | 1.70 | 2.51 | 1.41 | 1/0 Str. - 350 | #5 (5/8") | 650 |
| KS34 | 1.82 | 2.79 | 1.48 | 2/0 Str. - 500 | #6 (3/4") | 825 |

Type GRC

High Strength Ground Rod Clamp for Copper Cable to Rod

High copper alloy ground connector for joining a range of cable to copper clad, galvanized steel, and stainless steel ground rods. Slips over end of rod, one-wrench installation. UL467 Listed for direct burial in earth and concrete.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



| Catalog Number | Drive Rod | Conductor Range | | H | W | L | J |
|----------------|-----------|-----------------|----------|------|------|------|-----|
| | | Min. | Max. | | | | |
| GRC12 | 1/2 | 10 Sol. | 2 Str. | 2.00 | 0.89 | 0.63 | 3/8 |
| GRC58 | 5/8 | 10 Sol. | 1 Str. | 2.19 | 0.95 | 0.63 | 3/8 |
| GRC34 | 3/4 | 8 Sol. | 1/0 Str. | 2.47 | 1.09 | 0.65 | 3/8 |

Type GCRT1/0

Ground Clamp Range Taking up to 1/0

The GCRT1/0 is a range taking ground rod clamp offering another choice from the BURNDY® family of connectors. The GCRT1/0 works on 1/2", 5/8" and 3/4" ground rods, #4-#5 rebar with a wire range of #10 through 1/0. High copper alloy, stainless steel bolt.



Features & Benefits

- Range taking design helps reduce inventory needs
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- High copper alloy, stainless steel bolt



| Catalog Number | Drive Rod | Rebar | Conductor Range | H | W | L | J |
|----------------|---------------|---------|-----------------|------|------|------|------|
| GCRT1/0 | 1/2, 5/8, 3/4 | #4 - #5 | #10 - 1/0 | 2.75 | 1.04 | 0.56 | 7/16 |

Type GRL

Light Duty Economical Ground Rod Clamp

UL467 Listed; Acceptable for direct burial in earth or concrete.

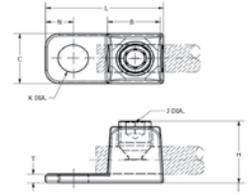


| Catalog Number | Rod Size | Conductor Range | |
|----------------|----------|-----------------|---------|
| | | Minimum | Maximum |
| GRL3 | 3/8 in | 10 AWG | 4 AWG |
| GRL4 | 1/2 in | 10 AWG | 2 AWG |
| GRL5 | 5/8 in | 10 AWG | 2 AWG |
| GRL6 | 3/4 in | 10 AWG | 2 AWG |

Type GKA Connector for Copper

Mechanical connector for grounding and bonding termination applications. One-piece body construction provides mechanical integrity in an underground environment. Supplied with stainless steel headless screw, the GKA25SB and GKA28SB have silicon bronze hardware.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



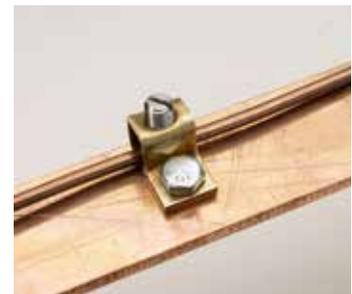
| Catalog Number | Cable Range | B | C | H | J Dia. | K | L |
|----------------|---------------|------|------|------|----------------|------|------|
| GKA8C* | 10 AWG-8 AWG | 0.31 | 0.38 | 0.58 | #12-24 (Slot) | 0.21 | 0.81 |
| GKA4C* | 14 AWG-4 AWG | 0.46 | 0.54 | 0.71 | 5/16-24 (Slot) | 0.28 | 1.13 |
| GKA25 | 4 AWG-1/0 AWG | 0.69 | 0.75 | 0.94 | 1/2-20 (Hex) | 0.42 | 1.69 |
| GKA28 | 1 AWG-4/0 AWG | 0.81 | 0.94 | 1.25 | 5/8-18 (Hex) | 0.42 | 1.94 |
| GKA25SB | 4 AWG-1/0 AWG | 0.69 | 0.75 | 0.94 | 1/2-20 (Hex) | 0.42 | 1.69 |
| GKA28SB | 1 AWG-4/0 AWG | 0.81 | 0.94 | 1.25 | 5/8-18 (Hex) | 0.42 | 1.94 |

* GKA8C, GKA4C are cULus Listed.

Type KPB Connector for Copper

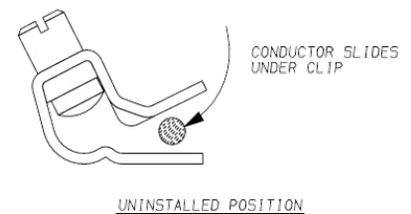
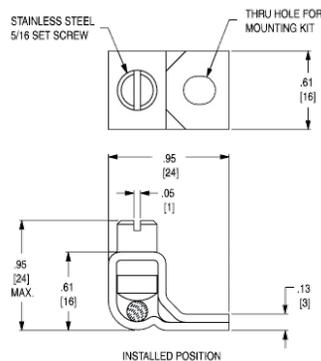
Mechanical connector for continuous run grounding and bonding applications. This exclusive BURNDY® design accommodates #10 - #4 copper where continuous conductor runs are preferable.

- Rated for Direct Burial in earth or concrete
- UL467 and UL486 Listed



| Catalog Number | Copper Cable Range | Stud Hole |
|----------------------|--------------------|-----------|
| KPB4CG1 ^① | 10 AWG-4 AWG | #10 |

① Can be assembled with optional TMH322SS stainless steel hardware kit, ordered separately.

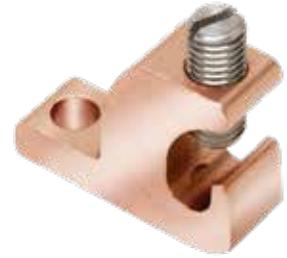


Types CL50-1, CL50-1TN

Copper Lay-in QIKLUG™ for Copper

The Lay-In QIKLUG™ is manufactured from high strength pure electrolytic copper to ensure maximum strength and conductivity. The open-faced design allows for fast lay-in of the conductor without the need for cutting or breaking. Stainless steel screws used for excellent corrosion resistance.

- Rated for Direct Burial in earth or concrete
- UL467 and UL2703* Listed for the US and Canadian Markets



| Catalog Number | Conductor Range | Stud Hole | Recommended Torque by Wire Size | |
|----------------|-----------------|-----------|---------------------------------|----------|
| CL50-1 | 14 AWG-4 AWG | #10 | | |
| CL50-1TN* | 14 AWG-4 AWG | #10 | 14-10 AWG | 20 in-lb |
| CL50-1TN BULK* | 14 AWG-4 AWG | #10 | 8 AWG | 25 in-lb |
| CL501TNMHWSST† | 14 AWG-4 AWG | #10 | 6-4 AWG | 35 in-lb |
| CL501TNMHWSST‡ | 14 AWG-4 AWG | #10 | | |

* CL501-TN & CL50-1TNBULK Listed to both UL2703 for Solar Applications and UL467 for direct burial.
† Stainless Steel Mounting Hardware; Hex Head Self Tapping Screw and Washer
‡ Stainless Steel Mounting Hardware; Slotted Hex Head Machine Screw, Washer, Nut

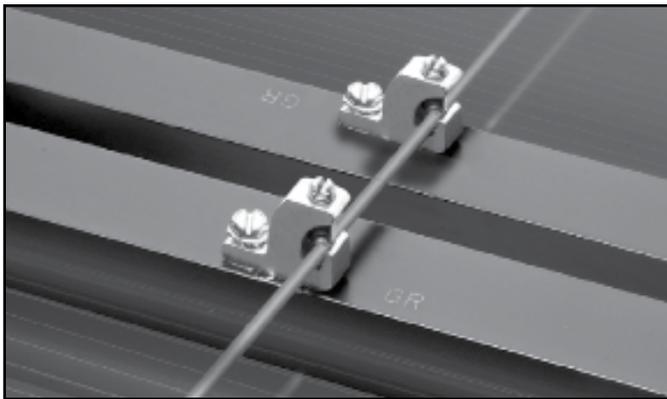
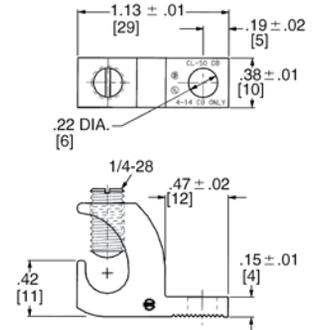
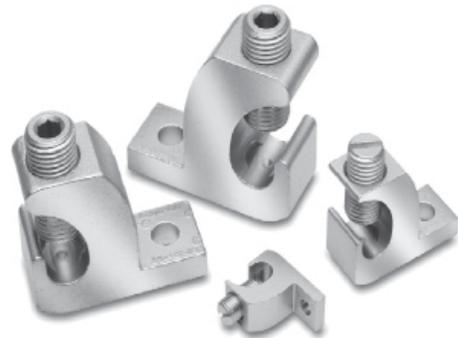


Photo above shows a typical solar panel installation using CL50-1TN connectors.



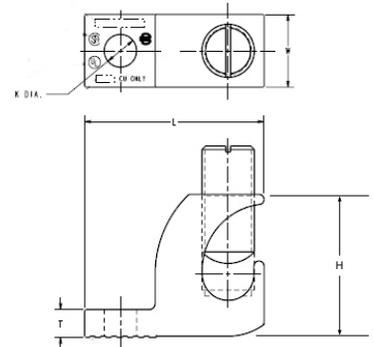
Type CL

Copper Lay-in QIKLUG™ for Copper

Manufactured for maximum strength and conductivity, these lay-in lugs allow for continuous runs of conductor and are well suited as terminations as well. Tin-plated, set screw style connectors, three sizes cover a range from #14 AWG to 250 kcmil.

CL3/0-516TN and CL250-516TN are UL 486A-B Wire Connectors and CSA Certified. CL1/0-14TN UL Listed for grounding and CSA Certified. 90° C rated. Suitable for copper conductors only.

| Catalog Number | Wire Range Copper | H | W | L | T | K Dia. | Hex Size |
|----------------|--------------------|------|------|------|------|--------|--------------------|
| CL1/0-14TN | #14 - 1/0 AWG | 1.17 | 0.60 | 1.50 | 0.22 | 0.27 | 7/16-20 (Slotted) |
| CL3/0-516TN | #6 - 3/0 AWG | 1.56 | 0.80 | 2.00 | 0.30 | 0.33 | 9/16-18 (0.25 Hex) |
| CL250-516TN | #6 AWG - 250 kcmil | 1.79 | 0.80 | 2.20 | 0.30 | 0.33 | 9/16-18 (0.25 Hex) |

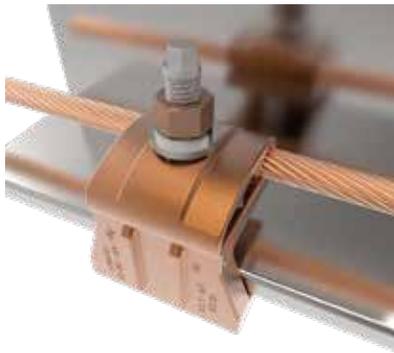


Type GCS-HEX; The CONSTRUCTOR® Ground Connector to Steel

The Type GCS-HEX series of connectors are used to ground cable to steel, I-beam, or other flanged surfaces, in applications where drilling is either not possible or unwanted. Installation of the GCS-HEX type connectors requires no power tools and is suitable for applications where a removable connection is desired. The CONSTRUCTOR® GCS-HEX series of grounding connectors are UL Listed for Grounding and Bonding and Direct Burial Rated for installation in earth and concrete.

Features & Benefits

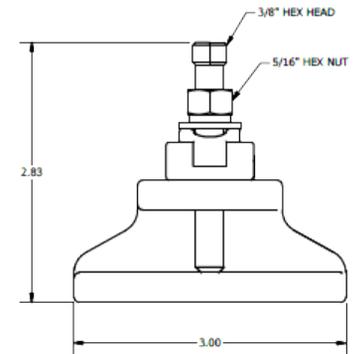
- ★ Easy and simple hex tooling installation
- ★ No hot work permit or drilling required
- Versatile; allows parallel or perpendicular conductor orientation
- Accepts beam thickness .125 - 1.000" (1/8 to 1")
- Conductor range from #6 AWG to 500 kcmil
- UL467 Listed
- Rated for Direct Burial in earth or concrete



Parallel Configuration



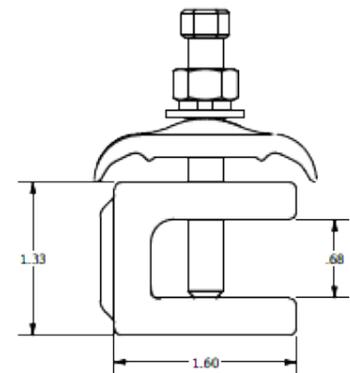
Perpendicular Configuration



Line Art dimensions shown are GCS26HEX connector

| Catalog Number | Accommodates | | Installation Torque | | Installation Tooling | |
|----------------|-----------------------|----------------|---------------------|-----------|----------------------|-------|
| | Copper Conductor Size | Beam Thickness | Scerw | Nut | Screw | Nut |
| GCS26HEX* | #6 - 2/0 AWG | 1/8" to 5/8" | 100 in-lb | 180 in-lb | 3/8" | 1/2" |
| GCS29HEX | #2 - 250 kcmil | 1/4" to 1" | 180 in-lb | 240 in-lb | 3/8" | 9/16" |
| GCS34HEX | 250 - 500 kcmil | 1/2" to 1" | 180 in-lb | 480 in-lb | 3/8" | 3/4" |

* GCS26HEX only cULus



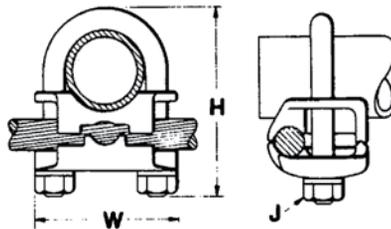
Type GAR

For Parallel or 90° Copper Cable Connection to Rod or Pipe with the same connector

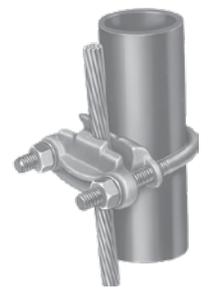
High copper alloy ground connector for joining a range of cable, parallel, or at right angles, to rod or tube. Especially good for fence posts. High copper alloy cast body with DURIMUM™ Silicon Bronze U-bolts, nuts, and lockwashers, permit entire connection to be buried in earth or concrete without danger of corrosion.

Features & Benefits

- Wire to Rebar
- Fence Post Grounding Connector
- Wire to Pipe
- One-wrench installation
- Rated for Direct Burial in earth or concrete
- UL467 Listed for US and Canadian Markets



Wire at Right Angle to Pipe



Wire Parallel to Pipe

| Catalog Number | Conductor | | | | H | J | W |
|----------------|--------------|------------------------|------------|-------------------|-------|-----|-------|
| | Tube I.P.S.* | Rod Size or O.D. Range | Rebar Size | Cable Range | | | |
| GAR114C | 1/4 | 1/2 | — | 8 Sol. - 4 Str. | 2-1/2 | 3/8 | 1-7/8 |
| GAR1126 | 1/4 | 1/2 | — | 4 Sol. - 2/0 Str. | 2-1/2 | 3/8 | 1-7/8 |
| GAR1129 | 1/4 | 1/2 | — | 2/0 Sol. - 250 | 2-1/2 | 3/8 | 1-7/8 |
| GAR644C | 3/8 | 5/8 - 3/4 | 5 - 6 | 8 Sol. - 4 Str. | 2-7/8 | 3/8 | 2-1/8 |
| GAR6426 | 3/8 | 5/8 - 3/4 | 5 - 6 | 4 Sol. - 2/0 Str. | 2-7/8 | 3/8 | 2-1/8 |
| GAR6429 | 3/8 | 5/8 - 3/4 | 5 - 6 | 2/0 Sol. - 250 | 2-7/8 | 3/8 | 2-1/8 |
| GAR6434 | 3/8 | 5/8 - 3/4 | 5 - 6 | 300-500 | 3-1/2 | 1/2 | 2-1/2 |
| GAR144C | 1/2-3/4 | 7/8 - 1 | 7 - 8 | 8 Sol. - 4 Str. | 2-3/4 | 3/8 | 2-3/8 |
| GAR1426 | 1/2-3/4 | 7/8 - 1 | 7 - 8 | 4 Sol. - 2/0 Str. | 3 | 3/8 | 2-3/8 |
| GAR1429 | 1/2-3/4 | 7/8 - 1 | 7 - 8 | 2/0 Sol. - 250 | 3 | 3/8 | 2-3/8 |
| GAR1434 | 1/2-3/4 | 7/8 - 1 | 7 - 8 | 300-500 | 3-3/4 | 1/2 | 2-3/4 |
| GAR154C | 1 | 1-1/8 - 1-1/4 | 9 - 10 | 8 Sol. - 4 Str. | 2-7/8 | 3/8 | 2-5/8 |
| GAR1526 | 1 | 1-1/8 - 1-1/4 | 9 - 10 | 4 Sol. - 2/0 Str. | 2-7/8 | 3/8 | 2-5/8 |
| GAR1529 | 1 | 1-1/8 - 1-1/4 | 8 - 9 | 2/0 Sol. - 250 | 3-3/8 | 3/8 | 2-5/8 |
| GAR1534 | 1 | 1-1/8 - 1-1/4 | 9 - 10 | 300-500 | 4-1/2 | 1/2 | 2-5/8 |
| GAR164C | 1-1/4 | 1-3/8 - 1-1/2 | 11 | 8 Sol. - 4 Str. | 3-1/2 | 3/8 | 3 |
| GAR1626 | 1-1/4 | 1-3/8 - 1-1/2 | 11 | 4 Sol. - 2/0 Str. | 3-1/2 | 3/8 | 3 |
| GAR1629 | 1-1/4 | 1-3/8 - 1-1/2 | 11 | 2/0 Sol. - 250 | 3-1/2 | 3/8 | 3 |
| GAR1634 | 1-1/4 | 1-3/8 - 1-1/2 | 11 | 300-500 | 4-1/4 | 1/2 | 3-3/8 |

* This is the "Trade" Pipe Size reference.

Mechanical Grounding

Parallel or 90° Copper Cable Connection to Rod or Pipe with Same Connector; Type GAR

Type GAR (Continued)



| Catalog Number | Conductor | | | | H | J | W |
|----------------|--------------|------------|------------------------|-------------------|---------|-----|-------|
| | Tube I.P.S.* | Rebar Size | Rod Size or O.D. Range | Cable Range | | | |
| GAR174C | 1-1/2 | — | 1-5/8 - 1-7/8 | 8 Sol. - 4 Str. | 4 | 3/8 | 3-1/4 |
| GAR1726 | 1-1/2 | — | 1-5/8 - 1-7/8 | 4 Sol. - 2/0 Str. | 4 | 3/8 | 3-1/4 |
| GAR1729 | 1-1/2 | — | 1-5/8 - 1-7/8 | 2/0 Sol. - 250 | 4 | 3/8 | 3-1/4 |
| GAR1734 | 1-1/2 | — | 1-5/8 - 1-7/8 | 300 - 500 | 4-5/8 | 1/2 | 2-5/8 |
| GAR184C | 2 | — | 2 - 2-3/8 | 8 Sol. - 4 Str. | 4-1/4 | 3/8 | 3-3/4 |
| GAR1826 | 2 | — | 2 - 2-3/8 | 4 Sol. - 2/0 Str. | 4-1/4 | 3/8 | 3-3/4 |
| GAR1829 | 2 | — | 2 - 2-3/8 | 2/0 Sol. - 250 | 4-1/2 | 3/8 | 3-3/4 |
| GAR1834 | 2 | — | 2 - 2-3/8 | 300 - 500 | 5-1/4 | 1/2 | 4-1/8 |
| GAR194C | 2-1/2 | — | 2-1/2 - 2-7/8 | 8 Sol. - 4 Str. | 5 | 3/8 | 4-1/4 |
| GAR1926 | 2-1/2 | — | 2-1/2 - 2-7/8 | 4 Sol. - 2/0 Str. | 5 | 3/8 | 4-1/4 |
| GAR1929 | 2-1/2 | — | 2-1/2 - 2-7/8 | 2/0 Sol. - 250 | 5 | 3/8 | 4-1/4 |
| GAR1934 | 2-1/2 | — | 2-1/2 - 2-7/8 | 300 - 500 | 5-5/8 | 1/2 | 4-5/8 |
| GAR204C | 3 | — | 3 - 3-1/2 | 8 Sol. - 4 Str. | 5-5/8 | 3/8 | 4-3/4 |
| GAR2026 | 3 | — | 3 - 3-1/2 | 4 Sol. - 2/0 Str. | 5-5/8 | 3/8 | 4-3/4 |
| GAR2029 | 3 | — | 3 - 3-1/2 | 2/0 Sol. - 250 | 5-5/8 | 3/8 | 4-3/4 |
| GAR2034 | 3 | — | 3 - 3-1/2 | 300 - 500 | 6-3/8 | 1/2 | 5-1/4 |
| GAR214C | 3-1/2 | — | 3-1/2 - 4 | 8 Sol. - 4 Str. | 6-1/4 | 3/8 | 5-3/8 |
| GAR2126 | 3-1/2 | — | 3-1/2 - 4 | 4 Sol. - 2/0 Str. | 6-1/4 | 3/8 | 5-3/8 |
| GAR2129 | 3-1/2 | — | 3-1/2 - 4 | 2/0 Sol. - 250 | 6-1/4 | 3/8 | 5-3/8 |
| GAR2134 | 3-1/2 | — | 3-1/2 - 4 | 300 - 500 | 6-3/4 | 1/2 | 5-3/4 |
| GAR224C | 4 | — | 4 - 4-1/2 | 8 Sol. - 4 Str. | 6-3/8 | 3/8 | 5-7/8 |
| GAR2226 | 4 | — | 4 - 4-1/2 | 4 Sol. - 2/0 Str. | 6-3/8 | 3/8 | 5-7/8 |
| GAR2229 | 4 | — | 4 - 4-1/2 | 2/0 Sol. - 250 | 6-3/8 | 3/8 | 5-7/8 |
| GAR2234 | 4 | — | 4 - 4-1/2 | 300 - 500 | 6-7/8 | 1/2 | 6-1/4 |
| GAR244C | 5 | — | — | 8 Sol. - 4 Str. | 7-3/4 | 3/8 | 6-7/8 |
| GAR2426 | 5 | — | — | 4 Sol. - 2/0 Str. | 7-3/4 | 3/8 | 6-7/8 |
| GAR2429 | 5 | — | — | 2/0 Sol. - 250 | 7-3/4 | 3/8 | 7-1/4 |
| GAR2434 | 5 | — | — | 300 - 500 | 8-5/8 | 1/2 | 7-1/4 |
| GAR8629 | 6 | — | — | 2/0 Sol. - 250 | 8-13/16 | 1/2 | 8-3/8 |
| GAR8634 | 6 | — | — | 300 - 500 | 8-13/16 | 1/2 | 8-3/8 |

* This is the "Trade" Pipe Size reference.

NOTE:

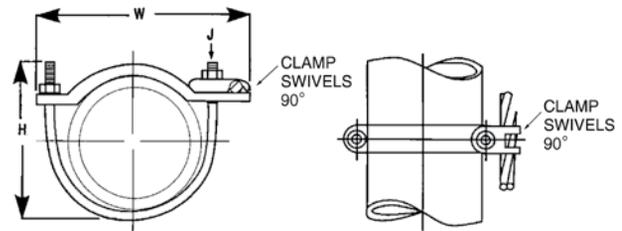
Contact BURNDY® for additional pipe and wire size combinations not shown.

Types GAR-BU, GAR3902
Ground Connectors

Type GAR-BU is a high-conductivity copper ground connector for connecting a small to medium range copper ground conductor to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for industrial construction and maintenance work as well as cathodic protection. Cable clamp swivels to permit parallel grounding of one pipe or 90° degree cable run for grounding several parallel pipes. Single wrench installation. UL467 Listed and CSA Certified.

Features & Benefits

- Cable clamp swivels at 90°; permits parallel grounding of one pipe on a 90° cable run for grounding several parallel pipes
- One-wrench installation for simplified installation
- DURIMUM™ silicon bronze hardware (-BU Series)* provides long lasting corrosion resistance and acceptable for direct burial in earth of concrete
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets; provides quality assurance to recognized industry NEC standards from an independent party



| Catalog Number | Cable Range | IPS Size ** | O.D. Range | H | J | W | Recommended Tightening Torque |
|---------------------|-------------|-------------|-------------|-------|-----------|-------|-------------------------------|
| GAR3902-BU ① | #4- 4/0 AWG | 1/2-1 | 0.84 - 1.32 | 3.50 | 3/8" - 16 | 3.25 | 240 in. - lbs. |
| GAR3903-BU ① | #4- 4/0 AWG | 1 1/4-2 | 1.66 - 2.38 | 4.00 | 3/8" - 16 | 4.25 | 240 in. - lbs. |
| GAR3904-BU ① | #4- 4/0 AWG | 2 1/2-3 1/2 | 2.88 - 4.00 | 6.50 | 3/8" - 16 | 6.00 | 240 in. - lbs. |
| GAR3905-BU ① | #4- 4/0 AWG | 4-5 | 4.50 - 5.56 | 7.50 | 3/8" - 16 | 7.50 | 240 in. - lbs. |
| GAR3906-BU ① | #4- 4/0 AWG | 6 | 6.62 | 8.50 | 3/8" - 16 | 8.62 | 240 in. - lbs. |
| GAR3907-BU ① | #4- 4/0 AWG | 8 | 8.62 | 10.00 | 3/8" - 16 | 10.62 | 240 in. - lbs. |
| GAR3908-BU ① | #4- 4/0 AWG | 10 | 10.75 | 12.00 | 3/8" - 16 | 12.75 | 240 in. - lbs. |
| GAR3909-BU ① | #4- 4/0 AWG | 12 | 12.75 | 14.00 | 3/8" - 16 | 14.75 | 240 in. - lbs. |
| GAR3902 ② | #4- 4/0 AWG | 1/2-1 | 0.84 - 1.32 | 3.50 | 3/8" - 16 | 3.25 | 240 in. - lbs. |
| GAR3903 ② | #4- 4/0 AWG | 1 1/4-2 | 1.66 - 2.38 | 4.00 | 3/8" - 16 | 4.25 | 240 in. - lbs. |
| GAR3904 ② | #4- 4/0 AWG | 2 1/2-3 1/2 | 2.88 - 4.00 | 6.50 | 3/8" - 16 | 6.00 | 240 in. - lbs. |
| GAR3905 ② | #4- 4/0 AWG | 4-5 | 4.50 - 5.56 | 7.50 | 3/8" - 16 | 7.50 | 240 in. - lbs. |
| GAR3906 ② | #4- 4/0 AWG | 6 | 6.62 | 8.50 | 3/8" - 16 | 8.62 | 240 in. - lbs. |
| GAR3907 ② | #4- 4/0 AWG | 8 | 8.62 | 10.00 | 3/8" - 16 | 10.62 | 240 in. - lbs. |
| GAR3908 ② | #4- 4/0 AWG | 10 | 10.75 | 12.00 | 3/8" - 16 | 12.75 | 240 in. - lbs. |
| GAR3909 ② | #4- 4/0 AWG | 12 | 12.75 | 14.00 | 3/8" - 16 | 14.75 | 240 in. - lbs. |

① Type GAR-BU is supplied with DURIMUM™ silicon bronze hardware and is Listed for direct burial
② Standard Type GAR-3900 series supplied with galvanized U-bolt and hardware

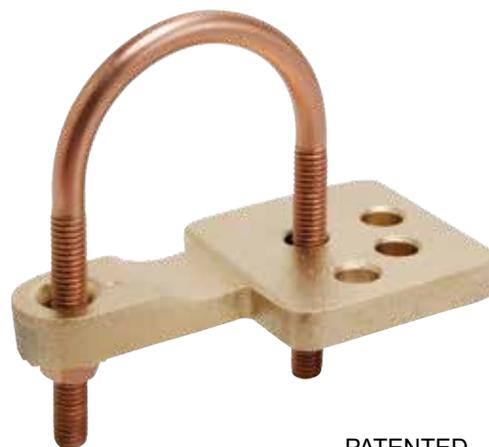
** Refer to Section O for tube dimensions.

Type GAR-TC Water Pipe Ground Connector

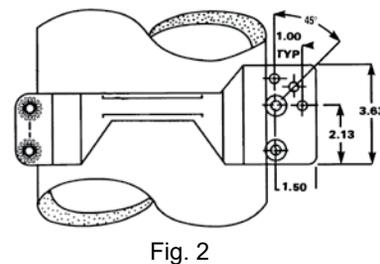
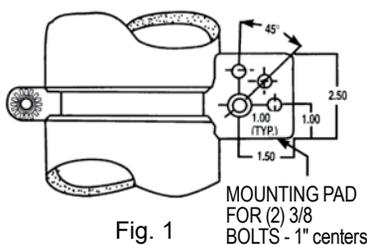
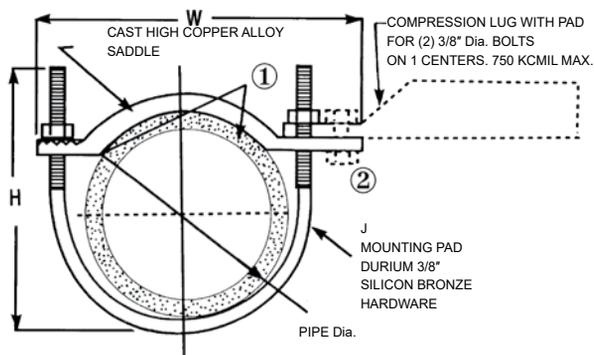
Type GAR-TC is a high-conductivity copper ground connector that features a pre-drilled pad, allowing a 2-hole compression terminal to be directly connected to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for industrial construction and maintenance work as well as telecommunications grounding. Terminal may be mounted parallel, 45° or 90° degrees to the pipe. Acceptable for direct burial.

Features & Benefits

- Large, smooth connector contact area between pipe and ground clamp to maximize contact area between connector and pipe
- Type GAR-TC mounting pad permits parallel, 45°, or 90° angle connections to pipe for maximum flexibility for field installation
- Pre-drilled pad for (2) 3/8" bolts on 1" centers to allow for direct mounting of 2-hole compression terminals up to 750 kcmil to pipe
- DURIMUM™ silicon bronze hardware for long lasting corrosion resistance; acceptable for direct burial in earth or concrete
- One-wrench installation
- UL467 Listed for the US and Canadian Markets; provides quality assurance to recognized industry NEC standards from an independent party; Type GAR-TC is acceptable for Direct Burial in earth or concrete



PATENTED



| Catalog Number | Figure # | Accommodates | | H | J | W | Recommended Torque |
|----------------|----------|--------------|-------------|-------|-----|-------|--------------------|
| | | I.P.S. ** | O.D. Size | | | | |
| GAR3902TC | 1 | 1/2-1 | 0.84 - 1.32 | 3.50 | 3/8 | 3.75 | 240 |
| GAR3903TC | 1 | 1 1/4-2 | 1.66 - 2.38 | 4.00 | 3/8 | 4.75 | 240 |
| GAR3904TC | 1 | 2 1/2-3 1/2 | 2.88 - 4.00 | 6.50 | 3/8 | 6.50 | 240 |
| GAR3905TC | 1 | 4-5 | 4.50 - 5.56 | 7.50 | 3/8 | 8.00 | 240 |
| GAR3906TC | 1 | 6 | 6.62 | 8.50 | 3/8 | 9.12 | 240 |
| GAR3907TC | 2 | 8 | 8.62 | 10.00 | 3/8 | 11.25 | 240 |
| GAR3908TC | 2 | 10 | 10.75 | 12.00 | 3/8 | 13.25 | 240 |
| GAR3909TC | 2 | 12 | 12.75 | 14.00 | 3/8 | 15.25 | 240 |

NOTES:

** Refer to Section O for tube dimensions.

① Add suffix "-TNET" for electro-tin plated connector and electro-tin plated

DURIMUM™ silicon bronze hardware. Tin plated catalog number includes mounting hardware for second bolt hole.

② OPTIONAL MOUNTING HARDWARE

TMH-289 includes (1) 38X125HEB bolt, (1) 38CHEN nut, (1) 38SW split washer and (2) 38FW flat washers, ordered separately.

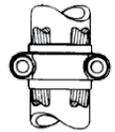
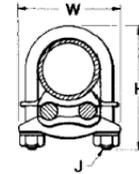
Clean pipe surface beneath saddle until virgin metal is exposed, install GAR-TC ground connector and for maximum conductivity, apply PENETROX™ E oxide inhibiting compound around perimeter of saddle.

Type GD Two Copper Cables to Rod or Tube

High copper alloy ground connector for joining a range of two parallel cables to rod or pipe. Especially good for grounding fence posts. High copper alloy cast body with DURIMUM™ silicon bronze U-bolts, nuts, and lockwashers make the Type GD ground connectors are UL 467 Listed, suitable for direct burial in earth or concrete. One-wrench installation.

Features & Benefits

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



| Catalog Number | Conductor | | | H | J | W |
|----------------|----------------|------------------------|-------------------|-------|-----|-------|
| | Tube I.P.S. ** | Rod Size or O.D. Range | Cable | | | |
| GD1526 | 1 | 1-1/8 - 1-1/4 | 4 Sol. - 2/0 Str. | 3-3/8 | 3/8 | 2-5/8 |
| GD1529 | 1 | 1-1/8 - 1-1/4 | 2/0 Sol. - 250 | 3-3/8 | 3/8 | 2-5/8 |
| GD1626 | 1-1/4 | 1-3/8 - 1-1/2 | 4 Sol. - 2/0 Str. | 3-1/2 | 3/8 | 3 |
| GD1629 | 1-1/4 | 1-3/8 - 1-1/2 | 2/0 Sol. - 250 | 3-1/2 | 3/8 | 3-1/4 |
| GD174C | 1-1/2 | 1-5/8 - 1-7/8 | 8 Sol. - 4 Str. | 4 | 3/8 | 3-1/4 |
| GD1726 | 1-1/2 | 1-5/8 - 1-7/8 | 4 Sol. - 2/0 Str. | 4 | 3/8 | 3-1/4 |
| GD1729 | 1-1/2 | 1-5/8 - 1-7/8 | 2/0 Sol. - 250 | 4 | 3/8 | 3-1/4 |
| GD1734 | 1-1/2 | 1-5/8 - 1-7/8 | 300 - 500 | 4-5/8 | 1/2 | 3-5/8 |
| GD184C | 2 | 2 - 2-3/8 | 8 Sol. - 4 Str. | 4-3/8 | 3/8 | 3-3/4 |
| GD1826 | 2 | 2 - 2-3/8 | 4 Sol. - 2/0 Str. | 4-3/8 | 3/8 | 3-3/4 |
| GD1829 | 2 | 2 - 2-3/8 | 2/0 Sol. - 250 | 4-3/8 | 3/8 | 3-3/4 |
| GD1834 | 2 | 2 - 2-3/8 | 300 - 500 | 5-3/8 | 1/2 | 4-1/8 |
| GD194C | 2-1/2 | 2-1/2 - 2-7/8 | 8 Sol. - 4 Str. | 5 | 3/8 | 4-1/4 |
| GD1926 | 2-1/2 | 2-1/2 - 2-7/8 | 4 Sol. - 2/0 Str. | 5 | 3/8 | 4-1/4 |
| GD1929 | 2-1/2 | 2-1/2 - 2-7/8 | 2/0 Sol. - 250 | 5 | 3/8 | 4-1/4 |
| GD1934 | 2-1/2 | 2-1/2 - 2-7/8 | 300 - 500 | 5 | 1/2 | 4-5/8 |
| GD204C | 3 | 3 - 3-1/2 | 8 Sol. - 4 Str. | 5-5/8 | 3/8 | 4-7/8 |
| GD2026 | 3 | 3 - 3-1/2 | 4 Sol. - 2/0 Str. | 5-5/8 | 3/8 | 4-7/8 |
| GD2029 | 3 | 3 - 3-1/2 | 2/0 Sol. - 250 | 5-5/8 | 3/8 | 4-7/8 |
| GD2034 | 3 | 3 - 3-1/2 | 300 - 500 | 6-3/8 | 1/2 | 5-1/4 |
| GD214C | 3-1/2 | 3-1/2 - 4 | 8 Sol. - 4 Str. | 6-1/4 | 3/8 | 5-3/8 |
| GD2126 | 3-1/2 | 3-1/2 - 4 | 4 Sol. - 2/0 Str. | 6-1/4 | 3/8 | 5-3/8 |
| GD2129 | 3-1/2 | 3-1/2 - 4 | 2/0 Sol. - 250 | 6-1/4 | 3/8 | 5-3/8 |
| GD2134 | 3-1/2 | 3-1/2 - 4 | 300 - 500 | 6-7/8 | 1/2 | 5-3/4 |
| GD224C | 4 | 4 - 4-1/2 | 8 Sol. - 4 Str. | 6-3/8 | 3/8 | 5-7/8 |
| GD2226 | 4 | 4 - 4-1/2 | 4 Sol. - 2/0 Str. | 6-3/8 | 3/8 | 5-7/8 |
| GD2229 | 4 | 4 - 4-1/2 | 2/0 Sol. - 250 | 6-3/8 | 3/8 | 5-7/8 |
| GD2234 | 4 | 4 - 4-1/2 | 300 - 500 | 6-7/8 | 1/2 | 6-1/4 |

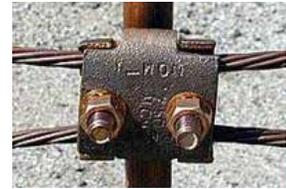
NOTE:

** Refer to Section O for tube dimensions.
Complies with NFPA 78-86 HEAVY DUTY stacks; use suffix "-LD"
for lead plating for HEAVY DUTY stack applications

Type GP

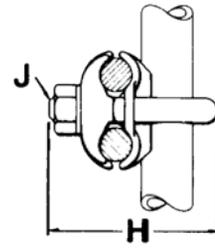
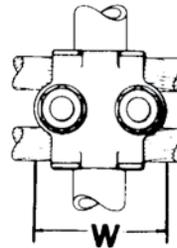
Two Copper Cables to Rod, Pipe or Column

High copper alloy ground connector for joining a range of two parallel cables perpendicular to rod, pipe or column. Also used with one groove for run, the other for tap to equipment. High copper alloy cast body and DURIMUM™ silicon bronze U-bolts, nuts, and lockwashers make Type GP connectors UL467 Listed and suitable for direct burial in the ground or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



Features & Benefits

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



| Catalog Number | Conductor | | | H | J | W |
|----------------|----------------|---------------|-------------------|-------|-----|---------|
| | Tube I.P.S. ** | O.D. Size | Cable | | | |
| GP114C | 1/4 | 1/2 | 8 Sol. - 4 Str. | 2-1/2 | 3/8 | 1-7/8 |
| GP1126 | 1/4 | 1/2 | 4 Sol. - 2/0 Str. | 2-1/2 | 3/8 | 1-7/8 |
| GP1129 | 1/4 | 1/2 | 2/0 Sol. - 250 | 2-1/2 | 3/8 | 1-7/8 |
| GP644C | 3/8 | 5/8 - 3/4 | 8 Sol. - 4 Str. | 2-1/2 | 3/8 | 2-1/8 |
| GP6426 | 3/8 | 5/8 - 3/4 | 4 Sol. - 2/0 Str. | 2-1/2 | 3/8 | 2-1/8 |
| GP6429 | 3/8 | 5/8 - 3/4 | 2/0 Sol. - 250 | 2-7/8 | 3/8 | 2-1/8 |
| GP6434 | 3/8 | 5/8 - 3/4 | 300 - 500 | 3-1/2 | 1/2 | 2-5/9 |
| GP144C | 1/2-3/4 | 7/8 - 1 | 8 Sol. - 4 Str. | 2-3/4 | 3/8 | 2-3/8 |
| GP1426 | 1/2-3/4 | 7/8 - 1 | 4 Sol. - 2/0 Str. | 3 | 3/8 | 2-3/8 |
| GP1429 | 1/2-3/4 | 7/8 - 1 | 3/0 Sol. - 250 | 3 | 3/8 | 2-3/8 |
| GP1434 | 1/2-3/4 | 7/8 - 1 | 300 - 500 | 3-3/4 | 1/2 | 2-5/8 |
| GP154C | 1 | 1-1/8 - 1-1/4 | 8 Sol. - 4 Str. | 2-3/4 | 3/8 | 2-5/8 |
| GP1526 | 1 | 1-1/8 - 1-1/4 | 4 Sol. - 2/0 Str. | 3-1/4 | 3/8 | 2-5/8 |
| GP164C | 1-1/4 | 1-5/8 | 8 Sol. - 4 Str. | 3-1/2 | 3/8 | 3 |
| GP1629 | 1-1/4 | 1-5/8 | 2/0 Sol. - 250 | 3-1/2 | 3/8 | 3 |
| GP1726 | 1-1/2 | 1-7/8 | 4 Sol. - 2/0 Str. | 4 | 3/8 | 3-1/4 |
| GP184C | 2 | 2-3/8 | 8 Sol. - 4 Str. | 4-1/8 | 3/8 | 3-11/16 |
| GP1826 | 2 | 2-3/8 | 4 Sol. - 2/0 Str. | 4-3/8 | 3/8 | 3-11/16 |
| GP2026 | 3 | 3-1/2 | 4 Sol. - 2/0 Str. | 5-1/2 | 3/8 | 4-13/16 |
| GP2226 | 4 | 4-1/2 | 4 Sol. - 2/0 Str. | 6-3/8 | 3/8 | 5-13/16 |

NOTE:

** Refer to Section O for tube dimensions.

Type GK

For Three Copper Cables to Rod or Pipe

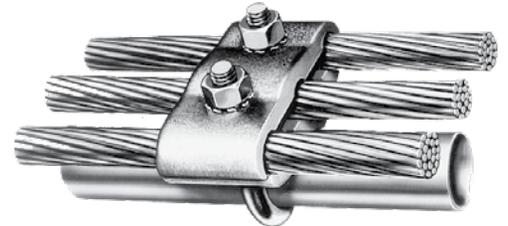
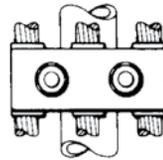
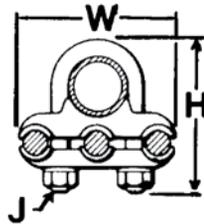
High copper alloy ground connector for joining three equal cables to rod or tube. Cable grooves take a wide range of cable. High copper alloy cast body and DURIMUM™ silicon bronze U-bolts, nuts, and lockwashers make the GK suitable for direct burial in soil or concrete. One-wrench installation. UL467 Listed. Acceptable for direct burial in earth or concrete.



Features & Benefits



- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One-wrench installation



| Catalog Number | Conductor | | | H | J | W |
|----------------|----------------|---------------|-------------------|-------|-----|-------|
| | Tube I.P.S. ** | O.D. Size | Cable | | | |
| GK114C | 1/4 | 1/2 | 8 Sol. - 4 Str. | 2-1/2 | 3/8 | 2-1/2 |
| GK1126 | 1/4 | 1/2 | 4 Sol. - 2/0 Str. | 2-1/2 | 3/8 | 2-3/4 |
| GK1129 | 1/4 | 1/2 | 2/0 Sol. - 250 | 2-1/2 | 1/2 | 3-3/8 |
| GK644C | 3/8 | 5/8 - 3/4 | 8 Sol. - 4 Str. | 2-7/8 | 3/8 | 2-5/8 |
| GK6426 | 3/8 | 5/8 - 3/4 | 4 Sol. - 2/0 Str. | 2-7/8 | 3/8 | 3 |
| GK6429 | 3/8 | 5/8 - 3/4 | 2/0 Sol. - 250 | 2-7/8 | 1/2 | 3-1/2 |
| GK6434 | 3/8 | 5/8 - 3/4 | 300 - 500 | 3-1/2 | 1/2 | 4 |
| GK1426 | 1/2 - 3/4 | 7/8 - 1 | 4 Sol. - 2/0 Str. | 2-3/4 | 3/8 | 3-1/4 |
| GK1429 | 1/2 - 3/4 | 7/8 - 1 | 2/0 Sol. - 250 | 3-3/4 | 1/2 | 3-7/8 |
| GK1434 | 1/2 - 3/4 | 7/8 - 1 | 300 - 500 | 3-3/4 | 1/2 | 4-3/8 |
| GK1526 | 1 | 1-1/8 - 1-1/4 | 4 Sol. - 2/0 Str. | 3-3/8 | 3/8 | 3-1/2 |
| GK1529 | 1 | 1-1/8 - 1-1/4 | 2/0 Sol. - 250 | 3-3/4 | 1/2 | 4-1/8 |
| GK1626 | 1-1/4 | 1-3/8 - 1-1/2 | 4 Sol. - 2/0 Str. | 3-1/2 | 3/8 | 3-7/8 |
| GK1629 | 1-1/4 | 1-3/8 - 1-1/2 | 2/0 Sol. - 250 | 4-1/4 | 1/2 | 4-1/2 |
| GK1726 | 1-1/2 | 1-5/8 - 1-7/8 | 4 Sol. - 2/0 Str. | 4 | 3/8 | 4-1/8 |
| GK1729 | 1-1/2 | 1-5/8 - 1-7/8 | 2/0 Sol. - 250 | 4-5/8 | 1/2 | 4-3/4 |
| GK1826 | 2 | 2 - 2-3/8 | 4 Sol. - 2/0 Str. | 4-1/4 | 3/8 | 4-5/8 |
| GK1829 | 2 | 2 - 2-3/8 | 2/0 Sol. - 250 | 4-3/8 | 1/2 | 5-1/8 |
| GK1926 | 2-1/2 | 2-1/2 - 2-7/8 | 4 Sol. - 2/0 Str. | 5 | 3/8 | 5-1/8 |
| GK1929 | 2-1/2 | 2-1/2 - 2-7/8 | 2/0 Sol. - 250 | 5 | 1/2 | 5-5/8 |

NOTE:

** Refer pages to Section-O for tube dimensions.

Mechanical Grounding

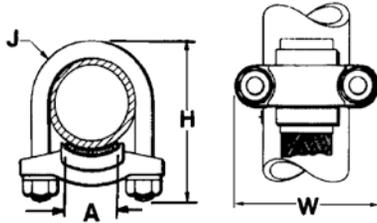
Type GG Ground Connector for Copper Bar / Strap / Braid / Cable to Rod or Tube

Type GG

For Copper Bar, Strap, Braid, or Cable to Rod or Tube

High copper alloy ground connector for joining bar, strap, braid or cable to rod or tube. High copper alloy cast body, DURUM™ silicon bronze U-bolts, nuts and lockwashers make the GG particularly effective for use with braid for ground rods, switch handles, fence posts and gates.

- Rated for Direct Burial in earth or concrete
- UL467 Listed
- One wrench installation



See our Braid offering beginning on page E-72

| Catalog Number | Conductor | | A | H | J | W |
|----------------|----------------|---------------|-------|-------|-----|-------|
| | Tube I.P.S. ** | Rod | | | | |
| GG15-1 | 1 | 1-1/8 - 1-1/4 | 1 | 3-3/8 | 3/8 | 2-5/8 |
| GG16-1 | 1-1/4 | 1-3/8 - 1-1/2 | | 3 | | |
| GG17-1 | 1-1/2 | 1-5/8 - 1-7/8 | | 3-1/2 | | 3-1/4 |
| GG17-15 | | | 1-1/2 | 3-3/4 | | |
| GG18-1 | 2 | 2 - 2-3/8 | 1 | 4-1/4 | 1/2 | 4-1/8 |
| GG18-15 | | | 1-1/2 | 4-3/8 | | |
| GG18-2 | | | 2 | 5 | | |
| GG19-2 | 2-1/2 | 2-1/2 - 2-7/8 | 2-1/2 | 6-3/8 | 1/2 | 5-1/5 |
| GG19-25 | | | 2 | | | |
| GG20-2 | 3 | 3 - 3-1/2 | 2 | 5-7/8 | 1/2 | 5-3/4 |
| GG20-25 | | | 2-1/2 | | | |
| GG20-3 | | | 3 | | | |
| GG21-2 | 3-1/2 | 3-1/2 - 4 | 2 | 6-1/2 | 1/2 | 6-1/4 |
| GG21-25 | | | 2-1/2 | | | |
| GG21-3 | | | 3 | | | |
| GG21-35 | | | 3-1/2 | | | |
| GG22-2 | 4 | 4 - 4-1/2 | 2 | 7-5/8 | 1/2 | 7-1/4 |
| GG22-25 | | | 2-1/2 | | | |
| GG22-3 | | | 3 | | | |
| GG22-4 | | | 4 | | | |
| GG24-2 | 5 | — | 2 | 7-5/8 | 1/2 | 7-1/4 |

NOTE:

** Refer to Section O for tube dimensions.

Type FFG

Fence Fabric Ground Clamps

Fence grounding systems are designed to provide protection against dangerous “touch” potentials. The Fence Fabric Ground Clamp is an integral component of this personnel safety system.

With its unique design the clamp can form a connection at virtually any angle. Specific uses include connection to both fence fabric and barbed wire. The conductor maintains a path to ground while connected to an object that is parallel, perpendicular or any degree in between.

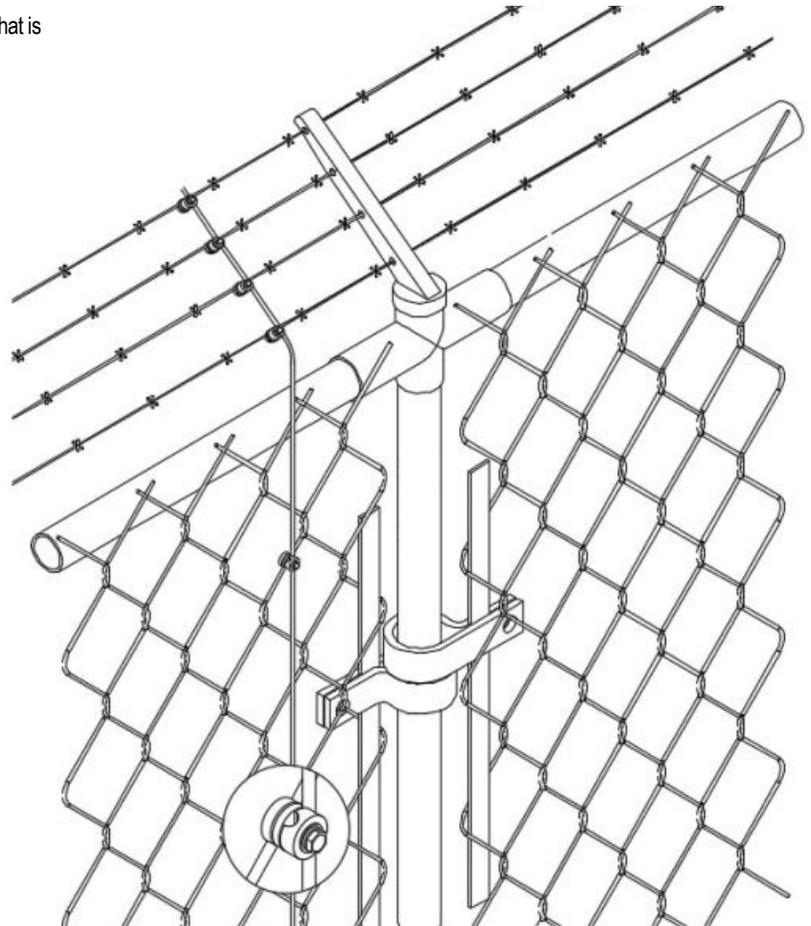
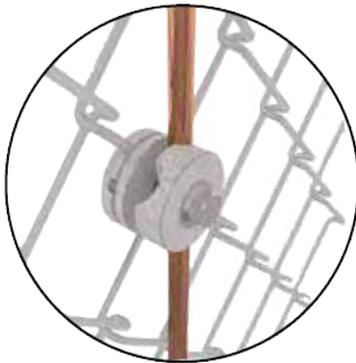
Tin plated copper clamp includes stainless steel hardware and allows for use on most metallic surfaces including galvanized steel. Other sizes available; please contact factory for information.



| Catalog Number | Conductor Size | Recommended Torque (in-lb) |
|----------------|----------------|----------------------------|
| FFGC8 | #8 | 67 |
| FFGC6 | #6 | 67 |
| FFGC4 | #4 | 67 |
| FFGC2 | #2 | 67 |
| FFGC2/0 | 2/0 | 67 |

Features & Benefits

- Clamp can form connections at virtually any angle
- Tin plated copper clamp includes stainless steel hardware
- For use with most metallic surfaces including galvanized steel
- Conductor maintains path to ground while connected to object that is parallel, perpendicular, or any degree in between
- UL467 Listed for the US and Canadian Markets



Mechanical Grounding

Copper Cable to "H" Beam or Square Fence Post Type GA-H , Type GA-H30SS Ground Connectors

Type GA-H

For Copper Cable to "H" Beam or Square Fence Post

High copper alloy ground connector for joining a wide range of cable parallel to "H" beams or square tube. Hardware is made from DURIMUM™ silicon bronze for superior corrosion protection.

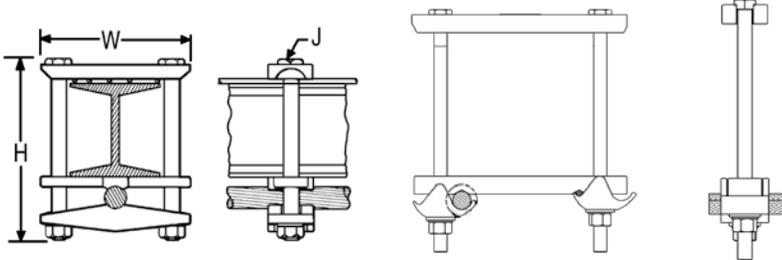
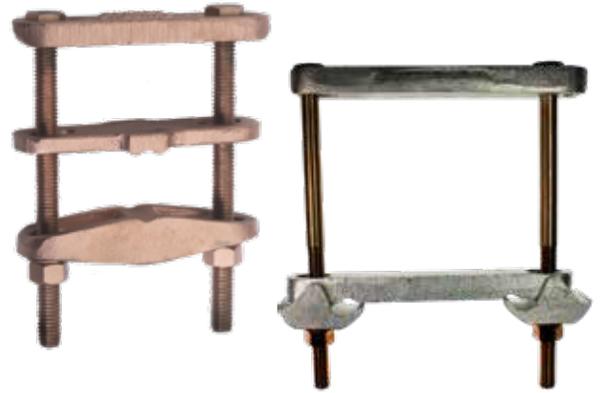


Figure 1

Figure 2



| Catalog Number | Figure | Accommodates | | H | J | W | Recommended Torque in-lb |
|----------------|--------|--------------------------|----------------------|-------|-----|---|--------------------------|
| | | "H" Beam | Copper Conductor | | | | |
| GA25H26 | 1 | 1-7/8" - 2-1/2" X 2-1/2" | 4 Sol. - 2/0 Str. | 4-3/4 | 3/8 | 4 | 240 |
| GA25H29 | 1 | 1-7/8" - 2-1/2" X 2-1/2" | 2/0 Sol. - 250 kcmil | 4-3/4 | 3/8 | 4 | 240 |

NOTE: Contact factory for tin plated options

| Catalog Number | Figure | Accommodates | | | H | J | W | Recommended Torque in-lb |
|----------------|--------|-------------------|-------------------------------|----------------------------------|------------|-----|------------|--------------------------|
| | | Square Fence Post | Copper Conductor | | | | | |
| | | | Small Clamp | Large Clamp | | | | |
| GA400H294CTN | 2 | 4" | 6 Sol. (.162) - 4 Str. (.232) | 1/0 Sol (.324) - 4/0 Str. (.528) | 6.75 (171) | 3/8 | 6.06 (154) | 150 |



Type GA-H30SS

For Copper Cable to Square Fence Post

High copper alloy ground clamp for joining copper cable (#4 AWG - 300 kcmil) to square fence posts. Stainless steel hardware for superior corrosion resistance.

Features & Benefits

- Robust design for 6" and 8" square fence posts
- Tapered bolt design enhances connection to post
- Stainless steel hardware
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



| Catalog Number | Accommodates | | H | Hardware size | W | Recommended Torque in-lb |
|----------------|-------------------|--------------------|-------|---------------|-------|--------------------------|
| | Square Fence Post | Copper Conductor | | | | |
| GA600H30SS | 6" | #4 AWG - 300 kcmil | 9.38 | 1/2" | 8.38 | 480 in-lb |
| GA800H30SS | 8" | | 11.38 | 1/2" | 10.38 | 480 in-lb |

Festoon Grounding Systems Kits
 Includes C-Rail, Coupler Hangers, Tow and Intermediate Trolleys, End Stop, Mounting Clamps

Festoon Grounding Systems include the tracks, hardware, axles, and wheels needed to create a quality, "active" grounding system designed to stand the tests of time. Festoon systems elevate the conductor providing protection from pinch points as well as a theft deterrent.

BURNDY festoon systems are offered in a variety of lengths. Kits include the C-Rail, Coupler Hangers, Tow and Intermediate Trolleys, End Stop, and Mounting Clamps. Grounding cable and connectors are not included.

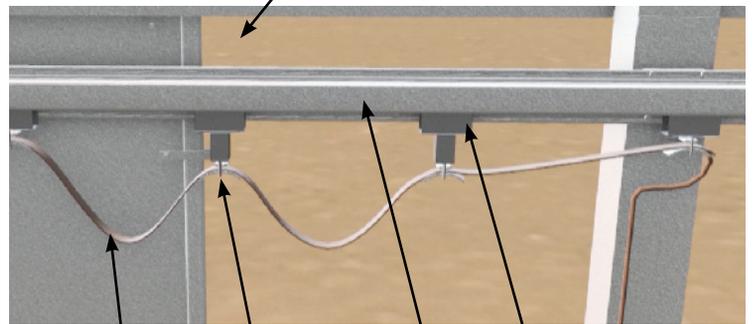
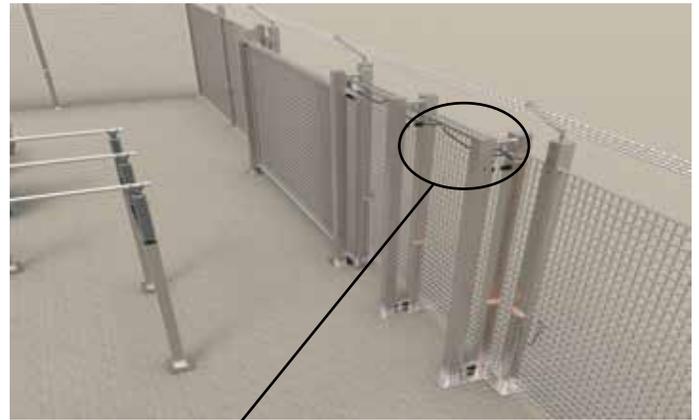
Features & Benefits

- Galvanized steel C-Rail for durability
- Sealed ball bearings in zinc-plated steel wheels are pre-lubricated for life offering consistent smooth operation
- Tow trolley protects conductor from pinch points
- Cable saddle helps keep conductor in line with track (ensure the cable size in use is accommodated by saddle)
- Festoon system keeps conductor elevated and out of easy reach from potential thieves

Specifications:

| | |
|----------------------|--|
| Wheels | Zinc-plated steel; smooth running ball bearing |
| Axles | Zinc-plated steel |
| C-Rail Track | Roll-formed galvanized steel |
| Hardware | Zinc-plated steel |
| Active Travel | Up to 25 ft (7.62m)* |
| Trolley Loads | Up to 45 lbs/trolley (20.25kg)** |
| Speed | Up to 250 fpm (75mpm) |

*Additional kits are available for longer travel, contact customer service.
 **Designed for cable loads only.



Cable (not included) Cable Saddle C-Rail Track Trolley



C-Rail Coupler



Tow Trolley Close-Up
 Note: Wheels on trolleys fit inside C-Rail

Festoon Grounding System (Continued)

| Catalog Number | Length | | | | Trolley Count |
|----------------|---------|---------|--------|----------------------|---------------|
| | Active | Storage | System | Cable (not included) | |
| BCR02302 | 10'-10" | 1'-4" | 12'-8" | 17' | 2 |
| BCR03302 | 14'-6" | 1'-7" | 16'-7" | 22' | 3 |
| BCR04302 | 18'-2" | 1'-11" | 20'-6" | 27' | 4 |
| BCR05302 | 21'-9" | 2'-2" | 24'-4" | 33' | 5 |
| BCR06302 | 25'-5" | 2'-5" | 28'-3" | 38' | 6 |

Terminology:

| | |
|-----------------------|---|
| Active Length | maximum distance the first trolley moves from fully stored position to fully extended |
| System Length | equal to total rail length |
| Storage Length | minimum distance required to store trolleys when fully retracted (gate open) |
| Coupler | joins and aligns two sections of C-Rail together |
| End Stop | prevents trolley from over travelling in C-Rail track |



Cable Saddle Close-Up

Note: When choosing your kit, ensure the cable size is accommodated by the saddle



Intermediate Trolley Close-Up



Wheel Close-Up

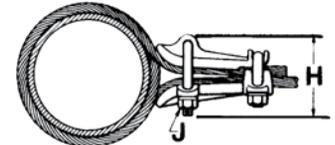
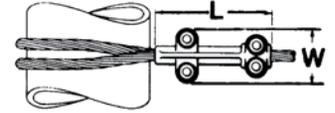
Note: Sealed ball bearings are pre-lubricated for life for smooth operation and longevity

Type GQ

Ground Connector for Copper Cable to Tube

High copper alloy ground connector for cross connecting a wide range of cable. High copper alloy, cast body, DURIMUM™ U-bolts, nuts, and lockwashers make the GQ suitable for burial in earth or concrete.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One wrench installation



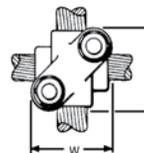
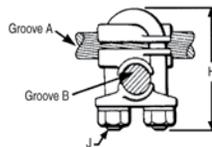
| Catalog Number | Conductor | | H | J | L | W |
|----------------|-----------|-------------------|-------|-----|---|-------|
| | I.P.S. | Cable | | | | |
| GQ2626 | 6" Max. | 4 Str. - 2/0 Str. | 4-1/2 | 1/2 | 5 | 2-1/2 |
| GQ26-1 | Above 6" | 4 Str. - 2/0 Str. | 7-1/8 | 1/2 | 5 | 2-1/2 |
| GQ2929 | 6" Max. | 2/0 Str. - 250 | 4-1/8 | 1/2 | 6 | 2-3/4 |
| GQ29-1 | Above 6" | 2/0 Str. - 250 | 7-1/2 | 1/2 | 6 | 2-3/4 |

Type GX

Ground Connector for Copper Cables

High copper alloy ground connector for cross connecting a wide range of cable. The high copper alloy cast body, DURIMUM™ U-bolts, nuts, and lockwashers make the GX suitable for burial in earth or concrete.

- Rated for Direct Burial in earth or concrete
- UL467 Listed
- One wrench installation



| Catalog Number | Conductor | | H | J | L | W |
|----------------|-------------------|-------------------|-------|-----|-------|-------|
| | Groove A | Groove B | | | | |
| GX4C4C | 8 Sol. - 4 Str. | 8 Sol. - 4 Str. | 1-7/8 | 3/8 | 1-5/8 | 1-5/8 |
| GX264C | 4 Sol. - 2/0 Str. | 8 Sol. - 4 Str. | 2-1/2 | 3/8 | 1-3/4 | 1-2/3 |
| GX2626 | 4 Sol. - 2/0 Str. | 4 Sol. - 2/0 Str. | 2-1/2 | 3/8 | 1-3/4 | 1-2/3 |
| GX294C | 2/0 Sol. - 250 | 8 Sol. - 4 Str. | 2-3/4 | 3/8 | 1-7/8 | 1-7/8 |
| GX2926 | 2/0 Sol. - 250 | 4 Sol. - 2/0 Str. | 2-1/2 | 3/8 | 1-7/8 | 1-7/8 |
| GX2929 | 2/0 Sol. - 250 | 2/0 Sol. - 250 | 2-3/4 | 3/8 | 1-7/8 | 1-7/8 |
| GX344C | 300 - 500 | 8 Sol. - 4 Str. | 2-3/4 | 3/8 | 2-1/8 | 1-7/8 |
| GX3426 | 300 - 500 | 4 Sol. - 2/0 Str. | 2-3/4 | 3/8 | 2-1/8 | 1-7/8 |
| GX3429 | 300 - 500 | 2/0 Sol. - 250 | 2-3/4 | 3/8 | 2-1/8 | 1-7/8 |
| GX3434 | 300 - 500 | 300 - 500 | 4-1/4 | 1/2 | 2-5/8 | 2-5/8 |

Type C-JPT

Cast Bronze Clamps for Conduit

Pressure bar type conduit hub adjusts for 1/2", 3/4" EMT, or 1/2" rigid conduit. Hub swings 360° for easy alignment. Supplied with Zinc plated hardware.



- UL467 Listed for the US and Canadian Markets

| Catalog Number | Accommodates Conductor Range | | | Reference Dimensions | | | Recommended Screw Torque (Inch Pounds) | |
|----------------|------------------------------|----------------|-------------|----------------------|---------------|-----------------|--|------------|
| | Water Pipe | Ground | Hub Size | H | L | W | Pipe Clamp | Wire Clamp |
| C-11JPT | 1/2 - 1 [13 - 25] | 10 - 6 Sol. | 1/2 [13] | 2.07 in [53] | 3.19 [81] | 2.70 in [69] | 50 in.-lb. | 50 in.-lb. |
| C-22JPT | 1-1/4 - 2 [32 - 51] | 10 - 6 Sol. | 1/2 [13] | 2.70 in [69] | 3.83 [97] | 2.70 in [69] | 50 in.-lb. | 50 in.-lb. |
| C-4JPT | 2-1/2 - 4 [64 - 102] | 10 - 6 Sol. | 1/2 [13] | 4.39 in [112] | 5.15 [131] | 2.70 in [69] | 50 in.-lb. | 50 in.-lb. |

Type C-; Cast Bronze Clamps

for Ground Conductor to Water Pipe or Copper Tube

For connecting grounding conductor to water pipe or copper tube. "D" indicates UL467 Listed for direct burial in earth and concrete and are supplied with silicon bronze hardware. "B" indicates brass hardware.



- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets

| Catalog Number | Accommodates Conductor Range | | | Reference Dimensions | | | | Recommended Screw Torque (Inch Pounds) | |
|----------------|------------------------------|---------|-------------|----------------------|---------------|-------------------|-----------------|--|------------|
| | Water Pipe | Rebar | Ground | H | L | W | C | Pipe Clamp | Wire Clamp |
| C-11N | 1/2 - 1 [13 - 25] | — | 10 - 2 Str. | 1.81 in [46] | 2.25 [56] | 0.63 in [16] | 0.63 in [16] | 50 in.-lb. | 50 in.-lb. |
| C-11D† | 1/2 - 1 [13 - 25] | #4 - #8 | 10 - 2 Str. | 1.81 in [46] | 2.25 [56] | 0.63 in [16] | 0.63 in [16] | 50 in.-lb. | 50 in.-lb. |
| C-11B | 1/2 - 1 [13 - 25] | — | 10 - 2 Str. | 1.81 in [46] | 2.25 [56] | 0.63 in [16] | 0.63 in [16] | 50 in.-lb. | 50 in.-lb. |
| C-22* | 1-1/4 - 2 [32 - 51] | — | 10 - 2 Str. | 2.38 in [60] | 3.63 [92] | 0.75 in [0.19] | 1.00 in [25] | 50 in.-lb. | 50 in.-lb. |
| C-22D† | 1-1/4 - 2 [32 - 51] | — | 10 - 2 Str. | 2.38 in [60] | 3.63 [92] | 0.75 in [0.19] | 1.00 in [25] | 50 in.-lb. | 50 in.-lb. |
| C-4* | 2-1/2 - 4 [46 - 114] | — | 10 - 2 Str. | 4.13 in [105] | 6.25 [159] | 0.96 in [24] | 1.88 in [48] | 50 in.-lb. | 50 in.-lb. |
| C-4D† | 2-1/2 - 4 [46 - 114] | — | 10 - 2 Str. | 4.13 in [105] | 6.25 [159] | 0.96 in [24] | 1.88 in [48] | 50 in.-lb. | 50 in.-lb. |
| C-8* | 4-1/2 - 6 [114 - 165] | — | 10 - 2 Str. | 4.29 in [109] | 8.34 [212] | 1.25 in [32] | 1.88 in [48] | 50 in.-lb. | 50 in.-lb. |

* Supplied with zinc-plated steel hardware.

† Add -TN for Tin Plated connector.

Type C5; Light Duty Cast Bronze Clamps for 1/2 - 1" Water Pipe



Similar to C-11 clamp but for lighter duty applications.

- UL467 Listed for the US and Canadian Markets

| Catalog Number | Accommodates Conductor Range | | Reference Dimensions | | | Recommended Screw Torque (Inch Pounds) | |
|----------------|------------------------------|-------------|----------------------|--------------|-----------------|--|------------|
| | Water Pipe | Ground | H | L | W | Pipe Clamp | Wire Clamp |
| C-5 | 1/2 - 1 [13 -25] | 10 - 2 Str. | 1.56 in [40] | 2.25 [56] | 0.56 in [14] | 50 in.-lb. | 50 in.-lb. |

Type C-K-D Cast Bronze Clamps with Lay-In Feature

For connecting grounding conductor to water pipe, copper tube, ground rod or rebar. The open face design allows for fast lay-in of the tap conductor without the need for cutting. Simply reverse bottom clamp for smaller size rebar or rod. Connectors are provided with Silicon Bronze hardware.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Fig. 1



Fig. 2



| Catalog Number | Fig. # | Accommodates Conductor Range | | | | Reference Dimensions | | | Recommended Screw Torque (Inch Pounds) |
|----------------|--------|------------------------------|---------|------------|---------------|----------------------|------|------|--|
| | | Main | | | Tap | H | L | W | |
| | | Water Pipe | Rebar | Ground Rod | Ground | | | | |
| C11K16D | 1 | 1/2" - 1" [13-25] | #4 - #6 | 3/8" - 1" | #10 - #2 Str. | 1.64 | 2.28 | 0.66 | 50 in.-lbs. |
| C11K17D | 2 | 1/2" - 1" [13-25] | #4 - #6 | 3/8" - 1" | #10 - #2 Str. | 1.64 | 2.28 | 0.66 | 50 in.-lbs. |

Type CZ Die Cast Clamps



Die cast zinc with zinc-plated screws.

- UL467 Listed for the US and Canadian Markets



| Catalog Number | Accommodates Conductor Range | | Reference Dimensions | | | | Recommended Screw Torque (Inch Pounds) | |
|----------------|------------------------------|-------------|----------------------|---------------|---------------|---------------|--|------------|
| | Water Pipe | Ground | H | L | W | C | Pipe Clamp | Wire Clamp |
| CZ-11 | 1/2" - 1" [13-25] | 10 - 2 Str. | 1.56" [40] | 2.25" [56] | 0.56" [14] | 0.50" [13] | 50 in.-lb. | 50 in.-lb. |

Type C-JA

Cast Bronze Clamps for Armored Cable to Water Pipe

To connect armored cable to water pipe. Zinc plated screws. Pressure bar grips armor or outer cable insulation. 360° swing hub for easy alignment.

- UL467 Listed for the US and Canadian Markets



| Catalog Number | Accommodates Conductor Range | | Reference Dimensions | | | Recommended Torque | |
|----------------|------------------------------|-------------------|----------------------|----------------|---------------|--------------------|------------|
| | Water Pipe | Armored Conductor | H | L | W | Pipe Clamp | Wire Clamp |
| C-11JA | 1/2 - 1 [13-25] | 10 - 6 Sol. | 1.38" [35] | 3.05" [77] | 1.41" [36] | 50 in.-lb. | 50 in.-lb. |
| C-22JA | 1-1/4 - 2 [32-51] | 10 - 6 Sol. | 2.60" [66] | 3.69" [94] | 1.41" [36] | 50 in.-lb. | 50 in.-lb. |
| C-4JA | 2-1/2 - 4 [64-102] | 10 - 6 Sol. | 4.29" [109] | 5.01" [128] | 1.41" [36] | 50 in.-lb. | 50 in.-lb. |

Type C-HD-DB

Cast Bronze Clamps for Grounding Conductor, EMT, or Rigid Conduit to Water Pipe/Copper Tube/Ground Rod/Rebar

For connecting grounding conductor, EMT or rigid conduit to water pipe, copper tube, ground rod or rebar. Hub swings 360° for easy alignment. Simply reverse bottom clamp for smaller size rebar or rod. Connectors are provided with Silicon Bronze hardware.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets

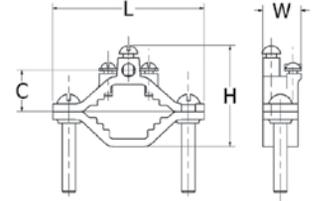


| Catalog Number | Accommodates Conductor Range | | | | Reference Dimensions | | | Recommended Screw Torque (Inch Pounds) |
|-------------------|------------------------------|---------|------------|--------------|----------------------|------|------|--|
| | Main | | | Tap | H | L | W | |
| | Water Pipe | Rebar | Ground Rod | Ground | | | | |
| C11HD4/0DB | 1/2" - 1" [13-25] | #4 - #6 | 3/8" - 1" | #8 - 4/0 AWG | 2.25 | 2.65 | 1.56 | 50 in.-lbs. |
| C22HD4/0DB | 1-1/4" - 2" [32-51] | — | — | #8 - 4/0 AWG | 2.70 | 3.60 | 1.56 | 50 in.-lbs. |

Type C- Cast Bronze Clamps

For connecting armored cable to water pipe. Zinc plated screws. "D" indicates UL467 for direct burial in earth and concrete, supplied with silicon bronze hardware.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Candian Markets



| Catalog Number | Accommodates Conductor Range | | | Reference Dimensions | | | | Recommended Screw Torque (Inch Pounds) | |
|----------------|------------------------------|-------------|--|----------------------|---------------|---------------|---------------|--|------------|
| | Water Pipe | Ground | Ground Clamp | H | L | W | C | Pipe Clamp | Wire Clamp |
| C-6 | 1/2 - 1 [13-25] | 10 - 2 Str. | Bare Armored Unarmored Wire Cables or Cords | 1.60" [41] | 2.34" [59] | 1.06" [27] | 0.63" [16] | 50 in.-lb. | 50 in.-lb. |
| C-6D | 1/2 - 1 [13-25] | 10 - 2 Str. | | 1.60" [41] | 2.34" [59] | 1.06" [27] | 0.63" [16] | 50 in.-lb. | 50 in.-lb. |
| C-7 | 1-1/4 - 2 [32-51] | 10 - 2 Str. | | 2.38" [60] | 3.62" [92] | 0.94" [24] | 1.00" [25] | 50 in.-lb. | 50 in.-lb. |

Type C- Cast Bronze Clamps for Rigid Conduit

For grounding rigid conduit systems; supplied with zinc plated screws.

- UL467 Listed for the US and Candian Markets



| Catalog Number | Accommodates Conductor Range | | | Reference Dimensions | | | | Recommended Screw Torque (Inch Pounds) | |
|----------------|------------------------------|--------------|-------------|----------------------|---------------|---------------|---------------|--|------------|
| | Water Pipe | Ground | Hub Size | H | L | W | C | Pipe Clamp | Wire Clamp |
| C-61 | 1/2 - 1 [13-25] | #6 Sol. Max. | 1/2 [13] | 2.07" [53] | 2.34" [59] | 1.34" [34] | 1.06" [27] | 50 in.-lb. | 50 in.-lb. |
| C-66 | 1-1/4 - 2 [32-51] | #6 Sol. Max. | 1/2 [13] | 2.69" [68] | 3.62" [92] | 1.34" [34] | 1.40" [36] | 50 in.-lb. | 50 in.-lb. |

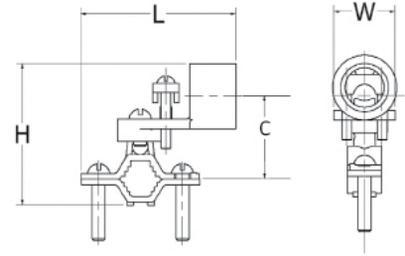
Type C-LH Cast Bronze Clamps for Conduit

For grounding rigid conduit systems. Continuity from rigid conduit systems to ground provided by cast bronze threaded conduit hub. Zinc plated screws.

- UL467 Listed for the US and Candian Markets



-2, -3 Versions*



| Catalog Number | Accommodates Conductor Range | | | Reference Dimensions | | | | Recommended Screw Torque (Inch Pounds) | |
|----------------|------------------------------|------------------|-------------|----------------------|----------------|---------------|---------------|--|------------|
| | Water Pipe | Ground | Hub Size | H | L | W | C | Pipe Clamp | Wire Clamp |
| C-11LH-1 | 1/2 - 1 [13-25] | 10 Str. - 6 Sol. | 1/2 [13] | 2.25" [57] | 3.23" [83] | 0.69" [18] | 0.97" [25] | 50 in.-lb. | 50 in.-lb. |
| C-22LH-1 | 1-1/4 - 2 [32-51] | 10 Str. - 6 Sol. | 1/2 [13] | 2.88" [73] | 3.50" [89] | 0.69" [18] | 1.34" [34] | 50 in.-lb. | 50 in.-lb. |
| C-4LH-1 | 2-1/2 - 4 [54-102] | 10 Str. - 6 Sol. | 1/2 [13] | 4.56" [116] | 4.82" [122] | 0.69" [18] | 2.44" [62] | 50 in.-lb. | 50 in.-lb. |
| C-11LH-2 | 1/2 - 1 [13-25] | 2/0 - 10 Str. | 3/4 [19] | 2.56" [65] | 2.86" [73] | 1.00" [25] | 1.13" [29] | 50 in.-lb. | 50 in.-lb. |
| C-22LH-2 | 1-1/4 - 2 [32-51] | 2/0 - 10 Str. | 3/4 [19] | 3.19" [65] | 3.50" [89] | 1.00" [25] | 1.50" [38] | 50 in.-lb. | 50 in.-lb. |
| C-4LH-2 | 2-1/2 - 4 [64-102] | 2/0 - 10 Str. | 3/4 [19] | 4.88" [124] | 4.82" [122] | 1.00" [25] | 2.38" [60] | 50 in.-lb. | 50 in.-lb. |
| C-11LH-3 | 1/2 - 1 [13-25] | 3/0 - 10 Str. | 1 [25] | 2.69" [68] | 2.86" [73] | 1.13" [29] | 1.19" [30] | 50 in.-lb. | 50 in.-lb. |
| C-22LH-3 | 1-1/4 - 2 [32-51] | 3/0 - 10 Str. | 1 [25] | 3.32" [59] | 3.50" [89] | 1.13" [29] | 1.56" [40] | 50 in.-lb. | 50 in.-lb. |
| C-4LH-3 | 2-1/2 - 4 [64-102] | 3/0 - 10 Str. | 1 [25] | 5.01" [127] | 4.82" [122] | 1.13" [29] | 2.44" [62] | 50 in.-lb. | 50 in.-lb. |

* C-LH with -1 has one screw; -2 and -3 Versions have 2 screws as shown.

Type C-CS Cast Bronze Clamps with Copper Strap

For grounding rigid conduit systems. Strap helps protect conduit system from water system vibrations. Cast bronze clamp with zinc plated screws and ETP copper strap.



Fig. 1



Fig. 2

| Catalog Number | Fig. # | Accommodates Conductor Range | | | Reference Dimensions | | | | | Recommended Screw Torque (Inch Pounds) | |
|----------------|--------|------------------------------|------------------|-------------|----------------------|----------------|---------------|---------------|----------------|--|------------|
| | | Water Pipe | Ground | Hub Size | H | L | W | C | D | Pipe Clamp | Wire Clamp |
| C-11CSH-1 | 1 | 1/2 - 1 [13-25] | 6 Sol. Max. | 1/2 [13] | 1.75" [44] | 8.50" [216] | 1.06" [27] | 1.06" [27] | 6.12" [155] | 50 in.-lb. | 50 in.-lb. |
| C-11CSH-2 | 1 | 1/2 - 1 [13-25] | 4/0 Str. Max. | 3/4 [19] | 1.75" [44] | 8.50" [216] | 1.25" [32] | 1.50" [38] | 6.12" [155] | 50 in.-lb. | 50 in.-lb. |
| C-11CSH-3 | 1 | 1/2 - 1 [13-25] | 4/0 Str. Max. | 1 [25] | 1.75" [44] | 8.50" [216] | 1.50" [38] | 1.75" [44] | 6.12" [155] | 50 in.-lb. | 50 in.-lb. |
| C11CSLH12 | 2 | 1/2 - 1 [13-25] | 2/0 Str. Max. | 1/2 [13] | 1.75" [44] | 8.50" [216] | 1.18" [30] | 1.06" [27] | 6.12" [155] | 50 in.-lb. | 45 in.-lb. |

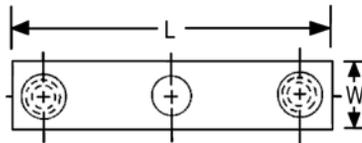
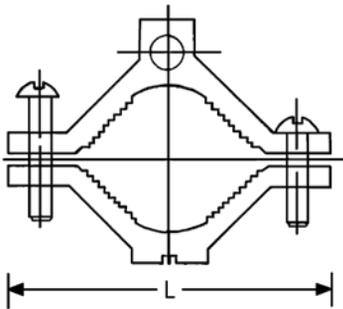
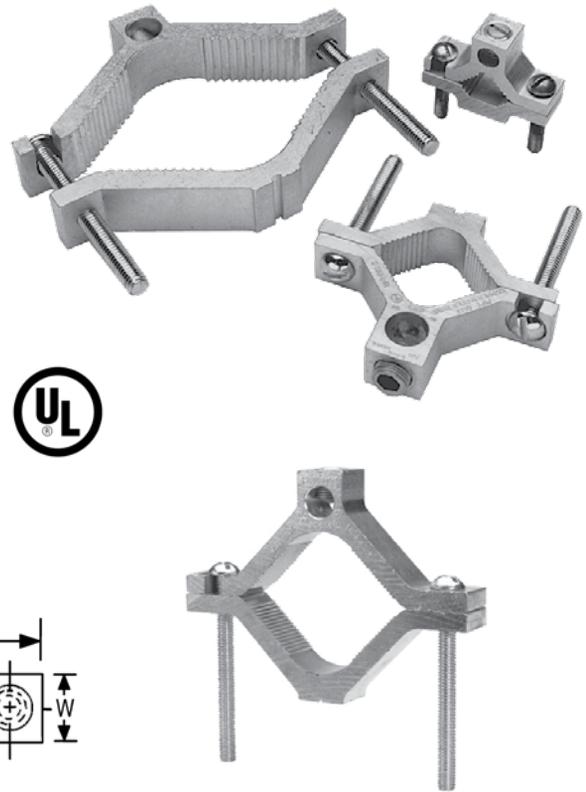
Type GC-A

Dual Rated Ground Clamp for Copper and Aluminum Cable

Type GC-A ground clamps are UL Listed for use with either copper or aluminum conductors to copper water pipe, galvanized pipe, or steel conduit. All clamps are constructed from tin plated high-strength extruded aluminum alloy. PENETROX™ oxide inhibiting joining compounds are recommended for all aluminum applications.

Features & Benefits

- Clamps are dual rated for both copper and aluminum conductors providing maximum flexibility of application
- All connectors are tin plated to provide low contact resistance and prevent galvanic corrosion
- All clamps are range taking; only 3 catalog number covers the complete range of applications from 1/2 to 4 inches
- UL467 Listed



| Catalog Number | Conduit, Pipe, or Water Tube Size** | Wire Range | Screw Type | W | L | Hex Size |
|----------------|-------------------------------------|---------------|------------|-------|--------|----------|
| GC15A | 1/2 - 3/4 - 1 | 1/0 - 14 | Slotted | 11/16 | 2-1/4 | Slot |
| GC18A | 1-1/4 - 1-1/2 - 2 | 250 kcmil - 6 | Hex Socket | 13/16 | 3-3/4 | 5/16 |
| GC22A | 2-1/2 - 3 - 3-1/2 - 4 | 250 kcmil - 6 | Hex Socket | 1 | 6-5/16 | 5/16 |

NOTE:

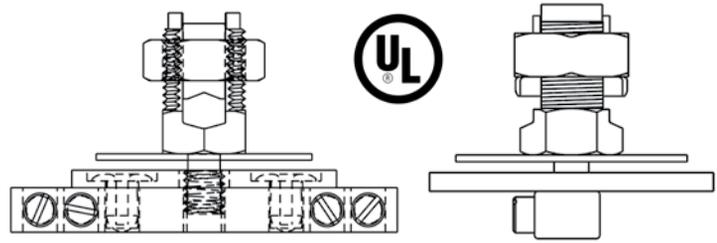
** Refer to Section O for tube dimensions.

Mechanical Grounding

BONDIT® Intersystem Bonding Connector House or Meter Socket Mounted Type BDT

Type BDT, House or Meter Socket Mounted BONDIT® Intersystem Bonding Connector

Designed to meet the requirements of NEC Article 250.94 "Bonding for Other Systems". Corrosion-resistant stainless steel set screws. Accepts main ground wire (#2-#8) and up to 4 intersystem wires (#6-#14). Same design can be mounted directly to the meter socket or mounted to the house. Innovative design does not damage meter socket and will not void warranty.



Catalog Number: **BDT1**

Features & Benefits

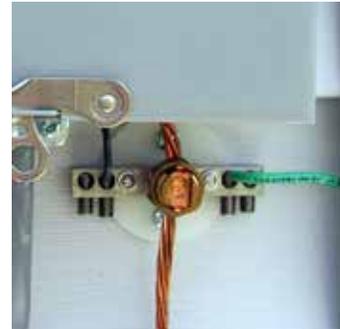
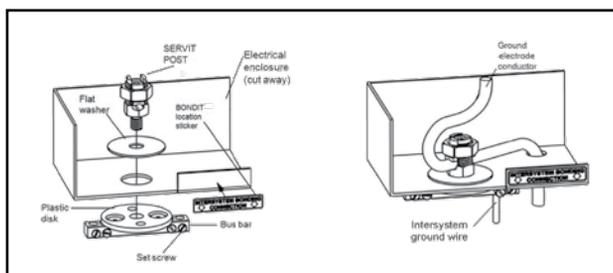
- Made in the USA!
- Meets Intersystem Bonding Requirements; NEC 250.94
- One connector does it all
- House mount or meter socket mount
- Incorporates proven BURNDY® SERVIT POST™ design
- Stainless steel set screws
- UL467 Listed

- Accepts main ground wire (#2-#8), up to 4 intersystem wires (#6-#14)
- Easily mounts to meter box during new installation or can be wall mounted
- Easy to follow instructions included
- Does not damage meter socket; no worries about damaging the paint or voiding warranties
- Easily installed with a wrench and screwdriver
- Open design prevents buildup of hornets, bees, spiders



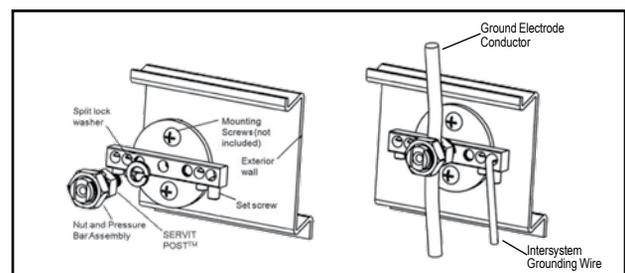
CONFIGURATION 1 - MOUNTED TO ENCLOSURE

1. Punch out a 1/2" or 3/4" knock out on the electrical enclosure.
2. Begin assembly by installing the ground electrode conductor in the SERVIT POST™ inside the electrical enclosure. Torque on SERVIT® NUT: 275 in-lb max.
3. Install the rest of the connector shown below, it is not necessary for the bus bar to be aligned parallel with the enclosure. (Note: the split washer is not used in this configuration.)
4. Tighten the intersystem ground wires with set screws in the bus bar to a maximum torque of 35 in-lb.
5. Adhere the BONDIT® location sticker to the front of the electrical enclosure.



CONFIGURATION 2 - MOUNTED TO EXTERIOR WALL

1. Begin by assembling the connector as shown in figure below. Be sure SERVIT POST™ is as tight as it can be while its groove is aligned with the ground electrode conductor. (Note: the flat washer is not used in this configuration.)
2. Use two mounting screws (not included) to secure the connector to the exterior wall so that the set screws in the bus bar face downward.
3. Install the ground electrode conductor into the SERVIT POST™ while turning the nut/pressure bar assembly to a maximum torque of 275 in-lb (use 2 wrenches if necessary).
4. Tighten the intersystem ground wires with the set screws in the bus bar to a maximum torque of 35 in-lb.
5. If hidden from view, use the BONDIT® location sticker to indicate the location.

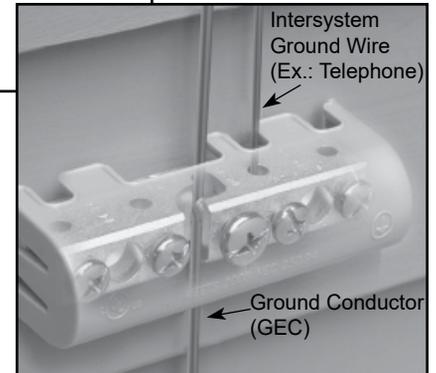
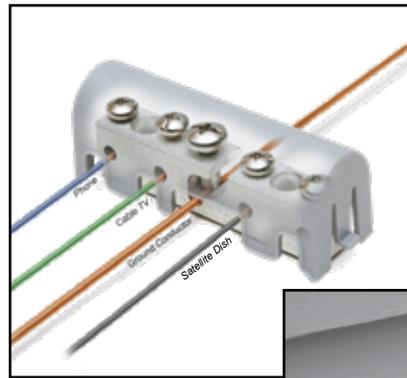


Type BDTIBB, BONDIT® Wall Mounted Intersystem Bonding Connector

NEC 250.94 refers to a requirement in the 2008 National Electrical Code. In the past, ground wires from telephone systems or cable systems were allowed to be grounded separately from the GEC (Ground Electrode Conductor from the main electrical service). With the new code, all ground wires from separate systems such as telephone systems, CATV and radio systems must be tied together at one location to the GEC. Hence, the term intersystem refers to tying all of the “system” grounds together in one location. The BONDIT® - Wall Mount is a great solution when the GEC is exposed (not in conduit).

With the new BONDIT® - Wall Mount connector BURNDY provides an economical solution that meets the needs of NEC 250.94.

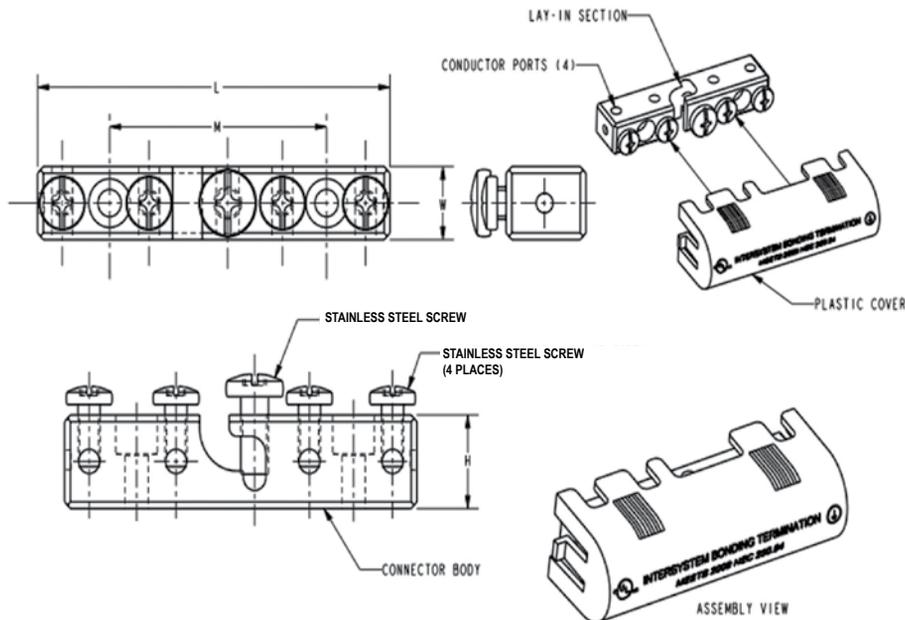
Catalog Number: **BDTIBB**



| Catalog Number | Conductor Range | | Reference Dimensions | | | |
|----------------|-----------------|-----------------|----------------------|--------------|--------------|--------------|
| | Lay-In Section | Conductor Ports | L | W | H | M |
| BDTIBB | #6 - #2 AWG | #14 - #4 AWG | 3.99 [101] | 0.71 [18] | 0.91 [23] | 2.46 [62] |

Features & Benefits

- Meets Intersystem Bonding Requirements; NEC 250.94
- Provides an easy to access grounding point for utilities such as telecom and cable
- Easy to install
- Tin-plated connector body provides long-lasting corrosion resistance
- UL467 Listed for the US and Candian Markets
- Stainless steel set screws
- Accepts main ground wire (#2 to #6), up to (4) intersystem wire (#4 to #14)
- Supplied with a durable cover, easily secured over connector body
- Approved for use with solid stranded conductors



Type SB, HandyBug™ Connector

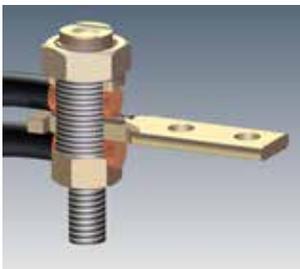
Tap, Splice, Terminate all with the same connector

The HandyBug™ connector is an “all-in-one” electrical connector that can be used for dozens of different power or grounding connection applications. This new connector is the survival tool of electrical connections and can be used as a splice, tap, terminal, wire-to-pipe, wire-to-busbar, and many other applications. The HandyBug™ incorporates the features and benefits of dozens of different products. Available in two sizes, these connectors accommodate from #8 AWG Solid to 1/0 AWG Stranded.

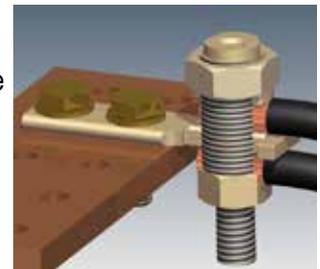
Ideal for emergency repairs, maintenance crews, and technicians, this connector is an essential part of every electrician/s basic supplies. cULus Listed and acceptable for direct burial in earth and concrete.



Traditional Split Bolt Option



Terminate 1 or 2 Wires



Splice Connection

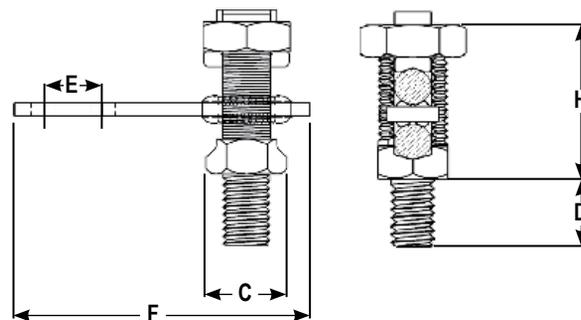


Wire to Pipe or Steel



Features & Benefits

- Power or Grounding and Bonding Applications
- Can be used to terminate wire to bus bars or steel
- Can be used for splicing and tap connections
- No special tooling required
- UL467 and UL486A/B Listed for the US and Canadian markets
- Rated for Direct Burial
- Tin plated
- Industry standard mounting hole configurations



| Catalog Number | Stranded | Solid | Stud Diameter | C | H | D | E | F |
|----------------|-----------------|-----------------|---------------|-----------|-----------|-----------|------|------|
| SB232TC14 | 8 AWG - 2 AWG | 8 AWG - 2 AWG | 3/8 - 16 | 0.72 [18] | 1.44 [37] | 0.63 [16] | 0.63 | 2.84 |
| SB232TC38 | 8 AWG - 2 AWG | 8 AWG - 2 AWG | 3/8 - 16 | 0.72 [18] | 1.44 [37] | 0.63 [16] | 1.00 | 2.84 |
| SB23U* | 8 AWG - 2 AWG | 8 AWG - 2 AWG | 3/8 - 16 | 0.72 [18] | 1.44 [37] | 0.63 [16] | N/A | 2.84 |
| SB252TC14 | 2 AWG - 1/0 AWG | 2 AWG - 1/0 AWG | 1/2 - 13 | 0.87 [22] | 1.68 [43] | 0.75 [19] | 0.63 | 3.15 |
| SB252TC38 | 2 AWG - 1/0 AWG | 2 AWG - 1/0 AWG | 1/2 - 13 | 0.87 [22] | 1.68 [43] | 0.75 [19] | 1.00 | 3.15 |
| SB25U* | 2 AWG - 1/0 AWG | 2 AWG - 1/0 AWG | 1/2 - 13 | 0.87 [22] | 1.68 [43] | 0.75 [19] | N/A | 3.15 |

* Suffix U denotes undrilled version, not cULus Listed.

Type BWB680 Series BURNDY® Pool Water Bonding Kits

NEC 680.26(C) states: "An intentional bond of minimum conductive surface area of 9" shall be installed in contact with the pool water. This bond shall be permitted to consist of parts that are required to be bonded in 680.26(B)".

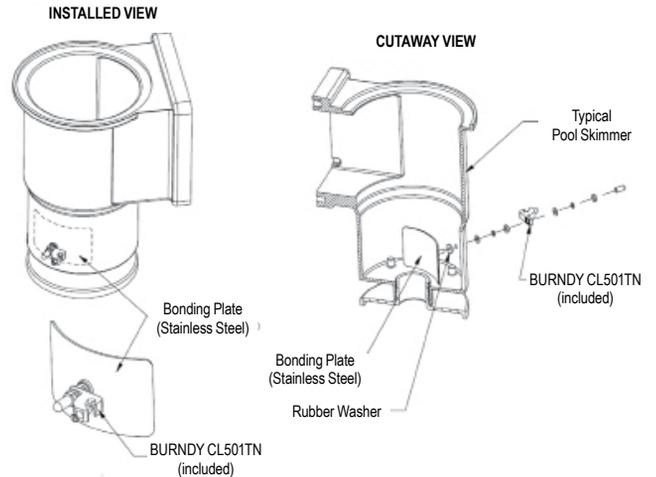
In order to comply with this requirement BURNDY is offering the BWB680 Series. Made of non-corrosive stainless steel, the BURNDY water bonding kit maintains constant contact with pool water to ensure that the pool is effectively bonded at all times.

BURNDY BWB680 Series is one of the few and the most user friendly, products on the market that complies with this code. Other products are placed in the plumbing, which is not always in contact with the water and therefore does not meet the code. Since the BWB680 Series is placed in the skimmer, it is always in contact with the water.

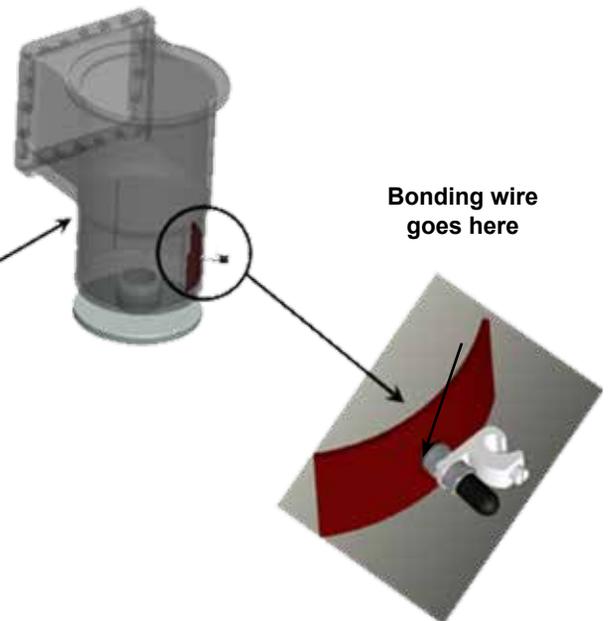
Included in the BURNDY BWB680 Series Bonding Kit: One (1) bonding plate; one (1) rubber sealing washer; two (2) flat washers; two (2) lock washers; two (2) nuts; and one (1) BURNDY CL501-TN.

Features & Benefits

- Easy installation
- Mounting hardware included
- UL Listed
- Placed out of the way on the side wall of the skimmer below the basket

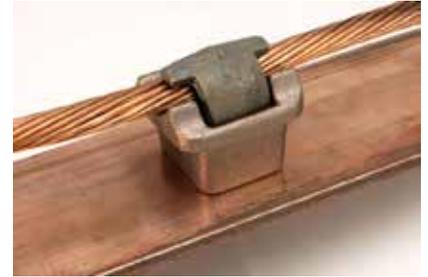
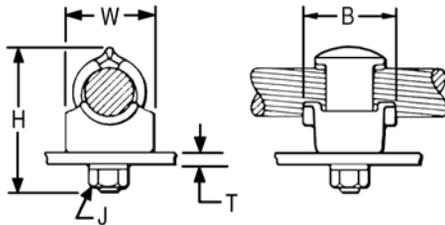


| Catalog Number | Pool Type |
|----------------|--------------|
| BWB680AG | Above Ground |
| BWB680IG | In-Ground |



Type QGFL BARTAP™ Copper Cable to Flat Bar or Pad

High copper alloy BARTAP™ for joining a range of cable to bar or pad. One-wrench installation. DURIUM™ silicon bronze nut and lockwasher. Can be installed side by side or in line on a NEMA drilled bar.



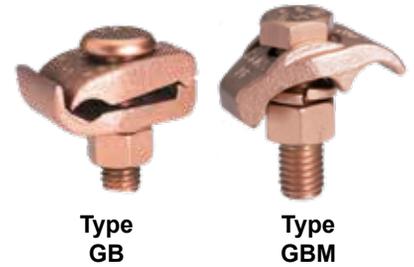
| Catalog Number | Copper Conductor | B | H | J | T (Max) | W |
|----------------|-------------------------|-------|---------|-----|---------|-------|
| QGFL1CB1 | #10 Sol. - #1 Str. | 1-1/8 | 1-7/8 | 3/8 | 1/4 | 1 |
| QGFL1CB1T6 | #10 Sol. - #1 Str. | 1-1/8 | 2-3/8 | 3/8 | 3/4 | 1 |
| QGFL26B1 | #8 Sol. - #2/0 Str. | 1-1/4 | 2-1/8 | 3/8 | 1/4 | 1-1/8 |
| QGFL26B1T6 | #8 Sol. - #2/0 Str. | 1-1/4 | 2-5/8 | 3/8 | 3/4 | 1-1/8 |
| QGFL26B2* | #8 Sol. - #2/0 Str. | 1-1/4 | 2-8/25 | 1/2 | 1/4 | 1-1/8 |
| QGFL26B2T6* | #8 Sol. - #2/0 Str. | 1-1/2 | 2-40/50 | 1/2 | 3/4 | 1-1/8 |
| QGFL29B1* | #6 Str. - 250 kcmil | 1-2/5 | 2-5/8 | 1/2 | 1/4 | 1-3/8 |
| QGFL29B1T6* | #6 Str. - 250 kcmil | 1-5/8 | 3-1/8 | 1/2 | 3/4 | 1-3/8 |
| QGFL31B1* | 2 AWG - 350 kcmil | 1-3/4 | 2-7/8 | 1/2 | 1/4 | 1-5/8 |
| QGFL31B1T6* | 2 AWG - 350 kcmil | 1-3/4 | 3-1/4 | 1/2 | 3/4 | 1-5/8 |
| QGFL34B1 | 1/0 - 500 kcmil | 2 | 3-1/8 | 1/2 | 1/4 | 1-3/4 |
| QGFL34B1T6 | 1/0 - 500 kcmil | 2 | 3-5/8 | 1/2 | 3/4 | 1-3/4 |
| QGFL39B1 | 350 kcmil - 750 kcmil | 2-1/4 | 3-1/4 | 1/2 | 1/4 | 1-3/4 |
| QGFL39B1T6 | 350 kcmil - 750 kcmil | 2-1/4 | 3-5/8 | 1/2 | 3/4 | 1-3/4 |
| QGFL44B1 | 750 kcmil - 1000 kcmil | 2-1/4 | 3-3/8 | 1/2 | 1/4 | 2-1/8 |
| QGFL44B1T6 | 750 kcmil - 1000 kcmil | 2-1/4 | 4-1/8 | 1/2 | 3/4 | 2-1/8 |
| QGFL46B1 | 1000 kcmil - 1500 kcmil | 2-1/4 | 4 | 1/2 | 1/4 | 2-1/2 |
| QGFL46B1T6 | 1000 kcmil - 1500 kcmil | 2-1/4 | 4-1/2 | 1/2 | 3/4 | 2-1/2 |
| QGFL48B1 | 1500 kcmil - 2000 kcmil | 2-1/4 | 4-3/4 | 1/2 | 1/4 | 3 |

* Can be installed side by side or in line on NEMA drilled bar.

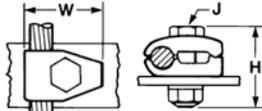
Types GB, GBM

Ground Connector for Copper Cable to Bar

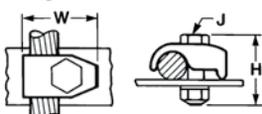
High copper alloy ground connector for joining a range of cable to 1/4" thick bar.* Type GB separates cable from bar, GBM clamps cable directly on bar surface. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make the GB and GBM suitable for direct burial in concrete or ground. See Note at the bottom of the page.



- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets ①
- One wrench installation



Type GB



Type GBM

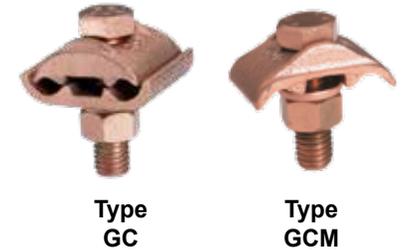
| Catalog Number | | Cable | H Type GB / GBL | H Type GBM | J | W Type GB/ GBL | W Type GBM | Rec. Torque |
|----------------|----------|---------------------|-----------------------|------------------|-----|-------------------------|------------------|----------------|
| Type GB | Type GBM | | | | | | | |
| GB4C | GBM4C | 8 AWG-4 AWG | 1-1/2 | 1-1/2 | 3/8 | 1-1/4 | 1-1/4 | 240 |
| GB26 | GBM26 | 4 AWG-2/0 AWG | 2 | 1-1/2 | 3/8 | 1-1/2 | 1-1/2 | 240 |
| GBL30 ① | — | 4 AWG-300 kcmil | 2 | — | 1/2 | 1-7/8 | — | 480 |
| GB29 | GBM29 | 2/0 AWG-250 kcmil | 2 | 2 | 1/2 | 2 | 2 | 480 |
| GB34 | GBM34 | 300 kcmil-500 kcmil | 3 | 2-1/4 | 1/2 | 2-3/8 | 2-3/8 | 480 |

① GBL30 is not UL Listed

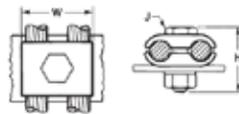
Types GC, GCM

Ground Connector for Two Copper Cables to Bar

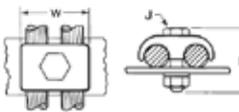
High copper alloy ground connector for joining a wide range of two parallel cables to 1/4" thick bar.* Type GC separates cable from bar, GCM clamps cable to bar surface. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make the GC and GCM suitable for direct burial in concrete or ground. See Note at the bottom of the page.



- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets
- One wrench installation



Type GC



Type GCM

| Catalog Number | | Cable | H Type GC | H Type GCM | J | W Type GC/GCL | W Type GCM | Rec. Torque |
|----------------|----------|---------------------|-----------------|------------------|-----|---------------------|------------------|----------------|
| Type GC | Type GCM | | | | | | | |
| GC4C4C | GCM4C | 8 AWG-4 AWG | 1-1/2 | 1-1/2 | 3/8 | 1-3/8 | 1 | 240 |
| GC2626 | GCM26 | 4 AWG-2/0 AWG | 2 | 1-1/2 | 3/8 | 1-3/4 | 1-3/8 | 240 |
| GCL30 | — | 5 AWG-300 kcmil | 2 | — | 1/2 | 1 | — | 480 |
| GC2929 | GCM29 | 2/0 AWG-250 kcmil | 2-1/4 | 2 | 1/2 | 2-1/4 | 2 | 480 |
| GC3434 | GCM34 | 300 kcmil-500 kcmil | 2-7/8 | 2-1/4 | 1/2 | 2-7/8 | 2-5/8 | 480 |

NOTE:

The **GB**, **GBM**, **GC**, **GCM**, **GL** and **GZ** are all used for joining a range of cable to bar. The catalog numbers in each table accommodate the indicated cable range and up to 1/4" thick bar. Optional bolt lengths are available to accommodate up to 1" thick bar. For bar thicknesses from 1/4" to 1/2", add the suffix "T4" to the catalog number in the table. For bar thicknesses from 1/2" to 1", add the suffix "T8" to the catalog number in the table.

Mechanical Grounding

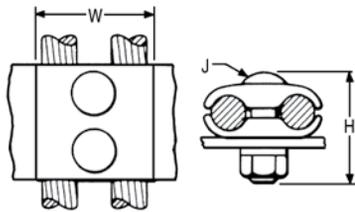
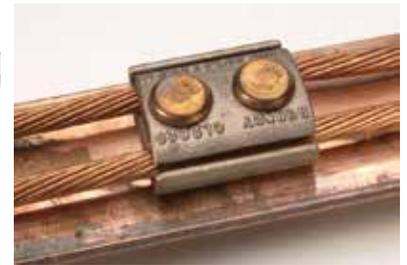
Type GL for Two Copper Cables to Bar;
Type GZ for Copper Cable to Bar

Type GL

Ground Connector for Two Copper Cables to Bar

High copper alloy ground connector for joining a wide range of two parallel cables to 1/4" thick bar.* Two-bolt design, separates cable from bar. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground. See Note at the bottom of the page.

- Rated for Direct Burial in earth or concrete
- UL467 Listed
- One wrench installation



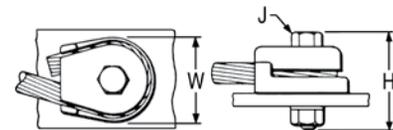
| Catalog Number | Conductor | H | J | W |
|----------------|---------------------|-------|-----|-------|
| GL4C4C | 8 AWG-4 AWG | 1-1/2 | 3/8 | 1-3/8 |
| GL2626 | 4 AWG-2/0 AWG | 2 | 3/8 | 1-3/4 |
| GL2929 | 2/0 AWG-250 kcmil | 2-1/4 | 1/2 | 2-1/4 |
| GL3434 | 300 kcmil-500 kcmil | 2-7/8 | 1/2 | 2-7/8 |

Type GZ

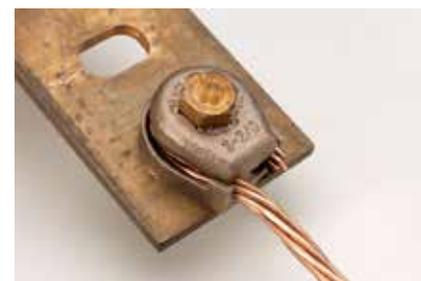
Ground Connector for Copper Cable to Bar

High copper alloy ground connector for joining a wide range of cable to 1/4" thick bar*. Cable is gripped by curving it around the clamping bolt in connector groove. The high copper alloy cast body and DURIMUM™ silicon bronze bolts, nuts, and lockwashers make them suitable for direct burial in concrete or ground. See Note at the bottom of the page.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



| Catalog Number | Conductor | H | J | W |
|----------------|-----------|-------|-----|-------|
| GZ4C-38 | 8-4 | 1-1/2 | 3/8 | 1-1/8 |
| GZ4C-12 | 8-4 | 1-7/8 | 1/2 | 1-3/4 |
| GZ4C-58 | 8-4 | 2 | 5/8 | 1-3/4 |
| GZ26-38 | 3-2/0 | 2 | 3/8 | 1-5/8 |
| GZ26-12 | 3-2/0 | 2-1/8 | 1/2 | 1-3/4 |
| GZ26-58 | 3-2/0 | 2-1/4 | 5/8 | 1-3/4 |
| GZ29-38 | 3/0-250 | 2-1/4 | 3/8 | 2-1/4 |
| GZ29-12 | 3/0-250 | 2-3/8 | 1/2 | 2-1/4 |
| GZ29-58 | 3/0-250 | 2-1/2 | 5/8 | 2-1/4 |



NOTE:

The **GB**, **GBM**, **GC**, **GCM**, **GL** and **GZ** are all used for joining a range of cable to bar. The catalog numbers in each table accommodate the indicated cable range and up to 1/4" thick bar. Optional bolt lengths are available to accommodate up to 1" thick bar. For bar thicknesses from 1/4" to 1/2", add the suffix "T4" to the catalog number in the table. For bar thicknesses from 1/2" to 1", add the suffix "T8" to the catalog number in the table.

Types J, RGC Mechanical Rail Connectors

Mechanical clamp connectors designed for use in power, contact or running rail applications. Connectors are cast of a high conductivity copper alloy, tin-plated, and assembled with high-strength DURIMUM™ hardware. Connectors designed for extended service life.



Figure 1

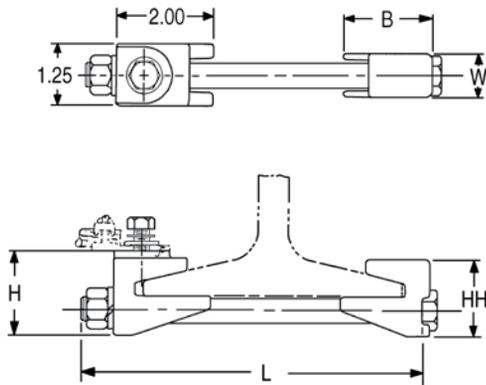


Figure 2

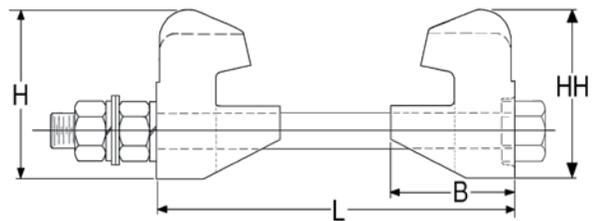


Figure 3

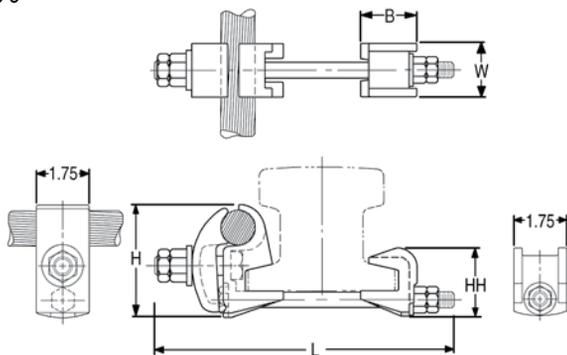
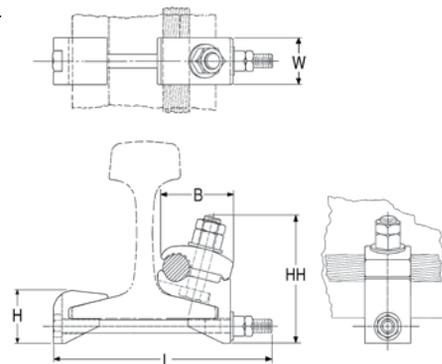


Figure 4



| Catalog Number | Fig. No. | Accommodates | B | H | HH | L | W |
|----------------|----------|--|------|------|------|-------|------|
| J278 | 1 | 100 Lbs. A.R.E.A Running Rail | 1.81 | 1.88 | 1.72 | 7.50 | 0.88 |
| J278G1 | 1 | 100 Lbs. A.R.A. Running Rail | 1.81 | 1.88 | 1.72 | 8.00 | 0.88 |
| J279 | 1 | 75 or 90 Lbs. Running Rail | 1.81 | 1.71 | 1.55 | 7.50 | 0.88 |
| J280 | 1 | 150 Lbs. Contact Rail | 2.12 | 2.08 | 1.92 | 7.00 | 1.25 |
| J295 | 2 | 150 Lbs. Third Rail | 2.62 | 3.50 | 3.50 | 7.75 | 3.00 |
| RGC44G1 ① | 3 | 150 Lbs. NMC Contact Rail and (1) 800-1000 kcmil CU Cable | 1.75 | 2.82 | 2.25 | 10.00 | 1.75 |
| RGC39G1 ① | 4 | 115 Lbs. Contact or Running Rail and (1) 500-750 kcmil CU Cable | 2.75 | 2.00 | 4.78 | 8.32 | 1.25 |

① Tin-plated

Mechanical Grounding

Type GIE-G Ground Connectors for Vehicle Grounding; Heavy Duty

Type GIE-G

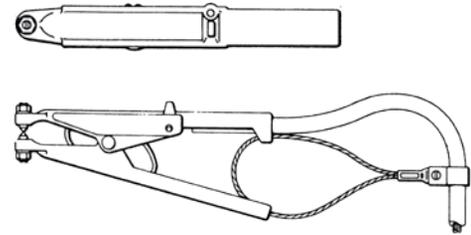
Ground Connector for Vehicle Grounding, Heavy Duty Construction

High-strength copper alloy ground clamps for grounding gasoline trucks, tank cars, aircraft and other vehicles where danger of explosion due to static electricity exists. Corrosion resistant and supplied with nonsparking, adjustable, replaceable contact grip screws. Automatic safety release disconnects should a vehicle unexpectedly move from the grounded area. Accommodates 4 Str. flexible copper cable.



| Catalog Number | Description | Material | Point Configuration |
|----------------|---------------------------|------------------|---------------------|
| GIE4CG3 | Assembly Beryllium Copper | Beryllium Copper | Assembly |
| GIE4CG4 | Assembly Stainless Steel | Stainless Steel | Assembly |

| Replacement Tips Only | | | |
|-----------------------|----------------------------------|------------------|---------------------|
| Catalog Number | Description | Material | Point Configuration |
| GIE4CG3P5 | Beryllium Copper CONE Point Only | Beryllium Copper | Cone Point |
| GIE4CG3P7 | Beryllium Copper CUP Point Only | Beryllium Copper | Cup Point |
| GIE4CG4P5 | Stainless Steel CONE Point Only | Stainless Steel | Cone Point |
| GIE4CG4P7 | Stainless Steel CUP Point Only | Stainless Steel | Cup Point |

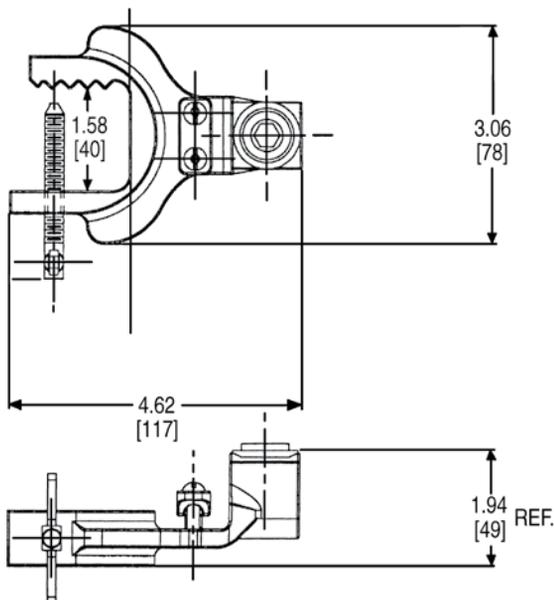


Type GIE-G

Ground Connector for Vehicle Grounding, Heavy Duty Construction

Accommodates flexible rubber sheath cable ranging from #6 to #2 conductor.

Catalog Number: **GIE2CG3**



Type BSD BURNDY® Static Discharge Reels

Static Discharge Reels are an excellent addition to the BURNDY® static discharge line of products. These reels are often used to dissipate static charge buildup developed while filling or dispensing fuel or other combustible liquids from fuel trucks or rail cars. Often used in the petroleum industry but applicable in any area where static discharge creates potential hazard.

These reels are heavy duty, of rugged construction and are supplied with a 100 amp universal jaw-type grounding clamp. The reels are available with 100 ft and 50 ft lengths. All reels come with spring rewind and centrifugal brake. The tension can be adjusted on these reels and installation instructions are included to ensure the most efficient mounting method.

Every reel is Proudly Made in the USA and meets the stringent quality expectations of the BURNDY® portfolio of grounding products.

Features & Benefits

- 100 foot and 50 foot cable lengths available
- Automatic E-Z PULL™ Rewinding
- Rugged Steel Construction
- Compact Enclosed Design (excluding BSD20100)
- Positive Ratchet Lock with Ratchet On/Off Switch (excluding (BSD20100)
- Permanent Ratchet Lock (BSD20100 only)
- Steel Cable Installed
- 100 Amp Universal Jaw-Type Grounding Clamp
- Red Baked-on Finish
- Made in the USA



BSD2050

BSD2050N



BSD2050Y



BSD20100

| Catalog Number | Cable Length | # of Jaw-Type Grounding Clamps | Weight (lb.) |
|-----------------|-----------------------------|--------------------------------|--------------|
| BSD20100 | 100 feet (Open Reel Design) | 1 | 20 |
| BSD2050 | 50 feet | 1 | 12 |
| BSD2050N | 50 feet (Nylon Covered) | 1 | 12 |
| BSD2050Y | 35 feet plus 15 feet of "Y" | 2 | 13 |

| Repair Component Kits | |
|-----------------------|---|
| Catalog Number | Includes: |
| BSD2050K01 | Spring motor assembly: spring motor, spool, shaft, bushings in a sealed canister |
| BSD2050K02 | Right half housing assembly: right housing half, ratchet lock assembly (attached to housing) |
| BSD2050K03 | Left half housing assembly: left housing half, nameplate |
| BSD2050K04 | Cable guide |
| BSD2050K05 | Cable assembly: cable, grounding clamp(s), lockwasher-M4, hex nut-M4 |
| BSD2050K06 | Hardware package: spacer, torsion spring, machine screws, lockwasher, thrust washer, hex nut, retaining ring, extension spring, ratchet lock assembly |
| BSD2050K05Y | Cable assembly: two cable grounding clamps, lockwasher-M4, hex nut-M4 |
| BSD2050K05N | Cable assembly: nylon covered cable, grounding clamp, lockwasher-M4, hex nut-M4 |

Type BSDCCEE Static Discharge "C" Clamp

The BSDCCEE is a static grounding "C" clamp used to provide electrical contact between containers used for dispensing liquids and the grounding grid. The reel or grounding cable is crimped onto the provided ring terminal which is then fastened to the clamp at the end of the set screw. The clamp can be used with galvanized or stainless steel cable with a maximum diameter of 1/8 inch. (Cable is not included.) The BSDCCEE has a galvanized steel body and includes the ring terminal, and stainless steel hardware. (Winged Cup Point Set Screw and Dog Point Set Screw.)



Catalog Number: **BSDCCEE**

Features & Benefits

- Easy to install
- Galvanized steel body and stainless steel hardware
- Designed for clamping cable end to containers

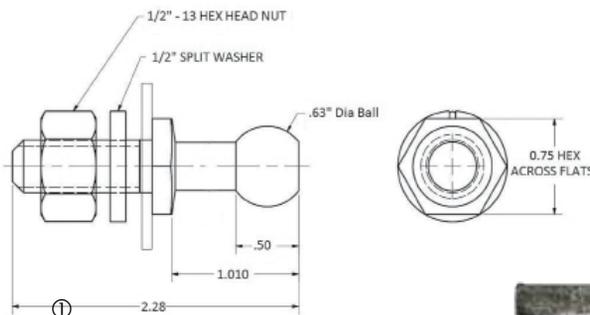
Type GCB63T13G1 STUDBUG™ for Static Grounding Applications

GCB63T13G1 is a temporary grounding stud for use on rail cars, chemical trucks, hazardous waste tankers or a petroleum vehicle to allow for static grounding protection, while in operation. It provides a contact point, allowing the rail car, truck or tanker to be grounded to an equipotential grid or ground rod, by using static reel or a ground cable.

Catalog Number: **GCB63T13G1**

Features & Benefits

- Made of bronze; supplied with silicon bronze hardware
- Secured by 1/2" hexagonal nut and split lockwasher
- Can be used with universal clamps and ball stud clamps
- Can be used at various angles to reach inaccessible areas
- Add suffix "SS" for grounding stud with stainless steel hardware



Note:

- ① Can be used with plate, bus bar or structural steel up to 1/4" thick.



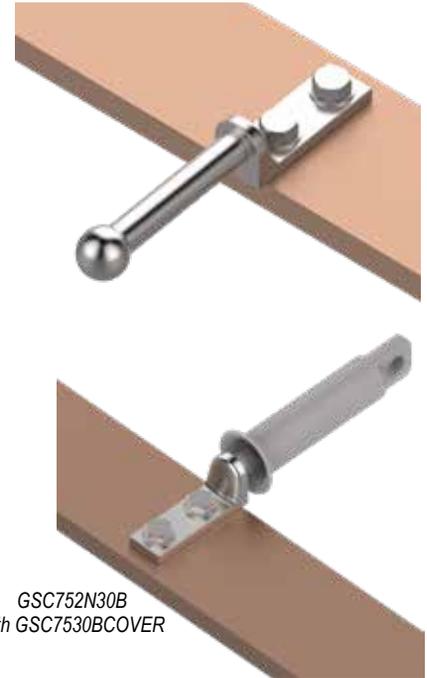
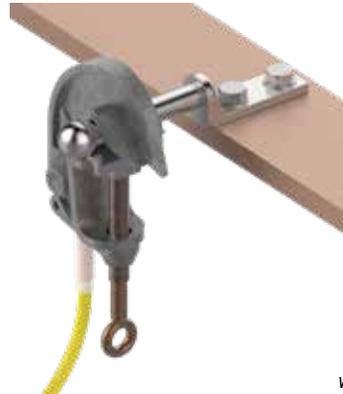
Type GSC75

All-in-one Ball and Socket Design with NEMA Pad

Grounding studs provide a low resistance path in the event of a fault. The GSC75 series of studs are available in straight, 45°, and 90° variations with other angles available upon request. The GSC7530BCOVER provides a snug fit over the GSC75 studs when not in use to serve as an animal mitigation.

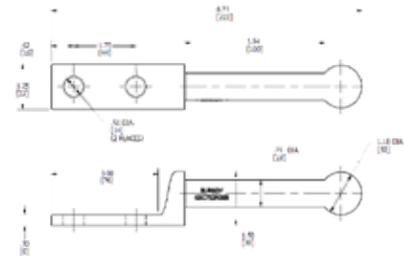
Features & Benefits

- High amperage rating
- Critter guard/cover available
- Available in Straight, 45°, and 90° variations
- Ball and Socket design accommodates industry standard clamps
- All-in-one design with NEMA terminal pad in-line with stud



GSC752N30B
with GSC7530BCOVER

| Catalog Number | Description | Hole Information | Pad Angle | Ball Diameter |
|----------------|------------------------|-------------------------------|-----------|---------------|
| GSC752N30B | Ground Stud (Straight) | 1/2" holes with 1.75" spacing | straight | 30 mm (1.18") |
| GSC752N30B45 | Ground Stud (45°) | | 45 degree | 30 mm (1.18") |
| GSC752N30B90 | Ground Stud (90°) | | 90 degree | 30 mm (1.18") |
| GSC7530BCOVER | Ground Stud Cover | — | — | — |



Type GSC63

Ground Ball Stud with 90° NEMA Pad

Tin-plated cast copper alloy ground stud incorporates an offset pad featuring NEMA spacing and 1" ball stud. Used when servicing a pad mounted transformer, the GSC632NH1B and optional orange thermoplastic elastomer cover provide for safe maintenance of equipment for optimal uptime.

Features & Benefits

Stud

- 90° offset pad
- NEMA Spacing
- Cast Copper Alloy
- Tin-plated for corrosion resistance

Cover

- Eye stem tool loop for install/removal
- Orange thermoplastic elastomer material



| Catalog Number | Description | Hole Spacing | Pad Angle | Ball Diameter |
|------------------|---|--------------------------|-----------|---------------|
| GSC632NH1B | Ground stud with offset NEMA spacing pad | 1.75" | 90° | 1" (25.4mm) |
| GSC632NH1BCOVER1 | Thermoplastic elastomer cover (orange) for GSC632NH1B | Not applicable for cover | | |

Mechanical Grounding

Type GC-CT Cable Tray Ground Clamp; Types BTCGC, BTCGC-SS Cable Tray Clamp

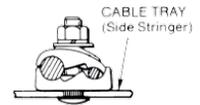
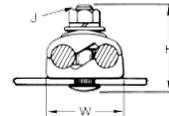
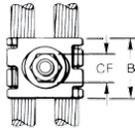
Type GC-CT Cable Tray Ground Clamp

This unique connector incorporates features which are unmatched. Made of tin-plated cast copper alloy, it accommodates either one or two conductors, copper or aluminum cable. In addition to a low profile head with a deep Phillips recess, the galvanized steel bolt has a ribbed neck which prevents rotation during installation when installed in a 0.44 diameter hole.

- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets with copper conductor only
- For aluminum conductor, the cable must be scratch brushed and PENETROX™ A joint compound must be applied on the cable and connector

NOTE:

The bolt head is mounted on the inside wall of cable tray to avoid damage to the cable insulation. May be used with aluminum or galvanized steel cable tray.



| Catalog Number | Accommodates Copper or Aluminum Conductor in either groove | B | CF | H | J | W |
|----------------|--|------|------|------|-----|------|
| GC2525CT | #6 Sol. (0.16 Dia.) - 1/0 Str. (0.37 Dia.) | 1.12 | 0.56 | 1.95 | 3/8 | 1.45 |
| GC2626CT | #2 Sol. (0.26 Dia.) - 2/0 Str. (0.42 Dia.) | 1.12 | 0.56 | 1.95 | 3/8 | 1.70 |
| GC2929CT | 2/0 Str. (0.41 Dia.) - 250 kcmil (0.58 Dia.) | 1.12 | 0.56 | 2.20 | 3/8 | 1.98 |

Types BTCGC, BTCGC-SS Cable Tray Clamp for Copper or Aluminum Conductor to Aluminum or Steel Cable Tray*

Made of aluminum and tin plated, the BTCGC and BTCGC-SS cable tray clamps accommodate aluminum or copper conductor #14 AWG through 250 kcmil. SS version is suitable for outdoor applications. The BTCGC clamp may be used with most types of cable tray with an inside or outside flange design.

Quick and easy installation requiring no drilling or special tools; use with 1/2" maximum straight rail, aluminum and steel cable trays. Tin plated for durability and corrosion resistance.

Features & Benefits

- Tin plated aluminum for durable, long lasting corrosion resistance
- UL2703 Listed for solar applications within the US and Canadian Markets*



NEW!!



- UL467 Listed for the US and Canadian Markets*
- Accommodates most common styles of cable tray with inside or outside flange
- Quick and easy installation; no drilling or special tools required
- Set screw bonds clamp to the cable tray while another set screw securely fastens the grounding conductor to the clamp providing vibration resistance and outstanding pull-out values
- Grounding green hardware†

| Catalog Number | Copper or Aluminum Conductor | Max. Flange Thickness | L | W | H | Inst. Tooling | Rec. Inst. Torque (in-lb) | | UL Surface Compatibility | | | |
|----------------|------------------------------|-----------------------|------|------|------|---------------|---------------------------|--------|--------------------------|------------------|-------------|-------------|
| | | | | | | | Cable | Flange | AL Cable Tray | Steel Cable Tray | Anodized AL | Galv. Steel |
| BTCGC4SS | #14 AWG - #4 AWG | 1/4" Max | 1.35 | 0.50 | 1.30 | 7/16" Hex | 30 | 50 | Y | Y | Y | Y |
| BTCGC1/0SS | #12 AWG - 1/0 kcmil | 3/8" Max | 1.60 | 0.75 | 1.55 | 9/16" Hex | 100 | 150 | Y | Y | N | Y |
| BTCGC250SS* | #6 AWG - 250 kcmil | 1/2" Max | 2.25 | 0.88 | 2.43 | 1/4" Hex Key | 225 | 150 | Y | N | N | Y |
| BTCGC250*† | #6 AWG - 250 kcmil | 1/2" Max | 2.25 | 0.88 | 2.43 | 1/4" Hex Key | 225 | 150 | Y | N | N | Y |

*BTCG250 and BTCGC250SS are not UL Listed to steel cable tray.

†BTCGC250 does not have grounding green hardware

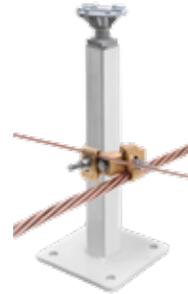
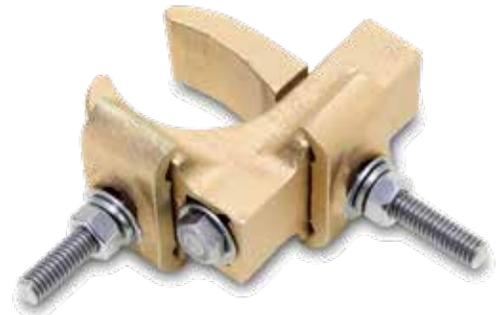
Type GXP1828RF SUPER-CLAMP™
Raised Floor / Rebar Ground Connector

Raised Floor Pedestal Ground Connector. The GXP1828RF is a versatile, easy to install, range taking ground connector. This grounding clamp accepts a wide range of pedestals and conductors. Accepted pedestal range is 3/4" through 2" (7/8" - 2" round; 3/4" - 1-1/2" square). The wire range is #6 solid to 4/0 stranded. The wires can be arranged in a parallel or cross grid configuration - accepts 1 or 2 wires.

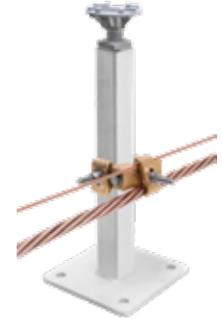
The high copper alloy body ensures excellent conductivity and the hardware is made of stainless steel. The connector is rated for Direct Burial in earth or concrete and UL467 Listed for the US and Canadian Markets. The versatility of the connector makes it an excellent choice for applications requiring multiple conductor sizes and/or configurations.

Features & Benefits

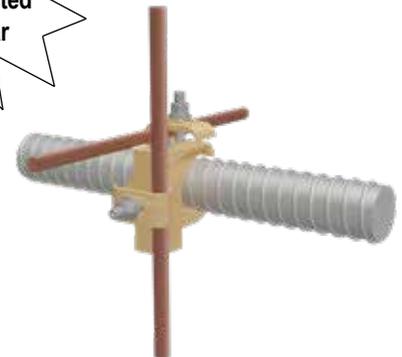
- Fits a wide range of raised floor pedestals, from 3/4" to 2" (7/8" to 2" round; 3/4" to 1-1/2" square)
- Accepts a wide range of wire sizes, #6 solid to 4/0 stranded
- Can be used for rebar sizes ranged from #7 to #12 size (7/8" to 1-1/2" dia.)
- Accommodates parallel wires or cross grid arrangements; wires can be installed in cross grid configuration
- Accepts one or two wires in any configuration
- Easy to install open design eliminates the need to disassemble before installing
- One socket size fits all hardware (1/2" socket size)
- Made of high copper alloy with stainless steel hardware
- UL467 Listed for the US and Canadian Markets
- Rated for Direct Burial in earth or concrete



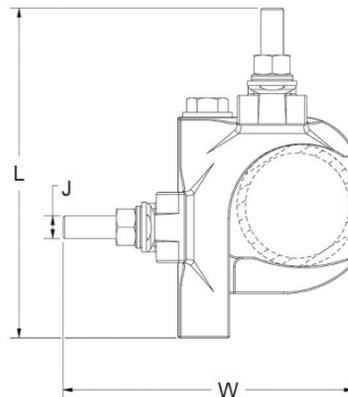
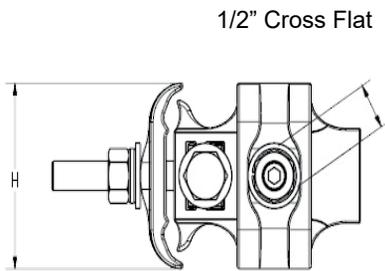
Cross Grid Configuration



Parallel Configuration



Rebar Connection



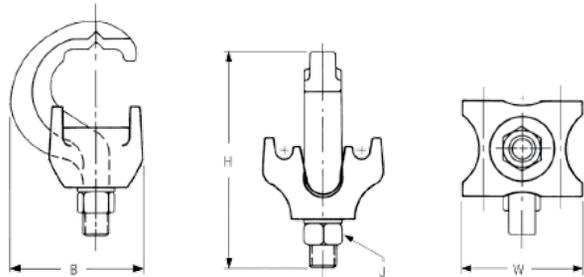
| Catalog Number | Copper Conductor Range (Concentric & Compact Stranded 19 Str. Max) | Pedestal Range | Rebar | Reference Dimensions | | | | Recommended Tightening Torque (in-lb.) | |
|----------------|---|---|--|----------------------|------|------|------|--|--------------------------------|
| | | | | L | W | H | J | Conductor Saddle (Nut) | Pedestal Clamp or Rebar (Bolt) |
| GXP1828RF | 6 AWG - 4/0 AWG | Round: 7/8" - 2" Square: 3/4" - 1-1/2" | Rebar Size: 7/8" - 1-1/2" (#7 - #12) | 4.53 | 3.94 | 1.96 | 5/16 | 120 | 180 |

Type GRF UNIGROUND™ Raised Floor Grounding Connector

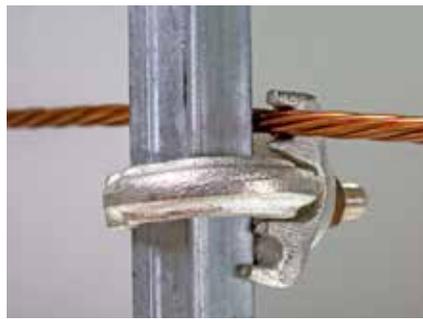
The BURNDY® UNIGROUND™ is a universal grounding clamp, specifically designed for all raised flooring systems. It can be installed on round or square pedestals and can accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground path that attenuates high frequency static and 60 Hz transient noise for cleaner data output. UL467 Listed.

Features & Benefits

- One connector fits all applications
- Ease of specification and installation
- Single bolt design with no need to disassemble
- Single wrench installation
- Accepts 1 or 2 ground conductors
- Requires less connectors to install signal reference grid
- Tin plated cast bronze construction
- Resists corrosion and provides extended life ground connection
- Grounds all pedestals (round or square); will accept up to 7/8" square and up to 1" round
- Serves 3 needs: Signal Reference Grid, Static Ground, and Fault Current Ground
- UNIGROUND™ connector will solve all grounding problems found in computer applications today
- UL467 Listed for the US and Canadian Markets



| Catalog Number | Number of Conductors | Conductor Size Sol. & Str. | Pedestal Type | | B | H | J | W |
|----------------|----------------------|----------------------------|---------------|------------|------|------|-----|------|
| | | | Round | Square | | | | |
| GRF4C-3 | 1 or 2 | #8 - #2 | Up to 1" | Up to 7/8" | 1.96 | 3.14 | 3/8 | 1.76 |
| GRF4C-4 | 1 or 2 | #8 - #2 | Up to 3/4" | Up to 5/8" | 1.79 | 3.13 | 3/8 | 1.40 |



Types GP-G1, GP-RT Raised Floor Grounding Clamps

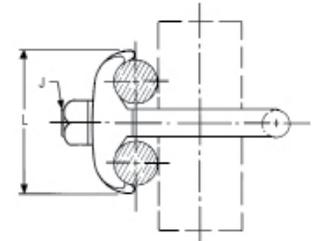
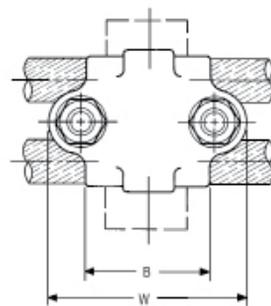
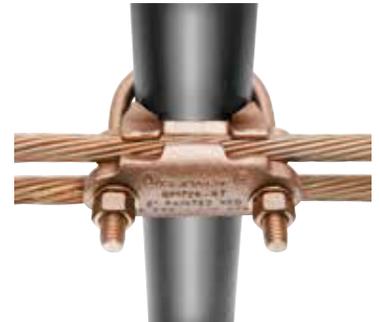
High copper alloy ground connector for raised floor computer grounding applications. These connectors can be installed on round and square pedestal applications and will accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground path that attenuates high frequency static and 60 Hz transient noise for cleaner data output. UL467 Listed.

In addition we offer the GP1726RT, which is specifically designed for penetrating epoxy paint on pedestals. This patented connector offers a low impedance, time saving connection between conductors and the pedestal.

Features & Benefits



- Accepts 1 or 2 ground conductors
- Requires less connectors to install signal reference grid
- Made of copper alloy
- DURIMUM™ Silicon Bronze U-Bolts, nuts and lockwashers
- Provides a low impedance ground path for maximum performance
- Grounds all pedestals (round or square)
- Accepts from 3/4" to 1" round or square
- Ease of installation
- Serves 3 needs: Signal Reference Grid, Static Ground, and Fault Current Ground
- Connectors solve all possible grounding problems found in computer applications today
- UL467 Listed for the US and Canadian Markets



| Catalog Number | Number of Conductors | Conductor Size Sol. & Str. | Pedestal Size/ Type | B | J | L | W |
|----------------|----------------------|----------------------------|---------------------------------------|------|-----|------|------|
| GP654CG1 | 1 or 2 | #8 Sol. - 4 Str. | 3/4" - 1" Round 3/4" - 7/8" Square | 1.50 | 3/8 | 1.31 | 2.38 |
| GP64526G1 | 1 or 2 | #4 Sol. - 2/0 Str. | | 1.50 | 3/8 | 1.69 | 2.38 |
| GP64528G1 | 1 or 2 | #4 Sol. - 4/0 Str. | | 1.50 | 3/8 | 1.69 | 2.38 |
| GP1526G1 | 1 or 2 | #4 Sol. - 2/0 Str. | 1-1/4" Round | 1.75 | 3/8 | 1.69 | 2.62 |
| GP1726RT | 1 or 2 | #6 Sol. - 2/0 Str. | 2" Round | 2.12 | 3/8 | 1.50 | 3.22 |
| GP1726G1 | 1 or 2 | #6 Sol. - 2/0 Str. | 2" Round | 2.12 | 3/8 | 1.50 | 3.22 |

Flexible Copper Braid Jumper

Copper braid is made of tinned, pure copper wire woven and flattened into a rectangular shape for greater flexibility. Seamless, pure copper ferrules are formed and assembled on each end to provide appropriate contact surfaces.

Braid is used extensively to compensate for expansion and contraction of moving parts and for thermal movement of rigid devices; to prevent breakage of insulators or bushings or equipment because of misalignment during settling of substation foundations; to absorb shock and vibration of operating equipment; and to provide flexible current carrying leads between moving parts of heavy machinery or equipment.

Current Carrying Capacity

Flexible copper braid has generally better heat dissipation properties than flat bar, cable or other conductors, and therefore can be expected to have a greater current carrying capacity for given cross-sectional area. This is due to its greater surface area resulting from the woven construction of fine strands. However, ventilation, due to the vertical convection current of air, is appreciably better when the long axis of the braid is vertical rather than horizontal, so that the long sides of the braid, rather than the edges, are exposed to the moving air. This is particularly true when spaced braids are used in multiple as can be seen by comparing Figure 1 and 2.

To take full advantage of ventilation, the cooling convection current of air should be permitted to flow freely between the braids. Therefore, if possible, the braids should be spaced apart, rather than bunched together, as illustrated in Figure 3. The effectiveness of spacing is, of course, greater when the braids are in a vertical position.

Bulk Braid

Bulk braid can be ordered with a minimum order quantity of 10 feet. Specify feet in number of inches.

Example: 10 feet of 190 ampere braid is Catalog No. BB077L120.

| INDOOR RATING AMPS | EQUIV CIRCULAR AREA | CAT NO. | APPROX WEIGHT PER FT |
|--------------------|---------------------|---------|----------------------|
| 75 | 24,000 | BB024L | 0.06 |
| 95 | 48,000 | BB048L | 0.16 |
| 110 | 67,000 | BB067L | 0.22 |
| 190 | 77,184 | BB077L | 0.24 |
| 340 | 153,700 | BB154L | 0.49 |
| 360 | 231,552 | BB226L | 0.76 |
| 415 | 300,000 | BB300L | 1.06 |

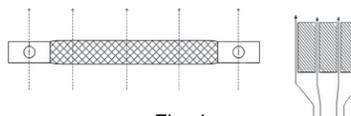


Fig. 1
Conventional current have maximum cooling effect with Braid in vertical position.

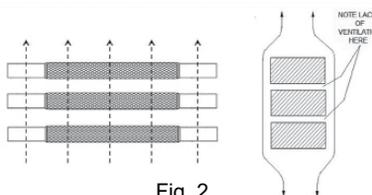
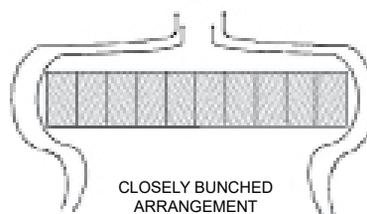
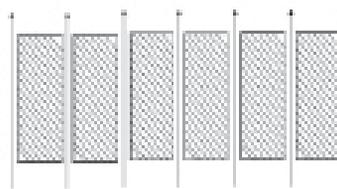


Fig. 2
Ventilation less efficient with Braid in horizontal position



CLOSELY BUNCHED ARRANGEMENT



OPEN ARRANGEMENT
Cooling due to convection current much more effective with spaced Braid

Fig. 3

Flexible Copper Braid Custom Designs

Flexible copper braid offers an economical and efficient means of protecting electrical equipment from the potentially harmful effects of shock and vibration, terminal expansion, movement of components and misalignment that may occur during the service life of the equipment.

Many varieties of braid are required to meet those needs which we can build to your specifications.

We also offer engineering assistance in the selection of the most appropriate standard or custom braid configuration for your application.

Custom Variations

Drilling

- * Undrilled
- * Elongated (slotted) holes
- * Special hole patterns and location
- * Metric
- * NEMA

Plating

- * Tin
- * Silver
- * Nickel
- * Unplated

Length

- * Jumper (overall)
- * Ferrule(s) contact

Insulated (covered)

- * Tubular
- * Heat shrink

Split Braid Assemblies

- * Stacked
- * Side-by-side

Multiple Ferrules

Preformed Configurations

- * Offset contact surfaces
- * Angular (e.g. 90°, 180°) bends
- * Ferrule contact surfaces rotated 90° on braid axis

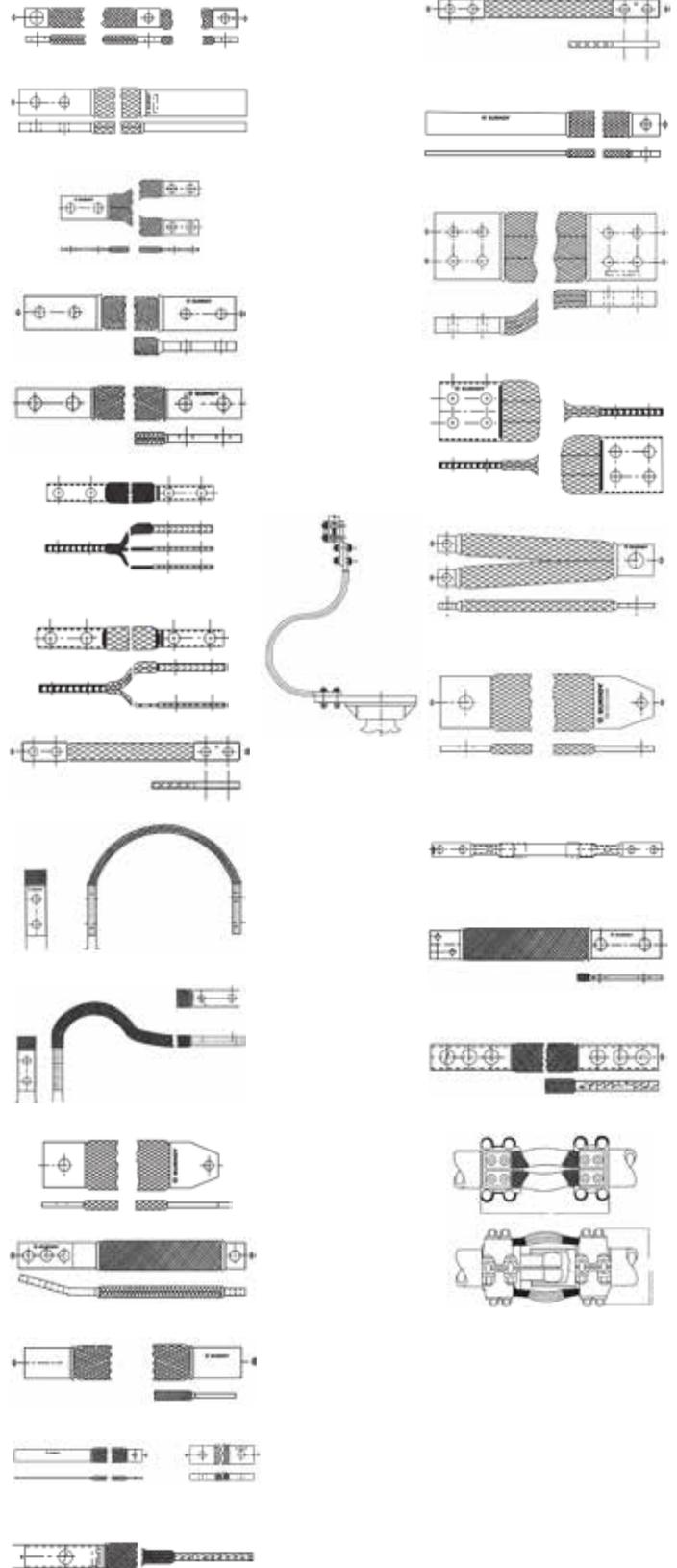
Combined Braid Assemblies

Combined connector - Braid Assemblies

Ferrule Variations

- * Belled/unbelled
- * Width/thickness
- * Contact length
- * Special shaping
- * Bent at angle°

High Ampacity Requirements



Type B 1-Hole Ferrule End

Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible tinned pure copper braid with high quality BURNDY ferrules on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.



| Catalog Number | AWG Equivalent | Length (inches) | End Type | Stud Hole | Approximate Ampere Rating | |
|----------------|----------------|-----------------|----------|-----------|---------------------------|---------|
| | | | | | Indoor | Outdoor |
| BB024L6T14* | #6 AWG | 6.00 | Ferrule | 1/4 | 75 | 100 |
| BB024L9T14* | #6 AWG | 9.00 | Ferrule | 1/4 | 75 | 100 |
| BB036L9T14* | #5 AWG | 9.00 | Ferrule | 1/4 | 85 | 125 |
| BB036L12T14* | #5 AWG | 12.00 | Ferrule | 1/4 | 85 | 125 |
| BB036L18T14* | #5 AWG | 18.00 | Ferrule | 1/4 | 85 | 125 |
| BB048L6T14* | #4 AWG | 6.00 | Ferrule | 1/4 | 95 | 150 |
| BB048L9T14* | #4 AWG | 9.00 | Ferrule | 1/4 | 95 | 150 |
| BB067L6T14 | #2 AWG | 6.00 | Ferrule | 1/4 | 110 | 180 |
| BB067L9T14 | #2 AWG | 9.00 | Ferrule | 1/4 | 110 | 180 |
| BD6T14 | #1 AWG | 6.00 | Ferrule | 1/4 | 190 | 225 |
| BD9T14 | #1 AWG | 9.00 | Ferrule | 1/4 | 190 | 225 |
| BE12T716 | 3/0 AWG | 12.00 | Ferrule | 7/16 | 340 | 405 |
| BE18T716 | 3/0 AWG | 18.00 | Ferrule | 7/16 | 340 | 405 |
| BE12T58 | 3/0 AWG | 12.00 | Ferrule | 5/8 | 340 | 405 |
| BE18T58 | 3/0 AWG | 18.00 | Ferrule | 5/8 | 340 | 405 |
| BE24T58 | 3/0 AWG | 24.00 | Ferrule | 5/8 | 340 | 405 |
| BE6T716 | 3/0 AWG | 6.00 | Ferrule | 7/16 | 340 | 405 |
| BF6T716 | 4/0 AWG | 6.00 | Ferrule | 7/16 | 360 | 430 |
| BF12T716 | 4/0 AWG | 12.00 | Ferrule | 7/16 | 360 | 430 |
| BF18T716 | 4/0 AWG | 18.00 | Ferrule | 7/16 | 360 | 430 |
| BG6T716 | 300 kcmil | 6.00 | Ferrule | 7/16 | 415 | 495 |
| BG8T716 | 300 kcmil | 8.00 | Ferrule | 7/16 | 415 | 495 |
| BG12T716 | 300 kcmil | 12.00 | Ferrule | 7/16 | 415 | 495 |
| BG12T12 | 300 kcmil | 12.00 | Ferrule | 1/2 | 415 | 495 |

* Not CSA Certified

Type B
2-Hole Ferrule End

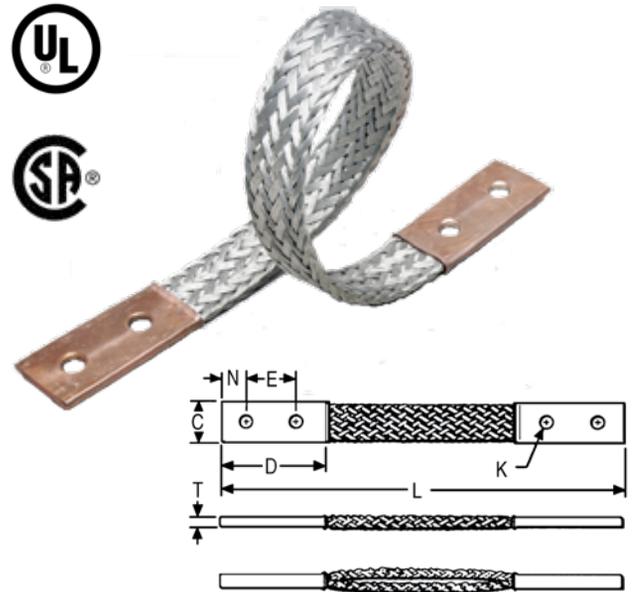
Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices.

Made of flat extra flexible, tinned, pure copper braid, with unplated, seamless, pure copper ferrules formed into a rectangular shape on each end.

Last two numbers in catalog number indicate total length of braid in inches (e.g., BD12N or BD12 is 12" long braid jumper).

Other lengths, plating and drilling are available. Contact the factory.

| Catalog # Prefix | Equiv. AWG Size |
|------------------|-----------------|
| BD | #1 |
| BE | 3/0 |
| BF | 4/0 |
| BG | 300 kcmil |



| Catalog Number | Number of Braids in Ferrules | C | D | E | K | L | N | T | Approximate Ampere Rating | |
|----------------|------------------------------|------|------|------|------|----|------|------|---------------------------|---------|
| | | | | | | | | | Indoor | Outdoor |
| BD12 ② | 1 | 0.94 | 2.50 | 1.25 | 0.44 | 12 | 0.62 | 0.13 | 190 | 225 |
| BD12N ② | 1 | 0.94 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.13 | 190 | 225 |
| BD18 ② | 1 | 0.94 | 2.50 | 1.25 | 0.44 | 18 | 0.62 | 0.13 | 190 | 225 |
| BD18N ② | 1 | 0.94 | 3.00 | 1.75 | 0.56 | 18 | 0.62 | 0.13 | 190 | 225 |
| BD24 ② | 1 | 0.94 | 2.50 | 1.25 | 0.44 | 24 | 0.62 | 0.13 | 190 | 225 |
| BD24N ② | 1 | 0.94 | 3.00 | 1.75 | 0.56 | 24 | 0.62 | 0.13 | 190 | 225 |
| BE12 ② | 1 | 1.50 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.17 | 340 | 405 |
| BE12N ② | 1 | 1.50 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.17 | 340 | 405 |
| BE18 ② | 1 | 1.50 | 3.00 | 1.50 | 0.44 | 18 | 0.75 | 0.17 | 340 | 405 |
| BE18N ② | 1 | 1.50 | 3.00 | 1.75 | 0.56 | 18 | 0.62 | 0.17 | 340 | 405 |
| BE24 ② | 1 | 1.50 | 3.00 | 1.50 | 0.44 | 24 | 0.75 | 0.25 | 340 | 405 |
| BE24N ② | 1 | 1.50 | 3.00 | 1.75 | 0.56 | 24 | 0.62 | 0.17 | 340 | 405 |
| BF12 ② | 1 | 1.19 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.25 | 360 | 430 |
| BF12N ② | 1 | 1.19 | 3.00 | 1.75 | 0.55 | 12 | 0.62 | 0.25 | 360 | 430 |
| BF18 ② | 1 | 1.19 | 3.00 | 1.50 | 0.44 | 18 | 0.75 | 0.25 | 360 | 430 |
| BF18N ② | 1 | 1.19 | 3.00 | 1.50 | 0.44 | 18 | 0.75 | 0.25 | 360 | 430 |
| BF24 ② | 1 | 1.19 | 3.00 | 1.50 | 0.44 | 24 | 0.75 | 0.25 | 360 | 430 |
| BF24N ② | 1 | 1.19 | 3.00 | 1.75 | 0.56 | 24 | 0.62 | 0.25 | 360 | 430 |
| BG12 | 1 | 1.50 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.25 | 415 | 495 |
| BG12N ① | 1 | 1.50 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.25 | 415 | 495 |
| BG18 | 1 | 1.50 | 3.00 | 1.50 | 0.44 | 18 | 0.75 | 0.25 | 415 | 495 |
| BG18N ① | 1 | 1.50 | 3.00 | 1.75 | 0.56 | 18 | 0.62 | 0.25 | 415 | 495 |
| BG24 | 1 | 1.50 | 3.00 | 1.50 | 0.44 | 24 | 0.75 | 0.25 | 415 | 495 |
| BG24N ① | 1 | 1.50 | 3.00 | 1.75 | 0.56 | 24 | 0.62 | 0.25 | 415 | 495 |

① Tongue drilled per (2) hole NEMA Standard
 ② Certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards in addition to the UL467 Listing which all items above are Listed to.

NOTE: Equivalent sizes may be designated by suffix letters representing variations in length, mounting configurations, pad size and finish. Contact factory for details. For Tin plated ferrules add suffix -TN to the catalog number.

Type B (Continued)



| Catalog Number | Number of Braids in Ferrules | C | D | E | K | L | N | T | Approximate Ampere Rating | |
|----------------|------------------------------|------|------|------|------|----|------|------|---------------------------|---------|
| | | | | | | | | | Indoor | Outdoor |
| B2D12 ② | 2 | 0.94 | 2.5 | 1.25 | 0.44 | 12 | 0.62 | 0.25 | 380 | 455 |
| B2D12N ② | 2 | 0.94 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.25 | 380 | 455 |
| B2E12 | 2 | 1.62 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.25 | 530 | 635 |
| B2E12N ① | 2 | 1.62 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.25 | 530 | 635 |
| B2F12 | 2 | 1.38 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.38 | 600 | 720 |
| B2F12N ① | 2 | 1.38 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.38 | 600 | 720 |
| B2G12N ① | 2 | 1.50 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.50 | 700 | 840 |
| B3D12 | 3 | 1.19 | 2.50 | 1.25 | 0.44 | 12 | 0.62 | 0.25 | 470 | 560 |
| B3D12N ② | 3 | 1.19 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.25 | 470 | 560 |
| B3E12 | 3 | 1.64 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.31 | 700 | 840 |
| B3E12N ① | 3 | 1.64 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.31 | 700 | 840 |
| B3F12 | 3 | 1.44 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.56 | 820 | 980 |
| B3F12N ① | 3 | 1.44 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.56 | 820 | 980 |
| B3G12 | 3 | 1.69 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.69 | 960 | 1150 |
| B3G12N ① | 3 | 1.69 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.69 | 960 | 1150 |
| B4D12 | 4 | 1.19 | 2.50 | 1.25 | 0.44 | 12 | 0.62 | 0.32 | 600 | 720 |
| B4D12N ① | 4 | 1.19 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.32 | 600 | 720 |
| B4E12 | 4 | 1.64 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.38 | 850 | 1020 |
| B4E12N ① | 4 | 1.64 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.38 | 850 | 1020 |
| B4F12 | 4 | 1.50 | 3.00 | 1.50 | 0.44 | 12 | 0.75 | 0.78 | 1000 | 1200 |
| B4F12N ① | 4 | 1.50 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.78 | 1000 | 1200 |
| B4G12N ① | 4 | 1.69 | 3.00 | 1.75 | 0.56 | 12 | 0.62 | 0.94 | 1200 | 1440 |

① Tongue drilled per (2) hole NEMA Standard

② Certified to CSA C22.2, No. 41 Grounding and Bonding Equipment Standards in addition to the UL467 Listing which all items above are Listed to.

NOTE:

Equivalent sizes may be designated by suffix letters representing variations in length, mounting configurations, pad size and finish. Contact factory for details. For Tin plated ferrules add suffix -TN to the catalog number.

Type BB-LT
1-Hole Connector End

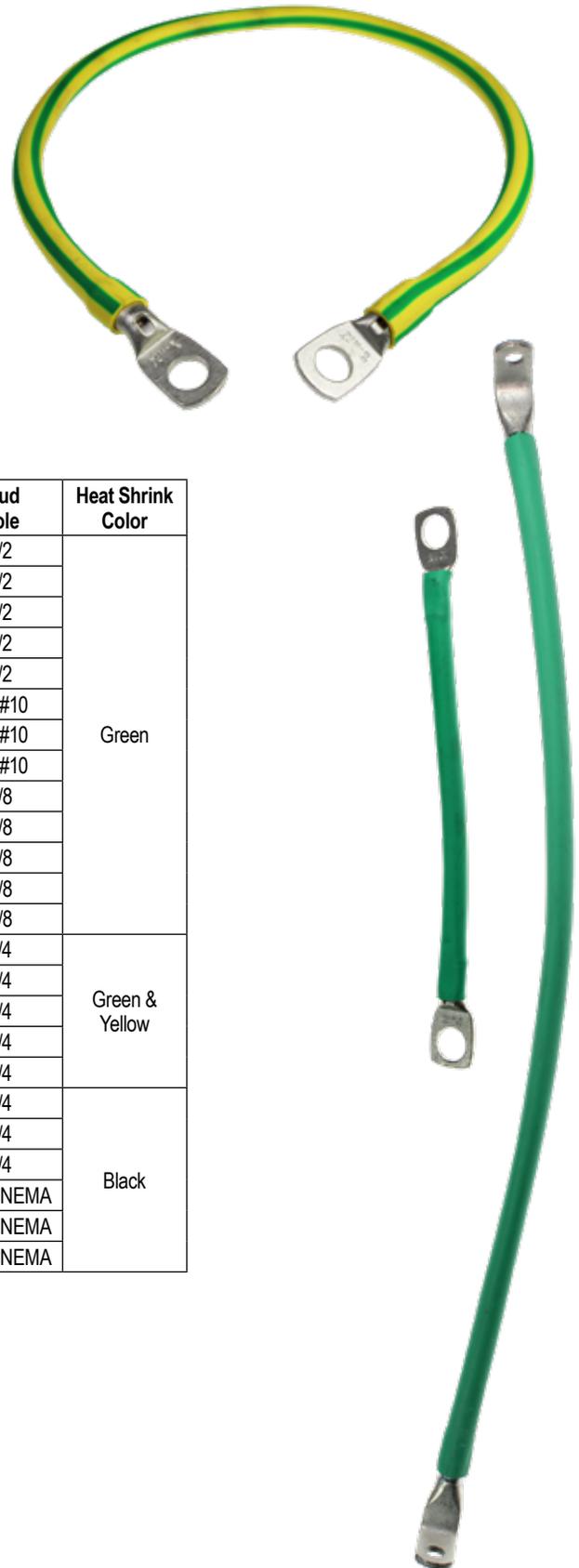
Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible tinned pure copper braid with high quality BURNDY tin plated connectors on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.



| Catalog Number | AWG Equivalent | Length (inches) | End Type | Stud Hole |
|----------------|----------------|-----------------|-----------|-----------|
| BB024L8LT14 | #6 AWG | 8.00 | Connector | 1/4 |
| BB024L12LT14 | #6 AWG | 12.00 | Connector | 1/4 |
| BB024L18LT14 | #6 AWG | 18.00 | Connector | 1/4 |
| BB024L24LT14 | #6 AWG | 24.00 | Connector | 1/4 |
| BB048L12LT14 | #4 AWG | 12.00 | Connector | 1/4 |
| BB048L18LT14 | #4 AWG | 18.00 | Connector | 1/4 |
| BB048L24LT14 | #4 AWG | 24.00 | Connector | 1/4 |
| BB048L12LT38 | #4 AWG | 12.00 | Connector | 3/8 |
| BB048L18LT38 | #4 AWG | 18.00 | Connector | 3/8 |
| BB048L24LT38 | #4 AWG | 24.00 | Connector | 3/8 |
| BB048L12LT12 | #4 AWG | 12.00 | Connector | 1/2 |
| BB048L18LT12 | #4 AWG | 18.00 | Connector | 1/2 |
| BB048L24LT12 | #4 AWG | 24.00 | Connector | 1/2 |

Types CCY, B-B Covered Jumpers

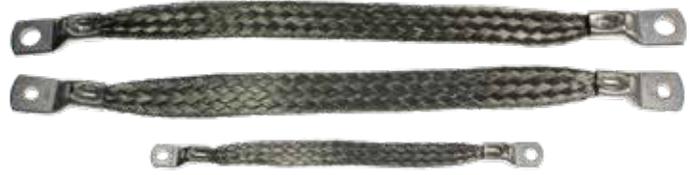
Insulated flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of extra flexible tinned pure copper braid with high quality BURNDY tin plated connectors or ferrules on each end. Other lengths, plating, insulation colors and connector sizes are available; contact BURNDY for more information.



| Catalog Number | AWG Equivalent | Length (inches) | End Type | Stud Hole | Heat Shrink Color |
|-----------------|----------------|-----------------|-----------|-------------|-------------------|
| CCY106LT12G | #10 AWG | 6.00 | Connector | 1/2 | Green |
| CCY10L9T12G | | 9.00 | | 1/2 | |
| CCY10L12T12G | | 12.00 | | 1/2 | |
| CCY10L18T12G | | 18.00 | | 1/2 | |
| CCY10L24T12G | | 24.00 | | 1/2 | |
| CCY10L12LT1090G | | 12.00 | | #8-#10 | |
| CCY10L18LT1090G | | 18.00 | | #8-#10 | |
| CCY10L24LT1090G | | 24.00 | | #8-#10 | |
| CCY10L6LT38G | | 6.00 | | 3/8 | |
| CCY10L9LT38G | | 9.00 | | 3/8 | |
| CCY10L12LT38G | 12.00 | 3/8 | | | |
| CCY10L18LT38G | 18.00 | 3/8 | | | |
| CCY10L24LT38G | 24.00 | 3/8 | | | |
| CCY10L7T14GY | #10 AWG | 7.00 | Connector | 1/4 | Green & Yellow |
| CCY10L9T14GY | | 9.00 | | 1/4 | |
| CCY10L12LT14GY | | 12.00 | | 1/4 | |
| CCY10L14LT14GY | | 14.00 | | 1/4 | |
| CCY10L18LT14GY | | 18.00 | | 1/4 | |
| BB024L12LT14B | #6 AWG | 12.00 | Connector | 1/4 | Black |
| BB024L18LT14B | | 18.00 | | 1/4 | |
| BB024L24LT14B | | 24.00 | | 1/4 | |
| BD12NB | #1 AWG | 12.00 | Ferrule | 2 hole NEMA | |
| BD18NB | | 18.00 | | 2 hole NEMA | |
| BD24NB | | 24.00 | | 2 hole NEMA | |

Type BB-SS
Stainless Steel Braid

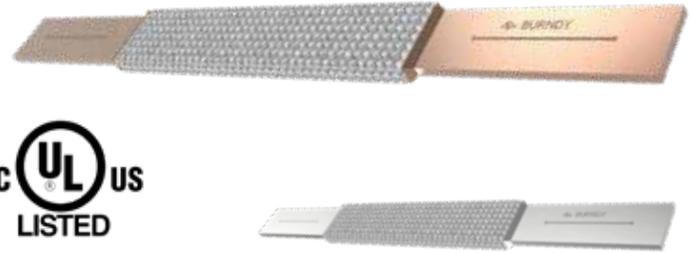
Flexible stainless steel braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of flat extra flexible stainless steel braid with high quality BURNDY tin plated connectors or ferrules on each end. Other lengths, plating and connector sizes are available; contact BURNDY for more information.



| Catalog Number | AWG Equivalent | Length (inches) | End Type | Stud Hole |
|-----------------|----------------|-----------------|-----------|-----------|
| BB024SSL6LT516 | #6 AWG | 6.00 | Connector | 5/16 |
| BB024SSL9LT516 | | 9.00 | | 5/16 |
| BB024SSL12LT516 | | 12.00 | | 5/16 |
| BB024SSL6LT38 | | 6.00 | | 3/8 |
| BB024SSL9LT38 | | 9.00 | | 3/8 |
| BB024SSL12LT38 | | 12.00 | | 3/8 |
| BB024SSL6LT14 | | 6.00 | | 1/4 |
| BB024SSL9LT14 | | 9.00 | | 1/4 |
| BB024SSL12LT14 | | 12.00 | | 1/4 |
| BB024SSL6T14 | | 6.00 | Ferrule | 1/4 |

Type B Undrilled Ferrules

Undrilled seamless pure copper ferrules are supplied with scored lines and dimples. Scored lines locate the center of the ferrule and prevent the drill from walking when drilling in this area. Dimples at the end of the scored lines represent the location of the NEMA standard hole spacing. Drill the holes you need, where you need them, using the supplied guide and the cULus Listing is retained. BURNDY undrilled braids offer a field flexible solution for almost any application!



* Add TN to the end of catalog number for tinplated ferrules

Features & Benefits

- cULus **before** drilling — cULus **after** drilling!
- Designed for unparallel field flexibility allowing custom ferrule drilling for specific applications while maintaining UL Listing
- Undrilled seamless pure copper ferrules supplied with scored lines and 'dimples' at the end representing the location of the NEMA standard hole spacing
- Scored lines locate the center of ferrule and prevent the drill from walking when drilling in this area
- Flexible copper braid jumpers take up linear expansion and contraction to compensate for movement of electrical equipment and devices

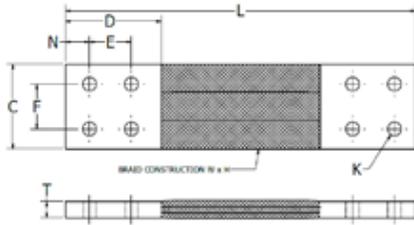
| Catalog Number | AWG Equivalent | Length (inches) | Ferrule Width (inches) | Approximate Ampere Rating | |
|----------------|----------------|-----------------|------------------------|---------------------------|---------|
| | | | | Indoor | Outdoor |
| BD12N2U | #1 AWG | 12" | .94 | 190 | 225 |
| BD18N2U | #1 AWG | 18" | .94 | 190 | 225 |
| BD24N2U | #1 AWG | 24" | .94 | 190 | 225 |
| BD36N2U | #1 AWG | 36" | .94 | 190 | 225 |
| BE12N2U | 3/0 AWG | 12" | 1.50 | 340 | 405 |
| BE18N2U | 3/0 AWG | 18" | 1.50 | 340 | 405 |
| BE24N2U | 3/0 AWG | 24" | 1.50 | 340 | 405 |
| BE36N2U | 3/0 AWG | 36" | 1.50 | 340 | 405 |
| BF12N2U | 4/0 AWG | 12" | 1.19 | 360 | 430 |
| BF18N2U | 4/0 AWG | 18" | 1.19 | 360 | 430 |
| BF24N2U | 4/0 AWG | 24" | 1.19 | 360 | 430 |
| BF36N2U | 4/0 AWG | 36" | 1.19 | 360 | 430 |
| BG12N2U | 300 kcmil | 12" | 1.50 | 415 | 495 |
| BG18N2U | 300 kcmil | 18" | 1.50 | 415 | 495 |
| BG24N2U | 300 kcmil | 24" | 1.50 | 415 | 495 |
| BG36N2U | 300 kcmil | 36" | 1.50 | 415 | 495 |

* Add TN to the end of catalog number for tin plated ferrules

Type B-4N, For use in Power Distribution Applications Braid with 4-hole NEMA Pad

Designed with a large cross sectional area and stacked layers of flexible braid material, these braids can accommodate high current applications. These braids are often found in substation applications, where they are used as a flexible connection between two rigid bus lengths. Braids are commonly used in applications where thermal expansion and contraction between rigid parts exist, components are misaligned, and in environments that have frequent vibration or shock.

Due to different stranding size and orientation, braid has been found to have a greater amperage rating when compared to typical conductors ratings set forth by the National Electric Code (NEC). The finer stranding in our braid, with more air pockets, allows for better heat dissipation with more surface area exposed to ambient air. Our ferrule-style braids offer a heavy duty contact area for more rigorous grounding and power applications.



| Catalog Number | L | C | D | E | F | K | T | N | Braid Construction (W X H) | Cross Sectional Area | | Approx. Ampere Rating * | | |
|----------------|----|---|---|------|------|------|------|------|----------------------------|----------------------|-----------------|-------------------------|--------|--------|
| | | | | | | | | | | kcmil | mm ² | Δ 30°C | Δ 45°C | Δ 60°C |
| B22F184N | 18 | 3 | 3 | 1.75 | 1.75 | 0.56 | 0.44 | 0.63 | 2 x 2 | 921 | 467 | 945 | 1135 | 1290 |
| B22F244N | 24 | | | | | | | | | | | | | |
| B22F364N | 36 | | | | | | | | | | | | | |
| B22G184N | 18 | 3 | 3 | 1.75 | 1.75 | 0.56 | 0.56 | 0.63 | 2 x 2 | 1228 | 622 | 1165 | 1400 | 1585 |
| B22G244N | 24 | | | | | | | | | | | | | |
| B22G364N | 36 | | | | | | | | | | | | | |
| B23F184N | 18 | 3 | 3 | 1.75 | 1.75 | 0.56 | 0.62 | 0.63 | 2 x 3 | 1382 | 700 | 1230 | 1475 | 1670 |
| B23F244N | 24 | | | | | | | | | | | | | |
| B23F364N | 36 | | | | | | | | | | | | | |
| B23G184N | 18 | 3 | 3 | 1.75 | 1.75 | 0.56 | 0.65 | 0.63 | 2 x 3 | 1843 | 934 | 1520 | 1825 | 2065 |
| B23G244N | 24 | | | | | | | | | | | | | |
| B23G364N | 36 | | | | | | | | | | | | | |
| B24F184N | 18 | 3 | 3 | 1.75 | 1.75 | 0.56 | 0.65 | 0.63 | 2 x 4 | 1843 | 934 | 1495 | 1795 | 2035 |
| B24F244N | 24 | | | | | | | | | | | | | |
| B24F364N | 36 | | | | | | | | | | | | | |
| B24G184N | 18 | 3 | 3 | 1.75 | 1.75 | 0.56 | 0.70 | 0.63 | 2 x 4 | 2457 | 1245 | 1865 | 2235 | 2530 |
| B24G244N | 24 | | | | | | | | | | | | | |
| B24G364N | 36 | | | | | | | | | | | | | |

*Approximate ampere ratings are calculated values based on a free air environment with a 30°C ambient temperature. These ratings are approximate and vary with ambient conditions, orientation of the braid, and other service conditions.

Add -TN suffix for tin-plated ferrules

All shown have pad drilled per 4-hole NEMA standard. Other lengths, pad sizes, hole patterns and finishes are available. Please contact the factory for details.

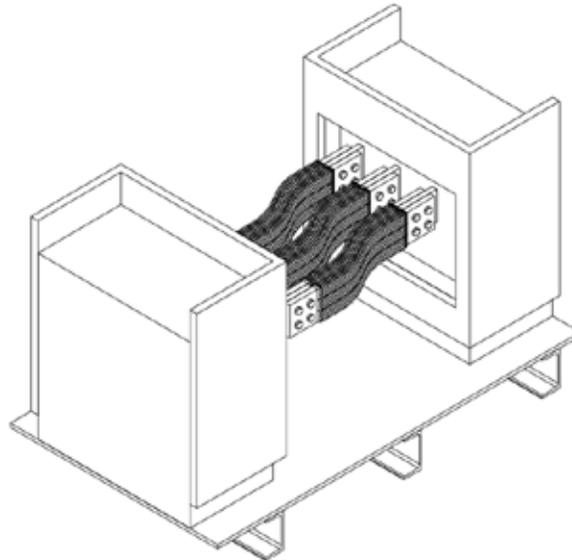
Type B-4N (Continued)

| Catalog Number | L | C | D | E | F | K | T | N | Braid Construction (W X H) | Cross Sectional Area | | Approx. Ampere Rating * | | |
|----------------|----|---|---|------|------|------|------|------|----------------------------|----------------------|-----------------|-------------------------|--------|--------|
| | | | | | | | | | | kcmil | mm ² | Δ 30°C | Δ 45°C | Δ 60°C |
| B32F184N | 18 | 4 | 4 | 1.75 | 1.75 | 0.56 | 0.50 | 1.12 | 3 x 2 | 1382 | 700 | 1330 | 1595 | 1810 |
| B32F244N | 24 | | | | | | | | | | | | | |
| B32F364N | 36 | | | | | | | | | | | | | |
| B32G184N | 18 | 4 | 4 | 1.75 | 1.75 | 0.56 | 0.56 | 1.12 | 3 x 2 | 1843 | 934 | 1635 | 1965 | 2220 |
| B32G244N | 24 | | | | | | | | | | | | | |
| B32G364N | 36 | | | | | | | | | | | | | |
| B33F184N | 18 | 4 | 4 | 1.75 | 1.75 | 0.56 | 0.65 | 1.12 | 3 x 3 | 2073 | 1050 | 1720 | 2065 | 2335 |
| B33F244N | 24 | | | | | | | | | | | | | |
| B33F364N | 36 | | | | | | | | | | | | | |
| B33G184N | 18 | 4 | 4 | 1.75 | 1.75 | 0.56 | 0.87 | 1.12 | 3 x 3 | 2764 | 1401 | 2045 | 2455 | 2775 |
| B33G244N | 24 | | | | | | | | | | | | | |
| B33G364N | 36 | | | | | | | | | | | | | |

*Approximate ampere ratings are calculated values based on a free air environment with a 30°C ambient temperature. These ratings are approximate and vary with ambient conditions, orientation of the braid, and other service conditions.

Add -TN suffix for tin-plated ferrules

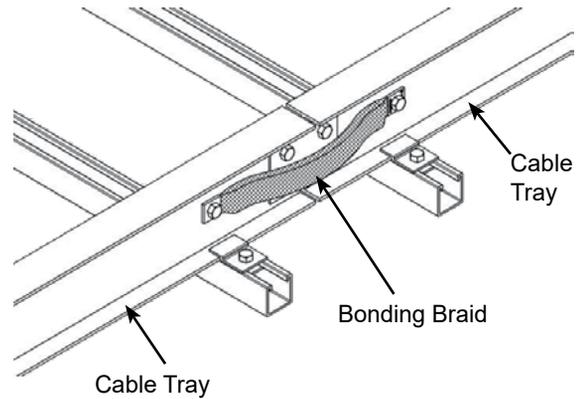
All shown have pad drilled per 4-hole NEMA standard. Other lengths, pad sizes, hole patterns and finishes are available. Please contact the factory for details.



Cable Tray Bonding Straps

BURNDY Cable Tray Bonding Straps are used to create an electrical bonding connection between two sections of cable tray to ensure a continuous path to ground.

NEC Article 250.96 requires all metallic cable trays to be grounding regardless of whether or not the cable tray is being used as an equipment grounding conductor (EGC).



| Minimum Size Equipment Grounding Conductors for Grounding Raceway and Equipment (excerpt of NEC Table 250.122) | | |
|---|---------------------|-----------------------------------|
| Rating or Setting of Automatic Overcurrent Device in Circuit Ahead of Equipment, Conduit, etc., Not Exceeding (Amperes) | Size (AWG or kcmil) | |
| | Copper | Aluminum or Copper-Clad Aluminum* |
| 200 | 6 | 4 |
| 300 | 4 | 2 |
| 400 | 3 | 1 |
| 500 | 2 | 1/0 |
| 600 | 1 | 2/0 |
| 800 | 1/0 | 3/0 |
| 1000 | 2/0 | 4/0 |
| 1200 | 3/0 | 250 |
| 1600 | 4/0 | 350 |
| 2000 | 250 | 400 |

NOTE: Where necessary to comply with 250.4(A)(5) or (B)(4), the equipment grounding conductor shall be sized larger than given in this table.

*See installation restrictions in 250.120

| BURNDY Cable Tray Bonding Straps | | | | | |
|----------------------------------|--|---------------------------|--------------------|--------------|--------|
| Catalog Number | Overcurrent Protection Device Rating (Amperes) | ** AWG Size or Equivalent | ** Length (inches) | ** Stud Size | Type† |
| BB048L12T38 | 300 | #4 | 12 | 3/8" | Braid |
| BB067L12T38 | 500 | #2 | 12 | 3/8" | Braid |
| BD12T38 | 600 | #1 | 12 | 3/8" | Braid |
| CY1CL14D50LT38 | 600 | #1 | 14.5 | 3/8" | Jumper |
| BE12T716 | 1000 | 2/0 | 12 | 7/16" | Braid |
| BF12T716 | 1600 | 4/0 | 12 | 7/16" | Braid |
| BG12T12 | 2000 | 250 kcmil | 12 | 1/2" | Braid |

**Other lengths, hole sizes, and AWG sizes or equivalents may be available, contact Customer Service

† Jumpers are manufactured using stranded bare copper code conductor with BURNDY UL Listed compression connectors on each end; Braid is manufactured of tinned, pure copper wire woven and flattened into rectangular shape for greater flexibility; ends of braids feature seamless copper ferrules.

Type BGRK Grounding Kits

BURNDY Grounding kits offer conveniently packaged components which simplify the decision making process at material acquisition and installation on the job site. These grounding kits bundle the same quality UL Listed connectors you trust with value-adding components such as: conductor, installation hardware, oxide inhibitor, labeling and installation instructions as an example. The kits are available in different variations with customized kits available upon request.

Features & Benefits

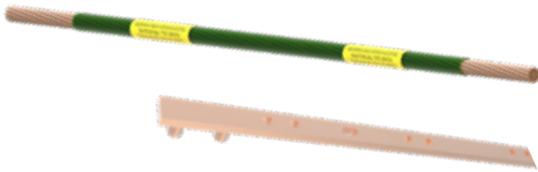
- Conveniently packaged for ease of procurement and installation
- Comprised of UL Listed components
- Wire brush free when installed with Telecom WEEB® washer
- TIA607 Compliant

6 AWG Ground Wire Kit Contents

Connectors (SERVIT® split bolt, HYDENT™ terminal, HYGROUND® C-style connector, or mechanical terminal)



Conductors (6 AWG THHN wire, green PVC coated and/or Busbar)



Labels (Caution labels, circle grounding symbol)



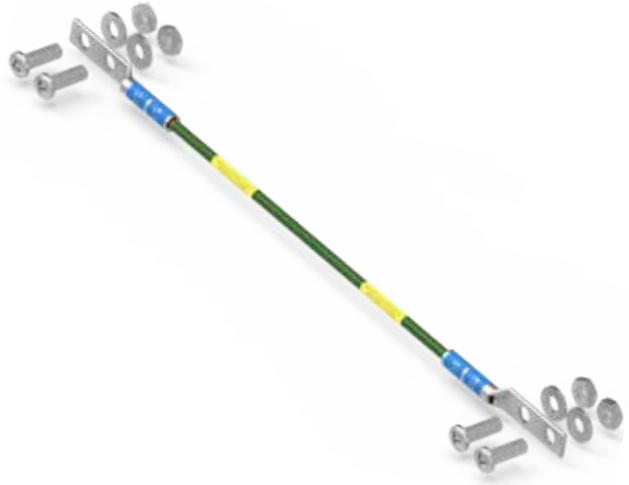
Hardware (Installation Hardware, Cable Ties, ESD Port Kit)



Oxide Inhibitor (0.5 oz tube of PENETROX™ A)



Ground Kit Example:



Application Example:
On-Rail Busbar Grounding Kit
Catalog Number:
BGRKTHC



Type BGRK

(Continued)



On-Rail Busbar Grounding Kit

| Catalog Number | Contents: |
|----------------|---|
| BGRKTHC | 19" Busbar with insulators |
| | 60" of #6 AWG THHN wire, green PVC coated |
| | YAZ6C2TC14 terminal (precrimped) |
| | Busbar hardware kit |
| | ESD port kit |
| | 8" black cable management straps |
| | Caution and Grounding labels |
| | 0.5 oz. PENETROX™ A oxide inhibitor |

Application Example:
On-Rail Busbar Grounding Kit
Catalog Number: **BGRKTHC**



In Cabinet Busbar Grounding Kit

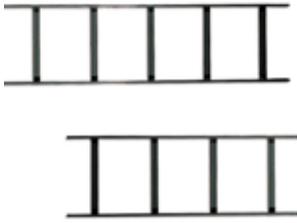
| Catalog Number | Contents: |
|----------------|---|
| BGRKTVC | 36" Busbar |
| | 60" of #6 AWG THHN wire, green PVC coated |
| | YAZ6C2TC14 terminal (precrimped) |
| | Busbar hardware kit |
| | ESD port kit |
| | 8" black cable management straps |
| | Caution and Grounding labels |
| | 0.5 oz. PENETROX™ A oxide inhibitor |

Application Example:
In Cabinet Busbar Grounding Kit
Catalog Number: **BGRKTVC**



Type BGRK

(Continued)



Ladder and Tray Grounding Kit

| Catalog Number | Contents: |
|--------------------|--|
| BGRKTKA9KA5 | 9" #6 AWG THHN wire, green PVC coated (9 pieces) |
| | KA6U mechanical terminal (10 pieces) |
| | Ground Kit Installation Hardware |
| | Caution and Grounding labels |
| | 0.5 oz. PENETROX™ A oxide inhibitor |



Catalog Number:
BGRKTKA9KA5



Wire Basket Tray Bonding Jumper Kit

| Catalog Number | Contents: |
|-----------------|--|
| BGRKTWB5 | 9" #6 AWG THHN wire, green PVC coated (9 pieces) |
| | KS23 mechanical SERVIT® split bolt (10 pieces) |
| | Ground Kit Installation Hardware |
| | Caution and Grounding labels |



Catalog Number:
BGRKTWB5

Type BGRK

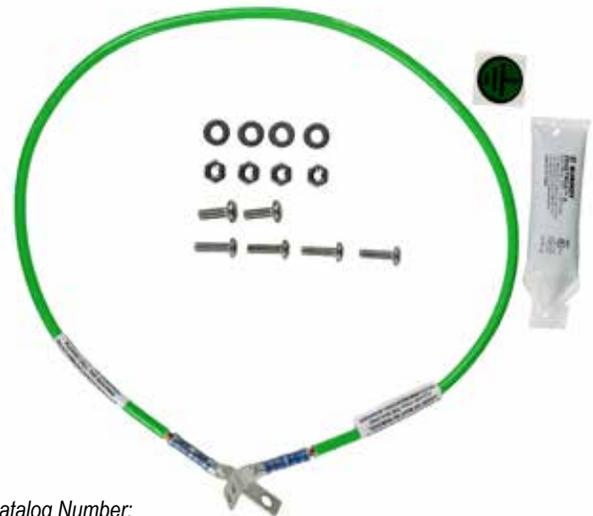
(Continued)

Ground Conductor / Jumper Kits

| Catalog Number | Contents: |
|--------------------|--|
| BGRKTD9D | 9" #6 AWG THHN wire, green PVC coated |
| | YAZ6C2TC14 HYDENT™ terminals precrimped to each end of conductor |
| | Ground Kit Installation Hardware |
| | Caution and Grounding labels |
| | 0.5 oz. PENETROX™ A oxide inhibitor |
| BGRKTD30DN | 30" #6 AWG THHN wire, green PVC coated |
| | YAZ6C2TC14 HYDENT™ terminals precrimped to one end of conductor |
| | YAZ6C2TC1490 HYDENT™ terminals precrimped to other end of conductor |
| | Ground Kit Installation Hardware |
| | Caution and Grounding labels |
| BGRKTD60C46 | 60" #6 AWG THHN wire, green PVC coated |
| | YAZ6C2TC14 HYDENT™ terminal precrimped to one end of conductor |
| | YC4C6 Copper CRIMPIT™ connector precrimped to the other end of conductor |
| | Ground Kit Installation Hardware |
| | Caution and Grounding labels |
| | 0.5 oz PENETROX™ A oxide inhibitor |



Catalog Number:
BGRKTD9D



Catalog Number:
BGRKTD30DN



Catalog Number:
BGRKTD60C46

Type BBB Copper Bus Bar

Bare copper BusBar, UL Listed for grounding. Available in many sizes and hole patterns. Brackets and insulators included with most styles. Also available in undrilled, horizontal and vertical versions. BusBar is used in a variety of applications. Can be used as a common ground point and “power” applications as well.

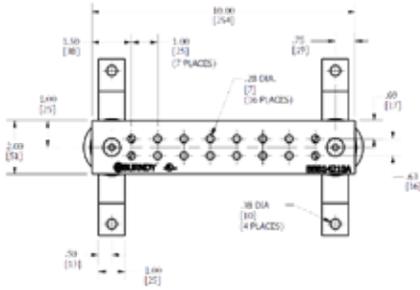
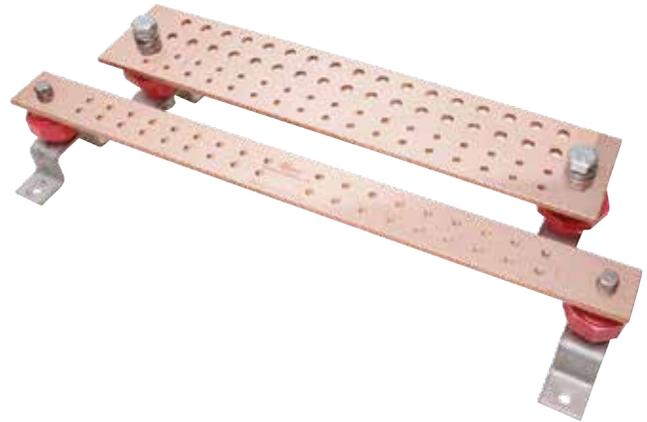


Figure 1

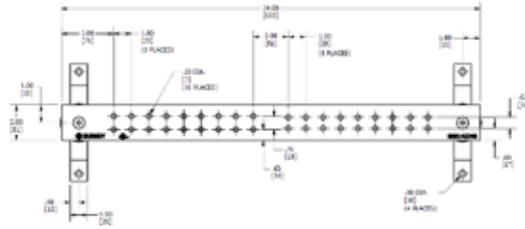


Figure 2

| Catalog Number | Fig No. | T - Bar Thickness | W - Bar Width | L - Bar Length | E1 | E2 | E3 | F1 | F2 | No. of Holes | K |
|----------------|---------|-------------------|---------------|----------------|------|------|------|------|------|--------------|------|
| BBB14210A | 1 | 1/4" | 2 in | 10" | 0.63 | — | — | 1.00 | — | 16 | 0.28 |
| BBB14224B | 2 | 1/4" | 2 in | 24" | 0.62 | 0.75 | — | 1.00 | 1.00 | 36 | 0.28 |
| BBB14410C | 3 | 1/4" | 4 in | 10" | 0.75 | 1.00 | — | 1.25 | — | 22 | 0.44 |
| BBB14410D | 4 | 1/4" | 4 in | 10" | 1.25 | 1.00 | — | 1.13 | 1.13 | 22 | 0.44 |
| BBB14412E | 5 | 1/4" | 4 in | 12" | 0.75 | 1.00 | — | 2.00 | 1.25 | 18 | 0.44 |
| BBB14412F | 6 | 1/4" | 4 in | 12" | 1.00 | 0.75 | — | 2.00 | 1.25 | 24 | 0.44 |
| BBB14416G | 7 | 1/4" | 4 in | 16" | 0.75 | 1.00 | — | 1.69 | — | 24 | 0.44 |
| BBB14416H | 8 | 1/4" | 4 in | 16" | 1.00 | 1.00 | 0.75 | 1.69 | — | 32 | 0.44 |
| BBB14420J | 9 | 1/4" | 4 in | 20" | 1.00 | 1.00 | 0.75 | 1.00 | — | 68 | 0.44 |
| BBB412UD | — | 1/4" | 4 in | 12" | N/A | N/A | N/A | N/A | N/A | 0 | — |
| BBB424UD | — | 1/4" | 4 in | 24" | N/A | N/A | N/A | N/A | N/A | 0 | — |
| BBBHR19** | — | 3/16" | 3/4 in | 19" | 0.38 | — | — | — | — | 8 | — |
| BBBVR36** | — | 1/4" | 5/8 in | 36" | 0.32 | — | — | — | — | 16 | — |

* Contact factory for custom sizes.

NOTE:

**BBBHR19 and BBBVR36 do not include insulator and brackets.
For separately ordering Insulator & Brackets use catalog number **B38723000**.

Type BBB (Continued)

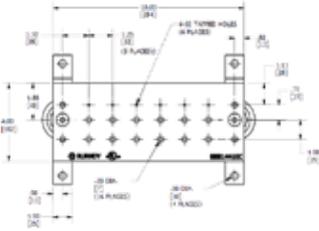


Figure 3

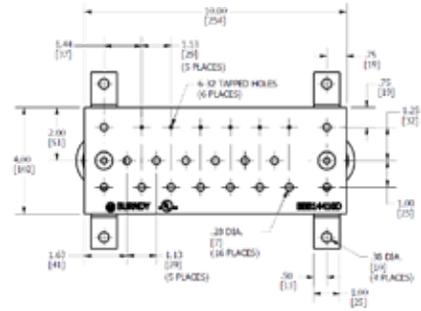


Figure 4

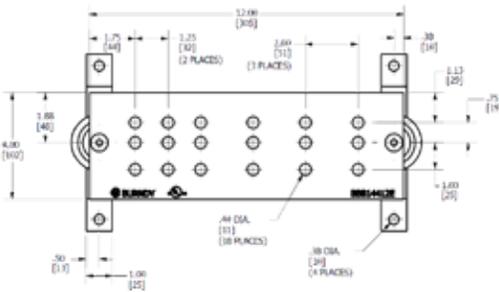


Figure 5

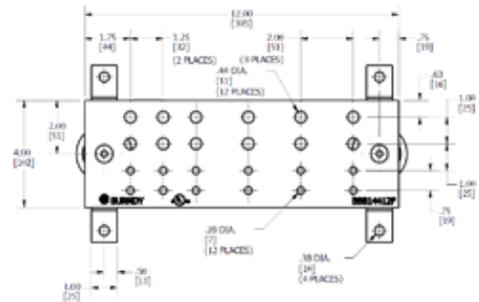


Figure 6

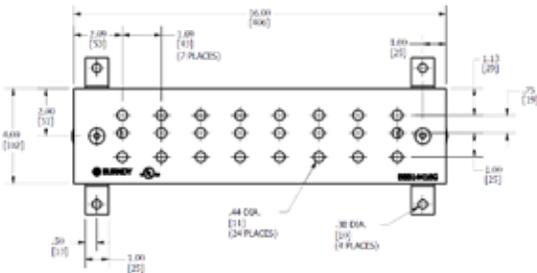


Figure 7

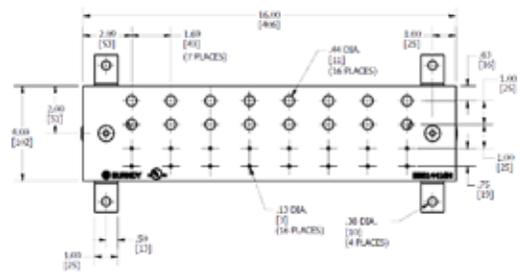


Figure 8

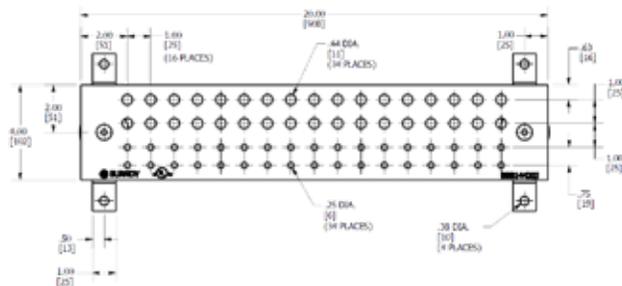


Figure 9

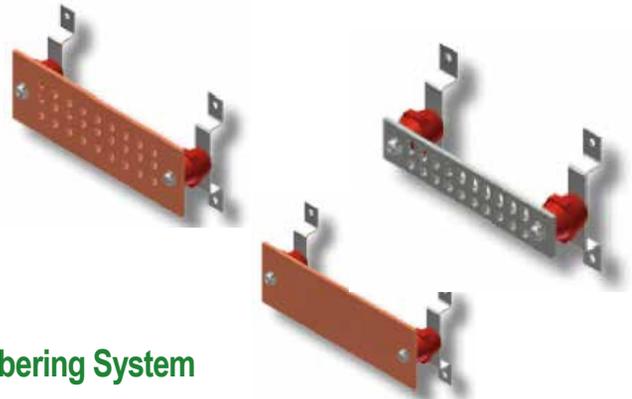
Mechanical Grounding

Copper, Tinned Copper and Stainless Steel Bus or Ground Bar

Bus or Ground Bars

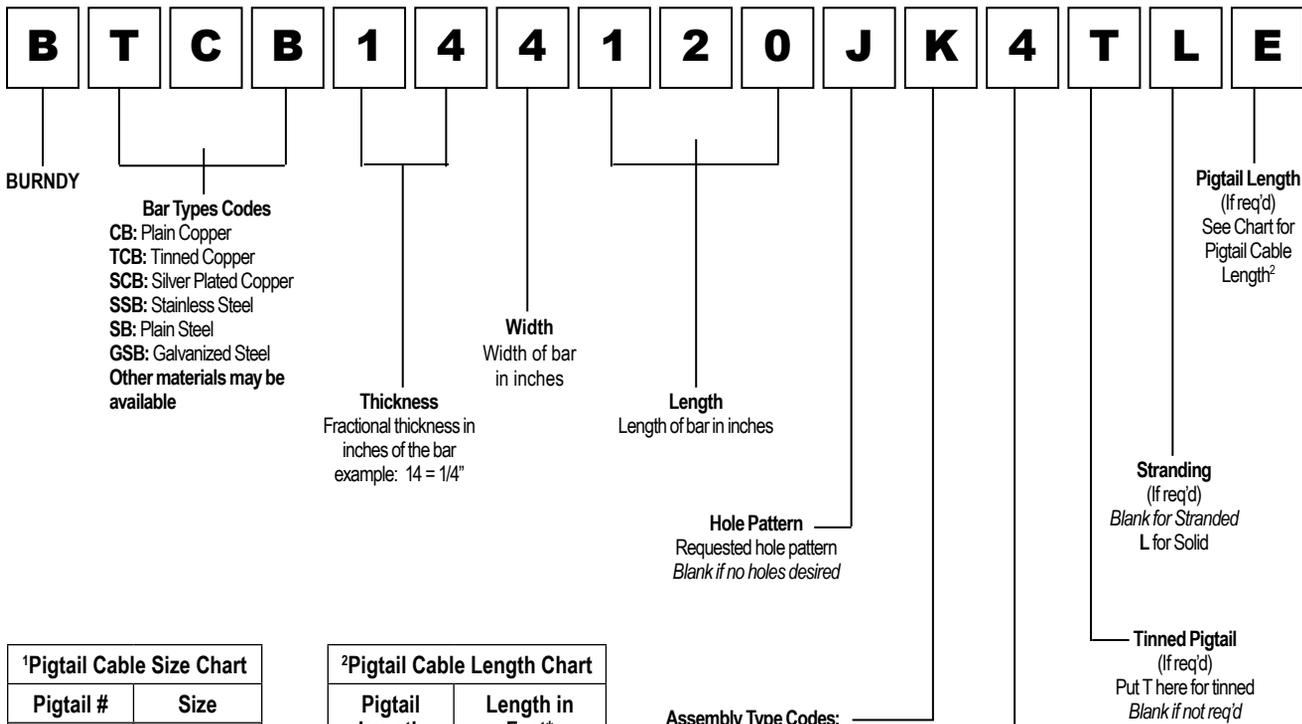
Copper, Tinned Copper, and Stainless Steel Bus or Ground Bar

cULus Listed bus or ground bars are available in a wide variety of configurations, hole and slot patterns, unplated copper, tin plated or stainless steel. These bars are available with or without brackets and insulators, a plexiglass cover is also available. For special applications necessitating a non-standard configuration, please contact Customer Service or your local sales representative..



Bus or Ground Bar Numbering System

Below is a guide on how to understand the ground bar numbering system. Each character of the catalog number represents specific details of our bars. Please note that other sizes, materials, and options may be available. Contact Customer Service or your local sales representative for more information.



| Pigtail # | Size |
|-----------|-----------|
| 1 | #6 |
| 2 | #4 |
| 3 | 250 kcmil |
| 4 | #2 |
| 5 | #1 |
| 6 | 1/0 |
| 7 | 2/0 |
| 8 | 500 kcmil |
| 9 | 4/0 |

| Pigtail Length | Length in Feet* |
|----------------|-----------------|
| A | 2' |
| B | 5' |
| C | 10' |
| D | 15' |
| E | 20' |
| F | 25' |
| G | 30' |
| H | 35' |

- Assembly Type Codes:**
- K:** Brackets & Insulators
 - B:** Brackets Only
 - I:** Insulators Only
 - C:** Beam Clamps & Insulators
 - A:** Brackets & Insulators with Anti-Theft Bolts
 - P:** Plexiglass Cover (includes Brackets & Insulators)
 - T:** TMGB Telecom Main Ground Bar Plexiglass Cover (includes Brackets & Insulators)
 - U:** Universal (Includes Brackets, Insulators, Beam Clamps and Drive-In Anchors)
- Blank for Nothing (Bar ONLY)

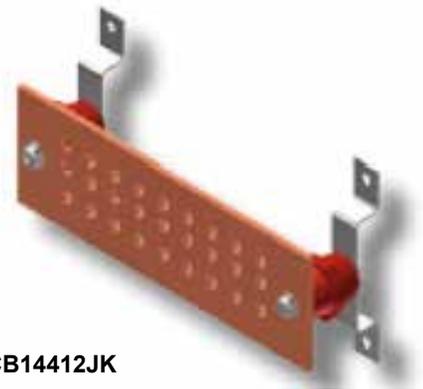
*Custom lengths available
 Contact the factory for more information

Types BCB, BTCB, BSSB

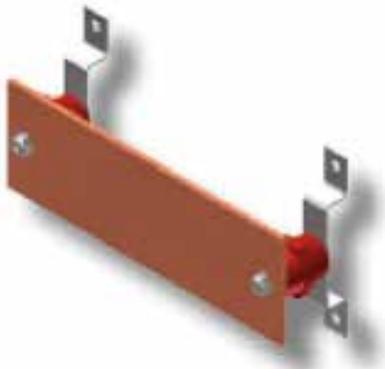
Copper, Tinned Copper, and Stainless Steel
Bus or Ground Bar



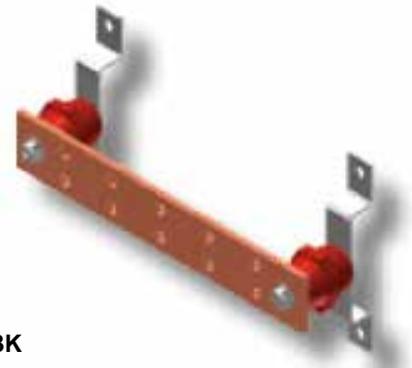
cULus Listed bus or ground bars are available in a wide variety of configurations, hole and slot patterns, unplated copper, tin plated or stainless steel. These bars are available with or without brackets and insulators, a plexiglass cover is also available. For special applications necessitating a non-standard configuration, please contact Customer Service or your local sales representative..



BCB14412JK



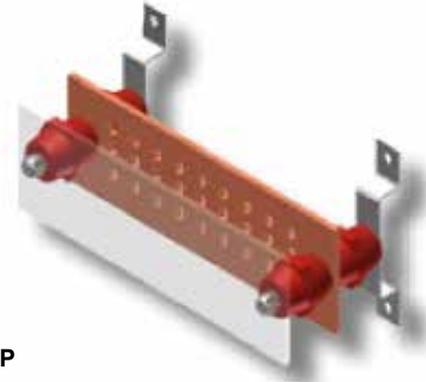
BCB14412NK



BCB14212BK



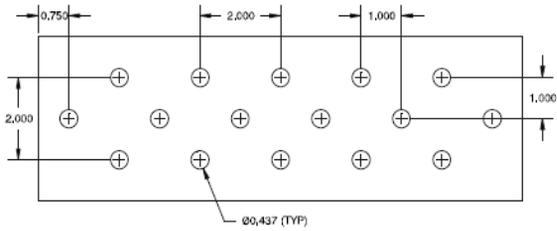
BTCB14210PK



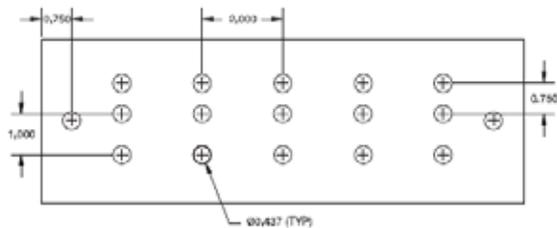
BCB14412JP

| Catalog Number | Hole Pattern | Insulator & Bracket | Tinned | Bar Size | # of Holes |
|----------------|--------------|---------------------|--------|-----------------|------------|
| BCB14412JK | J | Yes | No | 1/4" x 4" x 12" | 27 |
| BCB14412M | M | No | No | 1/4" x 4" x 12" | 48 |
| BCB14412MK | M | Yes | No | 1/4" x 4" x 12" | 48 |
| BCB14210P | P | No | No | 1/4" x 2" x 10" | 26 |
| BCB14210PK | P | Yes | No | 1/4" x 2" x 10" | 26 |
| BCB14212P | P | No | No | 1/4" x 2" x 12" | 26 |
| BCB14212PK | P | Yes | No | 1/4" x 2" x 12" | 26 |

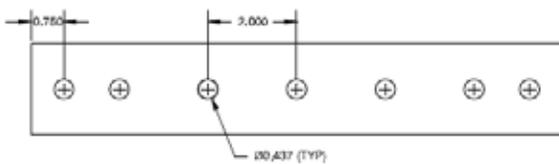
Types BCB, BTCB, BSSB (Continued)



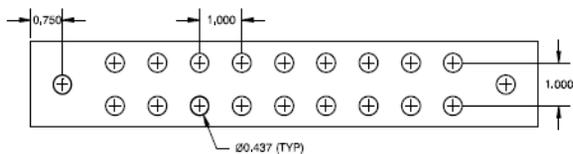
Pattern A



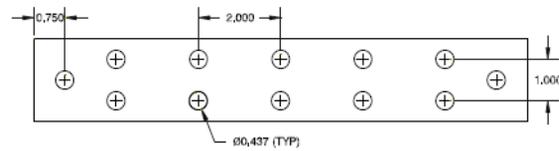
Pattern C



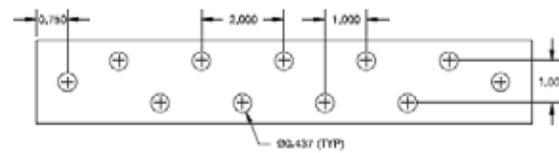
Pattern E



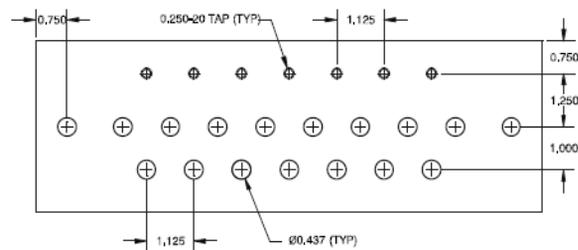
Pattern G



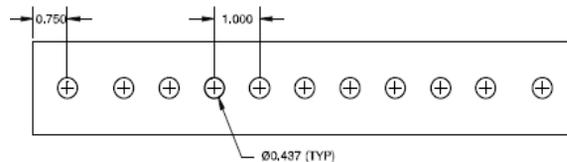
Pattern B



Pattern D



Pattern F



Pattern H

NOTES:

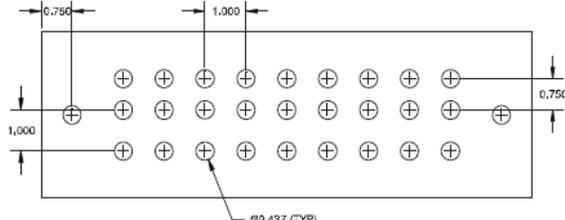
- All holes are 7/16" unless specified differently. To order threaded holes, specify hole size; the standard tapped hole size is 1/4"-20 unless specified otherwise
- Above bar patterns represent a 12" ground bar
- All bars are available with electro-tin plating

Type BCB (Continued)

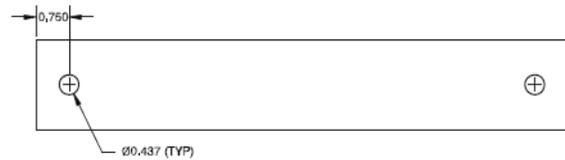


NOTE:

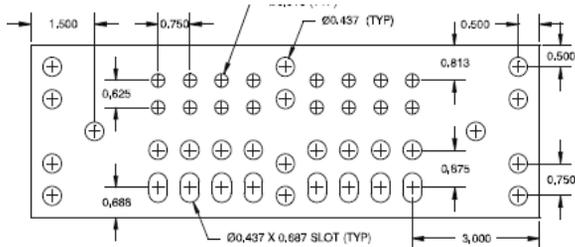
For telecom ground bars - see Pattern S (next pages)



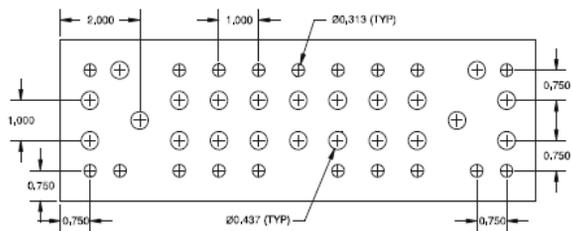
Pattern J



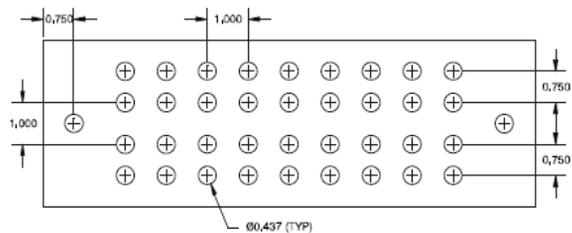
Pattern N



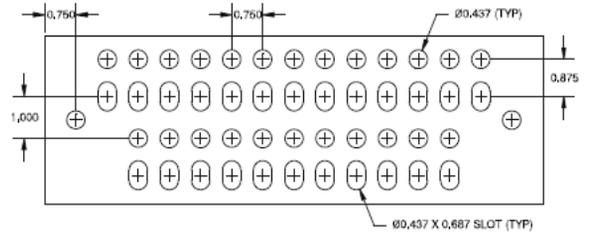
Pattern Q



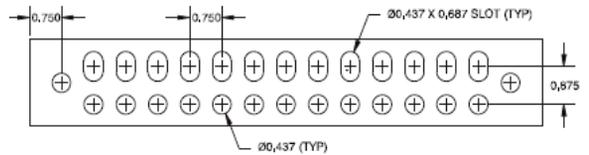
Pattern T



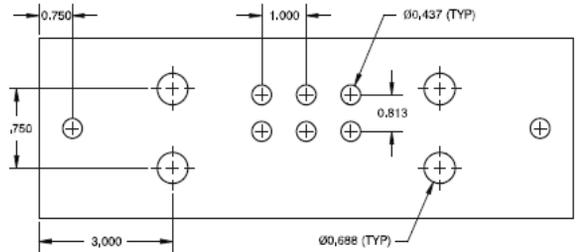
Pattern W



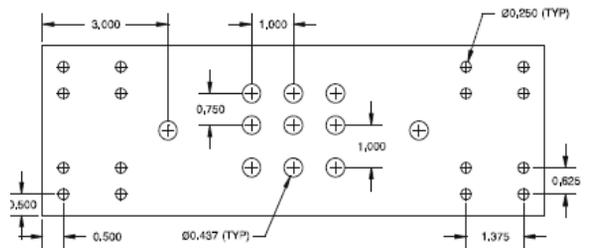
Pattern M



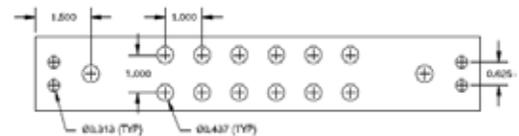
Pattern P



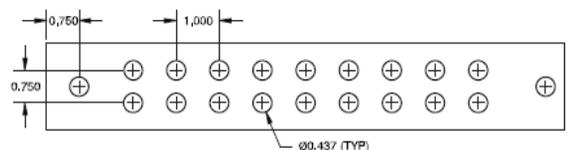
Pattern R



Pattern V



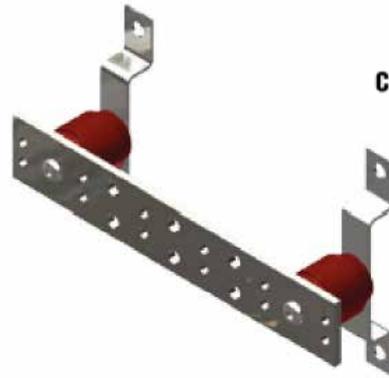
Pattern X



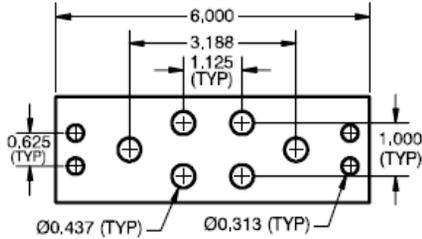
Pattern Z

Type BCB (Pattern S) 2" Telecom Bus or Ground Bar

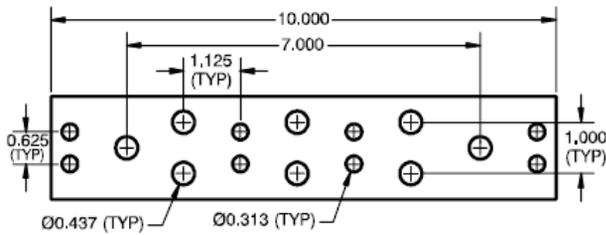
Catalog numbers as shown below are for the BAR ONLY; if you would like the kit (includes brackets and insulators) add K to the end of the catalog number (example shown to the right).



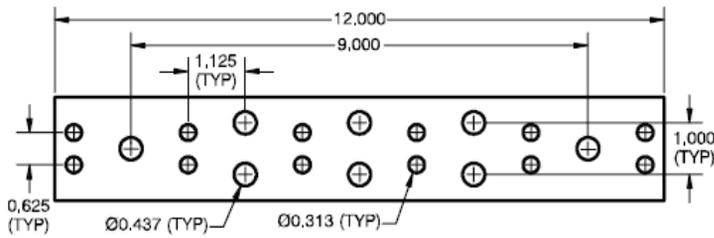
BTCB14212SK



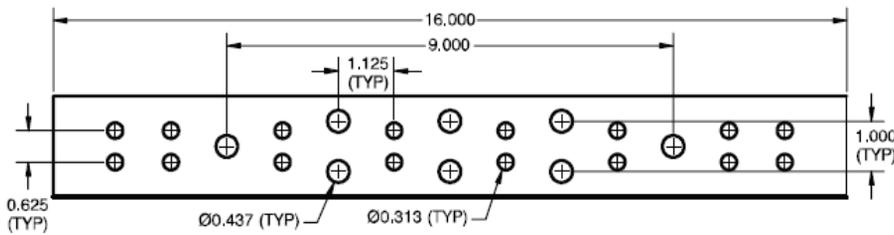
BCB1426S



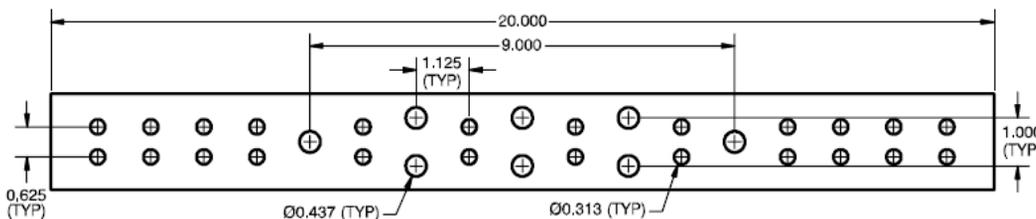
BCB14210S



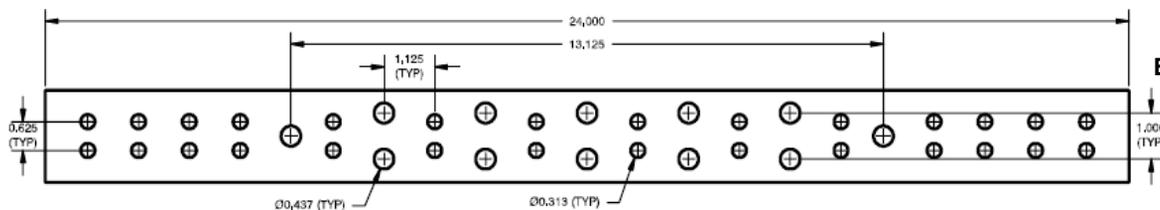
BCB14212S



BCB14216S



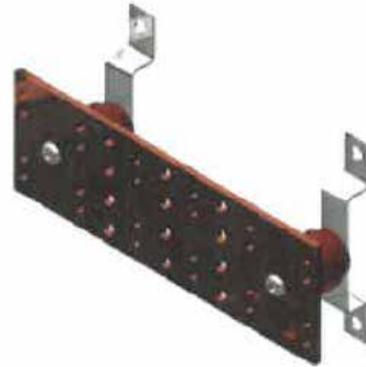
BCB14220S



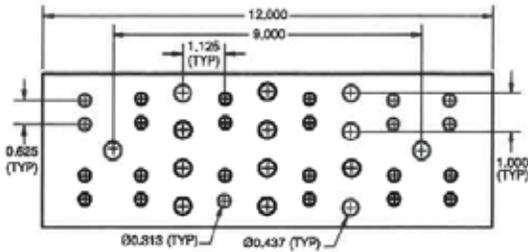
BCB14224S

Type BCB (Pattern S) 4" Telecom Bus or Ground Bar

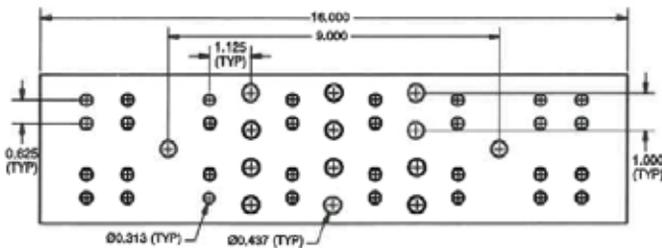
Catalog numbers as shown below are for the BAR ONLY; if you would like the kit (includes brackets and insulators) add K to the end of the catalog number (example shown to the right).



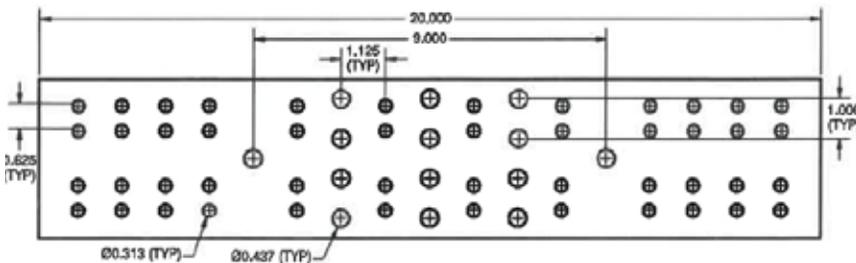
BCB14412SK



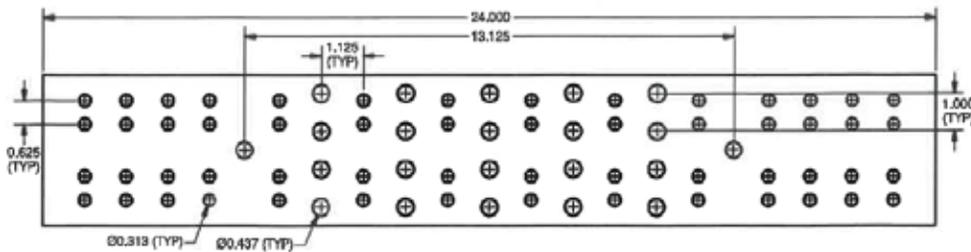
BCB14412S



BCB14416S



BCB14420S



BCB14424S

Type BCB (Patterns J and M) Ground Bar



| Pattern J | | | | |
|----------------|--------------------------------|--------|-----------------|------------|
| Catalog Number | Description | Tinned | Bar Size | # of Holes |
| BCB14412J | Bar Only | No | 1/4" x 4" x 12" | 27 |
| BTCB14412J | | Yes | 1/4" x 4" x 12" | 27 |
| BCB14412JK | Bar with Insulators & Brackets | No | 1/4" x 4" x 12" | 27 |
| BTCB14412JK | | Yes | 1/4" x 4" x 12" | 27 |
| BCB14420J | Bar Only | No | 1/4" x 4" x 20" | 51 |
| BTCB14420J | | Yes | 1/4" x 4" x 20" | 51 |
| BCB14420JK | Bar with Insulators & Brackets | No | 1/4" x 4" x 20" | 51 |
| BTCB14420JK | | Yes | 1/4" x 4" x 20" | 51 |
| BCB14424J | Bar Only | No | 1/4" x 4" x 24" | 63 |
| BTCB14424J | | Yes | 1/4" x 4" x 24" | 63 |
| BCB14424JK | Bar with Insulators & Brackets | No | 1/4" x 4" x 24" | 63 |
| BTCB14424JK | | Yes | 1/4" x 4" x 24" | 63 |

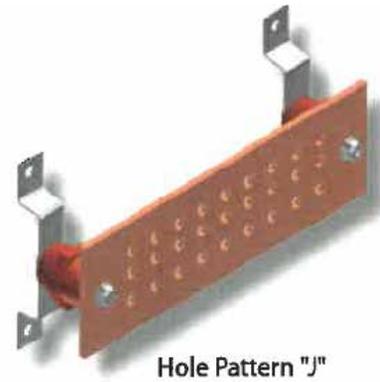
NOTES:

- Mounting holes not included in total
- Accommodates 2-hole lugs spaced 3/4", 1", and 1-3/4" on center
- 12" bar pictures; holes are 7/16" diameter
- Bars available electro-tin plated; with pigtails, tamper proof bolts, plexiglass cover
- Other sizes available, contact factory for details

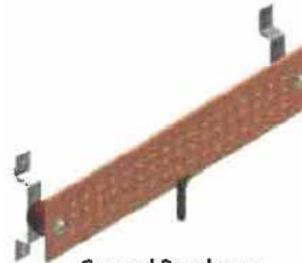
| Pattern M | | | | |
|----------------|--------------------------------|--------|-----------------|------------|
| Catalog Number | Description | Tinned | Bar Size | # of Holes |
| BCB14412M | Bar Only | No | 1/4" x 4" x 12" | 48 |
| BTCB14412M | | Yes | 1/4" x 4" x 12" | 48 |
| BCB14412MK | Bar with Insulators & Brackets | No | 1/4" x 4" x 12" | 48 |
| BTCB14412MK | | Yes | 1/4" x 4" x 12" | 48 |
| BCB14420M | Bar Only | No | 1/4" x 4" x 20" | 88 |
| BTCB14420M | | Yes | 1/4" x 4" x 20" | 88 |
| BCB14420MK | Bar with Insulators & Brackets | No | 1/4" x 4" x 20" | 88 |
| BTCB14420MK | | Yes | 1/4" x 4" x 20" | 88 |
| BCB14424M | Bar Only | No | 1/4" x 4" x 24" | 112 |
| BTCB14424M | | Yes | 1/4" x 4" x 24" | 112 |
| BCB14424MK | Bar with Insulators & Brackets | No | 1/4" x 4" x 24" | 112 |
| BTCB14424MK | | Yes | 1/4" x 4" x 24" | 112 |

NOTES:

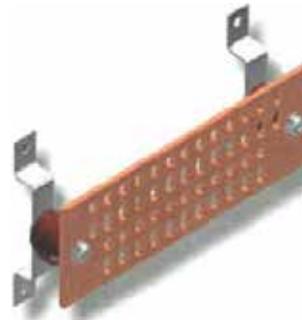
- Mounting holes not included in total
- Accommodates 2-hole lugs spaced 3/4" and 1" on center
- 12" bar pictures; holes are 7/16" diameter, slots are 7/16" x 11/16"
- Bars available electro-tin plated; tamper proof bolts, plexiglass cover
- Other sizes available, contact factory for details



Hole Pattern "J"



Ground Bar shown with optional pigtail.



Hole Pattern "M"

Type BCB (Pattern P) Ground Bar



| Pattern P | | | | |
|----------------|--------------------------------|--------|-----------------|------------|
| Catalog Number | Description | Tinned | Bar Size | # of Holes |
| BCB1412P | Bar Only | No | 1/4" x 2" x 12" | 26 |
| BTCB14212P | | Yes | 1/4" x 2" x 12" | 26 |
| BCB14212PK | Bar with Insulators & Brackets | No | 1/4" x 2" x 12" | 26 |
| BTCB14212PK | | Yes | 1/4" x 2" x 12" | 26 |

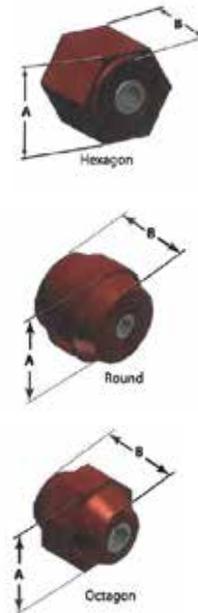


NOTES:

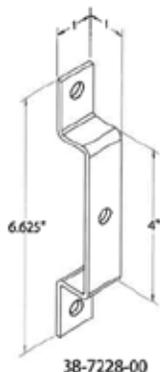
- Mounting holes not included in total
- Accommodates 2-hole lugs spaced 3/4" and 1" on center
- 12" bar pictures; holes are 7/16" diameter; slots are 7/16" x 11/16"
- Bars available electro-tin plated; with pigtails, tamper proof bolts, plexiglass cover
- Other sizes available, contact factory for details

Standoff Insulators (Red)

| Manufactured from glass reinforced thermoset polyester | | | | | |
|--|--------|--------|---------|---------------------|----------------|
| Catalog Number | A | B | Shape | Thread Size | Voltage Rating |
| B38-6330-00 | 1" | 1" | Hexagon | 1/4"-20 x 5/16" AL | 600 |
| B38-6330-01 | 1" | 1-1/4" | Hexagon | 1/4"-20 x 5/16" AL | 600 |
| B38-6331-00 | 2" | 1-1/2" | Octagon | 1/4"-20 x 7/16" STL | 1500 |
| B38-6333-00 | 1-3/4" | 2" | Round | 3/8"-16 x 9/16" STL | 2500 |
| B38-6334-00 | 2" | 2" | Octagon | 1/2"-13 x 5/8" STL | 2500 |
| B38-6334-01 | 2" | 2" | Octagon | 3/8"-16 x 9/16" STL | 2500 |
| B38-7725-00 | 2" | 2-1/4" | Octagon | 3/8"-16 x 9/16" STL | 2700 |
| B38-7725-01 | 2" | 2-1/4" | Octagon | 1/2"-13 x 5/8" STL | 2700 |
| B38-6335-00 | 2-1/2" | 2-5/8" | Octagon | 5/8"-11 x 3/4" AL | 3400 |



Mounting Brackets



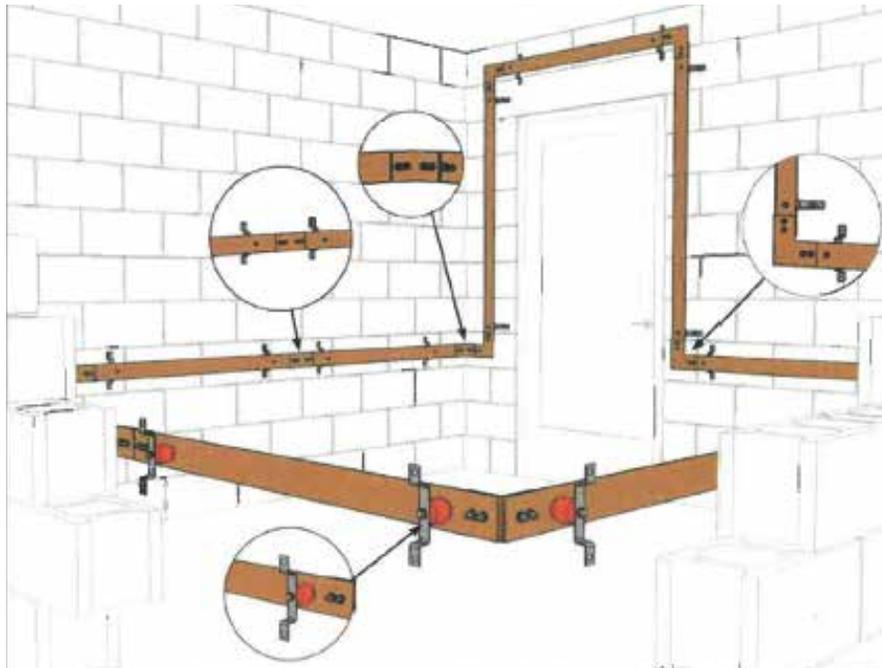
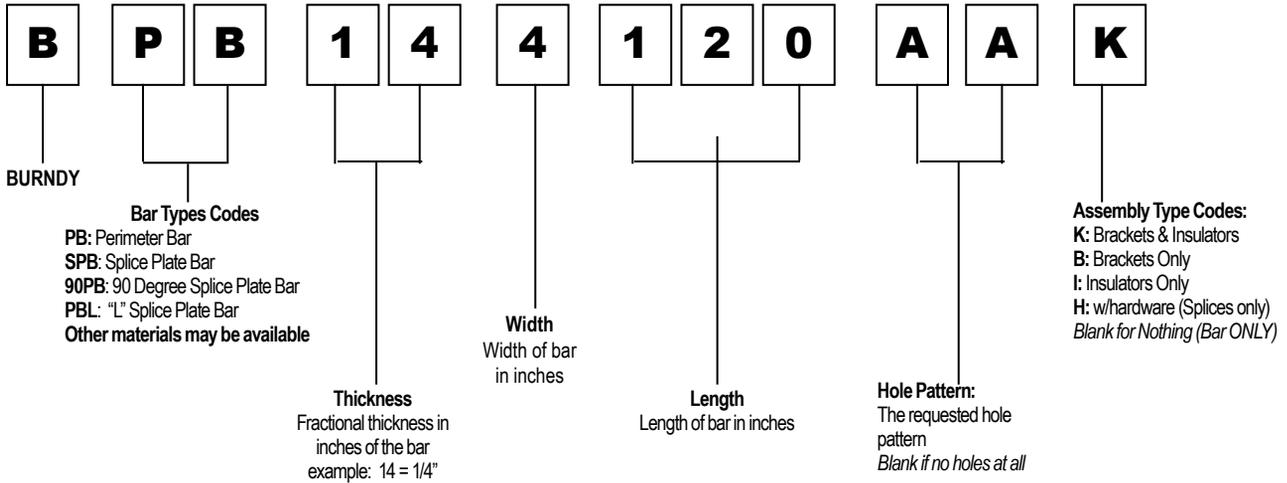
| Catalog Number | Mounting Hole Size | H | Kit? |
|----------------|--------------------|----|------|
| B38-7230-00 | 7/16" | 1" | Yes |
| B38-7228-00 | 7/16" | 1" | No |

NOTES:

- Manufactured from 304 Stainless Steel
- Kit includes 2 of the assembly (pictured) plus the 3/8" hardware required to mount to a ground bar
- Mounting Kit uses B38-6333-00 insulators (round)

Perimeter Bar Numbering System

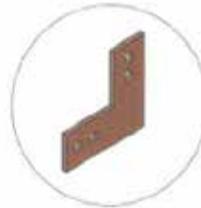
Below is a guide on how to understand the perimeter bus bar numbering system. Each digit of the catalog number represents specific details. Please note that other sizes, materials, and options may be available. Contact Customer Service or your local sales representative for more information. The example below indicates a plain copper perimeter bar, 1/4" thick, 10' (120") long, with hole pattern AA, includes brackets and insulators.



SPB Splice Plate



90SPB Splice Plate



PLB Splice Plate

Perimeter Bus Bars

A perimeter bus bar system is designed to terminate ground wires and cables from equipment and other devices within a structure. The system encompasses straight bars, elbows, splicers, insulators and mounting brackets. This versatile system is great for clean rooms, data centers and laboratories when designing around corners and doors. Technical support can help with the designing of your system to meet your specific design criteria.

| Perimeter Bus Bar Splices | |
|---------------------------|--|
| Catalog Number | Description |
| BSPB1426NN | 2" SPB Splice Plate |
| BSPB1426NH | 2" SPB Splice Plate with Hardware* |
| BSPB1449NN | 4" SPB Splice Plate |
| BSPB1449NH | 4" SPB Splice Plate with Hardware* |
| B90PB1424NN | 2" 90 Degree SPB Splice Plate |
| B90PB1424NH | 2" 90 Degree SPB Splice Plate with Hardware* |
| B90PB1446NN | 4" 90 Degree SPB Splice Plate |
| B90PB1446NH | 4" 90 Degree SPB Splice Plate with Hardware* |
| BPLB1425NN | 2" L Shape PBL Splice Plate |
| BPLB1425NH | 2" L Shape PBL Splice Plate with Hardware* |
| BPLB1448NN | 4" L Shape PBL Splice Plate |
| BPLB1448NH | 4" L Shape PBL Splice Plate with Hardware* |



**B38-7230-01
 Mounting Kit**
*(included by adding K to
 catalog number)
 or may be purchased
 separately.*

NOTES:

- With Hardware: consists of nuts, bolts and washers
- Mounting Kit B38-7230-01 included by adding suffix K; or available separately

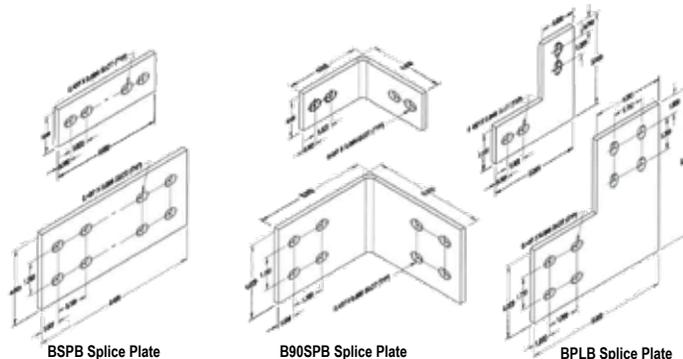
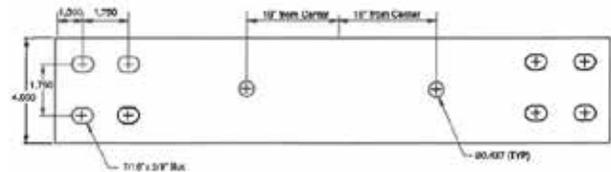
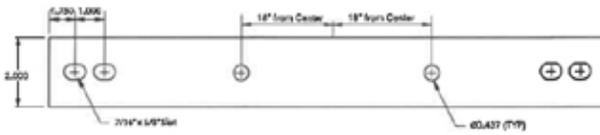
NN Pattern

No hole pattern except mounting holes. Can be made to any length.



AA Pattern

Holes are spaced 36" apart, can be made to any length.



Mechanical Grounding

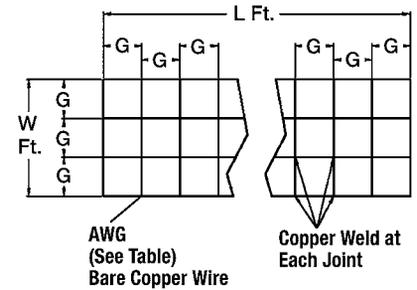
GRIDMAX® Grounding, Personnel Safety Mats, Equipotential Bonding, Pool/Spa Grounding

BURNDY® GRIDMAX®

Grounding, Personnel Safety Mats, Equipotential Bonding, Pool and Spa Grounding

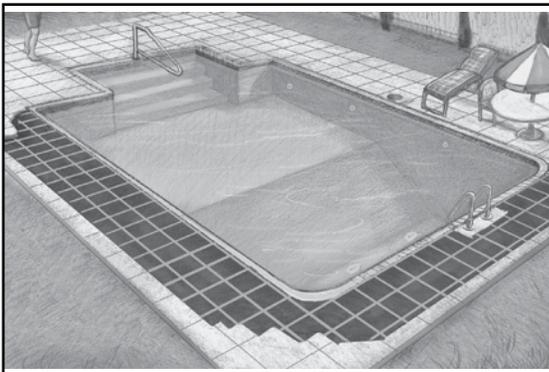
Features and Benefits:

- Manufactured from bare solid copper
- Spaced on 4", 6", or 12" centers
- Copper to copper weld with 15% silver
- Furnished in section with lengths from 4' to 100'
- Easily and economically installed using BURNDYWeld® exothermic process, HYGROUND® Compression system, or our full line of Mechanical connectors
- Sizes of GRIDMAX® specifically designed for the Pool and Spa market of 3' x 100' and 3' x 50', but can be used where any large area grounds are required

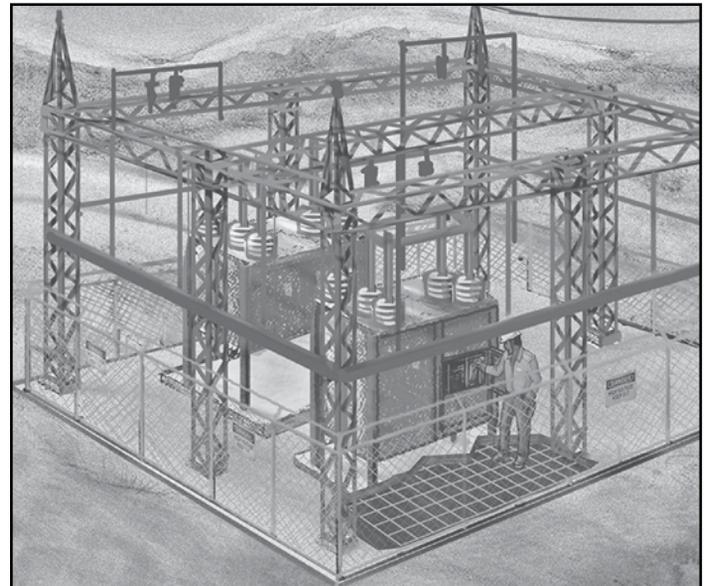


| Catalog Number | Conductor | Dimensions | | |
|----------------|-----------|-------------|------------|-----------|
| | | G (spacing) | L (length) | W (width) |
| BGM3100 | 8 AWG | 12" | 100' | 3' |
| BGM3050 | 8 AWG | 12" | 50' | 3' |
| BGM640044 | 6 AWG | 4" | 4' | 4' |
| BGM640068 | 6 AWG | 8" | 6' | 4' |
| BGM64006 | 6 AWG | 12" | 6' | 4' |
| BGM640066 | 6 AWG | 6" | 6' | 4' |

Call for custom mats



Example:
GRIDMAX®
3' wide in pool area



Example:
GRIDMAX®
Personnel Safety Mat

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BURNDYWeld® Exothermic Process

The BURNDYWeld® connection process is a simple, efficient method of welding copper to copper or copper to steel. One advantage is that NO outside power is required when using the BURNDYWeld® exothermic process. The BURNDYWeld® process uses high temperature reaction of powdered copper oxide and aluminum. The reaction takes place in a semi-permanent graphite mold. These molds will last for fifty or more welds if proper care is given. The reaction takes place very rapidly, therefore the total amount of heat applied to the conductors or surfaces is considerably less than that of brazing or soldering. It is important to remember this when welding to insulated cable or thin wall pipe.

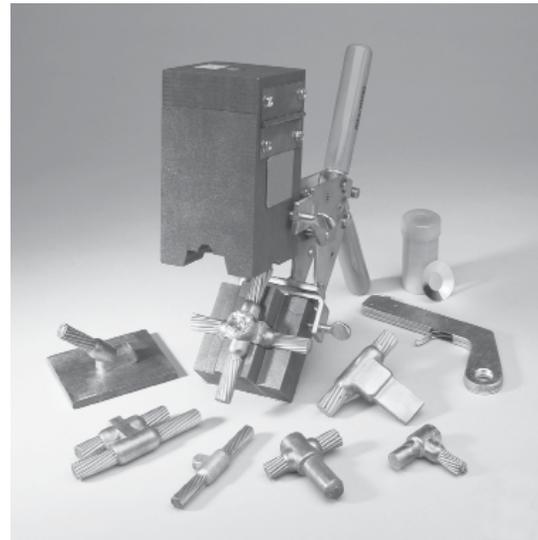
This system is very field friendly, since it is light and portable and requires no outside power source. It requires very little time or skill to obtain an efficient, maintenance free connection when using the BURNDYWeld® process.

For more information, visit our website at:
www.burndy.com.

The BURNDYWeld® process has been used to weld materials other than copper for electrical purposes. Materials welded include:

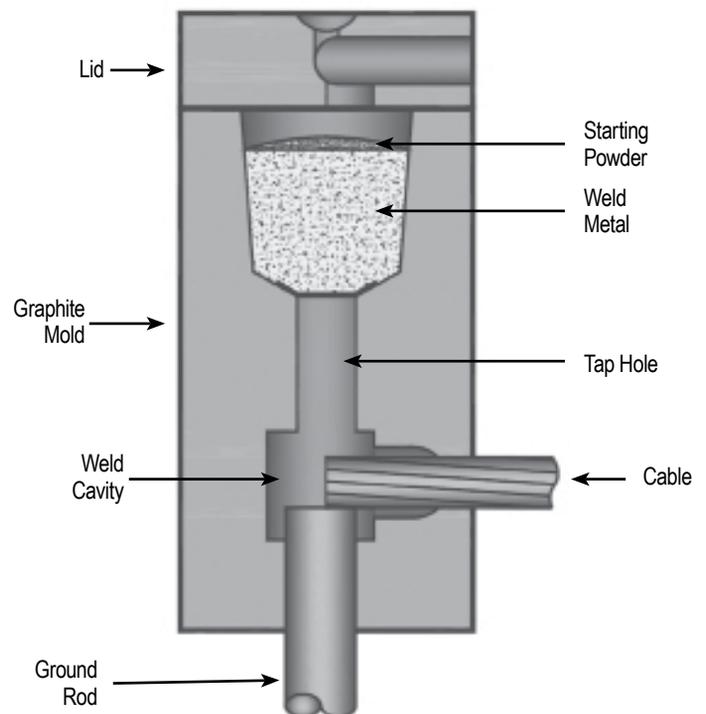
Stainless Steel
Copperweld®
Nichrome V
Galvanized Steel
Silicon Bronze
Copper Clad Steel
Columbium
Plain Steel
Everdur®
Kama
Stell Rail
Cor-Ten®
Brass
Bronze
Niobium
Chromax
Cast Iron
Monel

When welding to galvanized steel it is recommended to resurface exposed bare steel.



The BURNDYWeld® connection is a molecular weld. The weld metal has the same melting point as copper. These factors along with the increased cross section of the connection, BURNDYWeld® connections:

1. Will not be affected by a high current surge. Tests have shown that the electrical conductor will melt before the BURNDYWeld® connection when subjected to high short circuit current. Consult IEEE Standard 837-1989.
2. Will not loosen or corrode at the point of weld. There are no contact surfaces or mechanical pressures involved. A BURNDYWeld® connection becomes an integral part of the conductor.
3. Have a current-carrying capacity equal to or greater than that of the conductors.

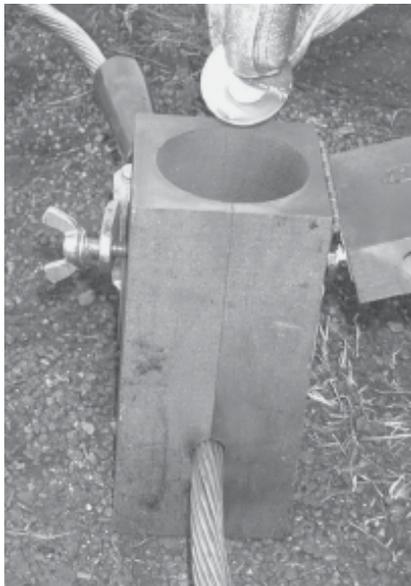


Making a BURNDYWeld® Connection



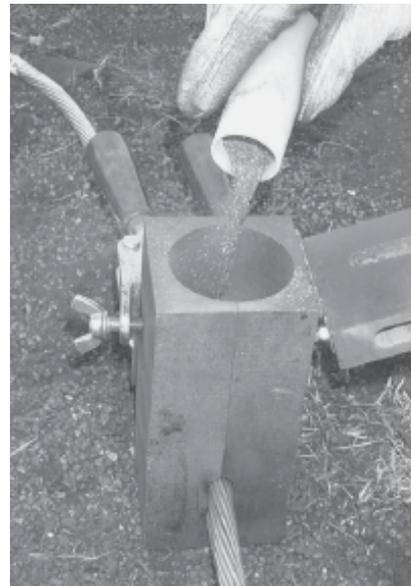
Step 1

Position cleaned conductors in mold after make sure mold is dry, by pre-heating or making a test joint.



Step 2

Place metal disc in bottom of mold crucible.



Step 3

Dump powder into crucible, being careful not to loosen all the starting powder.



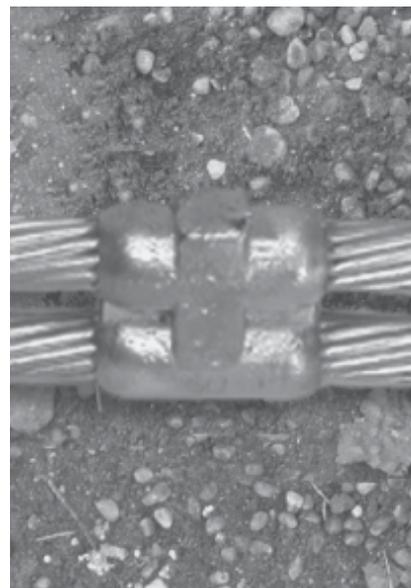
Step 4

Close lid and place a small amount of starting powder in the ignition pocket.



Step 5

Ignite the starting powder with the Flint Ignitor.



Step 6

Wait 15 seconds, then remove weld and clean mold before making next connection.

BURNDYWeld® QIKLITE® Battery Ignition System

The self-contained unit offers a built-in battery life indicator, 6' ignitor cord and separate buttons for power and ignition. Also, no starting powder is used with this system so emissions are greatly reduced. QIKLITE® works with "off-the-shelf" molds and weld metal, so contractors and installers can continue to use the same quality BURNDYWeld® products.

Since the unit operates with standard weld metal and molds, installers also have the option of using a traditional flint ignitor or the new QIKLITE® system. Another feature is the speed of ignition, with virtually no delay between depressing the "push to operate" button and ignition of the weld metal. This instant ignition feature offers quick reassurance to the installer, without the delay.



Features & Benefits

- The QIKLITE® system allows installers to make exothermic connections remotely
- Uses standard exothermic molds and weld metal
- Use the BURNDYWeld® QIKLITE® battery ignition system or use a flint ignitor, making this the most versatile system available
- Installers have virtually 100% confidence that the connection can be completed with no wasted material or weld metal shots
- No starting material required which greatly reduces the amount of emissions generated
- Power is supplied by 4 standard "D" size batteries
- Built-in battery life indicator
- Virtually no delay in ignition after depressing the "push to operate" button
- Separate ON/OFF and Operate buttons
- Comes complete with durable 6 foot heat resistant cord
- Durable, long-lasting design
- QIKSTIK ignitor sticks are conveniently packaged and available separately or packaged complete with standard weld metal

| Catalog Number Standard Cartridge Size with Ignitor | Cartridges/ Ignitors Per Box |
|---|------------------------------------|
| 15Q | 20 |
| 25Q | 20 |
| 32Q | 10 |
| 45Q | 20 |
| 65Q | 20 |
| 90Q | 10 |
| 115Q | 10 |
| 150Q | 10 |
| 200Q | 10 |
| 250Q | 10 |
| 500Q | 10 |
| QIKSTIK* | 10 |

* Ignitor stick only.

| Catalog Number | Description |
|----------------|--|
| QIKLITE | Battery Ignition System |
| QIKLITEKIT | QIKLITE® Battery Ignition System and 20 QIKSTIK Ignitor Sticks |

BURNDYWeld®
Weld Metal

BURNDYWeld® Weld Metal is packed in moisture-resistant plastic cartridges that have tight fitting caps. These cartridges, along with the necessary steel discs, are then packed in boxes that are hermetically sealed. This ensures the powder arriving in good condition, always dry and ready for fast positive ignition. BURNDYWeld® Weld Metal comes in several types; one for welding copper to copper, copper to steel, copper to cast iron and one for welding copper to steel for cathodic protection. The size and weight (in grams) of the cartridge are marked on each individual cartridge.

Weld metal and steel discs are sold only in standard box quantities.

Features & Benefits

- Packed in moisture-resistant plastic cartridges with tight fitting caps
- Cartridges, along with necessary steel discs, are packed in boxes that are hermetically sealed ensuring the powder arrives in good condition, dry and ready for fast, positive ignition

| Weld Metal Size | Catalog Number <u>Steel Discs Only</u> | Package Quantity |
|-----------------|---|------------------|
| 15 to 65 | B370320-01 | 20 |
| 90 to 115 | B370320-02 | 10 |
| 150 to 500 | B370320-03 | 10 |

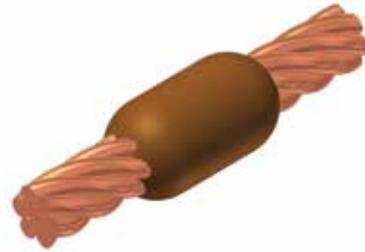


| Catalog Number * | Description | Cartridges Per Box |
|------------------|--------------------|--------------------|
| 15 | Standard Cartridge | 20 |
| 25 | Standard Cartridge | 20 |
| 32 | Standard Cartridge | 10 |
| 45 | Standard Cartridge | 20 |
| 65 | Standard Cartridge | 20 |
| 90 | Standard Cartridge | 10 |
| 115 | Standard Cartridge | 10 |
| 150 | Standard Cartridge | 10 |
| 200 | Standard Cartridge | 10 |
| 250 | Standard Cartridge | 10 |
| 500 | Standard Cartridge | 10 |

* Add Q to suffix to include Qikstik

Type BCC-1 Molds Horizontal End to End

Type BCC-1 Molds are used for horizontal end to end cable connections. Size range from #6 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for use with conductors not listed.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|------------|-------------|-----------|------------|---------------|
| Run | Tap | | | | |
| #4 | #4 | B-5623 | 18 ① | 25 | Incl. |
| #3 | #3 | B-5624 | 18 ① | 32 | Incl. |
| #2 | #2 | B-5625 | 18 ① | 32 | Incl. |
| #1 | #1 | B-5626 | 18 ① | 32 | Incl. |
| 1/0 | 1/0 | B-205 | 4 | 45 | B-106 |
| 2/0 | 2/0 | B-206 | 4 | 65 | B-106 |
| 3/0 | 3/0 | B-207 | 4 | 90 | B-106 |
| 4/0 | 4/0 | B-208 | 4 | 90 | B-106 |
| 250 kcmil | 250 kcmil | B-209 | 4 | 115 | B-106 |
| 300 kcmil | 300 kcmil | B-210 | 4 | 115 | B-106 |
| 350 kcmil | 350 kcmil | B-211 | 4 | 150 | B-106 |
| 500 kcmil | 500 kcmil | B-213 | 4 | 200 | B-107 |
| 750 kcmil | 750 kcmil | B-214 | 5 | 2-150 | B-107 |
| 1000 kcmil | 1000 kcmil | B-215 | 5 | 2-200 | B-107 |

① B38-0309-00 Flint ignitor included

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

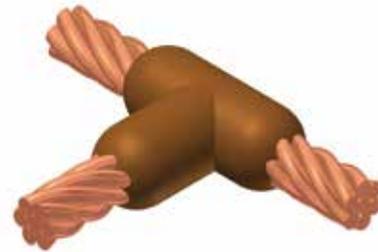
Recommended Accessories:

- B38-0309-00 Flint Ignitor
- B38-3922-00 Mold Cleaning Brush
- B38-0135-00 Cable Cleaning Brush
- B38-0330-00 Cable Clamp

Type BCC-2 Molds

Horizontal Cable Tap to Horizontal Cable Run

Type BCC-2 Molds are used to join horizontal cable tap to a horizontal run cable. Size range is #6 through 750 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-----------|-----------|-------------|-----------|------------|---------------|
| Run | Tap | | | | |
| #4 | #4 | B-221 | 4 | 32 | B-106 |
| #2 | #2 | B-223 | 4 | 45 | B-106 |
| | #4 | B-224 | 4 | 45 | B-106 |
| #1 | #1 | B-225 | 4 | 45 | B-106 |
| | #2 | B-226 | 4 | 45 | B-106 |
| | #4 | B-227 | 4 | 45 | B-106 |
| 1/0 | 1/0 | B-228 | 4 | 90 | B-106 |
| | #1 | B-229 | 4 | 45 | B-106 |
| | #2 | B-230 | 4 | 45 | B-106 |
| | #4 | B-231 | 4 | 45 | B-106 |
| 2/0 | 2/0 | B-232 | 4 | 90 | B-106 |
| | 1/0 | B-333 | 4 | 90 | B-106 |
| | #1 | B-234 | 4 | 45 | B-106 |
| | #2 | B-235 | 4 | 45 | B-106 |
| | #4 | B-5475 | 4 | 45 | B-106 |
| 3/0 | 3/0 | B-236 | 4 | 115 | B-106 |
| | 2/0 | B-237 | 4 | 90 | B-106 |
| | 1/0 | B-238 | 4 | 90 | B-106 |
| | #1 | B-239 | 4 | 45 | B-106 |
| | #2 | B-240 | 4 | 45 | B-106 |
| | #4 | B-5574 | 4 | 45 | B-106 |
| 4/0 | 4/0 | B-241 | 4 | 150 | B-106 |
| | 3/0 | B-242 | 4 | 115 | B-106 |
| | 2/0 | B-243 | 4 | 90 | B-106 |
| | 1/0 | B-244 | 4 | 90 | B-106 |
| | #1 | B-245 | 4 | 90 | B-106 |
| | #2 | B-246 | 4 | 90 | B-106 |
| | #4 | B-5021 | 4 | 90 | B-106 |
| | #4 | B-5021 | 4 | 90 | B-106 |
| 250 kcmil | 250 kcmil | B-247 | 4 | 150 | B-106 |
| | 4/0 | B-248 | 4 | 150 | B-106 |
| | 3/0 | B-249 | 4 | 150 | B-106 |
| | 2/0 | B-250 | 4 | 90 | B-106 |
| | 1/0 | B-251 | 4 | 90 | B-106 |
| | #1 | B-252 | 4 | 90 | B-106 |
| | #2 | B-253 | 4 | 90 | B-106 |

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-----------|-----------|-------------|-----------|------------|---------------|
| Run | Tap | | | | |
| 300 kcmil | 300 kcmil | B-254 | 4 | 200 | B-106 |
| | 250 kcmil | B-255 | 4 | 150 | B-106 |
| | 4/0 | B-256 | 4 | 150 | B-106 |
| | 3/0 | B-257 | 4 | 150 | B-106 |
| | 2/0 | B-258 | 4 | 90 | B-106 |
| | 1/0 | B-259 | 4 | 90 | B-106 |
| | #1 | B-260 | 4 | 90 | B-106 |
| | #2 | B-261 | 4 | 90 | B-106 |
| 350 kcmil | 350 kcmil | B-262 | 4 | 200 | B-106 |
| | 300 kcmil | B-263 | 4 | 200 | B-106 |
| | 250 kcmil | B-264 | 4 | 200 | B-106 |
| | 4/0 | B-265 | 4 | 150 | B-106 |
| | 3/0 | B-266 | 4 | 150 | B-106 |
| | 2/0 | B-267 | 4 | 90 | B-106 |
| | 1/0 | B-268 | 4 | 90 | B-106 |
| | #1 | B-269 | 4 | 90 | B-106 |
| 500 kcmil | #2 | B-270 | 4 | 90 | B-106 |
| | 500 kcmil | B-280 | 4 | 2-150 | B-106 |
| | 350 kcmil | B-282 | 4 | 200 | B-106 |
| | 300 kcmil | B-283 | 4 | 200 | B-106 |
| | 250 kcmil | B-284 | 4 | 200 | B-106 |
| | 4/0 | B-285 | 4 | 150 | B-106 |
| | 2/0 | B-286 | 4 | 90 | B-106 |
| | 1/0 | B-287 | 4 | 90 | B-106 |
| | #1 | B-288 | 4 | 90 | B-106 |
| | #2 | B-289 | 4 | 90 | B-106 |
| 750 kcmil | 750 kcmil | B-290 | 5 | 500 | B-107 |
| | 500 kcmil | B-291 | 5 | 2-200 | B-107 |
| | 350 kcmil | B-293 | 4 | 250 | B-106 |
| | 300 kcmil | B-294 | 4 | 200 | B-106 |
| | 250 kcmil | B-295 | 4 | 200 | B-106 |
| | 4/0 | B-296 | 4 | 150 | B-106 |
| | 2/0 | B-297 | 4 | 150 | B-106 |
| | 1/0 | B-298 | 4 | 150 | B-106 |
| | 1/0 | B-298 | 4 | 150 | B-106 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

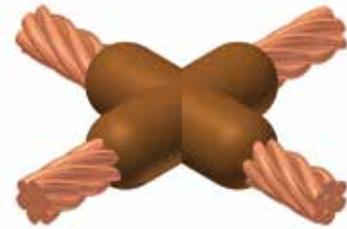
Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCC-4 Molds

Horizontal to Horizontal Cable Cross

Type BCC-4 Molds are used to join two horizontal cables at right angles. One cable is cut and the other is a through run. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-----------|-----------|-------------|-----------|------------|---------------|
| Run | Tap | | | | |
| #4 | #4 | B-423 | 4 | 45 | B-106 |
| #3 | #3 | B-424 | 4 | 45 | B-106 |
| #2 | #2 | B-425 | 4 | 65 | B-106 |
| | #4 | B-426 | 4 | 65 | B-106 |
| #1 | #1 | B-427 | 4 | 65 | B-106 |
| | #2 | B-428 | 4 | 65 | B-106 |
| | #4 | B-429 | 4 | 65 | B-106 |
| 1/0 | 1/0 | B-430 | 4 | 90 | B-106 |
| | #1 | B-431 | 4 | 90 | B-106 |
| | #2 | B-432 | 4 | 90 | B-106 |
| 2/0 | #4 | B-433 | 4 | 90 | B-106 |
| | 2/0 | B-434 | 4 | 115 | B-106 |
| | 1/0 | B-435 | 4 | 115 | B-106 |
| | #1 | B-436 | 4 | 115 | B-106 |
| 3/0 | #2 | B-437 | 4 | 115 | B-106 |
| | 3/0 | B-438 | 4 | 150 | B-106 |
| | 2/0 | B-439 | 4 | 150 | B-106 |
| | 1/0 | B-440 | 4 | 115 | B-106 |
| 4/0 | #1 | B-441 | 4 | 115 | B-106 |
| | #2 | B-442 | 4 | 115 | B-106 |
| | 4/0 | B-443 | 4 | 200 | B-106 |
| | 3/0 | B-444 | 4 | 200 | B-106 |
| | 2/0 | B-445 | 4 | 150 | B-106 |
| | 1/0 | B-446 | 4 | 150 | B-106 |
| 250 kcmil | #1 | B-447 | 4 | 115 | B-106 |
| | #2 | B-448 | 4 | 115 | B-106 |
| | 250 kcmil | B-449 | 4 | 200 | B-106 |
| | 4/0 | B-450 | 4 | 200 | B-106 |
| 250 kcmil | 3/0 | B-451 | 4 | 200 | B-106 |
| | 2/0 | B-452 | 4 | 150 | B-106 |
| | 1/0 | B-453 | 4 | 150 | B-106 |
| 250 kcmil | #1 | B-454 | 4 | 115 | B-106 |
| | #2 | B-455 | 4 | 115 | B-106 |

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-----------|-----------|-------------|-----------|------------|---------------|
| Run | Tap | | | | |
| 300 kcmil | 300 kcmil | B-456 | 4 | 250 | B-106 |
| | 250 kcmil | B-457 | 4 | 250 | B-106 |
| | 4/0 | B-458 | 4 | 200 | B-106 |
| | 3/0 | B-459 | 4 | 200 | B-106 |
| | 2/0 | B-460 | 4 | 150 | B-106 |
| | 1/0 | B-461 | 4 | 150 | B-106 |
| | #1 | B-462 | 4 | 115 | B-106 |
| | #2 | B-463 | 4 | 115 | B-106 |
| 350 kcmil | 350 kcmil | B-464 | 4 | 250 | B-106 |
| | 300 kcmil | B-465 | 4 | 250 | B-106 |
| | 250 kcmil | B-466 | 4 | 250 | B-106 |
| | 4/0 | B-467 | 4 | 200 | B-106 |
| | 3/0 | B-468 | 4 | 200 | B-106 |
| | 2/0 | B-469 | 4 | 200 | B-106 |
| | 1/0 | B-470 | 4 | 200 | B-106 |
| | #1 | B-471 | 4 | 150 | B-106 |
| 500 kcmil | #2 | B-472 | 4 | 150 | B-106 |
| | 500 kcmil | B-483 | 5 | 500 | B-107 |
| | 350 kcmil | B-485 | 5 | 2-200 | B-107 |
| | 300 kcmil | B-486 | 5 | 2-200 | B-107 |
| | 250 kcmil | B-487 | 5 | 2-150 | B-107 |
| | 4/0 | B-488 | 5 | 2-150 | B-107 |
| | 3/0 | B-489 | 5 | 2-150 | B-107 |
| | 2/0 | B-490 | 4 | 250 | B-106 |
| 250 kcmil | 1/0 | B-491 | 4 | 250 | B-106 |
| | #1 | B-492 | 4 | 200 | B-106 |
| | #2 | B-493 | 4 | 200 | B-106 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

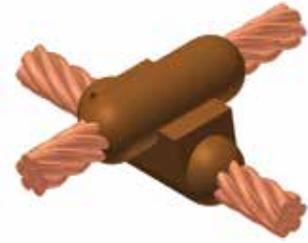
Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCC-11 Molds
Horizontal to Horizontal Cable Cross

Type BCC-11 Molds are used to join uncut horizontal cables at right angles to each other. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-------|-----|---------------|-----------|------------|---------------|
| Run | Tap | | | | |
| #6 | #6 | B-5432 | 19 | 45 | Incl. |
| #4 | #4 | B-2687 | 4 | 65 | B-106 |
| #2 | #2 | B-2689 | 4 | 90 | B-106 |
| | #4 | B-2690 | 4 | 65 | B-106 |
| #1 | #1 | B-2691 | 4 | 115 | B-106 |
| | #2 | B-2692 | 4 | 90 | B-106 |
| | #4 | B-2693 | 4 | 90 | B-106 |
| 1/0 | 1/0 | B-2694 | 22 | 150 | B-106 |
| | #1 | B-2695 | 22 | 150 | B-106 |
| | #2 | B-2696 | 22 | 115 | B-106 |
| | #4 | B-2697 | 22 | 115 | B-106 |
| 2/0 | 2/0 | B-2698 | 22 | 200 | B-106 |
| | 1/0 | B-2699 | 22 | 200 | B-106 |
| | #1 | B-2700 | 22 | 150 | B-106 |
| | #2 | B-2701 | 22 | 150 | B-106 |
| 3/0 | 3/0 | B-2702 | 22 | 250 | B-106 |
| | 2/0 | B-2703 | 22 | 200 | B-106 |
| | 1/0 | B-2704 | 22 | 200 | B-106 |
| | #1 | B-2705 | 22 | 150 | B-106 |
| | #2 | B-2706 | 22 | 150 | B-106 |
| 4/0 | 4/0 | B-2707 | 22 | 250 | B-106 |
| | 3/0 | B-2708 | 22 | 250 | B-106 |
| | 2/0 | B-2709 | 22 | 200 | B-106 |
| | 1/0 | B-2710 | 22 | 200 | B-106 |
| | #1 | B-2711 | 22 | 150 | B-106 |
| | #2 | B-2712 | 22 | 150 | B-106 |

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-----------|-----------|---------------|-----------|------------|---------------|
| Run | Tap | | | | |
| 250 kcmil | 250 kcmil | B-2713 | 22 | 2-150 | B-106 |
| | 4/0 | B-2714 | 22 | 2-150 | B-106 |
| | 3/0 | B-2715 | 22 | 2-150 | B-106 |
| | 2/0 | B-2716 | 22 | 250 | B-106 |
| | 1/0 | B-2717 | 22 | 150 | B-106 |
| | #1 | B-2718 | 22 | 200 | B-106 |
| | #2 | B-2719 | 22 | 150 | B-106 |
| 500 kcmil | 500 kcmil | B-2747 | 23 | 3-250 | B-107 |
| | 250 kcmil | B-2751 | 23 | 500 | B-107 |
| | 4/0 | B-2752 | 23 | 500 | B-107 |
| | 3/0 | B-2753 | 23 | 500 | B-107 |
| | 2/0 | B-2754 | 23 | 2-200 | B-107 |
| | 1/0 | B-2755 | 22 | 2-150 | B-106 |
| | #1 | B-2756 | 22 | 250 | B-106 |
| | #2 | B-2757 | 22 | 250 | B-106 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; **B38-3922-00** Mold Cleaning Brush; **B38-0135-00** Cable Cleaning Brush; **B38-0330-00** Cable Clamp

Exothermic Grounding

BURNDY[®]; Type BCC-6 Molds; Horizontal Parallel Tap
Type BCC-14 Molds; Horizontal Parallel through Cables

Type BCC-6 Molds Horizontal Parallel Tap

Type BCC-6 Molds are used to join horizontal parallel tap to run connections. The tap cable is over the run cable. Size range is #6 through 4/0 solid or concentric stranded copper conductors. Contact BURNDY[®] for information on molds for conductors not listed below.

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|--------|---------------|---------------|-----------|------------|---------------|
| Run | Tap | | | | |
| #6 Sol | #6 Sol | B-1270 | 4 | 25 | B-106 |
| #6 | #6 | B-1271 | 4 | 25 | B-106 |
| #4 | #4 | B-1272 | 4 | 32 | B-106 |
| | #6 | B-1273 | 4 | 32 | B-106 |
| | #6 Sol | B-1274 | 4 | 32 | B-106 |
| | #8 Sol | B-1275 | 4 | 32 | B-106 |
| #2 | #2 | B-1276 | 4 | 65 | B-106 |
| | #4 | B-1277 | 4 | 45 | B-106 |
| | #6 | B-1278 | 4 | 32 | B-106 |
| | #6 Sol | B-1279 | 4 | 32 | B-106 |
| #1 | #8 Sol | B-1280 | 4 | 32 | B-106 |
| | #1 | B-1281 | 4 | 65 | B-106 |
| | #2 | B-1282 | 4 | 65 | B-106 |
| | #4 | B-1283 | 4 | 45 | B-106 |
| | #6 | B-1284 | 4 | 45 | B-106 |
| | #6 Sol | B-1285 | 4 | 45 | B-106 |
| 1/0 | #8 Sol | B-1286 | 4 | 45 | B-106 |
| | 1/0 | B-1287 | 4 | 90 | B-106 |
| | #1 | B-1288 | 4 | 90 | B-106 |
| | #2 | B-1289 | 4 | 65 | B-106 |
| | #4 | B-1290 | 4 | 65 | B-106 |
| | #6 | B-1291 | 4 | 45 | B-106 |
| | #6 Sol | B-1292 | 4 | 45 | B-106 |
| #8 Sol | B-1293 | 4 | 45 | B-106 | |



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-------|--------|---------------|-----------|------------|---------------|
| Run | Tap | | | | |
| 2/0 | 2/0 | B-1294 | 4 | 115 | B-106 |
| | 1/0 | B-1295 | 4 | 115 | B-106 |
| | #1 | B-1296 | 4 | 90 | B-106 |
| | #2 | B-1297 | 4 | 90 | B-106 |
| | #4 | B-1298 | 4 | 65 | B-106 |
| | #6 | B-1299 | 4 | 65 | B-106 |
| | #6 Sol | B-1300 | 4 | 65 | B-106 |
| | #8 Sol | B-1301 | 4 | 65 | B-106 |
| 4/0 | 4/0 | B-1302 | 4 | 150 | B-106 |
| | 2/0 | B-1303 | 4 | 115 | B-106 |
| | 1/0 | B-1304 | 4 | 115 | B-106 |
| | #1 | B-1305 | 4 | 115 | B-106 |
| | #2 | B-1306 | 4 | 115 | B-106 |
| | #4 | B-1307 | 4 | 90 | B-106 |
| | #6 | B-1308 | 4 | 90 | B-106 |
| | #6 Sol | B-1309 | 4 | 90 | B-106 |
| | #8 Sol | B-1310 | 4 | 90 | B-106 |

NOTES:

- For sizes not listed, contact BURNDY[®]
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld[®] cable, contact BURNDY[®]
- For expedited service, contact BURNDY[®]

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

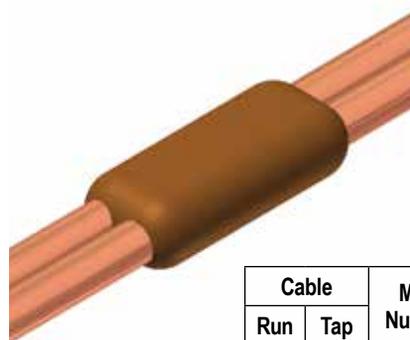
B38-0309-00 Flint Ignitor; **B38-3922-00** Mold Cleaning Brush; **B38-0135-00** Cable Cleaning Brush; **B38-0330-00** Cable Clamp

Type BCC-14 Molds Horizontal Parallel through Cables

Type BCC-14 Molds are used to join horizontal parallel through run cables. Cables run side by side in the mold. Size range is #8 through #6 solid or concentric stranded copper conductors. Contact BURNDY[®] for information on molds for conductors not listed.

NOTES:

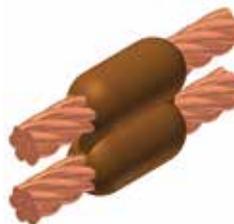
- For sizes not listed, contact BURNDY[®]
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld[®] cable, contact BURNDY[®]
- For expedited service, contact BURNDY[®]
- Sold complete with handles



| Cable | | Mold Number | Price Key | Weld Metal |
|-------|-----|---------------|-----------|------------|
| Run | Tap | | | |
| #8 | #8 | B-5709 | 18 | 15 |
| #6 | #6 | B-5618 | 18 | 25 |

Type BCC-7 Molds Horizontal Parallel through Cables

Type BCC-7 Type Molds are used to join horizontal parallel through run cables. One cable runs above the other cable in the mold. Size range is #6 through 4/0 solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-------|--------|-------------|-----------|------------|---------------|
| Run | Tap | | | | |
| #4 | #4 | B-1311 | 4 | 32 | B-106 |
| | #6 | B-5627 | 4 | 32 | B-106 |
| | #6 Sol | B-8882 | 4 | 32 | B-106 |
| | #8 | B-5629 | 4 | 32 | B-106 |
| | #8 Sol | B-5630 | 4 | 32 | B-106 |
| #2 | #2 | B-1313 | 4 | 65 | B-106 |
| | #4 | B-1314 | 4 | 65 | B-106 |
| | #6 | B-5631 | 4 | 45 | B-106 |
| | #6 Sol | B-5632 | 4 | 45 | B-106 |
| | #8 | B-5634 | 4 | 45 | B-106 |
| | #8 Sol | B-5635 | 4 | 45 | B-106 |
| #1 | #1 | B-1315 | 4 | 65 | B-106 |
| | #2 | B-1316 | 4 | 65 | B-106 |
| | #4 | B-1317 | 4 | 65 | B-106 |
| | #6 | B-5636 | 4 | 65 | B-106 |
| | #6 Sol | B-5637 | 4 | 65 | B-106 |
| | #8 | B-5638 | 4 | 45 | B-106 |
| | #8 Sol | B-5639 | 4 | 45 | B-106 |
| 1/0 | 1/0 | B-1318 | 4 | 90 | B-106 |
| | #1 | B-1319 | 4 | 65 | B-106 |
| | #2 | B-1320 | 4 | 65 | B-106 |
| | #4 | B-1321 | 4 | 65 | B-106 |
| | #6 | B-5642 | 4 | 65 | B-106 |
| | #6 Sol | B-1208 | 4 | 65 | B-106 |
| | #8 | B-5644 | 4 | 65 | B-106 |
| | #8 Sol | B-5645 | 4 | 65 | B-106 |

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-------|--------|-------------|-----------|------------|---------------|
| Run | Tap | | | | |
| 2/0 | 2/0 | B-1322 | 4 | 115 | B-106 |
| | 1/0 | B-1323 | 4 | 115 | B-106 |
| | #1 | B-1324 | 4 | 90 | B-106 |
| | #2 | B-1325 | 4 | 90 | B-106 |
| | #4 | B-5659 | 4 | 90 | B-106 |
| | #6 | B-5342 | 4 | 90 | B-106 |
| | #6 Sol | B-5652 | 4 | 90 | B-106 |
| | #8 | B-5668 | 4 | 65 | B-106 |
| | #8 Sol | B-5943 | 4 | 65 | B-106 |
| 3/0 | 3/0 | B-1326 | 4 | 150 | B-106 |
| | 2/0 | B-1327 | 4 | 150 | B-106 |
| | 1/0 | B-1328 | 4 | 115 | B-106 |
| | #1 | B-1329 | 4 | 115 | B-106 |
| | #2 | B-1330 | 4 | 115 | B-106 |
| | #4 | B-6046 | 4 | 115 | B-106 |
| | #6 | B-5676 | 4 | 90 | B-106 |
| | #6 Sol | B-5679 | 4 | 90 | B-106 |
| | #8 | B-5680 | 4 | 90 | B-106 |
| | #8 Sol | B-5682 | 4 | 90 | B-106 |
| 4/0 | 4/0 | B-1331 | 4 | 200 | B-106 |
| | 3/0 | B-1332 | 4 | 200 | B-106 |
| | 2/0 | B-1333 | 4 | 150 | B-106 |
| | 1/0 | B-1334 | 4 | 150 | B-106 |
| | #1 | B-1335 | 4 | 150 | B-106 |
| | #2 | B-1336 | 4 | 150 | B-106 |
| | #4 | B-5340 | 4 | 150 | B-106 |
| | #6 | B-5684 | 4 | 90 | B-106 |
| | #6 Sol | B-6552 | 4 | 90 | B-106 |
| | #8 | B-5686 | 4 | 90 | B-106 |
| | #8 Sol | B-5688 | 4 | 90 | B-106 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCR-1 Molds Horizontal Cable Terminal to Ground Rod

Type BCR-1 Molds are used to terminate horizontal copper cable at the top of a vertical ground rod. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|---------|-----------|-------------|-----------|------------|---------------|
| Grd Rod | Tap | | | | |
| 1/2" | #6 | B-8402 | 18 ① | 25 | Incl. |
| | #4 | B-8403 | 18 ① | 25 | Incl. |
| | #2 | B-495 | 4 | 65 | B-106 |
| | #1 | B-496 | 4 | 65 | B-106 |
| | 1/0 | B-497 | 4 | 90 | B-106 |
| | 2/0 | B-498 | 4 | 90 | B-106 |
| | 3/0 | B-499 | 4 | 90 | B-106 |
| | 4/0 | B-500 | 4 | 90 | B-106 |
| | 250 kcmil | B-501 | 4 | 90 | B-106 |
| | 300 kcmil | B-502 | 4 | 90 | B-106 |
| 5/8" | #6 | B-8414 | 18 ① | 32 | Incl. |
| | #4 | B-8415 | 18 ① | 32 | Incl. |
| | #2 | B-503 | 4 | 65 | B-106 |
| | #1 | B-504 | 4 | 65 | B-106 |
| | 1/0 | B-505 | 4 | 90 | B-106 |
| | 2/0 | B-506 | 4 | 90 | B-106 |
| | 3/0 | B-507 | 4 | 90 | B-106 |
| | 4/0 | B-508 | 4 | 90 | B-106 |
| | 250 kcmil | B-509 | 4 | 90 | B-106 |
| | 300 kcmil | B-510 | 4 | 115 | B-106 |
| | 350 kcmil | B-511 | 4 | 115 | B-106 |
| | 500 kcmil | B-513 | 4 | 150 | B-106 |

① B38-0309-00 Flint ignitor included

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|-----------|-------------|-----------|------------|---------------|
| Grd Rod | Tap | | | | |
| 3/4" | #6 | B-8422 | 18 ① | 32 | Incl. |
| | #4 | B-8426 | 19 ① | 45 | Incl. |
| | #2 | B-5781 | 4 | 90 | B-106 |
| | #1 | B-514 | 4 | 90 | B-106 |
| | 1/0 | B-515 | 4 | 90 | B-106 |
| | 2/0 | B-516 | 4 | 90 | B-106 |
| | 3/0 | B-517 | 4 | 90 | B-106 |
| | 4/0 | B-518 | 4 | 90 | B-106 |
| | 250 kcmil | B-519 | 4 | 90 | B-106 |
| | 300 kcmil | B-520 | 4 | 115 | B-106 |
| | 350 kcmil | B-521 | 4 | 115 | B-106 |
| | 500 kcmil | B-523 | 4 | 150 | B-106 |
| | 750 kcmil | B-524 | 4 | 250 | B-106 |
| | 1" | 1/0 | B-525 | 4 | 150 |
| 2/0 | | B-526 | 4 | 150 | B-106 |
| 3/0 | | B-527 | 4 | 150 | B-106 |
| 4/0 | | B-528 | 4 | 150 | B-106 |
| 250 kcmil | | B-529 | 4 | 150 | B-106 |
| 300 kcmil | | B-530 | 4 | 200 | B-106 |
| 350 kcmil | | B-531 | 4 | 200 | B-106 |
| 500 kcmil | | B-533 | 4 | 200 | B-106 |
| 750 kcmil | | B-534 | 4 | 250 | B-106 |
| 1000 kcmil | | B-535 | 5 | 2-150 | B-106 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

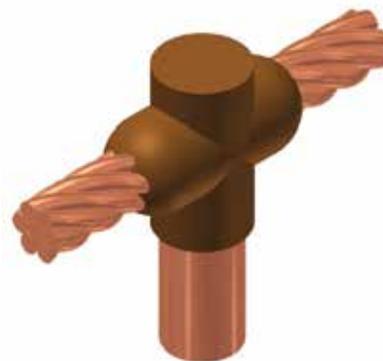
Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCR-2 Molds Horizontal Cable to Ground Rod

Type BCR-2 Molds are used to join horizontal through copper cable to the top of a vertical ground rod. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-----------|-----------|---------------|---------------|------------|---------------|
| Grd Rod | Tap | | | | |
| 1/2" | #6 | B-8434 | 18 ① | 32 | Incl. |
| | #4 | B-8435 | 18 ① | 32 | Incl. |
| | #2 | B-537 | 4 | 90 | B-106 |
| | #1 | B-538 | 4 | 90 | B-106 |
| | 1/0 | B-539 | 4 | 90 | B-106 |
| | 2/0 | B-540 | 4 | 90 | B-106 |
| | 3/0 | B-541 | 4 | 115 | B-106 |
| | 4/0 | B-542 | 4 | 115 | B-106 |
| | 250 kcmil | B-543 | 4 | 150 | B-106 |
| | 300 kcmil | B-544 | 4 | 200 | B-106 |
| | 5/8" | #6 | B-8441 | 18 ① | 32 |
| #4 | | B-8442 | 18 ① | 32 | Incl. |
| #2 | | B-545 | 4 | 90 | B-106 |
| #1 | | B-546 | 4 | 90 | B-106 |
| 1/0 | | B-547 | 4 | 90 | B-106 |
| 2/0 | | B-548 | 4 | 115 | B-106 |
| 3/0 | | B-549 | 4 | 115 | B-106 |
| 4/0 | | B-550 | 4 | 115 | B-106 |
| 250 kcmil | | B-551 | 4 | 150 | B-106 |
| 300 kcmil | | B-552 | 4 | 200 | B-106 |
| 350 kcmil | | B-553 | 4 | 200 | B-106 |
| 500 kcmil | | B-555 | 4 | 250 | B-106 |

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps | |
|------------|-----------|---------------|--------------|------------|---------------|-------|
| Grd Rod | Tap | | | | | |
| 3/4" | #6 | B-8452 | 19 ① | 45 | Incl. | |
| | #4 | B-8454 | 19 ① | 65 | Incl. | |
| | #2 | B-556 | 4 | 90 | B-106 | |
| | #1 | B-557 | 4 | 90 | B-106 | |
| | 1/0 | B-558 | 4 | 115 | B-106 | |
| | 2/0 | B-559 | 4 | 115 | B-106 | |
| | 3/0 | B-560 | 4 | 115 | B-106 | |
| | 4/0 | B-561 | 4 | 115 | B-106 | |
| | 250 kcmil | B-562 | 4 | 150 | B-106 | |
| | 300 kcmil | B-563 | 4 | 200 | B-106 | |
| | 350 kcmil | B-564 | 4 | 200 | B-106 | |
| | 500 kcmil | B-566 | 4 | 250 | B-106 | |
| | 750 kcmil | B-567 | 5 | 2-200 | B-107 | |
| | 1" | 1/0 | B-569 | 4 | 150 | B-106 |
| | | 2/0 | B-570 | 4 | 150 | B-106 |
| 3/0 | | B-571 | 4 | 150 | B-106 | |
| 4/0 | | B-572 | 4 | 150 | B-106 | |
| 250 kcmil | | B-573 | 4 | 200 | B-106 | |
| 300 kcmil | | B-574 | 4 | 200 | B-106 | |
| 350 kcmil | | B-575 | 4 | 200 | B-106 | |
| 500 kcmil | | B-577 | 4 | 250 | B-106 | |
| 750 kcmil | | B-578 | 5 | 2-200 | B-107 | |
| 1000 kcmil | | B-579 | 5 | 500 | B-107 | |

① B38-0309-00 Flint ignitor included

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

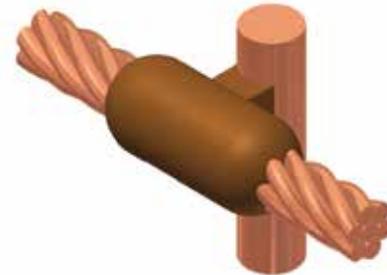
Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; **B38-3922-00** Mold Cleaning Brush; **B38-0135-00** Cable Cleaning Brush; **B38-0330-00** Cable Clamp

Type BCR-3 Molds Horizontal Through Cable to Ground Rod

Type BCR-3 Molds are used to join horizontal through run cable to the side of a vertical ground rod. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-----------|-----------|-------------|-----------|------------|---------------|
| Grd Rod | Tap | | | | |
| 1/2" | #6 | B-5321 | 24 | 65 | B-106 |
| | #4 | B-2154 | 24 | 90 | B-106 |
| | #2 | B-2155 | 24 | 90 | B-106 |
| | #1 | B-2156 | 24 | 115 | B-106 |
| | 1/0 | B-1581 | 24 | 115 | B-106 |
| | 2/0 | B-1582 | 24 | 115 | B-106 |
| | 4/0 | B-1583 | 24 | 150 | B-106 |
| | 250 kcmil | B-1584 | 24 | 150 | B-106 |
| 5/8" | #6 | B-5660 | 24 | 65 | B-106 |
| | #4 | B-2157 | 24 | 90 | B-106 |
| | #2 | B-2158 | 24 | 90 | B-106 |
| | #1 | B-2159 | 24 | 115 | B-106 |
| | 1/0 | B-1586 | 24 | 115 | B-106 |
| | 2/0 | B-1587 | 24 | 115 | B-106 |
| | 4/0 | B-1588 | 24 | 150 | B-106 |
| | 250 kcmil | B-1589 | 24 | 150 | B-106 |
| 500 kcmil | B-1593 | 13 | 2-200 | B-107 | |

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|---------|-----------|-------------|-----------|------------|---------------|
| Grd Rod | Tap | | | | |
| 3/4" | #6 | B-6630 | 24 | 65 | B-106 |
| | #4 | B-2160 | 24 | 90 | B-106 |
| | #2 | B-2161 | 24 | 90 | B-106 |
| | #1 | B-2162 | 24 | 115 | B-106 |
| | 1/0 | B-1594 | 24 | 115 | B-106 |
| | 2/0 | B-1595 | 24 | 115 | B-106 |
| | 4/0 | B-1596 | 24 | 150 | B-106 |
| | 250 kcmil | B-1597 | 24 | 200 | B-106 |
| | 500 kcmil | B-1601 | 13 | 500 | B-107 |
| | 750 kcmil | B-1602 | 13 | 3-250 | B-107 |
| 1" | #6 | B-6906 | 24 | 90 | B-106 |
| | #4 | B-2163 | 24 | 90 | B-106 |
| | #2 | B-2164 | 24 | 90 | B-106 |
| | #1 | B-2165 | 24 | 115 | B-106 |
| | 1/0 | B-1603 | 24 | 115 | B-106 |
| | 2/0 | B-1604 | 24 | 115 | B-106 |
| | 4/0 | B-1605 | 24 | 150 | B-106 |
| | 250 kcmil | B-1606 | 24 | 200 | B-106 |
| | 500 kcmil | B-1610 | 13 | 500 | B-107 |
| | 750 kcmil | B-1611 | 13 | 3-250 | B-107 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

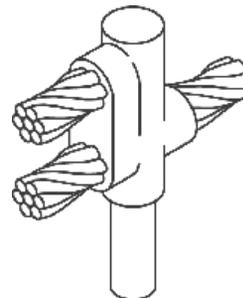
Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCR-17 Molds

Horizontal Run and Tap Cables to Ground Rod

Type BCR-17 Molds are used to join horizontal run and tap cables to the top of a vertical ground rod. Size range is #4 through 750 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|-----------|-----------|---------------|---------------|------------|---------------|
| Grd Rod | Tap | | | | |
| 1/2" | #4 | B-5416 | 4 | 90 | B-106 |
| | #2 | B-6165 | 4 | 90 | B-106 |
| | #1 | B-5830 | 4 | 90 | B-106 |
| | 1/0 | B-5940 | 4 | 115 | B-106 |
| | 2/0 | B-5850 | 4 | 150 | B-106 |
| | 3/0 | B-5833 | 4 | 200 | B-106 |
| | 4/0 | B-5380 | 4 | 200 | B-106 |
| | 5/8" | #4 | B-5972 | 4 | 90 |
| #2 | | B-5935 | 4 | 115 | B-106 |
| #1 | | B-5699 | 4 | 115 | B-106 |
| 1/0 | | B-5746 | 4 | 150 | B-106 |
| 2/0 | | B-5963 | 4 | 200 | B-106 |
| 3/0 | | B-5734 | 4 | 250 | B-106 |
| 4/0 | | B-5732 | 4 | 250 | B-106 |
| 250 kcmil | | B-5722 | 5 | 2-150 | B-107 |
| 3/4" | #4 | B-5698 | 4 | 90 | B-106 |
| | #2 | B-5294 | 4 | 115 | B-106 |
| | #1 | B-5390 | 4 | 115 | B-106 |
| | 1/0 | B-6025 | 4 | 150 | B-106 |
| | 2/0 | B-5738 | 4 | 200 | B-106 |
| | 3/0 | B-6003 | 4 | 250 | B-106 |
| | 4/0 | B-2566 | 4 | 250 | B-106 |
| | 250 kcmil | B-5904 | 5 | 2-150 | B-107 |
| | 300 kcmil | B-5857 | 5 | 2-200 | B-107 |
| | 350 kcmil | B-5777 | 5 | 2-200 | B-107 |
| | 500 kcmil | B-5961 | 5 | 3-200 | B-107 |

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|---------|-----------|---------------|-----------|------------|---------------|
| Grd Rod | Tap | | | | |
| 1" | #4 | B-5556 | 4 | 115 | B-106 |
| | #2 | B-5555 | 4 | 150 | B-106 |
| | #1 | B-6048 | 4 | 150 | B-106 |
| | 1/0 | B-5992 | 4 | 200 | B-106 |
| | 2/0 | B-5877 | 4 | 250 | B-106 |
| | 3/0 | B-5821 | 5 | 2-150 | B-107 |
| | 4/0 | B-5820 | 5 | 2-150 | B-107 |
| | 250 kcmil | B-5807 | 5 | 2-200 | B-107 |
| | 300 kcmil | B-5803 | 5 | 500 | B-107 |
| | 350 kcmil | B-5561 | 5 | 500 | B-107 |
| | 500 kcmil | B-5515 | 6 | 3-250 | B-107 |
| | 750 kcmil | B-5513 | 6 | 2-500 | B-107 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

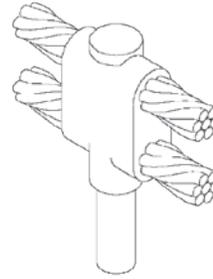
Recommended Accessories:

B38-0309-00 Flint Ignitor; **B38-3922-00** Mold Cleaning Brush; **B38-0135-00** Cable Cleaning Brush; **B38-0330-00** Cable Clamp

Type BCR-24 Molds

Horizontal Parallel Run Cables to Ground Rod

Type BCR-24 Molds are used to join horizontal parallel cables to the top of a vertical ground rod. Size range is #4 through 750 kcmil solid or concentric stranded copper conductors; 1/2" through 1" for the ground rod. Contact BURNDY® for information on molds for conductors not listed below.



| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|--------------|-----------|-------------|-----------|------------|---------------|
| Grd Rod Size | Tap | | | | |
| 1/2" | #4 | B-5640 | 4 | 115 | B-106 |
| | #2 | B-5667 | 4 | 115 | B-106 |
| | #1 | B-6002 | 4 | 115 | B-106 |
| | 1/0 | B-5767 | 4 | 150 | B-106 |
| | 2/0 | B-5604 | 4 | 200 | B-106 |
| | 3/0 | B-5560 | 4 | 250 | B-106 |
| | 4/0 | B-6766 | 4 | 250 | B-106 |
| | 5/8" | #4 | B-6208 | 4 | 115 |
| #2 | | B-5702 | 4 | 150 | B-106 |
| #1 | | B-5517 | 4 | 150 | B-106 |
| 1/0 | | B-5573 | 4 | 200 | B-106 |
| 2/0 | | B-8451 | 4 | 250 | B-106 |
| 3/0 | | B-2510 | 5 | 2-150 | B-107 |
| 4/0 | | B-5428 | 5 | 2-150 | B-107 |
| 250 kcmil | | B-1212 | 5 | 2-200 | B-107 |
| 300 kcmil | | B-2084 | 5 | 500 | B-107 |
| 350 kcmil | | B-2558 | 5 | 500 | B-107 |
| 500 kcmil | | B-2450 | 5 | 3-250 | B-107 |
| 3/4" | | #4 | B-8011 | 4 | 115 |
| | #2 | B-2320 | 4 | 150 | B-106 |
| | #1 | B-2235 | 4 | 150 | B-106 |
| | 1/0 | B-6051 | 4 | 200 | B-106 |
| | 2/0 | B-8802 | 4 | 250 | B-106 |
| | 3/0 | B-8726 | 5 | 2-150 | B-107 |
| | 4/0 | B-5677 | 5 | 2-150 | B-107 |
| | 250 kcmil | B-8461 | 5 | 2-200 | B-107 |
| | 300 kcmil | B-8428 | 5 | 500 | B-107 |
| | 350 kcmil | B-8294 | 5 | 500 | B-107 |
| | 500 kcmil | B-8214 | 5 | 3-250 | B-107 |
| | 750 kcmil | B-8027 | 6 | 2-500 | B-107 |

| Cable | | Mold Number | Price Key | Weld Metal | Handle Clamps |
|--------------|-----------|-------------|-----------|------------|---------------|
| Grd Rod Size | Tap | | | | |
| 1" | #4 | B-5330 | 4 | 150 | B-106 |
| | #2 | B-5332 | 4 | 200 | B-106 |
| | #1 | B-5333 | 4 | 200 | B-106 |
| | 1/0 | B-5334 | 4 | 250 | B-106 |
| | 2/0 | B-5335 | 5 | 2-150 | B-107 |
| | 3/0 | B-5336 | 5 | 2-200 | B-107 |
| | 4/0 | B-5337 | 5 | 2-200 | B-107 |
| | 250 kcmil | B-5338 | 5 | 500 | B-107 |
| | 300 kcmil | B-5341 | 5 | 3-200 | B-107 |
| | 350 kcmil | B-5351 | 5 | 3-200 | B-107 |
| | 500 kcmil | B-5352 | 6 | 2-500 | B-107 |
| | 750 kcmil | B-5353 | 6 | 5-250 | B-107 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

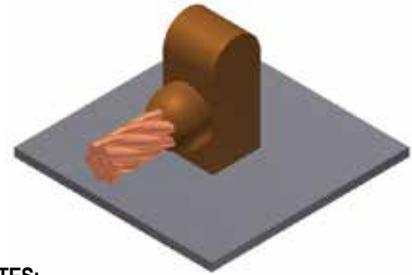
Recommended Accessories:

B38-0309-00 Flint Ignitor; B38-3922-00 Mold Cleaning Brush; B38-0135-00 Cable Cleaning Brush; B38-0330-00 Cable Clamp

Type BCS-1 Molds

Horizontal Cable to Horizontal Steel Surface

Type BCS-1 Molds are used to terminate a horizontal copper cable to any horizontal steel surface. Note that the cable is OFF the surface. Size range is 1/0 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|--------------|-----------|------------|---------------|
| 1/0 | B-644 | 4 | 90 | B-106 |
| 2/0 | B-645 | 4 | 90 | B-106 |
| 3/0 | B-646 | 4 | 115 | B-106 |
| 4/0 | B-647 | 4 | 115 | B-106 |
| 250 kcmil | B-648 | 4 | 115 | B-106 |
| 300 kcmil | B-649 | 4 | 150 | B-106 |
| 350 kcmil | B-650 | 4 | 200 | B-106 |
| 500 kcmil | B-652 | 4 | 200 | B-106 |
| 750 kcmil | B-653 | 5 | 2-150 | B-106 |
| 1000 kcmil | B-654 | 5 | 2-200 | B-107 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor; **B38-3922-00** Mold Cleaning Brush; **B38-0135-00** Cable Cleaning Brush; **B38-0330-00** Cable Clamp

Type BCS-8 Molds

Horizontal Cable to Horizontal Steel Surface

Type BCS-8 Molds are used to terminate a horizontal copper cable to any horizontal steel surface. Note that the cable is ON the surface. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|---------------|-----------|------------|---------------|
| #6 | B-628 | 3 ① | 45 | Incl. |
| #4 | B-629 | 3 ① | 45 | Incl. |
| #2 | B-630 | 3 ① | 45 | Incl. |
| #1 | B-631 | 3 ① | 65 | Incl. |
| 1/0 | B-7146 | 4 | 90 | B-106 |
| 2/0 | B-7075 | 4 | 90 | B-106 |
| 3/0 | B-2199 | 4 | 115 | B-106 |
| 4/0 | B-6114 | 4 | 115 | B-106 |
| 250 kcmil | B-2200 | 4 | 115 | B-106 |
| 300 kcmil | B-2506 | 4 | 150 | B-106 |
| 350 kcmil | B-2507 | 4 | 200 | B-106 |
| 500 kcmil | B-2509 | 4 | 200 | B-106 |
| 750 kcmil | B-2542 | 5 | 2-150 | B-107 |
| 1000 kcmil | B-2511 | 5 | 2-200 | B-107 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

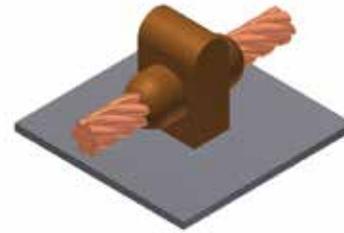
① **B38-0309-00** Flint ignitor included

Type BCS-2 Molds

Horizontal Through Cable to Horizontal Steel Surface

Type BCS-2 Molds are used to join horizontal through copper cable to any horizontal steel surface. Note the cable is OFF the surface. Size range is 1/0 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY[®] for information on molds for conductors not listed below.

| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|----------------|-----------|------------|---------------|
| 1/0 | B-616 | 4 | 90 | B-106 |
| 2/0 | B-617 | 4 | 115 | B-106 |
| 3/0 | B-618 | 4 | 115 | B-106 |
| 4/0 | B-619 | 4 | 150 | B-106 |
| 250 kcmil | B-620 | 4 | 150 | B-106 |
| 300 kcmil | B-621 | 4 | 200 | B-106 |
| 350 kcmil | B-622 | 4 | 250 | B-106 |
| 500 kcmil | B-624 | 5 | 2-150 | B-107 |
| 750 kcmil | B-625-H | 5 | 3-250 | B-107 |
| 1000 kcmil | B-626-H | 5 | 2-500 | B-107 |



NOTES:

- For sizes not listed, contact BURNDY[®]
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld[®] cable, contact BURNDY[®]
- For expedited service, contact BURNDY[®]

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

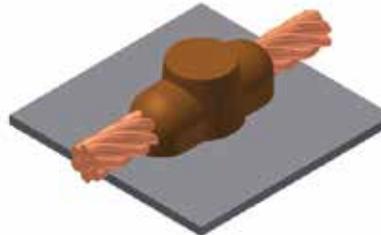
B38-0309-00 Flint Ignitor; **B38-3922-00** Mold Cleaning Brush; **B38-0135-00** Cable Cleaning Brush; **B38-0330-00** Cable Clamp

Type BCS-9 Molds

Horizontal Through Cable to Horizontal Steel Surface

Type BCS-9 Molds are used to join horizontal through copper cable to any horizontal steel surface. Note the cable is ON the surface. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY[®] for information on molds for conductors not listed below.

| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|---------------|-----------|------------|---------------|
| #6 | B-602 | 3 ① | 45 | Incl. |
| #4 | B-603 | 3 ① | 45 | Incl. |
| #2 | B-604 | 3 ① | 45 | Incl. |
| #1 | B-605 | 3 ① | 65 | Incl. |
| 1/0 | B-8379 | 4 | 90 | B-106 |
| 2/0 | B-5331 | 4 | 115 | B-106 |
| 3/0 | B-8381 | 4 | 115 | B-106 |
| 4/0 | B-7192 | 4 | 150 | B-106 |
| 250 kcmil | B-8413 | 4 | 150 | B-106 |
| 300 kcmil | B-8423 | 4 | 200 | B-106 |
| 350 kcmil | B-8410 | 4 | 250 | B-106 |
| 500 kcmil | B-5065 | 5 | 2-150 | B-107 |



NOTES:

- For sizes not listed, contact BURNDY[®]
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld[®] cable, contact BURNDY[®]
- For expedited service, contact BURNDY[®]

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

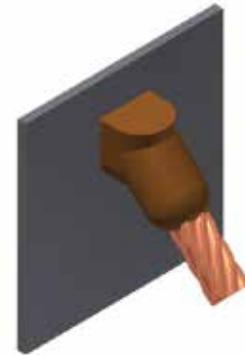
B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

① **B38-0309-00** Flint ignitor included

Type BCS-3 Molds

Angular Cable Drop to Vertical Steel Surface

Type BCS-3 Molds are used to join the end of a copper cable at a 45° angle to a vertical steel surface. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable Size | Pipe Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|-----------------|------------------|-----------|------------|---------------|
| #6 | Flat Steel Only | B-585 | 4 | 45 | B-106 |
| #4 | 12" & up | B-586 ① | 4 | 45 | B-106 |
| #3 | Flat Steel Only | B-587 | 4 | 45 | B-106 |
| #2 | 12" & up | B-588 ① | 4 | 45 | B-106 |
| #1 | 12" & up | B-589 ① | 4 | 65 | B-106 |
| 1/0 | 12" & up | B-590 ① | 4 | 90 | B-106 |
| 2/0 | 12" & up | B-591 ① | 4 | 90 | B-106 |
| 3/0 | 12" & up | B-592 ① | 4 | 115 | B-106 |
| 4/0 | 12" & up | B-593 ① | 4 | 115 | B-106 |
| 250 kcmil | Flat Steel Only | B-594 | 4 | 115 | B-106 |
| 300 kcmil | Flat Steel Only | B-595 | 4 | 150 | B-106 |
| 350 kcmil | Flat Steel Only | B-596 | 4 | 200 | B-106 |
| 500 kcmil | Flat Steel Only | B-598 | 4 | 200 | B-106 |
| 750 kcmil | Flat Steel Only | B-599 | 5 | 2-150 | B-106 |
| 1000 kcmil | Flat Steel Only | B-600 | 5 | 2-200 | B-106 |
| #4 | 1-1/4" to 4" | B-2476 | 4 | 45 | B-106 |
| #4 | 4" to 6" | B-2477 | 4 | 45 | B-106 |
| #4 | 6" to 10" | B-2478 | 4 | 45 | B-106 |
| #2 Sol | 1-1/4" to 4" | B-9233-S | 4 | 45 | B-106 |
| #2 Sol | 4" to 6" | B-2480-S | 4 | 45 | B-106 |
| #2 Sol | 6" to 10" | B-2583-S | 4 | 45 | B-106 |
| #2 Sol | 12" & up | B-588-S ① | 4 | 45 | B-106 |
| #2 | 1-1/4" to 4" | B-9233 | 4 | 45 | B-106 |
| #2 | 4" to 6" | B-2480 | 4 | 45 | B-106 |
| #2 | 6" to 10" | B-2583 | 4 | 45 | B-106 |
| #1 | 1-1/4" to 4" | B-2482 | 4 | 65 | B-106 |
| #1 | 4" to 6" | B-2483 | 4 | 65 | B-106 |
| #1 | 6" to 10" | B-2484 | 4 | 65 | B-106 |
| 1/0 | 1-1/4" to 4" | B-2486 | 4 | 90 | B-106 |
| 1/0 | 4" to 6" | B-2487 | 4 | 90 | B-106 |
| 1/0 | 6" to 10" | B-2488 | 4 | 90 | B-106 |

| Cable Size | Pipe Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|--------------|---------------|-----------|------------|---------------|
| 2/0 | 1-1/4" to 4" | B-8833 | 4 | 90 | B-106 |
| 2/0 | 4" to 6" | B-2490 | 4 | 90 | B-106 |
| 2/0 | 6" to 10" | B-2491 | 4 | 90 | B-106 |
| 3/0 | 1-1/4" to 4" | B-2493 | 4 | 115 | B-106 |
| 3/0 | 4" to 6" | B-2494 | 4 | 115 | B-106 |
| 3/0 | 6" to 10" | B-2495 | 4 | 115 | B-106 |
| 4/0 | 1-1/4" to 4" | B-9021 | 4 | 115 | B-106 |
| 4/0 | 4" to 6" | B-2497 | 4 | 115 | B-106 |
| 4/0 | 6" to 10" | B-2498 | 4 | 115 | B-106 |

① Flat Surface Mold; These items can be used to Flat Steel or to Pipe

NOTES:

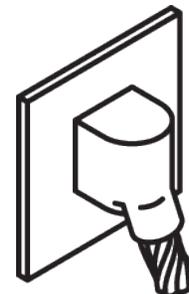
- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

- B38-0309-00 Flint Ignitor
- B38-3922-00 Mold Cleaning Brush
- B38-0135-00 Cable Cleaning Brush
- B38-0330-00 Cable Clamp



Cable to Flat Steel



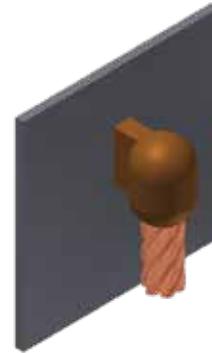
Cable to Pipe

Type BCS-23 Molds

Vertical Cable Drop to Vertical Steel Surface

Type BCS-23 Molds are used to join vertical cable down to a vertical steel surface. Note that the cable is OFF the surface. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.

| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|-------------|-----------|------------|---------------|
| #6 | B-5389 | 4 | 45 | B-106 |
| #4 | B-5359 | 4 | 65 | B-106 |
| #2 | B-2781 | 4 | 65 | B-106 |
| #1 | B-5361 | 4 | 90 | B-106 |
| 1/0 | B-2189 | 4 | 115 | B-106 |
| 2/0 | B-2540 | 4 | 115 | B-106 |
| 3/0 | B-5362 | 4 | 150 | B-106 |
| 4/0 | B-8718 | 4 | 150 | B-106 |
| 250 kcmil | B-8165 | 4 | 200 | B-106 |
| 300 kcmil | B-5363 | 4 | 200 | B-106 |
| 350 kcmil | B-9029 | 4 | 250 | B-106 |
| 500 kcmil | B-8512 | 17 | 2-150 | B-106 |



NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

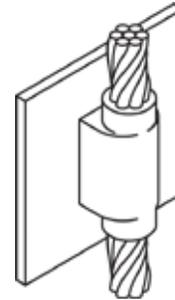
B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

Type BCS-4 Molds

Vertical Through Cable to Vertical Steel Surface

Type BCS-4 Molds are used to join a vertical through copper cable to a vertical steel surface. Note that the cable is OFF the surface. For molds with the cable on the surface, contact BURNDY®. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed.

| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|-------------|-----------|------------|---------------|
| #6 | B-1215 | 4 | 90 | B-106 |
| #4 | B-1216 | 4 | 90 | B-106 |
| #2 | B-1218 | 4 | 115 | B-106 |
| #1 | B-1219 | 4 | 115 | B-106 |
| 1/0 | B-1220 | 17 | 200 | B-106 |
| 2/0 | B-1221 | 17 | 200 | B-106 |
| 3/0 | B-1222 | 17 | 250 | B-106 |
| 4/0 | B-1223 | 17 | 250 | B-106 |
| 250 kcmil | B-1224 | 17 | 250 | B-106 |
| 300 kcmil | B-1225-H | 6 | 500 | B-107 |
| 350 kcmil | B-1226-H | 6 | 3-200 | B-107 |
| 500 kcmil | B-1228-H | 6 | 3-250 | B-107 |



NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

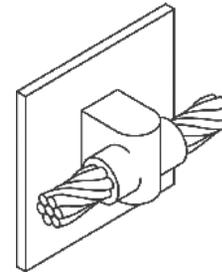
Recommended Accessories:

B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

Type BCS-6 Molds

Horizontal Through Cable to Vertical Steel Surface

Type BCS-6 Molds are used to join horizontal through copper cable to a vertical steel surface. Note that the cable is OFF the surface. Size range is #6 through 250 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|-------------|-----------|------------|---------------|
| #6 | B-1626 | 4 | 65 | B-106 |
| #4 | B-1627 | 4 | 65 | B-106 |
| #2 | B-1628 | 4 | 65 | B-106 |
| #1 | B-1629 | 4 | 90 | B-106 |
| 1/0 | B-1630 | 4 | 115 | B-106 |
| 2/0 | B-1631 | 4 | 115 | B-106 |
| 3/0 | B-1632 | 4 | 150 | B-106 |
| 4/0 | B-1633 | 4 | 150 | B-106 |
| 250 kcmil | B-1634 | 4 | 150 | B-106 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
 B38-3922-00 Mold Cleaning Brush
 B38-0135-00 Cable Cleaning Brush
 B38-0330-00 Cable Clamp

Type BCS-7 Molds

Overhead Vertical Tap Cable to Vertical Steel Surface

Type BCS-7 Molds are used to join an overhead vertical copper conductor drop tap to a vertical steel surface. Size range is #6 through 1000 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|-------------|-----------|------------|---------------|
| #6 | B-1635 | 4 | 65 | B-106 |
| #4 | B-1636 | 4 | 65 | B-106 |
| #3 | B-1637 | 4 | 65 | B-106 |
| #2 | B-1638 | 4 | 65 | B-106 |
| #1 | B-1639 | 4 | 90 | B-106 |
| 1/0 | B-1640 | 4 | 150 | B-106 |
| 2/0 | B-1641 | 4 | 150 | B-106 |
| 3/0 | B-1642 | 17 | 200 | B-106 |
| 4/0 | B-1643 | 17 | 200 | B-106 |
| 250 kcmil | B-1644 | 17 | 200 | B-106 |
| 300 kcmil | B-1645 | 17 | 250 | B-106 |
| 350 kcmil | B-1646 | 6 | 2-150 | B-107 |
| 500 kcmil | B-1648 | 6 | 2-200 | B-107 |
| 750 kcmil | B-1649 | 6 | 500 | B-107 |
| 1000 kcmil | B-1650 | 6 | 3-200 | B-107 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

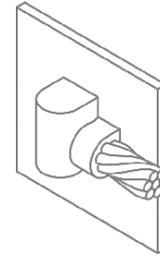
Recommended Accessories:

B38-0309-00 Flint Ignitor
 B38-3922-00 Mold Cleaning Brush
 B38-0135-00 Cable Cleaning Brush
 B38-0330-00 Cable Clamp

Type BCS-18 Molds

Horizontal Tap Cable to Vertical Steel Surface

Type BCS-18 Molds are used to connect a horizontal conductor to a vertical steel surface. Note that the cable is ON the surface. Size range is #6 through 500 kcmil solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|-------------|-----------|------------|---------------|
| #6 | B-5910 | 4 | 45 | B-106 |
| #4 | B-2761 | 4 | 45 | B-106 |
| #1 | B-6060 | 4 | 65 | B-106 |
| 1/0 | B-5419 | 4 | 90 | B-106 |
| 2/0 | B-2567 | 4 | 90 | B-106 |
| 3/0 | B-6072 | 4 | 115 | B-106 |
| 4/0 | B-9253 | 4 | 115 | B-106 |
| 250 kcmil | B-2568 | 4 | 115 | B-106 |
| 300 kcmil | B-6061 | 4 | 150 | B-106 |
| 350 kcmil | B-6067 | 4 | 200 | B-106 |
| 500 kcmil | B-8359 | 4 | 200 | B-106 |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

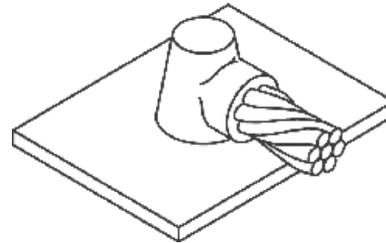
Recommended Accessories:

B38-0309-00 Flint Ignitor;
B38-3922-00 Mold Cleaning Brush;
B38-0135-00 Cable Cleaning Brush;
B38-0330-00 Cable Clamp

Type BCS-5 Molds

Horizontal Cable Tap to Horizontal Cast Iron Surface

Type BCS-5 Molds are used to join horizontal cable taps to horizontal cast iron surfaces. Note that the cable is ON the surface. Size range is #6 through #1 solid or concentric stranded copper conductors. Contact BURNDY® for information on molds for conductors not listed below.



| Cable Size | Mold Number | Price Key | Weld Metal | Handle Clamps |
|------------|-------------|-----------|------------|---------------|
| #6 Sol | B-1613 | 3 ① | 2SCI | Incl. |
| #6 | B-1614 | 3 ① | 25CI | Incl. |
| #4 Sol | B-1615 | 3 ① | 45CI | Incl. |
| #4 | B-1616 | 3 ① | 45CI | Incl. |
| #2 Sol | B-1617 | 3 ① | 45CI | Incl. |
| #2 | B-1618 | 3 ① | 45CI | Incl. |
| #1 Sol | B-1619 | 3 ① | 65CI | Incl. |
| #1 | B-1620 | 3 ① | 65CI | Incl. |

① B38-0309-00 Flint ignitor included

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

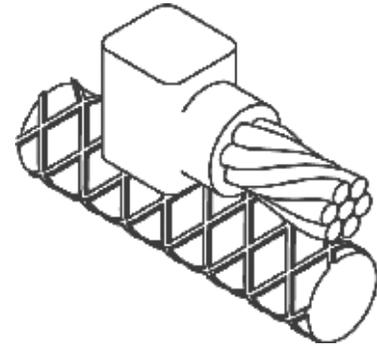
Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

DO NOT use Type BCS-5 molds on Soil Pipe (ASTM A74-82). A test weld should be made on a section of pipe being used to determine the possibility of detrimental metallurgical effects.

Type BCRE-1 Molds Horizontal Parallel Tap to Rebar

Type BCRE-1 Molds are recommended for parallel, horizontal connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6 and larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture. Contact BURNDY® for information on molds for conductors not listed below.



| Rebar Size | Cable Size | Mold Number | Packing Material | Price Key | Weld Metal | Handle Clamps |
|------------|------------|---------------|------------------|-----------|------------|---------------|
| 3 | #6 | B-7500 | B38032900 | 4 | 25 | B-106 |
| | #4 | B-7501 | B38032900 | 4 | 32 | B-106 |
| | #2 | B-7502 | B38032900 | 4 | 45 | B-106 |
| | #1 | B-7503 | B38032900 | 4 | 65 | B-106 |
| | 1/0 | B-7504 | B38032900 | 4 | 90 | B-106 |
| | 2/0 | B-7505 | B38032900 | 4 | 90 | B-106 |
| | 3/0 | B-7506 | B38032900 | 4 | 115 | B-106 |
| 4 & Larger | 4/0 | B-7507 | B38032900 | 4 | 115 | B-106 |
| | #6 | B-7508 | B38406100 | 3 ① | 25 | Incl. |
| | #4 | B-7509 | B38406100 | 3 ① | 32 | Incl. |
| | #2 | B-7510 | B38406100 | 3 ① | 45 | Incl. |
| 4 | #1 | B-7511 | B38406100 | 3 ① | 65 | Incl. |
| | 1/0 | B-7512 | B38032900 | 4 | 90 | B-106 |
| | 2/0 | B-7513 | B38032900 | 4 | 90 | B-106 |
| | 3/0 | B-7514 | B38032900 | 4 | 115 | B-106 |
| 5 | 4/0 | B-7515 | B38032900 | 4 | 115 | B-106 |
| | 1/0 | B-7520 | B38032900 | 4 | 90 | B-106 |
| | 2/0 | B-7521 | B38032900 | 4 | 90 | B-106 |
| | 3/0 | B-7522 | B38032900 | 4 | 115 | B-106 |
| 6 & Larger | 4/0 | B-7523 | B38032900 | 4 | 115 | B-106 |
| | 1/0 | B-7528 | B38406200 | 14+ | 90 | Incl. |
| | 2/0 | B-7529 | B38406200 | 14+ | 90 | Incl. |
| | 3/0 | B-7530 | B38406200 | 14+ | 115 | Incl. |
| | 4/0 | B-7531 | B38406200 | 14+ | 115 | Incl. |

PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

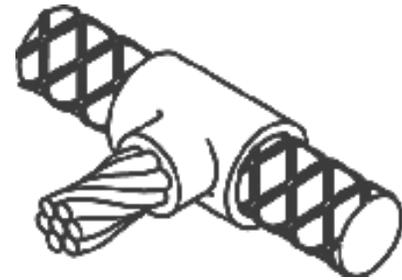
B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

① **B38-0309-00** Flint ignitor included

Type BCRE-2 Molds

Horizontal Cable Tap to Horizontal Rebar Run

Type BCRE-2 Molds are recommended for right angle, horizontal connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.



| Rebar Size | Cable Size | Mold Number | Packing Material | Price Key | Weld Metal | Handle Clamps |
|------------|------------|---------------|------------------|-----------|------------|---------------|
| 3 | #6 | B-7588 | B38032900 | 4 | 45 | B-106 |
| | #4 | B-7589 | B38032900 | 4 | 45 | B-106 |
| | #2 | B-7590 | B38032900 | 4 | 65 | B-106 |
| | #1 | B-7591 | B38032900 | 4 | 65 | B-106 |
| | 1/0 | B-7592 | B38032900 | 4 | 90 | B-106 |
| | 2/0 | B-7593 | B38032900 | 4 | 90 | B-106 |
| | 3/0 | B-7594 | B38032900 | 4 | 115 | B-106 |
| | 4/0 | B-7595 | B38032900 | 4 | 115 | B-106 |
| 4 | #6 | B-7596 | B38032900 | 4 | 45 | B-106 |
| | #4 | B-7597 | B38032900 | 4 | 45 | B-106 |
| | #2 | B-7598 | B38032900 | 4 | 65 | B-106 |
| | #1 | B-7599 | B38032900 | 4 | 65 | B-106 |
| | 1/0 | B-7600 | B38032900 | 4 | 90 | B-106 |
| | 2/0 | B-7601 | B38032900 | 4 | 90 | B-106 |
| | 3/0 | B-7602 | B38032900 | 4 | 115 | B-106 |
| | 4/0 | B-7603 | B38032900 | 4 | 115 | B-106 |
| 5 | #6 | B-7604 | B38032900 | 4 | 90 | B-106 |
| | #4 | B-7605 | B38032900 | 4 | 90 | B-106 |
| | #2 | B-7606 | B38032900 | 4 | 90 | B-106 |
| | #1 | B-7607 | B38032900 | 4 | 90 | B-106 |
| | 1/0 | B-7608 | B38032900 | 4 | 115 | B-106 |
| | 2/0 | B-7609 | B38032900 | 4 | 115 | B-106 |
| | 3/0 | B-7610 | B38032900 | 4 | 150 | B-106 |
| | 4/0 | B-7611 | B38032900 | 4 | 150 | B-106 |
| 6 | #6 | B-7612 | B38032900 | 4 | 90 | B-106 |
| | #4 | B-7613 | B38032900 | 4 | 90 | B-106 |
| | #2 | B-7614 | B38032900 | 4 | 90 | B-106 |
| | #1 | B-7615 | B38032900 | 4 | 90 | B-106 |
| | 1/0 | B-7616 | B38032900 | 4 | 115 | B-106 |
| | 2/0 | B-7617 | B38032900 | 4 | 115 | B-106 |
| | 3/0 | B-7618 | B38032900 | 4 | 150 | B-106 |
| | 4/0 | B-7619 | B38032900 | 4 | 150 | B-106 |

PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

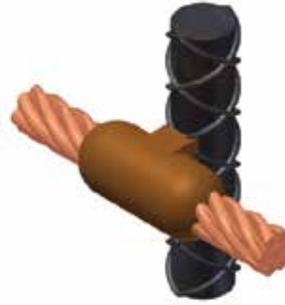
Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

Type BCRE-3 Molds Horizontal through Cable to Vertical Rebar

Type BCRE-3 Molds are recommended for horizontal conductors to vertical rebar connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #7 & larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture. Contact BURNDY® for information on molds for conductors not listed below.



| Rebar Size | Cable Size | Mold Number | Packing Material | Price Key | Weld Metal | Handle Clamps | |
|------------|------------|---------------|------------------|-----------|------------|---------------|-------|
| 3 | #6 | B-7620 | B38032900 | 24 | 90 | B-106 | |
| | #4 | B-7621 | B38032900 | 24 | 90 | B-106 | |
| | #2 | B-7622 | B38032900 | 24 | 90 | B-106 | |
| | #1 | B-7623 | B38032900 | 24 | 115 | B-106 | |
| | 1/0 | B-7624 | B38032900 | 24 | 115 | B-106 | |
| | 2/0 | B-7625 | B38032900 | 24 | 115 | B-106 | |
| | 3/0 | B-7626 | B38032900 | 24 | 150 | B-106 | |
| 4 | 4/0 | B-7627 | B38032900 | 24 | 150 | B-106 | |
| | #6 | B-7628 | B38032900 | 24 | 90 | B-106 | |
| | #4 | B-7629 | B38032900 | 24 | 90 | B-106 | |
| | #2 | B-7630 | B38032900 | 24 | 90 | B-106 | |
| | #1 | B-7631 | B38032900 | 24 | 115 | B-106 | |
| | 1/0 | B-7632 | B38032900 | 24 | 115 | B-106 | |
| | 2/0 | B-7633 | B38032900 | 24 | 115 | B-106 | |
| 5 | 3/0 | B-7634 | B38032900 | 24 | 150 | B-106 | |
| | 4/0 | B-7635 | B38032900 | 24 | 150 | B-106 | |
| | #6 | B-7636 | B38032900 | 24 | 90 | B-106 | |
| | #4 | B-7637 | B38032900 | 24 | 90 | B-106 | |
| | #2 | B-7638 | B38032900 | 24 | 90 | B-106 | |
| | #1 | B-7639 | B38032900 | 24 | 115 | B-106 | |
| | 1/0 | B-7640 | B38032900 | 24 | 115 | B-106 | |
| 6 | 2/0 | B-7641 | B38032900 | 24 | 115 | B-106 | |
| | 3/0 | B-7642 | B38032900 | 24 | 150 | B-106 | |
| | 4/0 | B-7643 | B38032900 | 24 | 150 | B-106 | |
| | 7 & Larger | #6 | B-7644 | B38032900 | 24 | 90 | B-106 |
| | | #4 | B-7645 | B38032900 | 24 | 90 | B-106 |
| | | #2 | B-7646 | B38032900 | 24 | 90 | B-106 |
| | | #1 | B-7647 | B38032900 | 24 | 115 | B-106 |
| 1/0 | | B-7648 | B38032900 | 24 | 115 | B-106 | |
| 2/0 | | B-7649 | B38032900 | 24 | 115 | B-106 | |
| 3/0 | | B-7650 | B38032900 | 24 | 150 | B-106 | |
| 7 & Larger | 4/0 | B-7651 | B38032900 | 24 | 150 | B-106 | |
| | #6 | B-7652 | B38406300 | 4 | 90 | B-106-41 | |
| | #4 | B-7653 | B38406300 | 4 | 90 | B-106-41 | |
| | #2 | B-7654 | B38406300 | 4 | 90 | B-106-41 | |
| | #1 | B-7655 | B38406300 | 4 | 115 | B-106-41 | |
| | 1/0 | B-7656 | B38406300 | 4 | 115 | B-106-41 | |
| | 2/0 | B-7657 | B38406300 | 4 | 115 | B-106-41 | |
| 7 & Larger | 3/0 | B-7658 | B38406300 | 4 | 150 | B-106-41 | |
| | 4/0 | B-7659 | B38406300 | 4 | 150 | B-106-41 | |

PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

| Rebar Size | Cable Size | Mold Number | Packing Material | Price Key | Weld Metal | Handle Clamps |
|------------|------------|---------------|------------------|-----------|------------|---------------|
| 6 | #6 | B-7644 | B38032900 | 24 | 90 | B-106 |
| | #4 | B-7645 | B38032900 | 24 | 90 | B-106 |
| | #2 | B-7646 | B38032900 | 24 | 90 | B-106 |
| | #1 | B-7647 | B38032900 | 24 | 115 | B-106 |
| | 1/0 | B-7648 | B38032900 | 24 | 115 | B-106 |
| | 2/0 | B-7649 | B38032900 | 24 | 115 | B-106 |
| | 3/0 | B-7650 | B38032900 | 24 | 150 | B-106 |
| 7 & Larger | 4/0 | B-7651 | B38032900 | 24 | 150 | B-106 |
| | #6 | B-7652 | B38406300 | 4 | 90 | B-106-41 |
| | #4 | B-7653 | B38406300 | 4 | 90 | B-106-41 |
| | #2 | B-7654 | B38406300 | 4 | 90 | B-106-41 |
| | #1 | B-7655 | B38406300 | 4 | 115 | B-106-41 |
| | 1/0 | B-7656 | B38406300 | 4 | 115 | B-106-41 |
| | 2/0 | B-7657 | B38406300 | 4 | 115 | B-106-41 |
| 7 & Larger | 3/0 | B-7658 | B38406300 | 4 | 150 | B-106-41 |
| | 4/0 | B-7659 | B38406300 | 4 | 150 | B-106-41 |

Required Tools:

Handle Clamps - see chart for correct handle catalog number

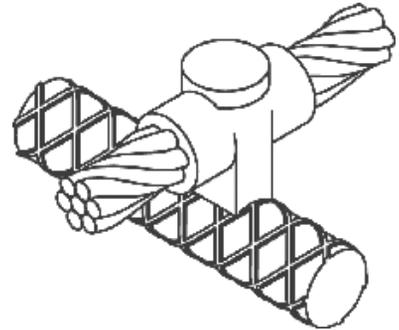
Recommended Accessories:

- B38-0309-00 Flint Ignitor
- B38-3922-00 Mold Cleaning Brush
- B38-0135-00 Cable Cleaning Brush
- B38-0330-00 Cable Clamp

Type BCRE-4 Molds

Horizontal through Cable to Horizontal Rebar

Type BCRE-4 Molds are recommended for horizontal through conductors to horizontal rebar at right angle connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #6 & larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture. Contact BURNDY® for information on molds for conductors not listed below.



| Rebar Size | Cable Size | Mold Number | Packing Material | Price Key | Weld Metal | Handle Clamps |
|------------|------------|---------------|------------------|-----------|------------|---------------|
| 3 | #6 | B-7708 | B38032900 | 4 | 65 | B-106 |
| | #4 | B-7709 | B38032900 | 4 | 65 | B-106 |
| | #2 | B-7710 | B38032900 | 4 | 90 | B-106 |
| | #1 | B-7711 | B38032900 | 4 | 90 | B-106 |
| | 1/0 | B-7712 | B38032900 | 22 | 115 | B-106 |
| | 2/0 | B-7713 | B38032900 | 22 | 115 | B-106 |
| | 3/0 | B-7714 | B38032900 | 22 | 150 | B-106 |
| | 4/0 | B-7715 | B38032900 | 22 | 150 | B-106 |
| 4 | #6 | B-7716 | B38032900 | 4 | 65 | B-106 |
| | #4 | B-7717 | B38032900 | 4 | 65 | B-106 |
| | #2 | B-7718 | B38032900 | 4 | 90 | B-106 |
| | #1 | B-7719 | B38032900 | 22 | 90 | B-106 |
| | 1/0 | B-7720 | B38032900 | 22 | 115 | B-106 |
| | 2/0 | B-7721 | B38032900 | 22 | 115 | B-106 |
| | 3/0 | B-7722 | B38032900 | 22 | 150 | B-106 |
| | 4/0 | B-7723 | B38032900 | 22 | 150 | B-106 |
| 5 | #6 | B-7724 | B38032900 | 4 | 65 | B-106 |
| | #4 | B-7725 | B38032900 | 4 | 65 | B-106 |
| | #2 | B-7726 | B38032900 | 4 | 90 | B-106 |
| | #1 | B-7727 | B38032900 | 22 | 90 | B-106 |
| | 1/0 | B-7728 | B38032900 | 22 | 115 | B-106 |
| | 2/0 | B-7729 | B38032900 | 22 | 115 | B-106 |
| | 3/0 | B-7730 | B38032900 | 22 | 150 | B-106 |
| | 4/0 | B-7731 | B38032900 | 22 | 150 | B-106 |
| 6 & Larger | #6 | B-7732 | B38406100 | 14 ① | 65 | Incl. |
| | #4 | B-7733 | B38406100 | 14 ① | 65 | Incl. |
| | #2 | B-7734 | B38406100 | 14 ① | 90 | Incl. |
| | #1 | B-7735 | B38406100 | 14 ① | 90 | Incl. |
| | 1/0 | B-7736 | B38406200 | 14 ① | 115 | Incl. |
| | 2/0 | B-7737 | B38406200 | 14 ① | 115 | Incl. |
| | 3/0 | B-7738 | B38406200 | 14 ① | 150 | Incl. |
| | 4/0 | B-7739 | B38406200 | 14 ① | 150 | Incl. |

PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

B38-0309-00 Flint Ignitor
B38-3922-00 Mold Cleaning Brush
B38-0135-00 Cable Cleaning Brush
B38-0330-00 Cable Clamp

① B38-0309-00 Flint ignitor included

Type BCRE-6 Molds Horizontal Cable Tap to Vertical Rebar

Type BCRE-6 Molds are recommended for horizontal conductors terminating at right angles to vertical rebar connections for solid or concentric stranded conductors #6 through 4/0 joined to reinforcing bars #3 through #7 and larger. The high copper content joint has a higher current carrying capacity than the conductors being joined and is impervious to vibration and moisture.

Contact BURNDY® for information on molds for conductors not listed below.



PACKING MATERIAL NOTE

A packing pad is necessary when making BURNDYWeld® connections to rebar. Packing material B38032900 is copper shim stock. Packing material numbers B38406100, B38406200 and B38406300 are a ceramic fiber material and can be used for one connection only. Be sure to specify packing material catalog number when ordering mold and weld metal.

| Rebar Size | Cable Size | Mold Number | Packing Material | Price Key | Weld Metal | Handle Clamps |
|------------|------------|---------------|------------------|-----------|------------|---------------|
| 3 | #6 | B-7884 | B38032900 | 4 | 45 | B-106 |
| | #4 | B-7885 | B38032900 | 4 | 45 | B-106 |
| | #2 | B-7886 | B38032900 | 4 | 65 | B-106 |
| | #1 | B-7887 | B38032900 | 4 | 90 | B-106 |
| | 1/0 | B-7888 | B38032900 | 4 | 115 | B-106 |
| | 2/0 | B-7889 | B38032900 | 4 | 115 | B-106 |
| | 3/0 | B-7890 | B38032900 | 4 | 150 | B-106 |
| 4 | 4/0 | B-7891 | B38032900 | 4 | 150 | B-106 |
| | #6 | B-7892 | B38032900 | 4 | 45 | B-106 |
| | #4 | B-7893 | B38032900 | 4 | 65 | B-106 |
| | #2 | B-7894 | B38032900 | 4 | 65 | B-106 |
| | #1 | B-7895 | B38032900 | 4 | 90 | B-106 |
| | 1/0 | B-7896 | B38032900 | 4 | 115 | B-106 |
| | 2/0 | B-7897 | B38032900 | 4 | 115 | B-106 |
| | 3/0 | B-7898 | B38032900 | 4 | 150 | B-106 |
| 5 | 4/0 | B-7899 | B38032900 | 4 | 150 | B-106 |
| | #6 | B-7900 | B38032900 | 4 | 45 | B-106 |
| | #4 | B-7901 | B38032900 | 4 | 65 | B-106 |
| | #2 | B-7902 | B38032900 | 4 | 65 | B-106 |
| | #1 | B-7903 | B38032900 | 4 | 90 | B-106 |
| | 1/0 | B-7904 | B38032900 | 4 | 115 | B-106 |
| | 2/0 | B-7905 | B38032900 | 4 | 115 | B-106 |
| | 3/0 | B-7906 | B38032900 | 4 | 150 | B-106 |
| 7 & Larger | 4/0 | B-7907 | B38032900 | 4 | 150 | B-106 |
| | #6 | B-7916 | B38406300 | 4 | 45 | B-106-32 ① |
| | #4 | B-7917 | B38406300 | 4 | 65 | B-106-32 ① |
| | #2 | B-7918 | B38406300 | 4 | 65 | B-106-32 ① |
| | #1 | B-7919 | B38406300 | 4 | 90 | B-106-32 ① |
| | 1/0 | B-7920 | B38406300 | 4 | 115 | B-106-32 ① |
| | 2/0 | B-7921 | B38406300 | 4 | 115 | B-106-32 ① |
| | 3/0 | B-7922 | B38406300 | 4 | 150 | B-106-32 ① |
| 6 | 4/0 | B-7915 | B38032900 | 4 | 150 | B-106 |
| | 3/0 | B-7914 | B38032900 | 4 | 150 | B-106 |
| | 2/0 | B-7913 | B38032900 | 4 | 115 | B-106 |
| | 1/0 | B-7912 | B38032900 | 4 | 115 | B-106 |
| | #1 | B-7911 | B38032900 | 4 | 90 | B-106 |
| | #2 | B-7910 | B38032900 | 4 | 65 | B-106 |
| | #4 | B-7909 | B38032900 | 4 | 65 | B-106 |
| | #6 | B-7908 | B38032900 | 4 | 45 | B-106 |

| Rebar Size | Cable Size | Mold Number | Packing Material | Price Key | Weld Metal | Handle Clamps |
|------------|------------|---------------|------------------|-----------|------------|---------------|
| 6 | #6 | B-7908 | B38032900 | 4 | 45 | B-106 |
| | #4 | B-7909 | B38032900 | 4 | 65 | B-106 |
| | #2 | B-7910 | B38032900 | 4 | 65 | B-106 |
| | #1 | B-7911 | B38032900 | 4 | 90 | B-106 |
| | 1/0 | B-7912 | B38032900 | 4 | 115 | B-106 |
| | 2/0 | B-7913 | B38032900 | 4 | 115 | B-106 |
| | 3/0 | B-7914 | B38032900 | 4 | 150 | B-106 |
| | 4/0 | B-7915 | B38032900 | 4 | 150 | B-106 |
| 7 & Larger | #6 | B-7916 | B38406300 | 4 | 45 | B-106-32 ① |
| | #4 | B-7917 | B38406300 | 4 | 65 | B-106-32 ① |
| | #2 | B-7918 | B38406300 | 4 | 65 | B-106-32 ① |
| | #1 | B-7919 | B38406300 | 4 | 90 | B-106-32 ① |
| | 1/0 | B-7920 | B38406300 | 4 | 115 | B-106-32 ① |
| | 2/0 | B-7921 | B38406300 | 4 | 115 | B-106-32 ① |
| | 3/0 | B-7922 | B38406300 | 4 | 150 | B-106-32 ① |
| | 4/0 | B-7923 | B38406300 | 4 | 150 | B-106-32 ① |

NOTES:

- For sizes not listed, contact BURNDY®
- Molds listed are for concentric stranded cable; add suffix "-S" to mold number for solid conductors
- For heavy duty molds, molds with wear plates or molds for Copperweld® cable, contact BURNDY®
- For expedited service, contact BURNDY®

- ① The **B106-32** comes complete with a **B-106** handle clamp and **B40-0106-76** vertical chain clamp. Although good for use on all sizes of rebar, vertical chain clamps are strongly recommended on large size rebar as they hold the mold to the rebar securely. If you already have a B-106 handle clamp, you can purchase the vertical chain clamps separately.

Required Tools:

Handle Clamps - see chart for correct handle catalog number

Recommended Accessories:

- B38-0309-00** Flint Ignitor
- B38-3922-00** Mold Cleaning Brush
- B38-0135-00** Cable Cleaning Brush
- B38-0330-00** Cable Clamp

BURNDY® GROUNDMAX™

GROUNDMAX™ is an economical solution for areas with very difficult grounding issues. BURNDY® GROUNDMAX™ is highly conductive in a wet or dry application and does not require moisture to lower the resistance of your grounding system. BURNDY® GROUNDMAX™ contains a corrosion inhibitor which forms a film on copper, creating a barrier against corrosion. BURNDY® GROUNDMAX™ can be poured in dry or pumped in slurry form. No tamping required. It is very contractor friendly. No special tools required.

| Catalog Number | Bag Size (lbs) |
|----------------|----------------|
| GROUNDMAX50 | 50 |
| GROUNDMAX25 | 25 |

BURNDY® GROUNDMAX™ Advantages:

- Easy to install
- Electrically conductive
- Environmentally friendly
- Will not leach into the ground
- Positive low resistance, electrical connection to earth
- Does not contain any hazardous chemicals
- Compatible with all copper grounding systems
- Contains a corrosion inhibitor to protect copper
- Will not expand or shrink
- Not affected by freezing
- Excellent shelf life
- Typical resistivity <10 Ohm-cm

| Material Required per Linear Foot of Trench | | | | | | | | | | | | |
|---|----|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| Width of Trench (inches) | | | | | | | | | | | | |
| | | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| Thickness of BURNDY® GROUNDMAX™ (Inches) | 2 | 4.10 | 6.20 | 8.10 | 10.10 | 12.10 | 14.10 | 16.20 | 18.20 | 20.20 | 22.20 | 24.20 |
| | 3 | 6.20 | 9.30 | 12.10 | 15.20 | 18.20 | 21.20 | 24.20 | 27.30 | 30.30 | 33.30 | 36.40 |
| | 4 | 8.20 | 12.30 | 16.20 | 20.20 | 24.20 | 28.30 | 32.30 | 36.40 | 40.40 | 44.50 | 48.50 |
| | 5 | 10.30 | 15.40 | 20.20 | 25.30 | 30.30 | 35.40 | 40.40 | 45.50 | 50.60 | 55.60 | 60.60 |
| | 6 | 12.30 | 18.50 | 24.20 | 30.30 | 36.40 | 42.40 | 48.50 | 54.60 | 60.60 | 66.70 | 72.70 |
| | 7 | 14.40 | 21.60 | 28.30 | 35.40 | 42.40 | 49.50 | 56.60 | 63.70 | 70.70 | 77.80 | 84.90 |
| | 8 | 16.40 | 24.70 | 32.30 | 40.40 | 48.50 | 56.00 | 64.70 | 72.70 | 80.80 | 88.90 | 97.00 |
| | 9 | 18.50 | 27.80 | 36.40 | 45.50 | 54.60 | 63.70 | 72.70 | 81.80 | 90.90 | 100.00 | 109.10 |
| | 10 | 20.60 | 30.80 | 40.40 | 50.50 | 60.60 | 70.70 | 80.80 | 90.90 | 101.00 | 111.10 | 121.20 |

To calculate the pounds of material required to fill a trench:

- Determine desired thickness
- Move to the right on the chart above until you are under the known width of the trench - this number will be the weight of the material in lbs/linear ft
- Take this number and multiply by the length of the trench in feet; your answer will be the amount of BURNDY® GROUNDMAX™ material required to fill the trench to the desired level in pounds

Example:

Thickness = 6 inches
 Width of trench = 18 inches
 = 54.6 lbs per linear ft (see table above)
 Answer = 54.6 lbs per linear ft x 25 ft trench = 1,365 lbs of BURNDY® GROUNDMAX™
 = Quantity of 28 50-lb bags of BURNDY® GROUNDMAX™

BURNDY® GROUNDMAX™

Application Information

Vertical Installation

Drill or bore a hole the desired diameter and depth. Suspend ground electrode in center of hole to be filled. Pour BURNDY® GROUNDMAX™ until desired level is obtained. No tamping is required.

Horizontal or Grid Construction ①

Pour into horizontal trench until level of ground wire is reached. Place ground wire. Pour additional BURNDY® GROUNDMAX™ until wire is covered to desired height. Cover with fill. No tamping required.

For grid construction, pour BURNDY® GROUNDMAX™ and spread over ground grid until desired thickness is achieved. Cover with fill.

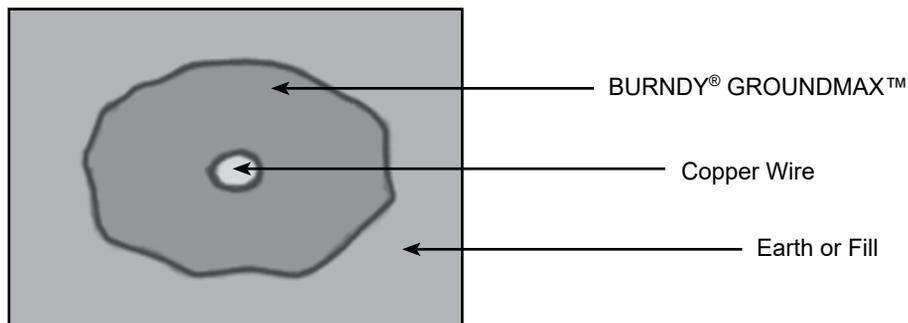
① Entire grounding system should be surrounded by BURNDY® GROUNDMAX™. Conductors should be insulated as they exit BURNDY® GROUNDMAX™ column.

| Dry Volume of BURNDY® GROUNDMAX™ vs. Hole Size | | Ground Resistance Comparison of Bare Rod vs. | |
|--|------------------------------------|---|--|
| Hole Size | Lbs. of BURNDY® GROUNDMAX™ Per Ft. | Hole Size with 5/8" x 10' Rod in Center of 15' Hole | Percent Resistance Compared to Rod Only (100%) |
| 4" | 6.5 | 4" | 52% |
| 6" | 14.5 | 6" | 47% |
| 8" | 25.8 | 8" | 44% |
| 10" | 40.4 | 10" | 42% |
| 12" | 58.1 | 12" | 40% |

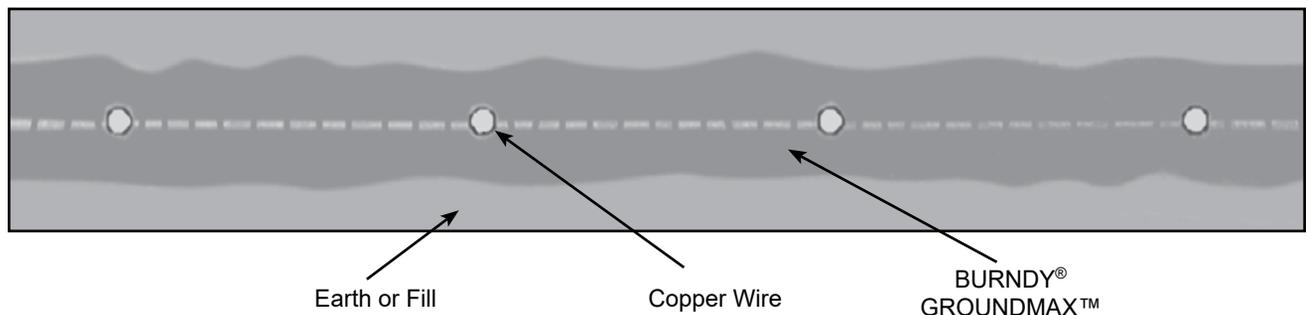
| Steady State Leakage Resistance ② Using 4/0 Copper Wire vs. BURNDY® GROUNDMAX™ | | | | | |
|--|---------------------------|---|-----|-----|-----|
| Length | 0.457" Diameter Wire Only | Percentage of Resistance with 0.457" Wire Plus BURNDY® GROUNDMAX™ in Various Diameters Compared to Wire Only (100%) | | | |
| | | 2" | 3" | 4" | 6" |
| 25' | 100% | 83% | 78% | 74% | 69% |
| 50' | 100% | 85% | 81% | 77% | 73% |
| 75' | 100% | 86% | 82% | 79% | 75% |
| 100' | 100% | 87% | 83% | 80% | 77% |
| 150' | 100% | 88% | 84% | 82% | 78% |
| 200' | 100% | 88% | 85% | 83% | 79% |
| 250' | 100% | 89% | 85% | 83% | 80% |
| 300' | 100% | 89% | 86% | 84% | 80% |

② The use of BURNDY® GROUNDMAX™ around the grounding system will also reduce surge impedance by increasing the effective contact area of the electrode to soil.

Horizontal Construction



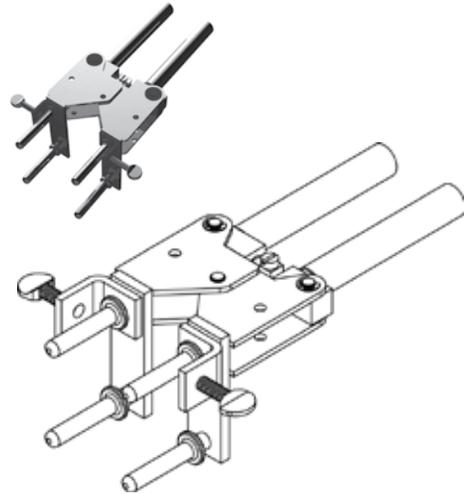
Grid Construction



Handle Clamps

BURNDYWeld® Handle Clamps make possible the use of many different sizes and types of molds with only two different clamps. The two handle clamps are catalog numbers **B-106** & **B-107**. These will fit 95% of all standard BURNDYWeld® molds.

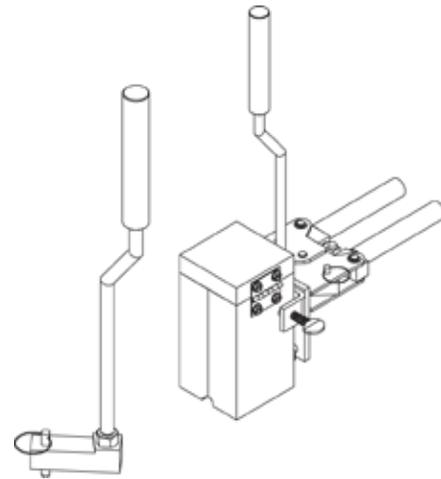
1. Use B-106 clamps for all molds having a price key 4, 7, 17, 22 or 24. These molds are a nominal 3 1/8" x 3 1/8" square.
2. Use B-107 clamps for all molds having a price key 5, 6, 8 or 23. These molds are a nominal 4" x 4" square.
3. All molds having a price key 2, 3, 9, 10, 11, 12, 14, 15 or 16 have an attached frame; separate handles are not required.



Handle Attachment

This Handle Attachment is used to hold Price Key 14 molds in position. It easily attaches to the B-106 Handle Clamp. This Handle Attachment can be used with weld types BCRE-1 and BCRE-4.

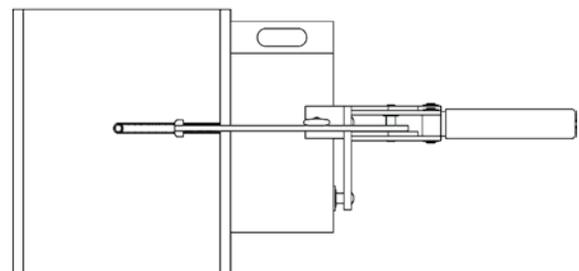
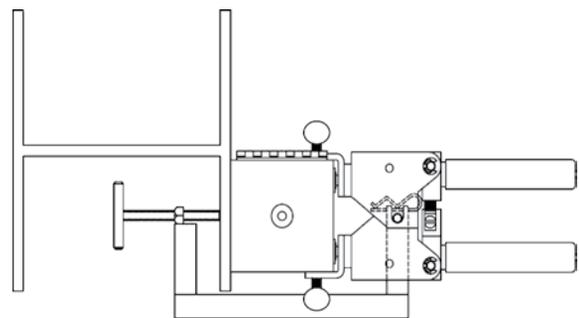
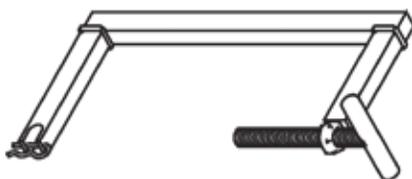
Catalog Number: **B40-0106-75**



Mold Support Clamp

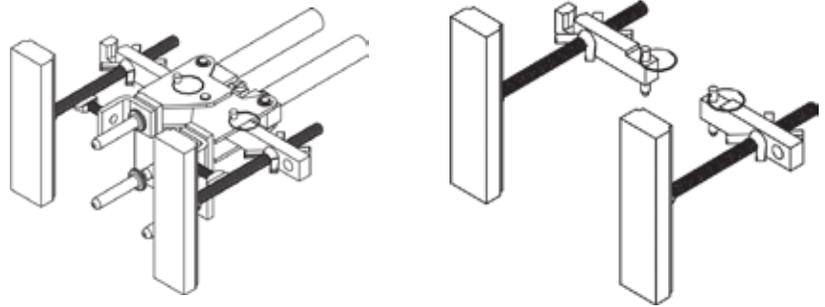
Mold Support Clamp is used to hold a mold in position on a vertical steel column or angle. It is easily attached to the Handle Clamps. The Mold Support Clamp can be used with weld types BCS-3, BCS-18, BCS-23 and BCS-27.

Catalog Number: **B40-3657-00**



Vertical Magnetic Clamps

Magnetic Clamps are used to hold a mold in position on a vertical steel surface. The magnetic clamp can be purchased complete with B-106 Handle Clamps or if you already have a set of handle clamps, you can order just the magnetic mounting assembly. The mounting assembly can easily be mounted on the prongs of your existing B-106 handle clamps. A minimum of 10" is required.



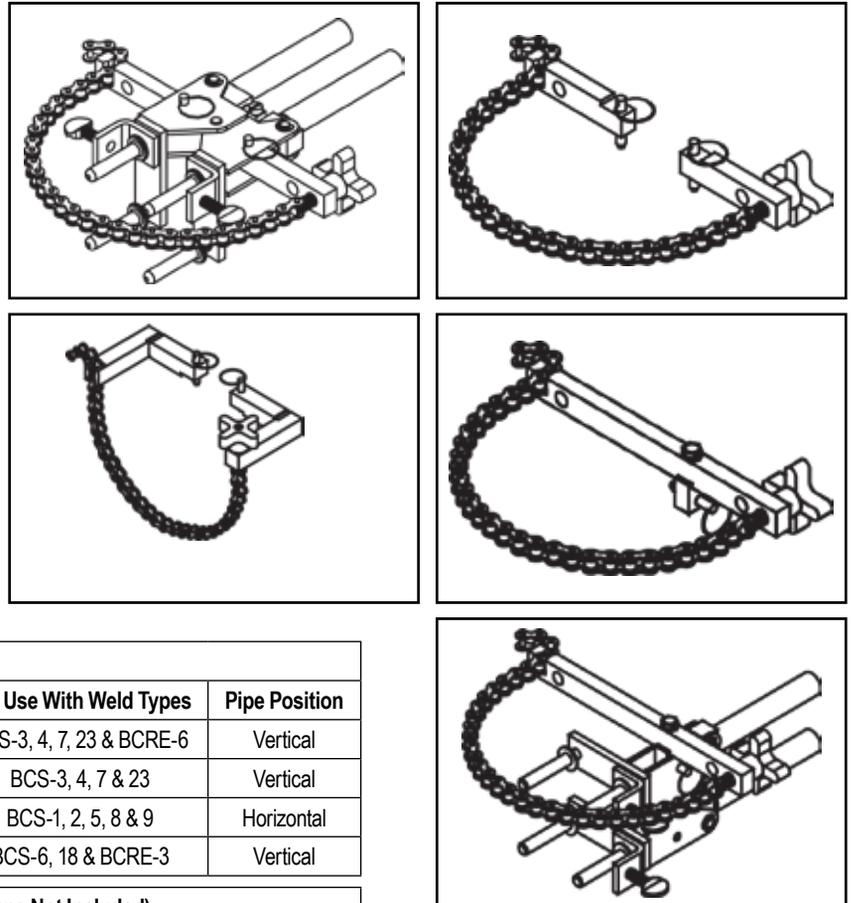
| Magnetic Clamps with B106 Handle | | |
|----------------------------------|-------------------------|-------------------------|
| Catalog Number | Fits Molds w/ Price Key | For Use with Weld Types |
| B40-4431-00 | 4 & 17 | BCS-3, 4, 7 & 23 |

| Magnetic Clamp Only | | |
|---------------------|--------------------|-------------------------|
| Catalog Number | Fits Handle Clamps | For Use with Weld Types |
| B40-4431-01 | B-106 & B-107 | BCS-3, 4, 7 & 23 |

Horizontal and Vertical Chain Clamps

Chain Clamps are used to hold a mold in position on horizontal or vertical pipe up to 4" in diameter. For larger pipe a 20" chain extension is available to allow the chain clamps to be used on pipe up to 10" in diameter. The chain clamp can be purchased complete with B-106 or B-107 Handle Clamps or if you already have a set of handle clamps, you can order just the chain clamp and mounting assembly. The mounting assembly can easily be attached to your existing handle clamps.

20" Chain Extension Catalog number: B40-0106-27



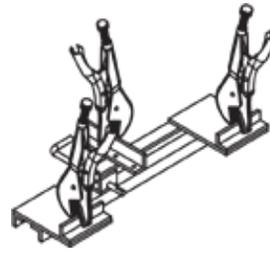
| Chain Clamps | | | |
|----------------|------------------------|--------------------------|---------------|
| Catalog Number | Fits Molds W/Price Key | For Use With Weld Types | Pipe Position |
| B106-32 | 4, 17, 22 & 24 | BCS-3, 4, 7, 23 & BCRE-6 | Vertical |
| B107-32 | 5, 6 & 23 | BCS-3, 4, 7 & 23 | Vertical |
| B106-37 | 4, 17, 22 & 24 | BCS-1, 2, 5, 8 & 9 | Horizontal |
| B40-0106-41 | 4, 17 | BCS-6, 18 & BCRE-3 | Vertical |

| Chain Clamp Only (Handle Clamps Not Included) | | | |
|---|-------------------|--------------------------|---------------|
| Catalog Number | Fits Handle Clamp | For Use With Weld Types | Pipe Position |
| B40-0106-76 | B-106 & B-107 | BCS-3, 4, 7, 23 & BCRE-6 | Vertical |
| B40-0106-78 | B-106 & B-107 | BCS-1, 2, 5, 8 & 9 | Horizontal |
| B40-0106-77 | B-106 & B-107 | BCS-6, 18 & BCRE-3 | Vertical |

Cable Clamp

The BURNDYWeld® Cable Clamp is recommended for holding a wide range of cables properly in place in molds when welding cables that are under tension. This prevents the cables from pulling out of the mold when the weld is made.

Cable Clamp: **B38-0330-00**



Cable Cleaning and Card Cloth Brush

The Cable Cleaning Brush is recommended for cleaning heavily oxidized cables. The V-shape brushes permit their use over a wide range of cable sizes. Brush assembly consists of a handle with two stiff wire bristle brushes that are rotatable, for longer life and are replaceable.



The Card Cloth Brush is used for cleaning large conductors and bus bar. It has short stiff bristles. These brushes are for cleaning cable only, not molds.

| Description | Catalog Number |
|----------------------|--------------------|
| Cable Cleaning Brush | B38-0305-00 |
| Replacement Brush | B38-0135-01 |
| Card Cloth Brush | B38-0306-00 |
| Mold Cleaning Brush | B38-3922-00 |



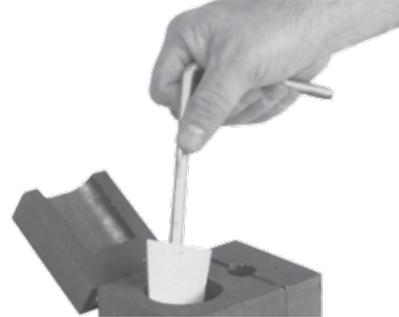
The Mold Cleaning Brush **B38-3922-00** is used to clean the graphite mold without scratching the mold.

Mold Cleaners

Mold Cleaners are used to clean the slag from molds that are not split through the crucible.

B40-0319-01 for cartridge sizes #15 through #65

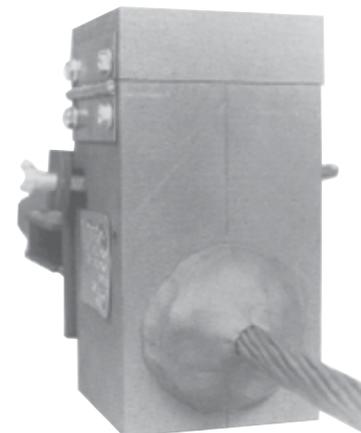
B40-0319-03 for cartridge sizes #90 through #500



Packing Material

Packing material is used to prevent the molten weld metal from leaking out of the mold. When the cable opening becomes worn from heavy use, the packing material may be used to prolong mold use. It is also used around 7 strand cable to prevent leaking. Packing material comes in a 1 lb. or 5 lb. package.

| Description | Catalog Number |
|---------------|------------------|
| 1 lb. package | B38412900 |
| 5 lb. package | B38412905 |



Tool Kit



- B38-0302-00** Tool Kit with Tools Shown except Rasp
- B38-0302-02** Tool Kit with Tools Shown and Rasp
- B38-0303-00** Tool Box only



BURNDYWeld® Tools

The **B38-0309-00** Flint Ignitor is used to ignite the starting powder. Each mold that is sold with a frame has a Flint Ignitor included.

For added safety a Flint Ignitor extension is available, catalog number **B38-0904-00**, that attaches to the B38-0309-00 Flint Ignitor. This allows installers to stay approximately 36" away from the mold.

To order replacement flints, specify part number **B38-0309-01**.

- B38-0309-00** Flint Ignitor
- B38-0304-00** 8" File
- B38-0307-00** Crimping Tool
- B38-3922-00** Mold Cleaning Brush
- B38-0308-00** 6" Screwdriver
- B38-0305-00** Wire Brush
- B38-0101-00** Rasp
- B38-0306-00** Card Cloth Brush

B38-0101-00 Rasp

This tempered steel, curved rasp is recommended for removing rust and mill scale from steel and cast iron surfaces. The blade is replaceable. To order replacement rasp blade, specify catalog number **B38-0101-01**.

Not recommended for use on galvanized surfaces.



B38-0309-00 Flint Ignitor

The **B38-0309-00** Flint Ignitor is used to ignite the starting powder. Each mold that is sold with a frame has a Flint Ignitor included. For added safety a Flint Ignitor extension is available, catalog number B38-0904-00, that attaches to the **B38-0309-00** Flint Ignitor. This allows installers to stay approximately 36" away from the mold.

To order replacement flints, specify part number **B38-0309-01**



Ground Rod Driving Sleeves

Ground Rod Driving Sleeves are placed over the top of a ground rod while driving it into the ground. This prevents the top from mushrooming or flaring out. Ground rod driving sleeves are available in sizes to fit all standard unthreaded ground rods.

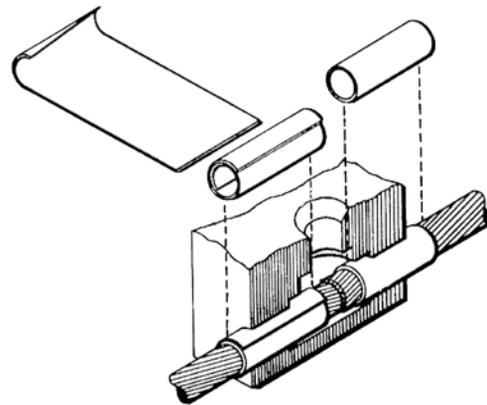


| Catalog Number | For Use On |
|----------------|--------------------------------------|
| B38-3662-01 | 1/2" Copper Clad or Steel Ground Rod |
| B38-3662-02 | 5/8" Copper Clad Ground Rod |
| B38-3662-05 | 5/8" Steel Ground Rod |
| B38-3662-03 | 3/4" Copper Clad Ground Rod |
| B38-3662-06 | 3/4" Steel Ground Rod |
| B38-3662-04 | 1" Copper Clad Ground Rod |

Shim Stock and Adapter Sleeves

BURNDYWeld® molds designed for larger cable sizes can be used on smaller diameter cables if copper adapter sleeves or shim stock are utilized. The copper shim stock, .0108" x 1-1/2" x 3", is normally wrapped around cable until the diameter is about equal to the cable opening. A tight fit is not necessary as the shim stock will unwrap slightly and prevent leakage of weld metal.

To order shim stock use part number **B38-0329-00**. Shim stock comes 100 pieces per box.



| For Use on Cable Size | | Part Number | Use in Mold Size | Sleeve Dimensions | | |
|-----------------------|---------------|-------------|------------------|-------------------|------|--------|
| Stranded | Solid | | | O.D. Size | I.D. | Length |
| #12, #14 | #10, #12, #14 | BA-200 | #6 Str. & Sol. | 0.15 | 0.11 | 1.00 |
| #9, #10 | #8, #9, #10 | BA-208 | #4 Sol. | 0.20 | 0.14 | 1.00 |
| #7, #8, #10 | #6, #8 | BA-201 | #4 | 0.22 | 0.17 | 1.00 |
| #6 | #5 | BA-202 | #2 | 0.29 | 0.19 | 1.00 |
| #4, #5 | #3, #4 | BA-207 | #2 | 0.30 | 0.24 | 1.00 |
| #4 | #2 | BA-204 | #1 | 0.34 | 0.24 | 1.00 |
| #2 | #1 | BA-203 | 1/0 | 0.37 | 0.30 | 1.00 |
| #1 | 1/0 | BA-209 | 2/0 | 0.42 | 0.35 | 1.00 |
| 1/0, #1 | 2/0 | BA-205 | 3/0 & 4/0 Sol. | 0.46 | 0.38 | 1.00 |
| 2/0, 1/0 | 3/0 | BA-240 | 4/0 | 0.52 | 0.43 | 1.50 |
| 4/0 | — | BA-211 | 300 kcmil | 0.62 | 0.54 | 1.25 |
| 250 kcmil | — | BA-212 | 350 kcmil | 0.67 | 0.59 | 1.25 |
| 350, 400 kcmil | — | BA-213 | 500 kcmil | 0.81 | 0.76 | 1.50 |
| 250, 300, 350 kcmil | — | BA-214 | 500 kcmil | 0.81 | 0.70 | 1.50 |
| 750, 800 kcmil | — | BA-215 | 1000 kcmil | 1.15 | 1.05 | 1.50 |

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Wiley Solutions

Not just for Solar Anymore!

Whether installing miles of wire or acres of solar modules, the components no bigger than a few inches can give the project long-term success and provide peace of mind. As PV technology has evolved, BURNDY continues to provide solutions that meet the requirements of the most challenging applications.

The Wiley product offering encompasses varied products to suit the application at hand.

ACE Conduit Entry Boxes offer side and bottom conduit drill-out for easy conduit routing and a choice of pass-through or combiner box with bracket. UL1741 Listed.

Bonding Jumpers of corrosion resistant, tin-plated copper are available with or without the Wiley WEEB® washer. UL467 and UL2703 Listed.

Clamping Solutions offer reliability throughout the lifetime of the PV system. Mid-Clamp and End-Clamp designs for all types of solar module bonding. UL2703 Listed.

Grounding Lugs available with or without the WEEB® washer require no surface preparation of the mounting surface. UL467 and UL2703 Listed.

WEEB® Washers (Washer Electrical Equipment Bond) eliminate the need for older, more expensive grounding methods, and surface preparation like masking or scratch brushing. The WEEB® teeth pierce through most non-conductive coatings (e.g. anodization and powder coating) and embed into the underlying metal thus creating a bonding connection between the surface and the coated metal component that it is installed on or between (e.g. equipment racks, cabinets, enclosures, cable tray, lugs, etc.). Corrosion-resistant 304 stainless steel construction available in a myriad of styles all providing excellent conductivity without oxidation risk. UL467 and UL2703 Listed.

Wiley Cable Clips simplify wire management and provide a neat and orderly aesthetic to solar PV arrays and other installations. For use with a broad range of cable combinations and sizes. No tools required for installation and compatible on modules and a variety of rails. UL1565 Listed.

Wiley Bundle Straps manage bundles of wire. UV rated vinyl jacketing is designed to help protect the cable insulation from damage. Stainless Steel ferrule and wire safeguards system longevity. UL62275 Listed.

Coated Bundle Straps and P-Clips manage bundles of wire and are reusable. Coated steel protects cables from vibration and insulation damage. UL1565 and UL62275 Listed.

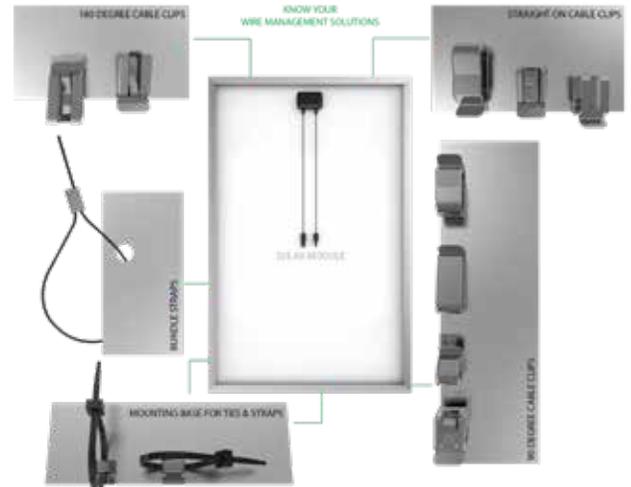


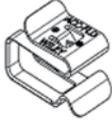
Wiley Cable Clips
High-quality wire management solutions

Engineered for high-quality wire management solutions, Wiley Cable Clips simplify wire management and create a cleaner aesthetic to solar PV arrays. The clips are made of corrosion resistant stainless steel, which makes for a durable, long lasting and reliable solution in all environments and are designed with coined and rolled edges to prevent damage to cable insulation. The designs are easy to install and remove with a flat head screwdriver. The clips can be used in a wide variety of mounting configurations (including 90 and 180 degrees) for module and rail applications. Custom designs are available upon request.

Features and Benefits:

- UL 1565 Listed
- Accommodates a broad range of cable combinations and sizes (e.g., USE-2, PV, AC module, and micro inverter cables)
- Environmentally tested - UL 2703 and ASTM B117
- No tools required for installation
- Coined and rolled edges to prevent damage to cable insulation
- Reliability for use throughout the lifetime of the PV system



| Flange Clips | | | | |
|--|----------------|---------------------------------------|-------------------------|-------------------------------|
| <i>304 Stainless Steel cable clips that install on the module frame or other equipment flange.</i> | | | | |
| Line Image | Catalog Number | Qty of Wires Held | Wire Diameter inch [mm] | Flange Thickness Accommodated |
|  | ACC | 1 to 2 USE-2 wires or 1 PV wire | Max. 0.216 [5.50] | 1.3 - 2.5mm |
|  | ACC-PV | 1 to 2 PV wires | Max. 0.275 [7.00] | 1.3 - 2.5mm |
|  | ACC-FLD | 1 to 2 PV wires | Max. 0.275 [7.00] | 1.3 - 2.5mm |
|  | ACC-FPV | 1 to 2 PV wires | Max. 0.314 [8.00] | 1.0 - 3mm |

Wiley Cable Clips (Continued)

| 90 Degree Flange Clips | | | | |
|--|----------------|--|--|--|
| <i>304 Stainless Steel cable clips that install parallel or perpendicular on the module frame or other equipment flange.</i> | | | | |
| Line Image | Catalog Number | Qty of Wires Held | Wire Diameter inch [mm] | Flange Thickness Accommodated |
|  | ACC-F90-1 | 1 to 2 USE-2 wires or 1 to 2 PV wire | Max. 0.29 [7.50] | 1.3 - 2.5mm |
|  | ACC-FPV90 | 1 to 2 PV wires | Max. 0.314 [8.00] | 1.0 - 3.0mm |
|  | ACC-F2-90 | 1 to 2 Micro Inverter Trunk or AC cables | 1 wire: Max. 0.55 [14.00] 2 wires Max. 0.43 [11.00] | 1.3 - 2.5mm |
|  | ACC-F4-90-1 | 1 to 4 PV wires | Max. 0.29 [7.50] | 1.3 - 2.5mm |
|  | ACC-F490 | 1 to 4 PV wires | Max. 0.314 [8.00] | 1.0 - 3.0mm |
|  | ACC-F4F | 1 to 4 PV wires | Max. 0.314 [8.00] | 1.0 - 3.0mm |
|  | ACC-F1-270 | 2 PV wire or 1 Micro Inverter Trunk | Max. 0.55 [14.00] | 1.0 - 3.0mm |
| 180 Degree Flange Clips | | | | |
| <i>304 Stainless Steel cable clips that install on the flange at 180 degrees.</i> | | | | |
| Line Image | Catalog Number | Qty of Wires Held | Wire Diameter inch [mm] | Flange Thickness Accommodated |
|  | ACC-FPV180 | 1 to 2 PV wires | Max. 0.314 [8.00] | 1.0 - 3.0mm |
|  | ACC-F1-270 | 1 to 2 PV wires or 1 Micro Inverter Trunk | Max. 0.55 [14.00] | 1.0 - 3.0mm |
| Rail Clips | | | | |
| <i>304 Stainless Steel cable clips that install on the rail, channel, or slot.</i> | | | | |
| Line Image | Catalog Number | Qty of Wires Held | Wire Diameter inch [mm] | Rail Type |
|  | ACC-R2 | 1 to 2 Micro Inverter Trunk or AC cables | 1 wire: Max. 0.55 [14.00] 2 wires Max. 0.43 [11.00] | Unirac, Ironrige or Similar Style |
|  | ACC-R4 | 1 to 4 PV wires | Max. 0.29 [7.50] | Unirac, Ironrige or Similar Style |
|  | ACC-RBC15 | 2 Micro Inverter Trunk or up to 4 PV wires | Max. 0.55 [14.00] | Rail Channel or Slot Width: 6.35mm to 13.5mm |



ACC-F90-1 shown in both orientations



ACC-F1-270



ACC-FPV180



ACC-RBC15 shown

Wiley Bundle Straps

High-quality wire management solutions

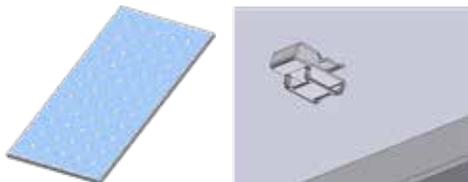
The Wiley Bundle Strap is made of corrosion resistant 304 stainless steel, which makes it a durable, long lasting and reliable solution for all environments. The vinyl jacket covering the stainless steel wire is designed to protect cable insulation from damage. The Wiley Bundle Strap is easy to install and can be crimped in the field with electrician linesman pliers or standard wire cutters. The crimp sleeve's retention feature allows for a quick, effortless, secure installation. Custom lengths available upon request.

Features and Benefits:

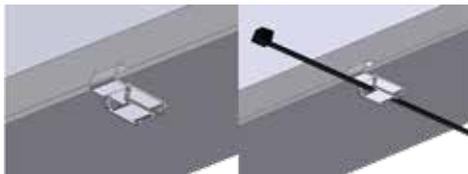
- UL 62275 Listed
- High quality, long-lasting, labor saving, wire management solution
- UV rated vinyl jacketed stainless steel wire with 304 stainless steel crimp
- Vinyl jacket designed to protect cable insulation from damage
- 304 stainless steel crimp sleeve allows for quick and easy installation
- Can be crimped in the field with electrician linesman pliers or standard wire cutters
- Retention feature allows for a quick, effortless, secure installation
- Lasts for the lifetime of the PV system
- RoHS compliant
- Custom lengths available upon request



Installing the ACC-FBC with WBS or UNIRAP™ cable tie



The ACC-FBC mounting base slides onto the module flange



Route a WBS or UNIRAP™ through the ACC-FBC mounting base



Secure desired cables by tightening the WBS or UNIRAP™

ACC-FBC shown with WBS8V

| Wiley Bundle Straps | | | | | |
|---|------------------|--------------------|-----------------------|--------------------------------|--|
| <i>304 Stainless Steel wire covered with vinyl jacket helps protect cable insulation from damage.</i> | | | | | |
| Catalog Number | Length inch [mm] | Diameter inch [mm] | Max. Tensile Strength | Max. Bundle Diameter inch [mm] | Material |
| WBS8V | 8.00 [203.20] | 0.06 [1.50] | 100 lbs. | 2.30 [58.40] | Vinyl Insulated 304 Stainless Steel Wire |
| WBS10V | 10.00 [254.00] | 0.06 [1.50] | 100 lbs. | 2.92 [74.00] | |
| WBS12V | 12.00 [304.80] | 0.06 [1.50] | 100 lbs. | 3.88 [98.50] | |
| WBS14V | 14.00 [356.00] | 0.06 [1.50] | 100 lbs. | 4.20 [106.70] | |
| WBS20V | 20.00 [508.00] | 0.06 [1.50] | 100 lbs. | 6.36 [161.50] | |
| WBS24V | 24.00 [609.60] | 0.06 [1.50] | 100 lbs. | 7.00 [178.00] | |
| WBS30V | 30.00 [762.00] | 0.06 [1.50] | 100 lbs. | 8.75 [222.00] | |
| WBS36V | 36.00 [914.40] | 0.06 [1.50] | 100 lbs. | 11.00 [279.40] | |

| Mounting Platform for WBS Bundle Straps or UNIRAP™ Cable Ties | | | | | |
|--|------------------|-----------------|------------------|--------------------------------|-----------------|
| <i>304 Stainless Steel cable clip used for affixing cable ties to a module flange or similar flange.</i> | | | | | |
| Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Max. Cable Tie Width inch [mm] | Frame Thickness |
| ACC-FBC | 0.55 [14.00] | 0.48 [12.20] | 0.27 [7.00] | 0.31 [8.00] | 1.3mm to 2.5mm |

Wiley Edge Clip with Cable Tie (ACC-ECT) High-quality wire management solutions

The WILEY ACC-ECT is the perfect solution to route cable bundles without the need for mounting holes or additional hardware. The ACC-ECT is a nylon-encased plated steel clip that installs onto the module frame flange and allows a cable tie to be routed in both landscape (on the horizontal/perpendicular portion of the module frame) and portrait (on the vertical/parallel portion of the module frame) orientations. The ACC-ECT is available in UV resistant, high impact heat stabilized nylon 6/6 and nylon 12 material; both the 6/6 and 12 have a tensile strength of 50 lb. Nylon 12 makes the ACC-ECT especially suitable in high moisture, corrosive environments or where low temperatures are a factor.

Features and Benefits:

- Route cable bundles without the need for mounting holes or additional hardware
- Installs in a vertical/parallel (90°) or horizontal/perpendicular (180°) orientation
- Steel lances securely anchor clips to module frames or purlins
- Offered in various nylon types with 50 lb tensile strength:
 - UV resistant, high impact heat stabilized Nylon 6/6
 - UV resistant Nylon 12 which provides excellent UV, chemical and moisture resistance



Style A - Vertical/Parallel Installation



Style B - Horizontal/Perpendicular Installation

Style A - Vertical/Parallel Installation

Style B - Horizontal/Perpendicular Installation

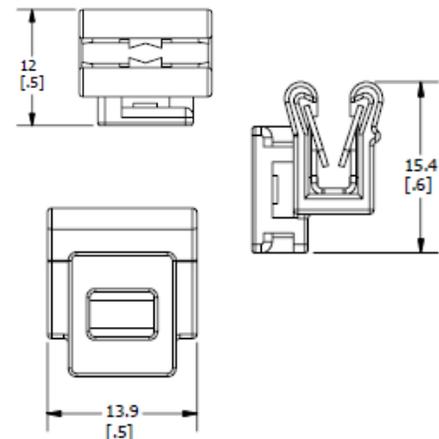


Part Key

| | | |
|---------------|-----|--|
| Family | ACC | Acme Cable Clip |
| Type | ECT | Edge Clip Tie |
| Style | A | Vertical/Parallel (90°) Installation |
| | B | Horizontal/Perpendicular (180°) Installation |

| Catalog Number | Style | Nylon Type | Cable Tie Length | Max. Bundle Dia. |
|----------------|-------|------------|------------------|------------------|
| ACC-ECTA68 | A | 6/6 | 8" / 200mm | 1.95" / 49.5mm |
| ACC-ECTA611 | | | 11" / 280mm | 2.95" / 74.8mm |
| ACC-ECTA614 | | | 14" / 360mm | 3.94" / 100mm |
| ACC-ECTA128 | | 12 | 8" / 200mm | 1.95" / 49.5mm |
| ACC-ECTA1211 | | | 11" / 280mm | 2.95" / 74.8mm |
| ACC-ECTA1214 | | | 14" / 360mm | 3.94" / 100mm |
| ACC-ECTB68 | B | 6/6 | 8" / 200mm | 1.95" / 49.5mm |
| ACC-ECTB611 | | | 11" / 280mm | 2.95" / 74.8mm |
| ACC-ECTB614 | | | 14" / 360mm | 3.94" / 100mm |
| ACC-ECTB128 | | 12 | 8" / 200mm | 1.95" / 49.5mm |
| ACC-ECTB1211 | | | 11" / 280mm | 2.95" / 74.8mm |
| ACC-ECTB1214 | | | 14" / 360mm | 3.94" / 100mm |

Edge Clip Compartment



Wiley Coated Wire Management
Coated Straps, Coated P-Clips

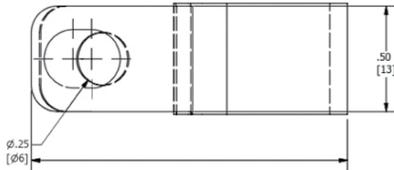
Wiley coated products are a durable, long lasting and reliable solution for protecting wires and cables. The vinyl coating acts as a shield against vibration and cable insulation damage. Wiley coated P-Clips easily install into a mounting hole with 1/4" hardware. Wiley coated straps are the perfect reusable, long lasting alternative to a cable tie solution. These products are great for general wire fastening applications, such as holding hydraulic hoses, wire harnesses, cables, and everyday solar wire management. Indoor/Outdoor rated and UV resistant.



Wiley Coated Straps

Vinyl coated steel straps protect cables from vibration and insulation damage.

| Catalog Number | Length inch [mm] | Diameter inch [mm] | Max. Bundle Diameter inch [mm] | Material | UL |
|----------------|------------------|--------------------|--------------------------------|------------------|-----------------|
| WIS8-2 | 7.87 [200.0] | 0.24 [6.0] | 2.00 [50.8] | PVC coated steel | UL 62275 Listed |
| WIS12-3 | 11.80 [300.0] | 0.24 [6.0] | 3.00 [76.2] | | |



Wiley Coated P-Clips

Vinyl coated steel p-clips protect cables from vibration and insulation damage.

| Catalog Number | Width inch [mm] | Max. Bundle Diameter inch [mm] | Material | UL |
|----------------|-----------------|--------------------------------|------------------------------|----------------|
| WIPC14-14 | 0.24 [6.0] | 0.25 [6.4] | PVC coated zinc plated steel | UL 1565 Listed |
| WIPC14-12 | 0.24 [6.0] | 0.50 [12.7] | | |
| WIPC14-34 | 0.24 [6.0] | 0.75 [19.0] | | |
| WIPC14-1 | 0.24 [6.0] | 1.00 [25.4] | | |
| WIPC14-112 | 0.24 [6.0] | 1.50 [38.0] | | |



Grounding Lugs

Tin-plated Copper, low-profile design

Constructed of corrosion resistant, tin-plated copper, the Wiley line of grounding lugs are high quality solutions for your grounding needs. The tin-plated lug assures minimum contact resistance and protection against corrosion. The low profile of the grounding lug allows it to be installed in a variety of positions with one solid or stranded copper wire (14 AWG to 6 AWG), or two copper wires (12 AWG to 10 AWG). Copper wire is secured by a 1/4-28 stainless steel screw, which is horizontal to the tang.

The WEEB® Grounding Lug is installed using stainless steel mounting hardware. When the hardware is tightened, the WEEB® washer's specialized teeth embed into coated (e.g. anodized, powder coated, etc.) metal or any electrically conductive metal to establish a reliable electrical connection.

The Wiley Grounding Lug is available unassembled, without installation hardware, and with standard hole sizes of 1/4" and 5/16" (M8). Perfect for galvanized steel applications or anywhere a WEEB® washer is not required.



WEEB® Lug



Features and Benefits:

- UL 467 Listed
- UL 2703 Listed
- Made of corrosion-resistant, tin-plated copper
- Design ensures a quick and easy installation
- Available:
 - With or without WEEB® washer technology
 - Assembled or unassembled
 - With or without installation hardware
- **No** surface preparation required on the rail or module
- Custom designs available upon request
- Reliability for use throughout the lifetime of the PV system



Wiley Lug

| WEEB® Grounding Lug | | | | | | |
|--|------------------------|-----------------------|---------------------|------------------------|--------------------------------------|-----------------|
| <i>Utilizes proven WEEB® washer technology to bite through most non-conductive coatings.</i> | | | | | | |
| Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Mounting Hardware | Assembled |
| WEEB-LUG-6.7 | 1.57 [40.00] | 0.71 [18.00] | 0.47 [12.00] | 0.27 [6.76] | 1/4" hardware included | N |
| WEEB-LUG-6.7AS | | | | | | Y |
| WEEB-LUG-8.0 | | 0.86 [22.00] | | | M8 or 5/16" hardware not included | N |
| WEEB-LUG-8.0AS | | | | | | Y |
| WEEB-LUG-8.0UN | | | | | 5/16" hardware included | N |
| WEEB-LUG-15.8 | | 0.71 [18.00] | | | M8 or 5/16" hardware not included | N |
| WEEB-LUG-8.2 | | | | | | N |
| WEEB-LUG-10.3 | | 0.86 [22.00] | | | | 0.41 [10.30] |
| Wiley Grounding Lug | | | | | | |
| <i>Perfect for galvanized steel applications or anywhere a WEEB® washer is not required.</i> | | | | | | |
| WILEYLUG6.7 | 1.57 [40.00] | 0.71 [18.00] | 0.47 [12.00] | 0.27 [6.76] | 1/4" hardware not included | N |
| WILEYLUG8.0 | | 0.86 [22.00] | | | | |
| WILEYLUG8.2 | | 0.709 [18.00] | | | | |
| WILEYLUG15.8 | | | | | | |

WEEB® Washer
 Washer Electrical Equipment Bond

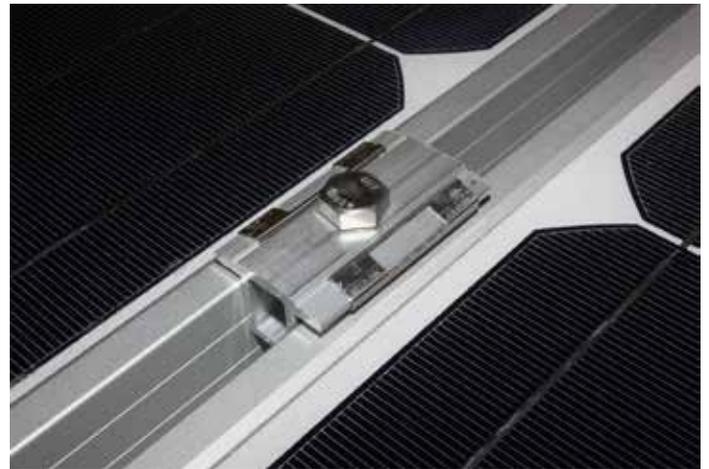
A revolution in bonding, WEEB® washers eliminate the need for older, more expensive grounding methods while also significantly reducing the amount of labor and materials used installations. No surface preparation or masking required.

Here's how it works: The WEEB® teeth pierce through most non-conductive coatings (e.g. anodization and powder coating) and embed into the underlying metal thus creating a bonding connection between the mounting surface and the coated metal component that it is installed on or between (e.g. equipment racks, cabinets, enclosures, cable tray, lugs, etc.). The result is excellent conductivity without oxidation — in solar it bonds the PV module frame with the metal racking structure. Essentially, the module and rail become one singular piece of metal, creating an electrical path to ground.

The WEEB® washers can be used in various applications like, but not limited to, coated equipment, fence, or cabinet bonding.

Features and Benefits:

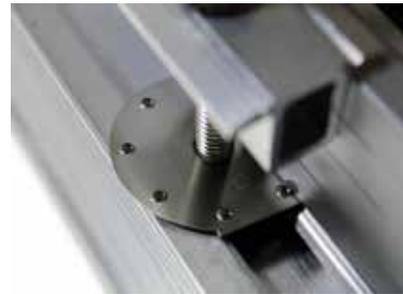
- UL 467 Listed
- UL 2703 Recognized; UL 2703 Listed with certain systems
- Corrosion-resistant 304 stainless steel construction
- Reliability for use throughout the lifetime of the PV system
- Rated for outdoor use
- Multi-use
- Custom designs available upon request

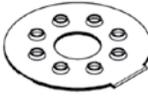


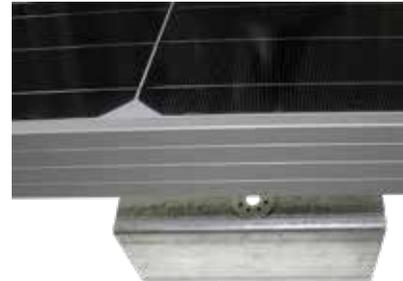
| Integrated Bonding Clamp WEEB® Washers | | | | | | |
|---|---------------------|------------------------|-----------------------|---------------------|------------------------|----------|
| <i>WEEB® clamp washers easily snap or slide onto a mid-clamp and/or end-clamp for quick installation.</i> | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
| | WEEB-BMC-1 | 1.57 [40.00] | 0.30 [7.60] | 0.19 [4.83] | N/A | Clip On |
| | WEEB-M-KR | 1.65 [41.90] | 1.40 [35.80] | 0.22 [5.50] | 0.33 [8.38] | Slide On |
| | WEEB-MSNR516 | 1.50 [38.00] | 1.57 [40.00] | 0.25 [6.40] | 0.43 [11.00] | Slide On |

WEEB® Washers (Continued)

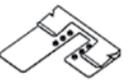
| Universal WEEB® Disk Washers - Top Clamp Applications | | | | | | |
|--|----------------|------------------------|-----------------------|---------------------|------------------------|------|
| <i>Universal WEEB® Disk Washers allow for a wide range of compatibility across various racking systems and applications.</i> | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
|  | WEEB-DSKBD34 | 1.57 [40.00] | 1.57 [40.00] | 0.07 [1.75] | 0.32 [8.10] | Disk |
|  | WEEB-DSK516-45 | 1.77 [45.00] | 1.77 [45.00] | 0.07 [1.75] | 0.32 [8.10] | Disk |



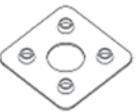
| Universal WEEB® Disk Washers - Bottom Mount Applications | | | | | | |
|--|----------------|------------------------|-----------------------|---------------------|------------------------|------|
| <i>Universal WEEB® Disk Washers allow for a wide range of compatibility across various racking systems and applications.</i> | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
|  | WEEB-DSK14 | 0.94 [24.10] | 0.94 [24.10] | 0.07 [1.75] | 0.26 [6.75] | Disk |
|  | WEEB-DSK516 | 1.01 [25.75] | 1.01 [25.75] | 0.07 [1.75] | 0.32 [8.10] | Disk |
|  | WEEB-DSK38 | 1.18 [30.88] | 1.18 [30.88] | 0.07 [1.75] | 0.39 [9.80] | Disk |
|  | WEEB-DSK12 | 1.39 [35.38] | 1.39 [35.38] | 0.07 [1.75] | 0.51 [13.10] | Disk |



WEEB® Washers (Continued)

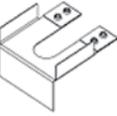
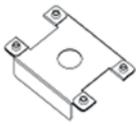
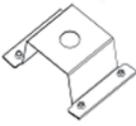
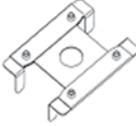
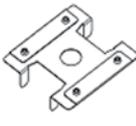
| Universal Frame Bottom Mount WEEB® Washers | | | | | | |
|--|----------------|------------------------|-----------------------|---------------------|------------------------|---------|
| <i>Universal WEEB® FBM washers are used in Solar PV bottom mount applications and can be applied to applications outside of solar.</i> | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
|  | WEEB-FBM14 | 1.78 [45.25] | 1.67 [42.50] | 0.12 [3.20] | 0.26 [6.75] | Clip On |
|  | WEEB-FBM516 | 1.81 [46.00] | 1.78 [45.25] | 0.12 [3.20] | 0.32 [8.10] | Clip On |



| Bottom Mount WEEB® Washers | | | | | | |
|--|----------------|------------------------|-----------------------|---------------------|------------------------|-------|
| <i>Bottom mounting WEEB® washers bond PV modules to the mounting structure at the module mounting holes; May have features that can be applied to applications outside of solar and secure the WEEB® at holes, slots, or directly to the module frame prior to installation.</i> | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
|  | WEEB-UIR | 0.71 [18.00] | 0.71 [18.00] | 0.03 [0.89] | 0.26 [6.75] | Rigid |
|  | WEEB-11.5 | 0.87 [22.10] | 0.79 [20.20] | 0.15 [4.00] | 0.47 [12.00] | Rigid |
|  | WEEB-9.5 | 0.71 [18.00] | 0.59 [15.10] | 0.12 [3.15] | 0.39 [10.00] | Rigid |
|  | WEEB-9.5NL | 0.71 [18.00] | 0.59 [15.10] | 0.07 [1.74] | 0.39 [10.00] | Rigid |

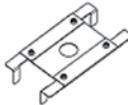
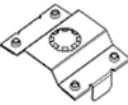
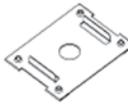
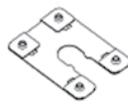


WEEB® Washers (Continued)

| Top Clamp WEEB® Washers | | | | | | |
|--|----------------|------------------------|-----------------------|---------------------|------------------------|----------|
| <i>Top clamp mounting WEEBs bond PV modules to the mounting structure at mid-clamp locations; May be pre-installed or slid onto mid-clamp hardware prior to the securement of modules and can be applied to applications outside of solar.</i> | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
|  | WEEB-ADC | 0.94 [24.00] | 0.73 [18.66] | 0.15 [3.75] | N/A | Clip On |
|  | WEEB-ADR | 1.34 [34.00] | 1.18 [30.00] | 0.72 [18.25] | 0.38 [9.75] | Rigid |
|  | WEEB-ASR | 1.51 [38.40] | 1.00 [25.50] | 0.24 [6.12] | 0.32 [8.14] | Rigid |
|  | WEEB-ATF | 1.68 [42.66] | 1.26 [32.00] | 0.40 [10.11] | 0.31 [7.94] | Flexible |
|  | WEEB-BMC-1 | 1.49 [38.00] | 0.30 [7.60] | 0.12 [2.97] | N/A | Clip On |
|  | WEEB-CCR | 1.59 [40.33] | 1.26 [32.00] | 0.24 [6.05] | 0.33 [8.43] | Rigid |
|  | WEEB-CCR-2 | 1.59 [40.33] | 1.49 [38.00] | 0.24 [6.05] | 0.33 [8.43] | Rigid |
|  | WEEB-CMC | 1.28 [32.50] | 1.15 [29.10] | 0.19 [4.83] | 0.31 [8.00] | Slotted |
|  | WEEB-DHF | 1.06 [27.00] | 1.13 [28.60] | 0.60 [15.09] | 0.30 [7.69] | Flexible |

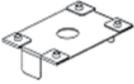
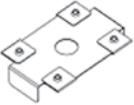
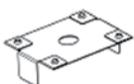


WEEB® Washers (Continued)

| Top Clamp WEEB® Washers | | | | | | |
|--|----------------|------------------------|-----------------------|---------------------|------------------------|----------|
| <i>Top clamp mounting WEEBs bond PV modules to the mounting structure at mid-clamp locations; May be pre-installed or slid onto mid-clamp hardware prior to the securement of modules and can be applied to applications outside of solar.</i> | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
|  | WEEB-DMC | 0.86 [22.04] | 0.71 [18.00] | 0.30 [7.62] | 0.25 [6.35] | Rigid |
|  | WEEB-DPF | 1.06 [27.00] | 1.13 [28.60] | 0.59 [15.09] | 0.30 [7.69] | Flexible |
|  | WEEB-DPR | 1.00 [25.41] | 0.98 [25.00] | 0.98 [25.00] | 0.31 [8.00] | Rigid |
|  | WEEB-ECR | 2.16 [55.00] | 1.17 [29.70] | 0.28 [7.09] | 0.33 [8.43] | Rigid |
|  | WEEB-JJR | 1.25 [31.75] | 0.91 [23.00] | 0.33 [8.51] | 0.37 [9.40] | Flexible |
|  | WEEB-KMC | 1.67 [42.42] | 1.22 [31.00] | 0.18 [4.70] | 0.37 [9.40] | Rigid |
|  | WEEB-KSR | 1.39 [35.26] | 0.99 [25.20] | 0.10 [2.55] | 0.31 [8.00] | Slotted |
|  | WEEB-OCR | 1.36 [34.50] | 1.16 [29.50] | 0.12 [3.17] | 0.33 [8.38] | Slotted |
|  | WEEB-OSF | 1.48 [37.70] | 1.26 [32.00] | 0.39 [10.03] | 0.37 [9.55] | Flexible |



WEEB® Washers (Continued)

| Top Clamp WEEB® Washers | | | | | | |
|--|----------------|------------------------|-----------------------|---------------------|------------------------|----------|
| <i>Top clamp mounting WEEBs bond PV modules to the mounting structure at mid-clamp locations; May be pre-installed or slid onto mid-clamp hardware prior to the securement of modules and can be applied to applications outside of solar.</i> | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
|  | WEEB-PMC | 1.58 [40.11] | 1.10 [28.00] | 0.25 [6.37] | 0.31 [7.94] | Rigid |
|  | WEEB-RPR | 1.47 [37.41] | 1.14 [28.85] | 0.27 [6.88] | 0.32 [8.20] | Rigid |
|  | WEEB-SCR | 1.72 [43.70] | 0.65 [16.51] | 0.28 [7.11] | 0.37 [9.53] | Rigid |
|  | WEEB-SMC-2 | 1.50 [38.10] | 0.98 [25.00] | 0.33 [8.38] | 0.32 [8.20] | Slotted |
|  | WEEB-SSF | 1.33 [33.86] | 0.59 [15.00] | 0.67 [16.94] | 0.34 [8.48] | Flexible |
|  | WEEB-SSR | 1.70 [43.20] | 1.35 [34.30] | 0.27 [6.86] | 0.37 [9.53] | Rigid |
|  | WEEB-STC | 0.94 [24.00] | 0.42 [10.58] | 0.17 [4.42] | N/A | Rigid |
|  | WEEB-UMC | 1.49 [37.91] | 0.71 [18.00] | 0.29 [7.34] | 0.25 [6.35] | Rigid |
|  | WEEB-WMC | 1.63 [41.30] | 1.31 [33.50] | 0.34 [8.61] | 0.31 [7.94] | Rigid |



WEEB® Washers (Continued)

| Replacement WEEB® Washers | | | | | | |
|--|----------------|------------------------|-----------------------|---------------------|------------------------|-------|
| Replacement WEEB® Washers for WEEB-LUG and WEEB-BNDJMP product lines. | | | | | | |
| Line Image | Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Type |
|  | WEEB-15.8 | 1.37 [34.85] | 0.71 [18.00] | 0.17 [4.27] | 0.32 [8.20] | Rigid |
|  | WEEB-6.7 | 1.37 [34.35] | 0.71 [18.00] | 0.17 [4.27] | 0.26 [6.53] | Rigid |
|  | WEEB-8.0 | 1.45 [36.75] | 0.86 [22.00] | 0.17 [4.27] | 0.32 [8.20] | Rigid |
|  | WEEB-8.2 | 1.37 [34.85] | 0.71 [18.00] | 0.17 [4.27] | 0.32 [8.20] | Rigid |



Telecom WEEB® Washer Washer Electrical Equipment Bond

The Telecom WEEB® Washer design utilizes patented WEEB® Washer teeth eliminating the need to remove nonconductive coatings (e.g. anodization and powder coat) when making bonding connections. The teeth pierce through most nonconductive coatings and embed into the underlying metal creating a bonding connection between the lug and the coated metal component that it is installed on (e.g. equipment racks, cabinets, enclosures, cable tray, etc.). Eliminating the step to remove nonconductive coatings is a huge time savings in addition to creating a cleaner work environment and most important, prevent improper coating removal techniques that can lead to poor connections.

Features and Benefits:

- Made from corrosion resistant 304 stainless steel for outstanding durability and performance
- Eliminates the need for surface preparation and oxide inhibitor
- Detailed manual specifying proper hardware, torque, and mounting information is available upon request
- UL 467 Recognized for grounding and bonding equipment
- Custom grounding and bonding solutions available upon request



| Two Hole Telecom WEEB® Washer | | | | | | Stainless Steel Hardware Kits (TMH-SS) - Sold Separately* | | | | | | | | | | |
|-------------------------------|-----------------------------------|-----------|------------|---------------|-----------------|---|-----------|---------|--------|-----|-------------|--------------|-----------|---------------|------------------------------|-----------|
| Catalog # | Compatible TWO-hole HYLUG™ Family | Conductor | | Hex Head Bolt | | Stud Hole Spacing | Catalog # | Bolt | | | Flat Washer | Split Washer | Hex Nut | Working Range | Installation Torque (in-lbs) | |
| | | Wire Type | Wire Range | Size | Torque (in-lbs) | | | Size | Length | Qty | | | | | | |
| WEEB-2TC14 | YA-2TC14 | Code | #14-2 AWG | 1/4 | 100 | 5/8" | TMH262SS | 1/4-20" | 2 | 4 | 2 | 2 | 0.09-0.34 | 100 | | |
| | YA-L-2TC14 | | | | | | TMH263SS | | | | | | | | 0.75 | |
| | YAZ-2TC14 | | | | | | TMH264SS | | | | | | | | 1.00 | |
| | YAZV-2TC14 | | | | | | TMH265SS | | | | | | | | 1.25 | |
| | YGA-2TC14 | Flex | #8-2 AWG | | | | TMH266SS | | | | | | | | 1.50 | 0.59-0.84 |
| | YA-L-2TC14-FX | | | | | | TMH267SS | | | | | | | | 1.00 | 0.84-1.09 |
| | YAV-L-2TC14-FX | | | | | | TMH268SS | | | | | | | | 1.25 | 0.19-0.44 |
| | YAZ-2TC14-FX | | | | | | TMH269SS | | | | | | | | 1.50 | 0.44-0.69 |
| YAZV-2TC14-FX | TMH270SS | 1.75 | 0.69-0.94 | | | | | | | | | | | | | |
| WEEB-2TC38 | YA-2TC38 | Code | #14-2 AWG | 3/8 | 240 | 1" | TMH271SS | 3/8-16" | 2 | 4 | 2 | 2 | 0.94-1.19 | 240 | | |
| | YA-L-2TC38 | | | | | | TMH272SS | | | | | | | | 1.00 | 1.19-1.44 |
| | YAZ-2TC38 | | | | | | TMH273SS | | | | | | | | 1.25 | |
| | YAZV-2TC38 | | | | | | TMH274SS | | | | | | | | 1.50 | |
| | YGA-2TC38 | Flex | #8-2 AWG | | | | TMH275SS | | | | | | | | 1.75 | |
| | YA-L-2TC38-FX | | | | | | TMH276SS | | | | | | | | 2.00 | |
| | YAV-L-2TC38-FX | | | | | | TMH277SS | | | | | | | | | |
| | YAZ-2TC38-FX | | | | | | TMH278SS | | | | | | | | | |
| YAZV-2TC38-FX | TMH279SS | | | | | | | | | | | | | | | |

Telecom WEEB® Washer; Single Hole
Washer Electrical Equipment Bond

The WILEY Telecom WEEB® (Washer, Electrical Equipment Bond) Washer is a powder coat and paint penetrating, contact-enhancing washer used between connectors and equipment frames, cabinets and other painted metallic surfaces to be bonded.

The WEEB® Washer teeth eliminate the need to remove non-conductive coatings (e.g. paint and powder coat) when making a bonding connection. The WEEB® teeth pierce through most non-conductive coatings and embed into the underlying metal thus creating a bonding connection between the lug and the coated metal component that it is installed on (e.g. equipment racks, cabinets, enclosures, cable tray, etc.). Not having to remove non-conductive coatings will save on installation time, create a cleaner work environment, and most importantly, prevent improper coating removal techniques that can lead to poor connections. WEEB® Washers also help eliminate unwanted rotation of the lug keeping your connections secure and properly bonded.



Features and Benefits:

- For bonding lug to underlying coated metal surfaces in various applications (e.g. equipment racks, cabinets, servers, enclosures, cable trays, etc.)
- For use with 1-Hole HYLUG™ or equivalent connectors
- Wire Range: #14 to #6 AWG
- Coating Types: Paint, Powder Coating and similar
- Coating Thickness: Maximum 5 Mils
- WEEB-TC14: 1/4" Stud
- WEEB-TC38: 3/8" Stud
- Refer to detailed manual specifying proper hardware, torque, mounting information, and applicable lugs

| WEEB® Washer | Compatible 1-Hole HYLUG™ Family | Conductor | | Hex Head Bolt | | Installation Tooling |
|--------------|---------------------------------|-----------|------------|---------------|-----------------|----------------------|
| | | Wire Type | Wire Range | Size | Torque (in-lbs) | |
| WEEB-TC14 | YA-TC14 | Code | #14-#6 AWG | 1/4" | 100 | BTW30150 |
| | YA-L-TC14 | Code | #14-#6 AWG | | | |
| | YAZ-TC14 | Code | #14-#6 AWG | | | |
| | YAZV-TC14 | Code | #14-#6 AWG | | | |
| | YGA-TC14 | Code | #8-#6 AWG | | | |
| | YA-L-TC14-FX | Flex | #8-#6 AWG | | | |
| | YAV-L-TC14-FX | Flex | #8-#6 AWG | | | |
| | YAZ-TC14-FX | Flex | #8-#6 AWG | | | |
| | YAZV-TC14-FX | Flex | #8-#6 AWG | | | |
| WEEB-TC38 | YA-TC38 | Code | #14-#6 AWG | 3/8" | 240 | BTW150750 |
| | YA-L-TC38 | Code | #14-#6 AWG | | | |
| | YAZ-TC38 | Code | #14-#6 AWG | | | |
| | YAZV-TC38 | Code | #14-#6 AWG | | | |
| | YGA-TC38 | Code | #8-#6 AWG | | | |
| | YA-L-TC38-FX | Flex | #8-#6 AWG | | | |
| | YAV-L-TC38-FX | Flex | #8-#6 AWG | | | |
| | YAZ-TC38-FX | Flex | #8-#6 AWG | | | |
| | YAZV-TC38-FX | Flex | #8-#6 AWG | | | |

Bonding Jumper Tin-plated Braided Copper

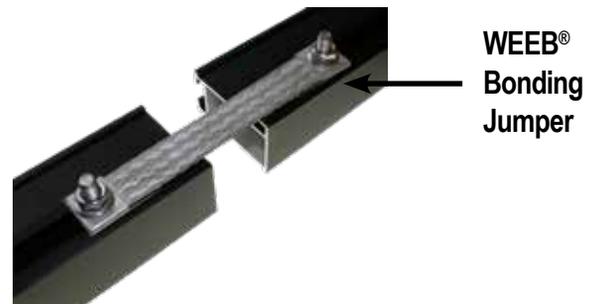
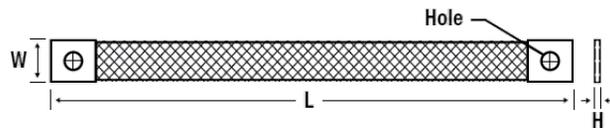
Constructed of corrosion resistant, tin-plated, braided copper, the Wiley line of bonding jumpers are high quality solutions for your system.

The WEEB® Bonding Jumper is used to create an electrical connection between two pieces of coated (e.g. anodized, powder coated, etc.) metal or any electrically conductive material. This maintains electrical continuity over long spans or air gaps between metal structures.

The Wiley Bonding Jumper is used to create an electrical connection between two pieces of galvanized steel or other uncoated electrically conductive metals.

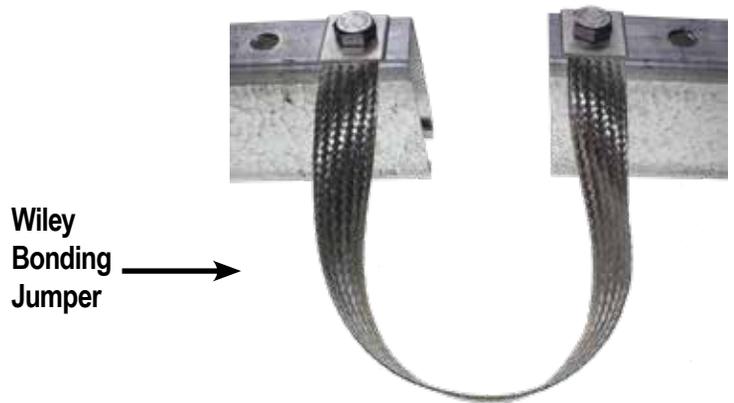
Features and Benefits:

- UL 467 Listed
- UL 2703 Listed
- Corrosion resistant
- Equivalent to #6 AWG copper wire
- Available:
 - With or without WEEB® washer technology
 - Assembled or unassembled
 - With or without installation hardware
- In-stock standard lengths from 6" to 36" (custom lengths available upon request)
- Reliability for use throughout the lifetime of the PV system



| WEEB® Bonding Jumpers: | | Utilizes proven WEEB® washer technology to bite through any non-conductive coatings. | | | | | |
|------------------------|---------------------|--|---------------------|------------------------|-------|--|-----------|
| Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Gauge | Hardware | Assembled |
| WEEB-BNDJMP6.7 | 9.00 [228.60] | 0.71 [18.00] | 0.08 [2.03] | 0.26 [6.53] | 6 AWG | WEEB® washer included; 1/4" mounting hardware NOT included | N |
| WEEB-BNDJMP6.7AS | | | | | | WEEB® washer included; 1/4" mounting hardware included | Y |
| WEEB-BNDJMP8.0 | 6.00 [152.40] | 0.87 [22.00] | 0.10 [2.54] | 0.32 [8.20] | | WEEB® washer included; M8 or 5/16" mounting hardware NOT included | N |
| WEEB-BNDJMP8.0AS | | | | | | WEEB® washer included; M8 or 5/16" mounting hardware included | Y |
| WEEB-BNDJMP8.2 | 10.00 [254.00] | 0.71 [18.00] | 0.08 [2.03] | 0.32 [8.20] | | WEEB® washer included; M8 or 5/16" mounting hardware NOT included | N |
| WEEB-BNDJMP8.2MS | | | | | | WEEB® washer included; M8 flat washer included | N |
| WEEB-BNDJMP9 | 9.00 [228.60] | 0.71 [18.00] | 0.08 [2.03] | 0.26 [6.53] | | WEEB® washer included; 1/4" mounting hardware NOT included | N |
| WEEB-BNDJMP12 | | | | | | WEEB® washer included; 1/4" mounting hardware NOT included | N |
| WEEB-BNDJMP12AS | 12.00 [304.80] | 0.71 [18.00] | 0.08 [2.03] | 0.26 [6.53] | | WEEB® washer included; 1/4" mounting hardware included | Y |
| WEEB-BNDJMP18 | | | | | | WEEB® washer included; 1/4" mounting hardware NOT included | N |
| WEEB-BNDJMP18AS | 18.00 [457.20] | 0.71 [18.00] | 0.08 [2.03] | 0.26 [6.53] | | WEEB® washer included; 1/4" mounting hardware included | Y |
| WEEB-BNDJMP24 | | | | | | WEEB® washer included; 1/4" mounting hardware NOT included | N |
| WEEB-BNDJMP24AS | 24.00 [609.80] | 0.71 [18.00] | 0.08 [2.03] | 0.26 [6.53] | | WEEB® washer included; 1/4" mounting hardware included | Y |
| WEEB-BNDJMP36 | | | | | | WEEB® washer included; 1/4" mounting hardware NOT included | N |
| WEEB-BNDJMP36AS | 36.00 [914.40] | 0.71 [18.00] | 0.08 [2.03] | 0.26 [6.53] | | WEEB® washer included; 1/4" mounting hardware included | Y |

Bonding Jumpers (Continued)



| Wiley Bonding Jumpers: | | <i>Perfect for tracker applications, galvanized steel or anywhere a WEEB® washer is not required.</i> | | | | |
|-------------------------------|-------------------|---|----------------|-----------------|-------|---|
| Catalog Number | Length | Width | Height | Hole Size | Gauge | Hardware Size |
| WILEYBRAID6 | 6.00 [152.40] | 0.71 [18.00] | 0.08 [2.03] | 0.26 [6.53] | 6 AWG | M6 or 1/4" No WEEB® washer or mounting hardware included |
| WILEYBRAID9 | 9.00 [228.60] | | | | | |
| WILEYBRAID12 | 12.00 [304.80] | | | | | |
| WILEYBRAID18 | 18.00 [457.20] | | | | | |
| WILEYBRAID24 | 24.00 [609.80] | | | | | |
| WILEYBRAID30 | 30.00 [762.00] | | | | | |
| WILEYBRAID36 | 36.00 [914.40] | | | | | |
| WILEYBRAID6-516 | 6.00 [152.40] | 0.71 [18.00] | 0.08 [2.03] | 0.32 [8.20] | 6 AWG | M8 or 5/16" No WEEB® washer or mounting hardware included |
| WILEYBRAID9-516 | 9.00 [228.60] | | | | | |
| WILEYBRAID12-516 | 12.00 [304.80] | | | | | |
| WILEYBRAID18-516 | 18.00 [457.20] | | | | | |
| WILEYBRAID24-516 | 24.00 [609.80] | | | | | |
| WILEYBRAID30-516 | 30.00 [762.00] | | | | | |
| WILEYBRAID36-516 | 36.00 [914.40] | | | | | |
| WILEYBRAID6-38 | 6.00 [152.40] | 0.87 [22.00] | 0.14 [3.65] | 0.40 [10.20] | 6 AWG | M10 or 3/8" No WEEB® washer or mounting hardware included |
| WILEYBRAID9-38 | 9.00 [228.60] | | | | | |
| WILEYBRAID12-38 | 12.00 [304.80] | | | | | |
| WILEYBRAID18-38 | 18.00 [457.20] | | | | | |
| WILEYBRAID24-38 | 24.00 [609.80] | | | | | |
| WILEYBRAID30-38 | 30.00 [762.00] | | | | | |
| WILEYBRAID36-38 | 36.00 [914.40] | | | | | |

Bonding Jumpers (Continued)

| Wiley Bonding Jumpers: <i>Perfect for tracker applications, galvanized steel or anywhere a WEEB® washer is not required.</i> | | | | | | |
|---|-------------------|-----------------|----------------|-----------------|-------|--|
| Catalog Number | Length | Width | Height | Hole Size | Gauge | Hardware Size |
| WILEYBRAID6-12 | 6.00 [152.40] | 1.20 [30.48] | 0.12 [3.02] | 0.56 [14.22] | 6 AWG | M12 or 1/2" No WEEB® washer or mounting hardware included |
| WILEYBRAID8-12 | 8.00 [203.20] | | | | | |
| WILEYBRAID10-12 | 10.00 [254.00] | | | | | |
| WILEYBRAID12-12 | 12.00 [304.80] | | | | | |
| WILEYBRAID18-12 | 18.00 [457.20] | | | | | |
| WILEYBRAID24-12 | 24.00 [609.80] | | | | | |
| WILEYBRAID30-12 | 30.00 [762.00] | | | | | |
| WILEYBRAID36-12 | 36.00 [914.40] | | | | | |
| WILEYBRAID6-916 | 6.00 [152.40] | 1.20 [30.48] | 0.12 [3.02] | 0.63 [15.88] | 6 AWG | M14 or 9/16" No WEEB® washer or mounting hardware included |
| WILEYBRAID8-916 | 8.00 [203.20] | | | | | |
| WILEYBRAID10-916 | 10.00 [254.00] | | | | | |
| WILEYBRAID12-916 | 12.00 [304.80] | | | | | |
| WILEYBRAID18-916 | 18.00 [457.20] | | | | | |
| WILEYBRAID24-916 | 24.00 [609.80] | | | | | |
| WILEYBRAID30-916 | 30.00 [762.00] | | | | | |
| WILEYBRAID36-916 | 36.00 [914.40] | | | | | |
| WILEYBRAID6-34 | 6.00 [152.40] | 1.20 [30.48] | 0.12 [3.02] | 0.81 [20.45] | 6 AWG | M20 or 3/4" No WEEB® washer or mounting hardware included |
| WILEYBRAID8-34 | 8.00 [203.20] | | | | | |
| WILEYBRAID10-34 | 10.00 [254.00] | | | | | |
| WILEYBRAID12-34 | 12.00 [304.80] | | | | | |
| WILEYBRAID18-34 | 18.00 [457.20] | | | | | |
| WILEYBRAID24-34 | 24.00 [609.80] | | | | | |
| WILEYBRAID30-34 | 30.00 [762.00] | | | | | |
| WILEYBRAID36-34 | 36.00 [914.40] | | | | | |

Wiley Clamping Solutions

Mid-Clamps

Our universal mid-clamp and adjustable end clamp designs accommodate various module thicknesses. The Wiley Mid-Clamp uses proven WEEB® technology for integrated bonding as well as a quick and easy installation.

Features and Benefits:

- UL 467 Listed
- UL 2703 Recognized
- Low profile design
- Increased inspectability
- Custom designs and finishes available upon request
- Reliability for use throughout the lifetime of the PV system



| Stainless Steel Integrated Bonding Mid-Clamp | | | | | |
|---|------------------------|-----------------------|---------------------|------------------------|-----------------|
| <i>304 Stainless Steel integrated bonding mid-clamp for module-to-module bonding.</i> | | | | | |
| Catalog Number | Length inch [mm] | Width inch [mm] | Height inch [mm] | Hole Size inch [mm] | Module Spacing |
| BMCSS8W17 | 1.91 [48.61] | 1.32 [33.58] | 0.48 [12.30] | 0.33 [8.50] | 0.67 [17.00] |
| BMCSS6W17 | 1.91 [48.61] | 1.32 [33.58] | 0.48 [12.30] | 0.26 [6.60] | 0.67 [17.00] |



ACE Conduit Entry Box

Quick, Simple Transitions to Conduit protected THWN-2 Wire

The ACE Conduit Entry Box makes quick and simple transitions from USE-2 or PV array wire to conduit protected THWN-2 wire.

The box features a compact two-piece, UV resistant, NEMA 3R rated enclosure that allows ample wiring space and is compatible with any conduit type.



Features and Benefits:

- UL 1741 Listed
- Rated for 1000 Volts
- Convenient side and bottom conduit drill-out for easy conduit routing
- Choice of pass-through or combiner box with bracket
- Compatible with any conduit type
- Preassembled for quick and easy installation
- Custom configurations available upon request

| Length inch [mm] | Width inch [mm] | Height inch [mm] | Input Wire Diameter Range inch [mm] | Equipment Ground Conductor Type | Equipment Ground Conductor Diameter Range | Acceptable Conduit Sizes | Drill Out |
|------------------------|-----------------------|------------------------|--|--|---|--------------------------------|-----------------|
| 10.07 [256.68] | 6.83 [173.53] | 3.27 [83.03] | 0.20-0.27 [5.00-6.80] 10-12 AWG USE-2/ PVV | Bare Solid or jacketed only | 0.16-0.27 [4.00-6.80] | .75, 1.00 [19.05, 25.44] | Side, Bottom |

| Catalog Number | ACE Configuration | Terminal Block | Terminal Block Internal Bus | Fuse Holder | Fuse Combiner Bus | Grounding Terminal |
|----------------|---|----------------|-----------------------------|------------------------------------|-------------------|--------------------|
| ACE-PT | Pass-through using Butt Splices/Wire Nuts (no DIN rail) | N/A | N/A | N/A | N/A | N/A |
| ACE-PTD | Pass-through using Butt Splices/Wire Nuts (with DIN rail) | | | | | |
| ACE-1P | 1-String Pass-through | 2 | N/A | N/A | N/A | 1 |
| ACE-2P | 2-String Pass-through | 4 | N/A | N/A | N/A | 1 |
| ACE-3P | 3-String Pass-through | 6 | N/A | N/A | N/A | 2 |
| ACE-4P | 4-String Pass-through | 8 | N/A | N/A | N/A | 2 |
| ACE-2C | 2-String Combiner | 2 | N/A | Not Required for 2-String Combiner | N/A | 1 |
| ACE-3C | 3-String Combiner | 2 | 1X2-Pole | 3 | 1X3-Pole | 2 |
| ACE-4C | 4-String Combiner | 2 | 1X2-Pole | 4 | 1X4-Pole | 2 |
| ACE-3C-1GND | 3 String Combiner with 1 Ground Terminal | 3 | 2X2-Pole | 3 | 1X3-Pole | 1 |
| ACE-3C-DF | 3-String Dual Fuse Combiner | N/A | N/A | 6 | 1X3-Pole | 1 |

