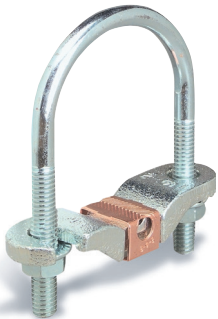


Clamps

Waterpipe Ground Clamps



| Cat. No. | Ground Wire Size | Water Pipe Size |
|----------|------------------|-----------------------------------|
| 2-TB | #6, #4, #2 AWG | 1/2 in., 3/4 in., 1 or rebar 4-10 |
| 3-TB | | 1-1/4 in., 1-1/2 in. or 2 in. |
| 4 | | 2-1/2 in., 3 in. or 3-1/2 in. |
| 5-TB | | 4 in., 4-1/2 in. or 5 in. |
| 6 | | 6 in. |

Malleable iron crossbar, steel U-Bolt c/w copper cable clamp with serrations.



| Cat. No. | Ground Wire Size | Water Pipe Size |
|----------|------------------|---------------------|
| 3902 | #4-4/0 AWG | 1/2 in.-1 |
| 3903 | | 1-1/4 in.-2 in. |
| 3904 | | 2-1/2 in.-3-1/2 in. |
| 3905-TB | | 4 in.-5 in. |
| 3906-TB | | 6 in. |
| 3907 | | 8 in. |
| 3908 | | 10 in. |
| 3909-TB | | 12 in. |

Material: Steel U-bolt and nut c/w bronzed aluminum cap and crossbar cadmium plated plus gold chromate finish.



| Cat. No. | Ground Wire Size | Water Pipe Size |
|----------|------------------|---------------------|
| 3902BU* | #4-4/0 AWG | 1/2 in.-1 |
| 3903BU* | | 1-1/4 in.-2 in. |
| 3904BU* | | 2-1/2 in.-3-1/2 in. |
| 3905BU* | | 4 in.-5 in. |
| 3906BU* | | 6 in. |
| 3907BU* | | 8 in. |
| 3908BU* | | 10 in. |
| 3909BU* | | 12 in. |

Material: Bronze U-bolt and nut c/w bronzed aluminum cap and crossbar with a brite dip finish.

*UL Listed for Direct Burial.

Clamps

Ground Clamps



| Cat. No. | Material | Water Pipe, Copper Tubing Size | Ground Rod Size |
|----------|----------------|--------------------------------|-----------------|
| 3826* | Malleable Iron | 1/2 in., 3/4 in. | 1/2 in.-1 |
| 3846* | Bronze | | |
| 3840-TB• | Malleable Iron | 1/2 in., 3/4 in. or 1 | |

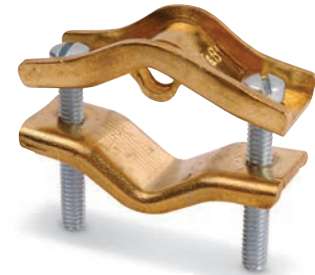
* For unarmored copper wires #6, #4 AWG.
UL approved for direct burial.
• #8 thru #4 AWG. Not CSA Certified.



3825



3840



3844

For armored and unarmored wires.

Ground Clamps for K&L Grade Copper Tubing Only



| Cat. No. | Ground Wire Size | Water Pipe, Copper Tubing Size |
|----------|------------------|--------------------------------|
| 3844* | #8-#4 AWG | 1/2 in.-1 |
| 3888** | | 1/2 in.-1 also rebar 4-10 |

* With Steel Screws.
** UL approved for direct burial. Silicon Bronze Screws.

Ground Clamp Accessories

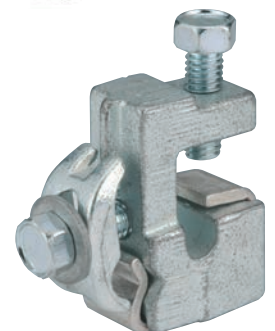


| Cat. No. | Description | For use with |
|----------|---------------------------|-------------------|
| 10102-TB | 1-1/4 to 1-1/2 in. cables | #8-#2 Ground wire |

Material: Malleable iron, zinc plated.



| Cat. No. | For use with |
|----------|---|
| 10105 | Single conductors #4 solid to 2/0 str. |
| 10109 | Single conductors 2/0 solid to 4/0 str. |

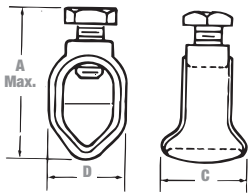




Clamps

Type JAB — Ground Rod Clamps

- Cast of high-strength corrosion resistant copper alloy
- Both hex head and socket set screws available
- Long bearing surface of clamp on ground wire secures ground connection
- Listed for direct burial



| Cat. No. | | Nominal Rod Dia. | | Wire Range | | | | Dimensions (in.) | | | | | | |
|------------------|---------------|------------------|--------------|------------|---------|-------------------------|-------------------------|-----------------------|-------------------|--------------------------|--------|--------|-------|-------|
| Socket Set Screw | Hex Head Bolt | (in.) | (mm) | Max. | Min. | Max. (mm ²) | Min. (mm ²) | A (Max.) Socket Screw | A (Max.) Hex Bolt | Screw Thread Size UNC-2A | B | C | D | |
| JAB12* | JAB12H | 1/2 | 12.7 | 2 str. | 10 sol. | 33.6 | 5.2 | 1-19/32 | 2-3/32 | 7/16-14 | 27/32 | 7/8 | 19/32 | |
| JAB58 | JAB58H | 5/8 | 15.8 | 1/0 str. | 8 sol. | 53.4 | 8.3 | 1-27/32 | 2-13/64 | | 29/32 | 1 | 11/16 | 11/16 |
| JAB34 | JAB34H | 3/4 | 19.0 | | | | | 2 | 2-11/32 | | 11/16 | | 51/64 | |
| — | JAB34C | 3/4 + 5/8 | 15.8 to 19.0 | 3/0 str. | — | 95.0 | — | — | 2-11/32 | | 1-1/8 | 1-1/32 | 13/16 | |
| JAB1 | JAB1H | 1 | 25.0 | | | 107.1 | | 2-1/4 | 3 | 1-11/32 | 1-1/16 | 1 | | |

* CSA not applicable.
Add suffix P to Cat. No. for tin-plated clamp.

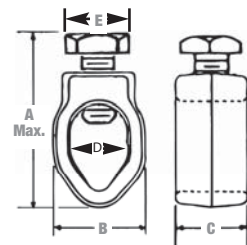
Type G — Budget Line Ground Clamps

- A dependable ground connection offered at a substantial saving
- Cast of high-strength corrosion-resistant copper alloy
- Hex head bolts
- Simplified compact design will make a lasting, trouble-free connection
- Listed for direct burial



| Cat. No. | Nominal Rod Dia. | | Wire Range | | | | Dimensions (in.) | | | | | | | |
|----------|------------------|------|------------|---------|-------------------------|-------------------------|------------------|--------------------------|--------|-------|-------|-------|-------|-----|
| | (in.) | (mm) | Max. | Min. | Max. (mm ²) | Min. (mm ²) | A (Max.) Bolt | Screw Thread Size UNC-2A | B | C | D | E | | |
| G3* | 3/8 | 9.5 | 4 str. | 10 sol. | 21.1 | 5.2 | 1-3/8 | 5/16-18 | 11/16 | 1/2 | 27/64 | 3/8 | | |
| G4 | 1/2 | 12.7 | 2 str. | | | | 33.6 | — | 3/8-16 | 27/32 | 3/8 | 27/32 | 37/64 | 1/2 |
| G5 | 5/8 | 15.8 | | | | | | | | 29/32 | | 43/64 | | |
| G6 | 3/4 | 19.0 | 1-1/16 | | | | 13/16 | | | | | | | |

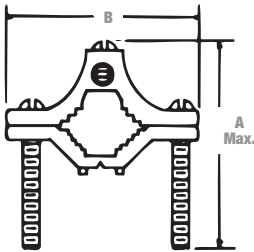
* Not U.L. Listed and CSA not applicable.
Add suffix P to Cat. No. for tin-plated clamp.



Clamps

Budget Price Cast Bronze Clamp

Similar to aluminum water pipe clamp but lighter in construction



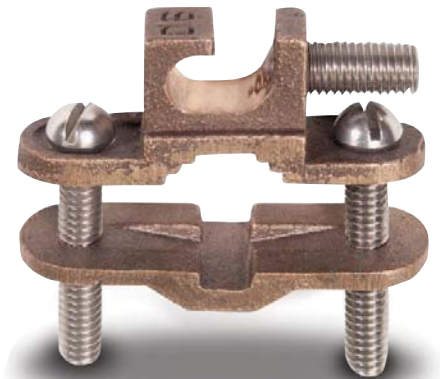
| Cat. No. | Water Pipe Size (in.) | Conductor Range | | Dimensions (in.) | | |
|----------|-----------------------|-----------------|----------|------------------|-------|-----|
| | | Max. | Min. | A | B | C |
| JJR | 1/2 to 1 | #4 str. | #10 sol. | 1-19/32 | 27/32 | 7/8 |

Add suffix C to Cat. No. to specify plating.

Type JDLI — Direct Burial Ground Clamp

Lay-in feature reduces installation time for difficult bends or continuous loops of ground wire

- UL Listed for direct burial in earth/concrete
- UL Listed for connection to ground rod, pipe or rebar up to 1
- Constructed from bronze alloy and high-performance stainless steel bolts
- Designed for easy installation of difficult bends or continuous loops



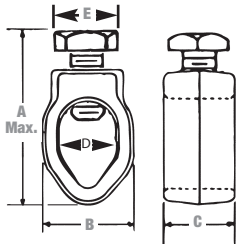
| Cat. No. | Pipe Size | Rebar Size | Ground Rod Size | Conductor Range | Mech. Conn./Splice (UL Listed) |
|----------|-----------|------------|-----------------|------------------|--------------------------------|
| JDLI | 1/2 in.-1 | 3/8 in.-1 | 1/4 in.-1 | #10 sol.-#2 str. | (2) #8 sol. |



Clamps

Type JWR — Wide-Range Ground Rod Clamp

- Listed for direct burial in earth/concrete
- Constructed from bronze alloy and high-performance stainless steel bolt
- Provides wide range of connection sizes
- More than 300 lb. torque capacity

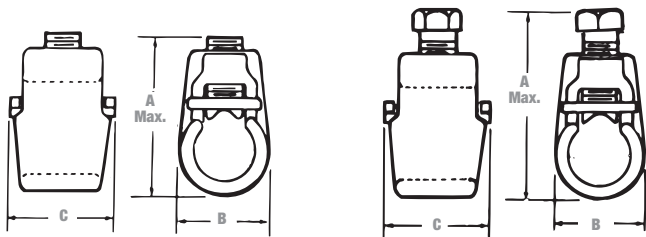


| Cat. No. | Nominal Rod Dia. | | Wire Range | | | | Dimensions (in.) | | | |
|----------|------------------|------|------------|---------|-------------------------|-------------------------|------------------|-------|-------|-------|
| | (in.) | (mm) | Max. | Min. | Max. (mm ²) | Min. (mm ²) | A (Max.) Bolt | B | C | D |
| JWR | 3/8* | 9.5 | 1/0 str. | 10 sol. | 53.4 | 5.2 | 1.535 | 1.050 | 0.812 | 0.652 |
| | 1/2 | 12.7 | | | | | | | | |
| | 5/8 | 15.8 | | | | | | | | |
| | 3/4 | 19.0 | | | | | | | | |

* 3/8 in. rod CSA not applicable/Listed by UL.

Types GG and GGH — Heavy Duty Ground Rod Clamps

- Cast of high-strength corrosion-resistant copper alloy; two types of screws available
- Type GG has a socket set screw
- Type GGH has a hex head bolt
- Floating pressure bar distributes pressure evenly over a large area of the ground wire
- Axial groove keeps wire and rod in perfect alignment



| Cat. No. | Hex Head Bolt | Nominal Rod Dia. | | Wire Range | | | | Dimensions (in.) | | | | |
|----------|---------------|------------------|------|------------|--------|-------------------------|-------------------------|-----------------------|-------------------|--------------------------|-------|-------|
| | | (in.) | (mm) | Max. | Min. | Max. (mm ²) | Min. (mm ²) | A (Max.) Socket Screw | A (Max.) Hex Bolt | Screw Thread Size UNC-2A | B | C |
| GG12 | GG12H | 1/2 | 12.7 | 2 str. | 8 sol. | 33.6 | 8.3 | 1-13/64 | 1-13/16 | 7/16-14 | 27/32 | 15/16 |
| GG58 | GG58H | 5/8 | 15.8 | 2/0 str. | | 53.6 | | 1-51/64 | 2-7/32 | | 61/64 | |
| — | GG34H** | 3/4 | 19.0 | 4/0 str. | | 120.6 | | — | 3 | 1/2-14 | 1-3/8 | |

** CSA not applicable.
GG34H has no pressure bar or axial groove.
Add suffix P to Cat. No. for tin-plated clamp.

Clamps

Budget Price Cast Bronze Clamps

Type swings 360° for ease of alignment

- Pipe clamping portion identical to “JA” clamp
- Pressure-bar type conduit hub adjusts to fit 1/2 in. or 3/4 in. EMT, or 1/2 in. rigid conduit
- Brass washer provides positive contact with grounding conductor
- Furnished with zinc-plated screws



| Cat. No. | Conduit Size | Water Pipe Size | Conductor Range | |
|----------|---|--------------------|-----------------|----------|
| | | | Max. | Min. |
| JPT | 1/2 in. or 3/4 in. EMT 1/2 in. Rigid | 1/2 in. to 1 | #6 Sol. | #10 Sol. |
| JPT2 | | 1-1/4 in. to 2 in. | | |
| JPT4 | | 2-1/2 in. to 4 in. | | |

Cast Bronze Clamps

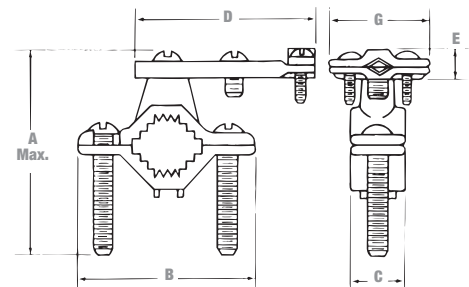
For connecting armored cable to water pipe

- Clamping portion similar to standard “J” clamp
- Special pressure bar grips armor or outer cable insulation to reduce chance of grounding conductor being pulled out
- Furnished with zinc-plated screws



| Cat. No. | Water Pipe Size (in.) | Conductor Range | | Dimensions (in.) | | | | | | |
|----------|-----------------------|-----------------|----------|------------------|---------|-------|--------|-------|-------|--|
| | | Max. | Min. | A | B | C | D | E | G | |
| JA | 1/2 to 1 | | | 2-3/4 | 2-11/32 | 25/32 | | | | |
| JA2 | 1-1/4 to 2 | #6 sol. | #10 sol. | 3-3/4 | 3-1/2 | 13/16 | 2-9/32 | 15/32 | 1-3/8 | |
| JA2124 | 2-1/2 to 4 | | | 6 | 6-5/16 | 1 | | | | |

Add suffix C to Cat. No. to specify plating.



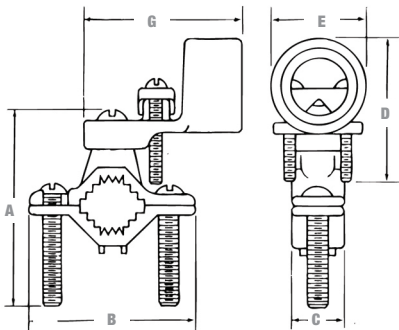


Clamps

Cast Bronze Clamps for Conduit

For grounding rigid conduit systems

- Continuity from rigid conduit system to ground provided by cast bronze threaded conduit hub
- Hub swings 360° for easy alignment
- Heavy brass washer protects clamped grounding conductor
- Furnished with zinc-plated screws
- Cast bronze pipe clamping portion identical to that used in “JA” clamp



| Cat. No. | Conduit Size (in.) | Water Pipe Size (in.) | Conductor Range | | Dimensions (in.) | | | | | |
|----------|--------------------|-----------------------|-----------------|----------|------------------|---------|-------|--------|-------|--------|
| | | | Max. | Min. | A | B | C | D | E | G |
| JP12 | 1/2 | 1/2 to 1 | #6 sol. | #10 sol. | 2-3/4 | 2-11/32 | 23/32 | 1-9/64 | 1 | 2-1/2 |
| JP212 | | 1-1/4 to 2 | | | 3-3/4 | 3-1/2 | 13/16 | | | |
| JP212412 | | 2-1/2 to 4 | | | 6 | 6-5/16 | 1 | | | |
| JP34 | 3/4 | 1/2 to 1 | #2/0 str. | #10 sol. | 2-3/4 | 2-11/32 | 23/32 | 2-5/16 | 1-1/4 | 2-3/16 |
| JP234 | | 1-1/4 to 2 | | | 3-3/4 | 3-1/2 | 13/16 | | | |
| JP1 | 1 | 1/2 to 1 | #3/0 str. | #10 sol. | 2-3/4 | 2-11/32 | 23/32 | 2-5/16 | 1-1/2 | 2-3/8 |
| JP21 | | 1-1/4 to 2 | | | 3-3/4 | 3-1/2 | 13/16 | | | |
| JP21241 | | 2-1/2 to 4 | | | 6 | 6-5/16 | 1 | | | |

Add suffix C to Cat. No. to specify plating.

Cast Bronze Clamps with Copper Strap

Flexible copper strap makes alignment easy

- For grounding rigid conduit systems
- Same features as “JP” clamp plus flexible copper strap
- Strap helps protect conduit system from water system vibrations
- Furnished with zinc-plated screws



| Cat. No. | Conduit Size (in.) | Water Pipe Size (in.) | Conductor Range | |
|----------|--------------------|-----------------------|-----------------|---------|
| | | | Max. | Min. |
| JPS12 | 1/2 | 1/2 to 1 | 6 sol. | 10 sol. |
| JPS34 | 3/4 | | 2/0 str. | |
| JPS1 | 1 | | 3/0 str. | |

Add suffix C to Cat. No. to specify plating.



Clamps

Cast Bronze Ground Clamps

Connect copper ground wire to water pipe, copper tubing or ground rods

- High-strength, high-conductivity copper alloy (over 80% copper)
- UL Approved for direct burial



| Cat. No. | Water Pipe Size (in.) | Conductor Range |
|----------|-----------------------|------------------|
| JD | 1/2 to 1 | #2 str.–#10 str. |
| J2D | 1-1/4 to 2 | |

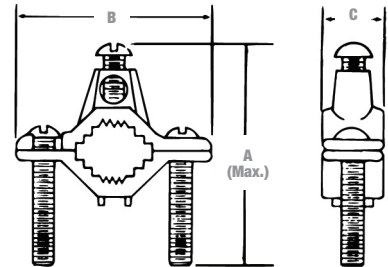


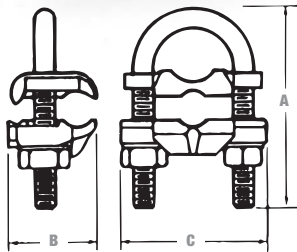
Type J — Cast Bronze Ground Clamps

For connecting grounding conductor to water pipe or copper tube

- Cast of high-strength, highly conductive copper alloy
- Screws plated for corrosion resistance
- UL Listed

| Cat. No. | Water Pipe Size (in.) | Conductor Range | | Dimensions (in.) | | |
|----------|-----------------------|-----------------|---------|------------------|---------|-------|
| | | Max. | Min. | A | B | C |
| J | 1/2 to 1 | 2 str. | 10 sol. | 2-3/4 | 2-11/32 | 23/32 |
| J2BB | 1-1/4 to 2 | | | 3-3/4 | 3-1/2 | 13/16 |
| J2124 | 2-1/2 to 4 | | | 6 | 6-5/16 | 1 |
| J6 | 4-1/4 to 6 | | | 7-1/4 | 8-1/8 | |





Clamps

Type GUV — U-Bolt Clamps

- Listed for direct burial in earth or concrete
- For connecting copper or copper clad steel grounding conductor to ground rod or pipe or rebar
- Excellent for connecting multiple electrodes with a single cable as in substation grounding
- GUV body components are cast or forged from copper alloy and U-Bolts are stainless steel
- Specially designed spacer provides proper alignment between cable and electrode and affords more positive contact area



| Cat. No. | Conductor Range (Cu) | | Nominal Rod Size (in.) | | IPS Pipe Size (in.) | | Dimensions (in.) | | |
|----------|----------------------|------|------------------------|-------|---------------------|------|------------------|--------|---------|
| | Max. | Min. | Max. | Min. | Max. | Min. | A | B | C |
| GUV584 | 4 | 8 | 3/4 | 5/8 | 3/8 | - | 2-13/16 | 1-9/16 | 2-1/4 |
| GUV5821 | 2/0 | 4 | | | | | | | 2-5/8 |
| GUV5825 | 250 | 2/0 | 1 | 7/8 | 3/4 | 1/2 | 2-3/4 | | 2-3/4 |
| GUV784 | 4 | 8 | | | | | | | 2-15/16 |
| GUV7821 | 2/0 | 4 | 1-1/4 | 1-1/8 | 1 | - | 3-5/16 | | 2-3/4 |
| GUV7825 | 250 | 2/0 | | | | | | | 2-15/16 |
| GUV1184 | 4 | 8 | 1-1/2 | 1-3/8 | 1-1/4 | - | 3-7/16 | | 2-15/16 |
| GUV11821 | 2/0 | 4 | | | | | | | 3-3/16 |
| GUV1384 | 4 | 8 | 1-7/8 | 1-5/8 | 1-1/2 | - | 3-15/16 | | 3-3/16 |
| GUV13821 | 2/0 | 4 | | | | | | | 3-11/16 |
| GUV13825 | 250 | 2/0 | 2-3/8 | 2 | 2 | - | 4-7/16 | | 3-11/16 |
| GUV1584 | 4 | 8 | | | | | | | 4-3/16 |
| GUV15821 | 2/0 | 4 | 2-7/8 | 2-1/2 | 2-1/2 | - | 4-15/16 | | 4-3/16 |
| GUV15825 | 250 | 2/0 | | | | | | | 4-13/16 |
| GUV204 | 4 | 8 | 3-1/2 | 3 | 3 | - | 5-9/16 | | 4-13/16 |
| GUV2021 | 2/0 | 4 | | | | | | | 5-1/2 |
| GUV2025 | 250 | 2/0 | 4 | 3-1/2 | 3-1/2 | - | 6-1/16 | | 5-1/2 |
| GUV21221 | 2/0 | 4 | | | | | | | 5-11/16 |
| GUV21225 | 250 | 2/0 | 4-1/2 | 4 | 4 | - | 6-5/16 | | 5-11/16 |
| GUV3021 | 2/0 | 4 | | | | | | | |
| GUV3025 | 250 | 2/0 | | | | | | | |
| GUV31221 | 2/0 | 4 | | | | | | | |
| GUV4021 | 2/0 | 4 | | | | | | | |
| GUV4025 | 250 | 2/0 | | | | | | | |

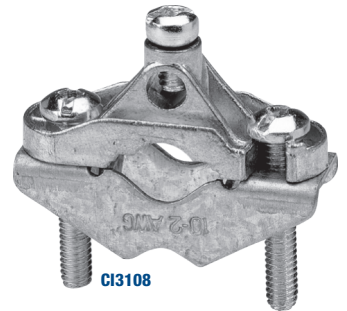
For tin-plated, add suffix TP to Cat. No.

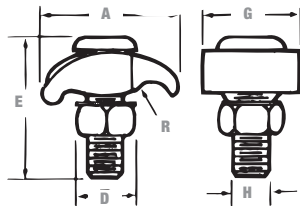
Clamps

Technical Specifications

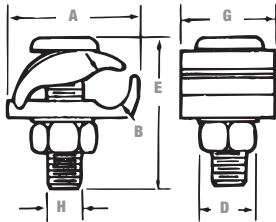


| Cat. No. | Water Pipe Size (in.) | Ground Wire Size (AWG) | | Galv. Steel | Copper Clad |
|--|-----------------------|------------------------|--------------------|-------------|-------------|
| | | Min. | Max. | | |
| Ground Clamps (Zinc alloy body / Steel screws) | | | | | |
| CI3106 | 1/2 to 1 | 10 sol. | 2 str. | 5/8 to 1* | N/A |
| Ground Clamps (Zinc / Steel) | | | | | |
| CI3108 | 1/2 to 1 | 10 sol. | 2 str. | 5/8 to 1* | N/A |
| For connecting grounding conductor to either galvanized steel rod or water pipe. | | | | | |
| Ground Clamps (Brass body / Brass screws) | | | | | |
| CI3110U | 1/2 to 1 | 10 sol. | 2 str. | 5/8 to 1* | 5/8 to 1 |
| For connecting grounding conductor to either galvanized steel rod, copper clad or water pipe. CSA approved for wet locations and for direct burial. | | | | | |
| Ground Clamps (Brass body / Brass screws) | | | | | |
| CI3112U | 1-1/4 to 2 | 10 sol. | 2 str. | – | – |
| For connecting grounding conductor to water pipe. CSA approved for wet locations and for direct burial. | | | | | |
| Ground Rod Clamps (Bronze body / Brass screws) | | | | | |
| CI6RC58 CI6RC34 | N/A | 10 sol. 8 sol. | 2 str. 1/0 str. | 5/8 3/4 | 5/8 3/4 |
| For connecting grounding conductor to either galvanized steel rod or copper clad rod. CSA approved for wet locations and for direct burial. *Reversible. | | | | | |





Type GTC 13 and 14



Type GTC 23 and 24

Clamps

Type GTC — Tower Ground Clamps

- Bolt has square shank to prevent turning and allow clamp to be tightened with one wrench
- GTC 23 and 24 are two-piece clamps for connecting ground lead cable to flat metal surface; ideal for grounding substations on tower footings
- Castings are of high-strength, corrosion resistant copper alloy
- GTC 13 and 14 are economical one-piece clamps which perform the same function as two-piece clamps except the under pad support is omitted and conductor is connected directly to tower
- Add suffix L to Cat. No. for 1/2 in. channel thickness



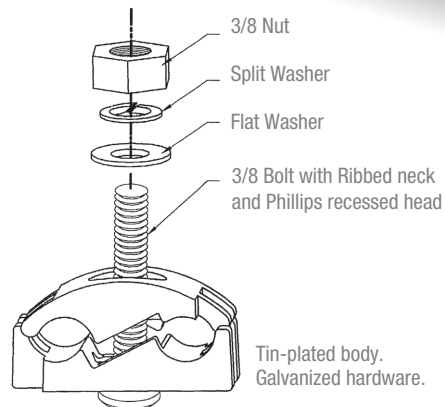
| Cat. No. | Conductor Range | | | | Channel Thickness (in.) | Dimensions (in.) | | | | | | |
|----------|-----------------|----------|-------------------------|-------------------------|-------------------------|------------------|------|------|---------|---------|-----|------|
| | Max. | Min. | Max. (mm ²) | Min. (mm ²) | | A | B | D | E | G | H | R |
| GTC13 | 2/0 str. | 4 sol. | 67.4 | 21.1 | 1/4 | 1-15/32 | — | 9/16 | 1-21/32 | 13/32 | 3/8 | 7/32 |
| GTC14 | 250 kcmil | 2/0 str. | 126.6 | 67.4 | | 1-15/16 | — | 3/4 | 1-15/16 | 1-13/32 | 1/2 | 5/16 |
| GTC23 | 2/0 str. | 4 sol. | 67.4 | 21.1 | | 1-41/64 | 7/16 | 9/16 | 2-21/32 | 1-3/32 | 3/8 | — |
| GTC24 | 250 kcmil | 2/0 str. | 126.6 | | | 1-61/64 | 5/8 | 3/4 | 1-15/16 | 1-3/8 | 1/2 | — |

CTG250 — Wide Range Tower Ground Clamp

- For use with aluminum or copper conductors and in aluminum or galvanized steel cable tray
- Ribbed neck on the bolt prevents rotation during tightening if 0.440 dia. hole is used



| Cat. No. | Wire Range (2 sides) | Height (in.) | Width (in.) | Depth (in.) | Nut (Flats) |
|----------|--|--------------|-------------|-------------|-------------|
| CTG250 | #2 sol. (0.258 Dia.), 250 kcmil (0.575 Dia.) | 1.95 | 2.00 | 1.13 | 0.560 |



Clamps

I-Beam Ground Clamps

Connect ground cable to I-Beam or any 1 in. maximum structural steel member — without welding or drilling

- Breakaway bolt head shears at predetermined torque to ensure tight connection
- Heavy-duty compression lug provides excellent current carrying capabilities
- Surface of steel must be cleaned in accordance with installation instruction sheet provided with product
- Connector made of high-conductivity cast copper bright dip
- Clamp made of drop-forged high-grade steel, zinc-plated



| Cat. No. | Wire Range | TBM15I, TBM15 Installing Tool, Die Code | Die Cat. No. |
|------------|--------------------------|---|--------------|
| IBG2-10 | 2 thru 1/0 AWG | 66H | 15534SS [2] |
| IBG20-40 | 2/0 thru 4/0 AWG | 76 | 15506SS [2] |
| IBG350-500 | 350 kcmil thru 500 kcmil | 115H | 15504SS [2] |

Hydraulic tooling with hex crimp dies.
Use 15500TB adaptor for TBM15-Ton Tool.

* Number of crimps.



Ground Clamps

For permanent, reliable connection

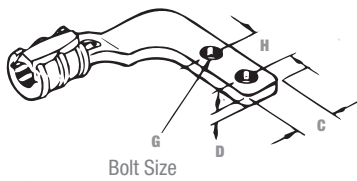
- Crimp to cable
- Clamp to ground rod and rebar
- Use standard Color-Keyed® hand and hydraulic tools
- Colour-coded for easy installation die selection
- Made from high-conductivity wrought copper
- Furnished with stainless steel hardware, 1/4 in. washers, bolts and nuts



| Cat. No. | Wire Size | Ground Rod Diameter (in.) | Rebar (in.) | Bolt Size (in.) | Die Code and Colour |
|-----------|-----------|---------------------------|-------------|-----------------|---------------------|
| CC2C-45R | #2-#3 AWG | 1/2 or 5/8 | 0.80 | 0.25 | 33 Brown |
| CC1C-45R | #1 AWG | | | | 37 Green |
| CC10C-56R | 1/0 AWG | 5/8 or 3/4 | 0.83 | 0.38 | 42 Pink |
| CC20C-56R | 2/0 AWG | | | | 45 Black |
| CC40C-56R | 4/0 AWG | | | | 54 Purple |

UL Approved for direct burial.

Clamps



Flat-Surface Ground Clamps

Terminate or connect continuous runs of copper cable to flat surfaces

- Captive “Keeper bar” design extends cable range and helps hold cable prior to crimping, facilitating installation
- Saddles marked with conductor size and die code
- Conductor can be assembled to saddle with standard dies and hydraulic tools
- Made from high-conductivity cast copper



| Cat. No. | Wire Range | Bolt Hole (in.) | Die Code No. | Qty. | Std. Pkg. | Wt. Per 100 | Hex Die | | Dimensions in. (mm) | | | | |
|----------|---------------|-----------------|--------------|------|-----------|-------------|----------|--------------|---------------------|--------------|------------|-------------|-------------|
| | | | | | | | Cat. No. | Die Code No. | L1 | L2 | D | C | H |
| 53055FL | 1/0–2/0 AWG | 3/8 | 66 | 2 | 10 | 75 | 15534* | 66 | 4.09 (103.9) | 3.66 (93.0) | 0.28 (7.1) | 1.38 (35.1) | 1.00 (25.4) |
| 53065FL | 4/0–250 kcmil | | 87H | | | 112 | 15506** | 87H | 4.50 (114.3) | 4.09 (103.9) | 0.31 (7.9) | | |

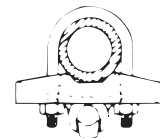
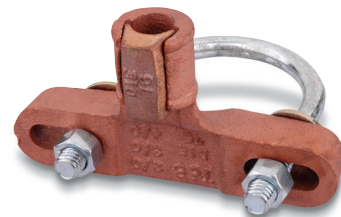
* TBM14M, 13100A, TBM15I with hex crimp dies.

** TBM15I with hex crimp dies only.

Grid-to-Fence Ground Clamps

Bond copper conductors to steel or aluminum fence post or top rail of round fence posts

- Provide quick, dependable installation at low installed cost
- Use no incendiary materials
- Body made from cast copper alloy with steel U-bolt



| Cat. No. | Ground Cable Range | Die Code | Steel and Aluminum Line Post Range (in) |
|-----------|--------------------|----------|---|
| FG2040R2 | 2/0–3/0–4/0 | 76 | 2.00 |
| FG2040R25 | | | 2.50 |
| FG2040R3 | | | 3.00 |
| FG210R2 | 2–1–1/0 | 66 | 2.00 |
| FG210R25 | | | 2.50 |
| FG210F3 | | | 3.00 |

Install with hydraulic tooling with hex crimp dies.