

## Table of Contents

The HYGROUND® Irreversible Compression System Introduction & Legend .....	E-2
Compression Connector Grid Example.....	E-3
Ground Rod/Rebar Diameter Chart.....	E-3
Wireless Communications Ground Ring Example.....	E-4
Features & Benefits .....	E-5
Product Offering Table by Application .....	E-5
 HYGRID™ Type YGL-C Ground Grid Cross Connector .....	E-6
GRIDLOK™ Type YGLR-C Ground Rod to Grid.....	E-7
HYTAP™ Type YGHP-C Figure 6 .....	E-8
HYTAP™ Type YGHP-C Ground Rod Tap.....	E-9
HYTAP™ Type YGHC-C Figure C.....	E-10
Type YGHC-CN Concentric Neutral Grounding Connector .....	E-11
HYTAP™ Type YGHC-C Double Figure C.....	E-12
COPPER CRIMPIT™ Type YGC .....	E-13
HYTAP™ Type YSHG Double Figure H.....	E-14
HYTAIL™ Type YGHR-C Figure 8 Ground Rod Tap.....	E-15
HYTAIL™ Type YGHR-C Figure 8 Multitap Ground Rod Tap .....	E-16
HYLUG™ Type YGHA Heavy Duty Terminal .....	E-17
HYLUG™ Type YGA Terminal.....	E-18
GROUNDTAB for Metal Structure Grounding (requires welding) .....	E-19
HYLINK™ Type YGHS Heavy Duty Splice.....	E-20
HYLINK™ Type YGS Splice .....	E-21
Type YGF Grounding Plate.....	E-22
GROUNDLINK™ Type YGIB for Structural Steel (angled or parallel beam) .....	E-23
VERSITAIL™ Type GSTUD-HY Structural Steel Grounding Connector.....	E-25
Types YGT, YTTAG Static Grounding Receptacles .....	E-26
Type YG-B Connectors for Structural Steel or Bus Bar.....	E-27
Type BFB Terminal Lugs Compression Solution for Flexible Bus Bar.....	E-28

### 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.<sup>2</sup> 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.

Most frequently ordered catalog numbers are highlighted in BLUE
















## 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 )

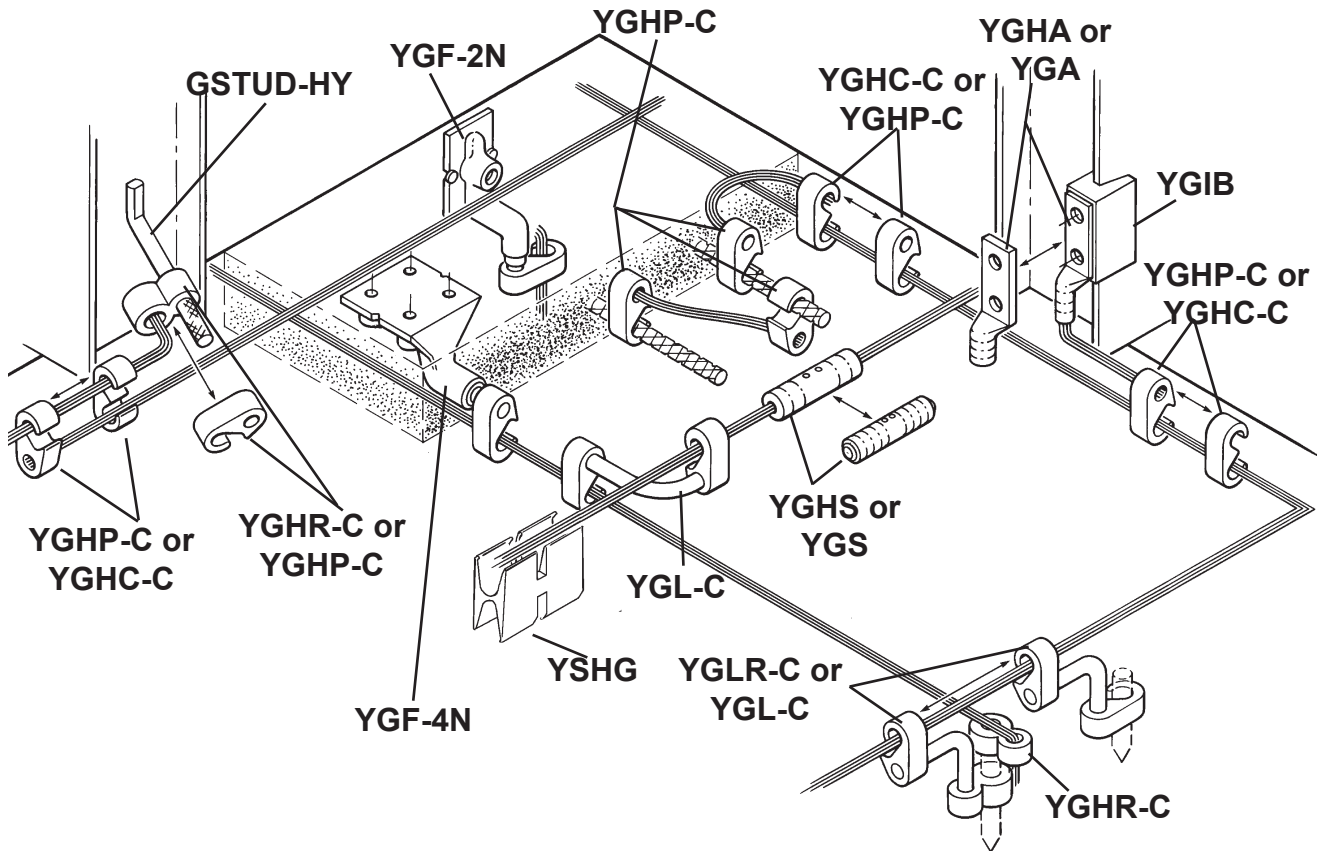
 YGHA	 YGA	 YGHS	 YGS	 YG-B
 YGHP-C	 YGHC-C	 YGIB	 YGL-C	 YGLR-C
 YGF-4N	 YGF-2N	 YSHG	 YGHR-C	 GSTUD-HY



## 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	—	—

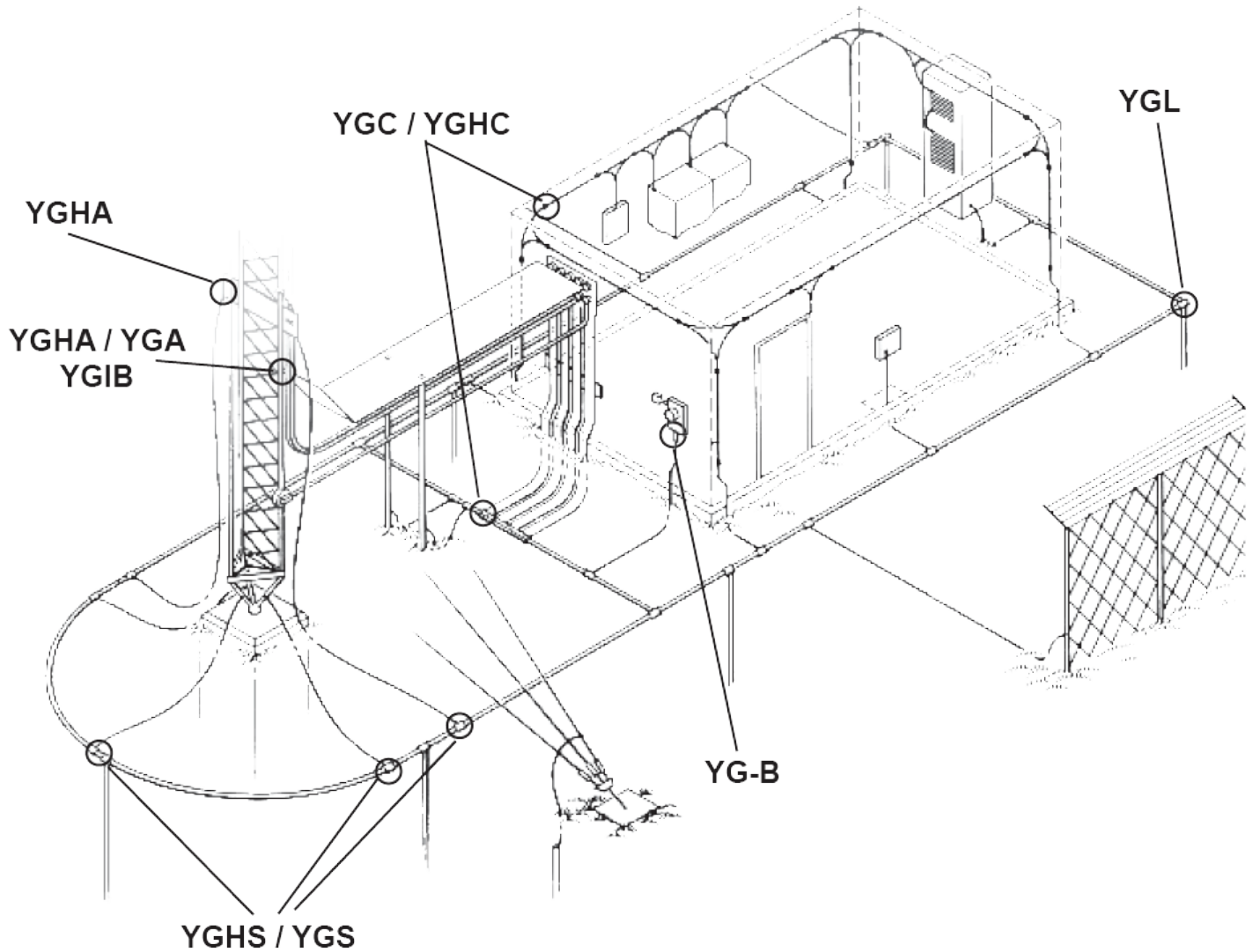
# Compression Grounding

HYGROUND® Compression System  
Wireless Communications Compression Grid Example

## 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.



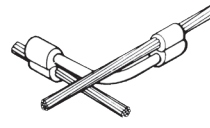
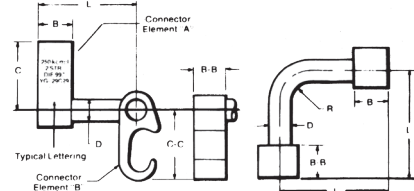
467 96



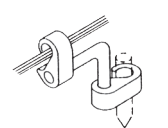
IEEE-837\*



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	0.75		0.75



Ground Grid Cross Connection



Cable to Ground Rod

✓ UL96 Listed for Lightning Protection.

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:

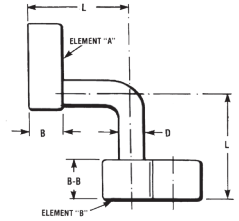
- Before crimping, both connector elements can be turned on rod diameter "D" to any desired position.
- Clean rust and/or protective coatings from rebar prior to installation.

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" ③
YGLR29C12	0.75	0.88 [22.4]	0.31	2.53	#2 Str. (0.292 Dia.) - 250 kcmil (0.575 Dia.)	35mm <sup>2</sup> (7.62mm Dia.) - 120 mm <sup>2</sup> (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 <sup>2</sup> (14.40mm Dia.) - 240 mm <sup>2</sup> (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 <sup>2</sup> (7.62mm Dia.) - 120 mm <sup>2</sup> (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 <sup>2</sup> (14.40mm Dia.) - 240 mm <sup>2</sup> (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 <sup>2</sup> (7.62mm Dia.) - 120 mm <sup>2</sup> (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 <sup>2</sup> (14.40mm Dia.) - 240 mm <sup>2</sup> (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 <sup>2</sup> (7.62mm Dia.) - 120 mm <sup>2</sup> (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 <sup>2</sup> (14.40mm Dia.) - 240 mm <sup>2</sup> (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.

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

- 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.

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

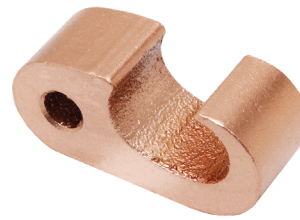


# Compression Grounding

HYGROUND® Compression System  
HYTAP™ Type YGHP-C Figure 6 Connector

## 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\*



✓ UL96 Listed for Lightning Protection.

Dimensions in brackets { } represent lightning protection conductors.

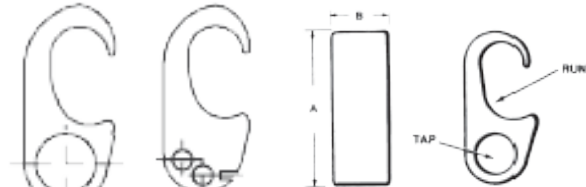


Fig. 1

Fig. 2

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	#4 Sol. - 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}	#4 Sol. (0.204) - #2 Str. (0.292)	#5 Rebar 5/8 - 3/4 #6 Rebar	—	2.75	998	PU998	PU998 or S998	PU998 or P998	1
YGHP34C26 ③	1	5/8" - 3/4" Rod	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	

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.



## HYTAP™ Type YGHP-C Ground Rod Tap Connector

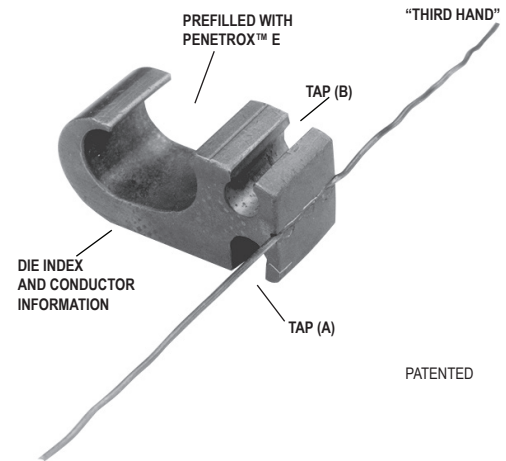
Type YGHP-C irreversible compression ground tap figure 6 can be used as a ground rod tap connector for both continuous run and tapping applications. An open groove allows ground rod to be connected to a continuous run or tap. The second groove is for a tap only. Prefilled with PENETROX™ E and strip sealed.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

**IEEE-837\***

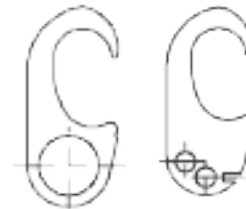
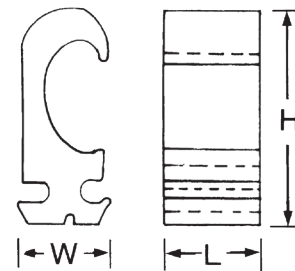


### Features & Benefits

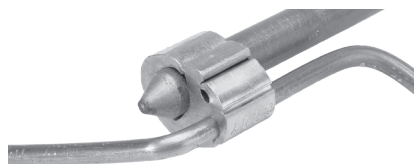
- Tap A accepts a continuous run or tap conductor; Tap B accepts a tap conductor only; one connector style can be used for many applications reducing the number of connectors required in inventory
- Material is high conductivity wrought copper extrusion, identical material to the conductor, minimizing 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



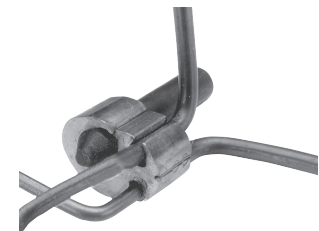
PATENTED



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

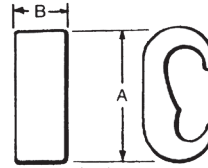
# Compression Grounding

HYGROUND® Compression System  
HYTAP™ Type YGHC-C Figure C Connector

## 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 ⑤ Series	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 <sup>2</sup> (4.12 mm) 35 mm <sup>2</sup> (7.62 mm)	10 mm <sup>2</sup> (4.12 mm) 35 mm <sup>2</sup> (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 <sup>2</sup> (7.62 mm) 70 mm <sup>2</sup> (10.9 mm)	10 mm <sup>2</sup> (4.12 mm) 35 mm <sup>2</sup> (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 <sup>2</sup> (7.62 mm) 70 mm <sup>2</sup> (10.9 mm)	35 mm <sup>2</sup> (7.62 mm) 70 mm <sup>2</sup> (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 <sup>2</sup> (12.5 mm) 120 mm <sup>2</sup> (14.4 mm)	10 mm <sup>2</sup> (4.10 mm) 70 mm <sup>2</sup> (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 <sup>2</sup> (12.5 mm) 120 mm <sup>2</sup> (14.4 mm)	95 mm <sup>2</sup> (12.5 mm) 120 mm <sup>2</sup> (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 <sup>2</sup> (16 mm) 240 mm <sup>2</sup> (20.35 mm)	10 mm <sup>2</sup> (4.10 mm) 70 mm <sup>2</sup> (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 <sup>2</sup> (16 mm) 240 mm <sup>2</sup> (20.35 mm)	95 mm <sup>2</sup> (12.5 mm) 120 mm <sup>2</sup> (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 <sup>2</sup> (16 mm) 240 mm <sup>2</sup> (20.35 mm)	150 mm <sup>2</sup> (16 mm) 240 mm <sup>2</sup> (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:

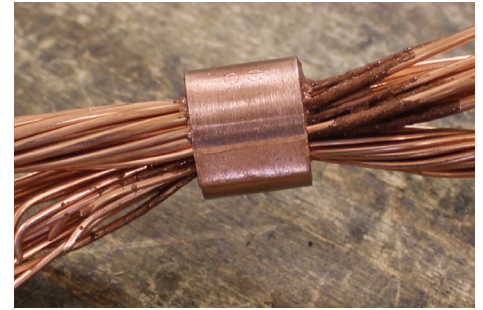
Listed under UL486A for copper wire connectors  
For connectors without PENETROX™ oxide inhibitor, add suffix "NP" to the end of the catalog number (example: YGHC2C2-NP)

\*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	

## Type YGHC-CN Concentric Neutral Grounding Connector

Type YGHC-CN irreversible compression grounding figure "C" connectors are used to ground concentric neutral used in medium voltage cable. Primarily used in wind and solar farm applications, the YGHC-CN connectors accommodate common sizes of flat strap and round concentric neutral strands. For inspection purposes, these connectors are clearly marked with the wire range, catalog number, and die set necessary for proper installation.



### Features & Benefits

- Type YGHC-CN connectors provide a grounding solution for medium voltage concentric neutral commonly used at wind and solar farms
- Irreversible and maintenance free connection
- Connectors are clearly marked with wire size range, catalog number and necessary die set for proper installation
- Die embossment will appear on connector after proper installation for inspection purposes
- Accommodates both flat and round concentric neutral strands
- Type YGHC-CN connectors can be installed using the standard tools and dies similar to the traditional YGHC type connectors
- Add suffix -NP for connector without PENETROX™ oxide inhibitor

### For Round Concentric Neutral

Catalog Number	Conductor		Installation Data		
	Cable #1	Cable #2	750 Series	46 Series ①	No. of Crimps
YGHC2C2CN	#6 - #2 AWG Str	9X-25x 16AWG Sol	UC	UC	1
	#6 - #2 AWG Str	6X-16x 14AWG Sol			
	#6 - #2 AWG Str	6X-10x 12AWG Sol			
YGHC26C26CN	#1 - 2/0 AWG Str	26X-32x 16AWG Sol	UO	UO	1
	#1 - 2/0 AWG Str	17X-32x 14 AWG Sol			
	#1 - 2/0 AWG Str	11X-20x 12 AWG Sol			
YGHC29C29CN	3/0 AWG - 250 kcmil Str	21X-32x 12AWG Sol	U997	U997	1

### For Flat Strap Concentric Neutral

Catalog Number	Conductor			Installation Data		
	Cable #1	Cable #2		750 Series	46 Series ①	No. of Crimps
		Quantity	Size (in)			
YGHC2C2CN	#6 - #2 AWG Str	4	0.162x0.025	UC	UC	1
	#2 AWG Str	12	0.162x0.025			
	#6 - #2 AWG Str	4	0.193x0.025			
YGHC26C26CN	#1 - 2/0 AWG Str	13	0.162x0.025	UO	UO	1
	2/0 AWG Str	25	0.162x0.025			
	#1 - 2/0 AWG Str	11	0.193x0.025			
	2/0 AWG Str	21	0.193x0.025			
YGHC29C29CN	3/0 AWG - 250 kcmil Str	22	0.193x0.025	U997	U997	1
	250 kcmil Str	25	0.193x0.025			

① 46 Series tools require PUADP1 adapter to use "U" or "PU" die  
Add suffix -NP (example: YGHC26C26CNNP) for connector without PENETROX™ oxide inhibitor

# Compression Grounding

HYGROUND® Compression System  
HYTAP™ Type YGHC-C Double Figure C Connector

## HYTAP™ Type YGHC-C Double Figure C Connector

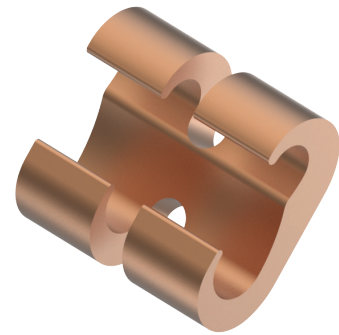
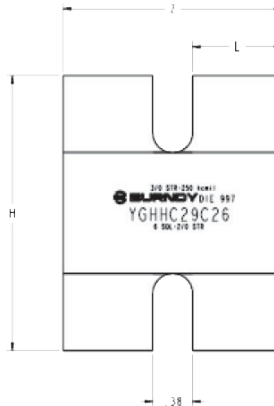
Irreversible compression ground tap figure "C" connectors. Accommodates all cable combinations from #6 solid through 500 kcmil. "C"-shaped opening permits placing two continuous parallel cables into conductor groove. The YGHC-C series is qualified to IEEE-837 2014. Prefilled with PENETROX™ compound and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



IEEE-837\*



IEEE-837  
2014  
Qualified!



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	
YGHC26C26	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
YGHC29C26	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
YGHC29C29	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
YGHC34C26 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
YGHC34C29 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
YGHC34C34 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	

## 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

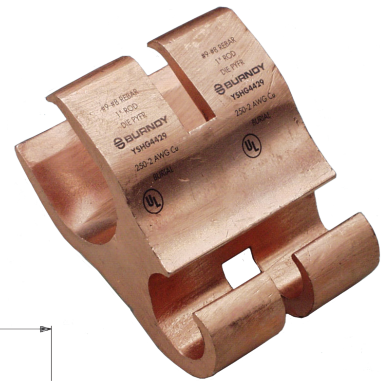


# Compression Grounding

HYGROUND® Compression System  
HYTAP™ Type YSHG Double H-Tap Connector

## 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

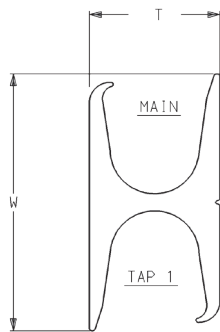
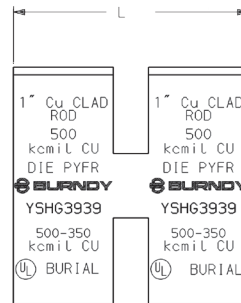


Fig. 1

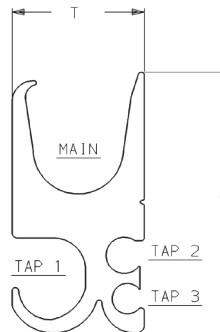


Fig. 2

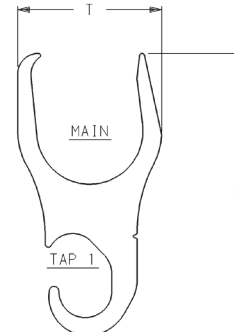


Fig. 3

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

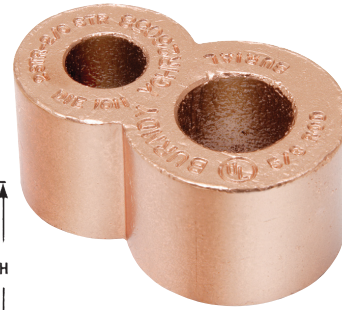
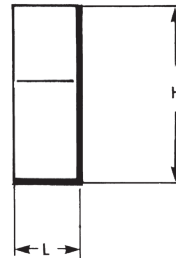


## HYTAIL™ Type YGHR-C Ground Rod Tap Connector

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]	—	S1012 (2) PU998 (1)	P1011 (2) PU998 (1)
YGHR26C58	1.97			5/8" [15.90]	U1011 (2) PU998 (1)		
YGHR26C34	2.19			3/4" [19.00]			
YGHR26C100 ⑤	2.55			1" [25.40]		S1011 (2) S1012 (2) PU998 (1)	
YGHR29C12	1.94		#4/0 Str. (0.53 Dia.) - 250 kcmil (0.58 Dia.)	1/2" [12.70]		S1012 (2) PU998 (1)	
YGHR29C58	2.14			5/8" [15.90]			
YGHR29C34	2.19			3/4" [19.00]		S1011 (2) S1012 (2) PU998 (1)	
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)	
YGHR34C34 ⑤	2.44			3/4" [19.00]			
YGHR34C100 ⑤	2.45			1" [25.40]		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 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

### 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	

# Compression Grounding

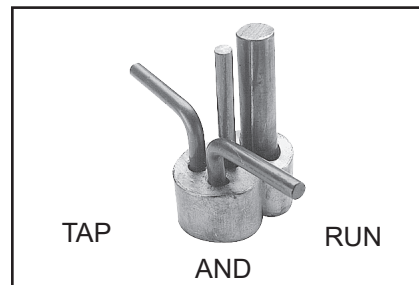
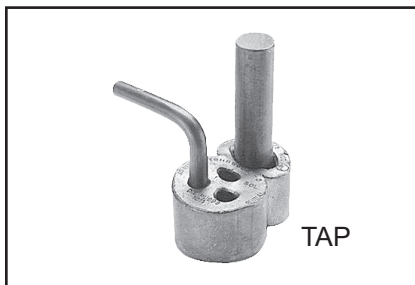
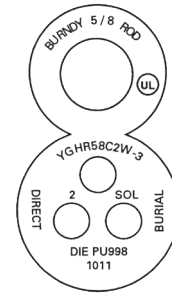
**HYGROUND® Compression System**  
**HYTAIL™ Type YGHR-C Ground Rod Tap Connector**

## 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 UPRECIMP58 or U2CABT Precrimp dies for maximum clamping retention. No precrimp needed if using P1011 or U1011 die sets.

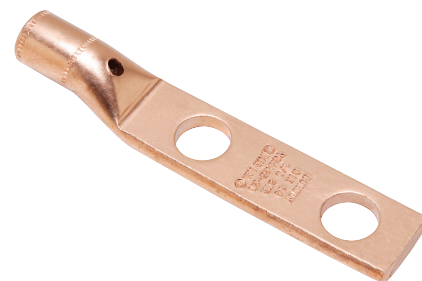
⑤ The 35 Series can only use the PU998 die

⑦ Tap positions may be left void when fewer than (3) conductors are used

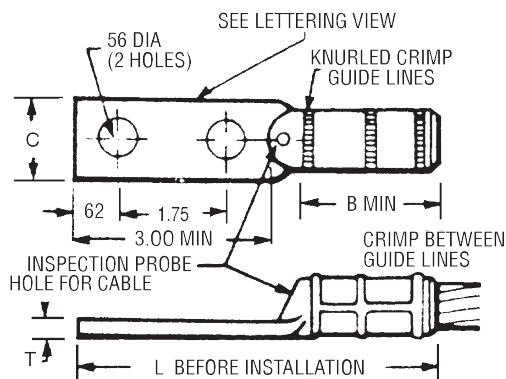
Ground Rod ③ Dia.	PRECIMP Dies	
5/8"	UPRECIMP58	U2CABT

## 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.



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	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

# Compression Grounding

HYGROUND® Compression System  
HYLUG™ Type YGA Terminal

## 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.

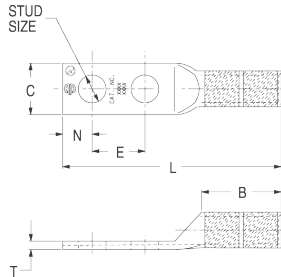


Fig.1

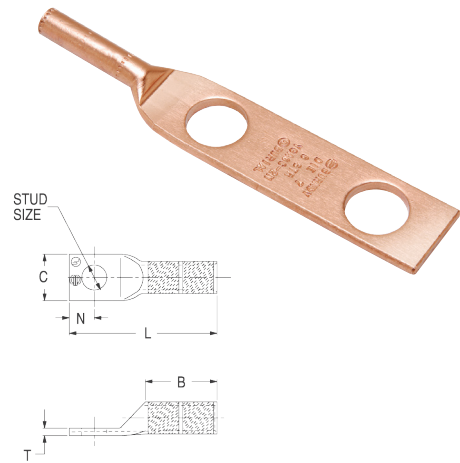


Fig.2

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

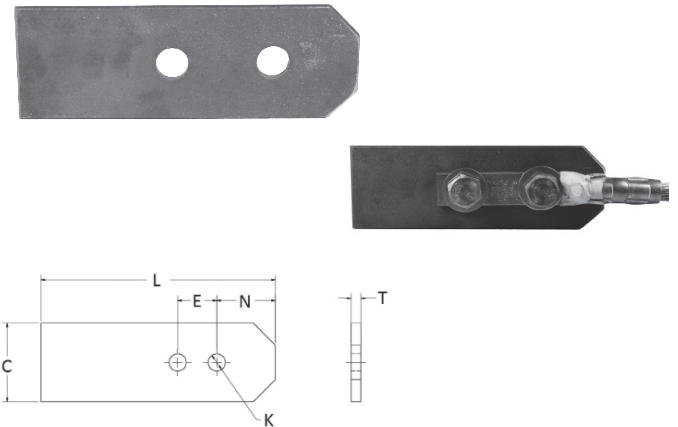
① 45 Series tools require PT6515 adapter to use "U" or "PU" die  
② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

## 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

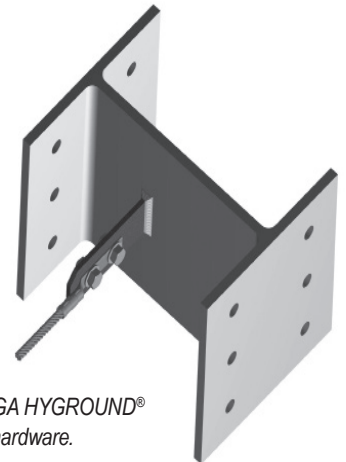
- Convenient
- Can be used to attach 1-hole or 2-hole terminals
- 1/4" thick steel
- Easily welds to steel
- Offers many connection options
- Used when traditional options are not practical



*Right: Application image of GROUNDTAB used with terminals*



*GROUNDTAB with Type YGA HYGROUND® compression terminal and hardware.*



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

# Compression Grounding

HYGROUND® Compression System  
HYLINK™ Type YGHS Heavy Duty Splice

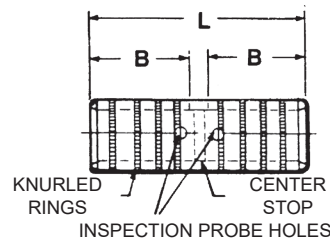
## HYLINK™ Type YGHS Heavy Duty Splice

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\*



IEEE-837  
2014  
Qualified!



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

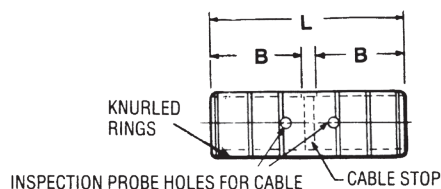
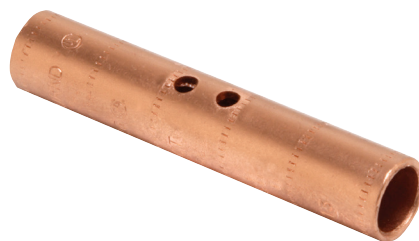
① 45 Series tools require PT6515 adapter to use "U" or "PU" die  
② 46 Series tools require PUADP1 adapter to use "U" or "PU" die

\* 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

# Compression Grounding

**HYGROUND® Compression System**  
**Type YGF Grounding Plate**

## 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.

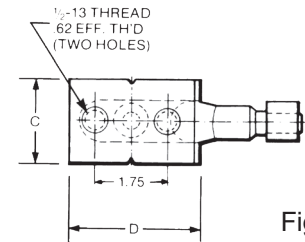
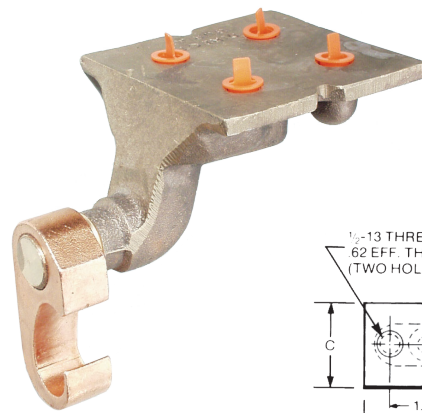
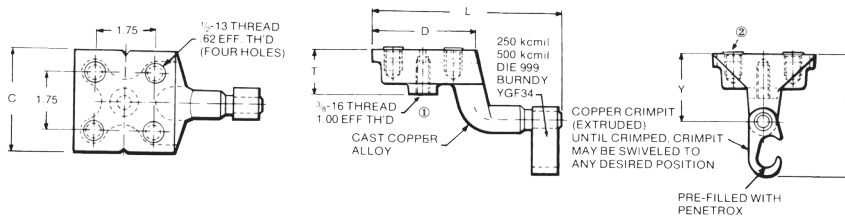


Fig. 1



### 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

Fig. 2

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.

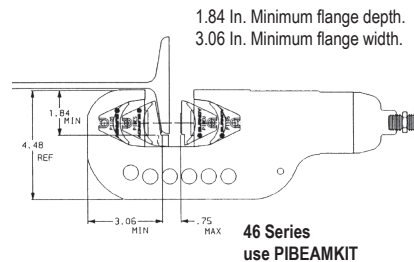


Fig. 1

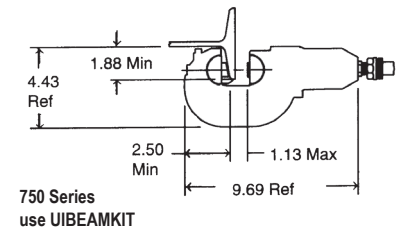
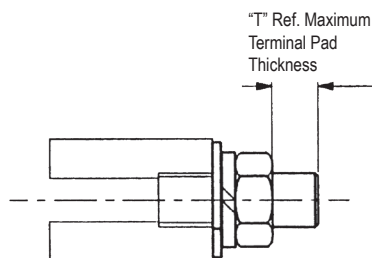
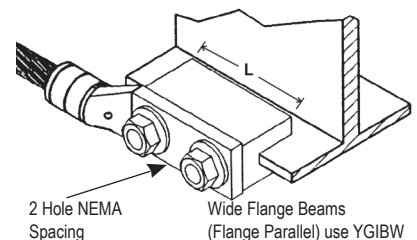
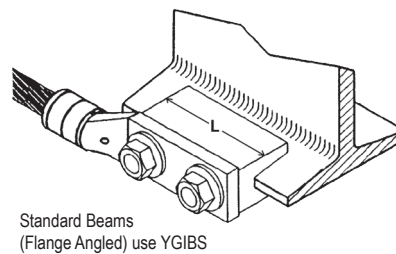


Fig. 2



### 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

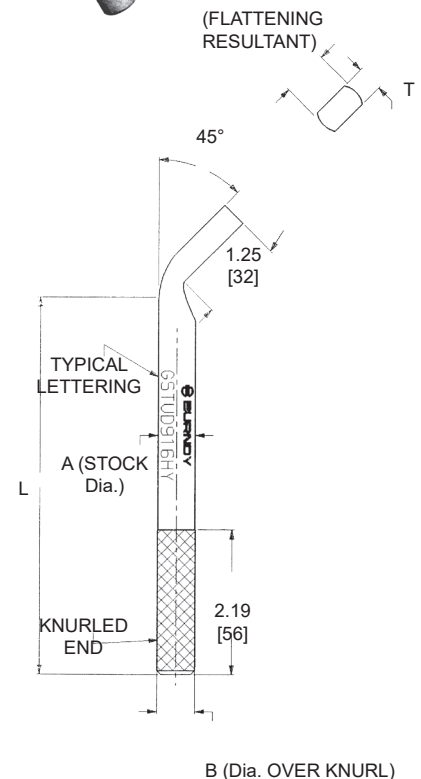
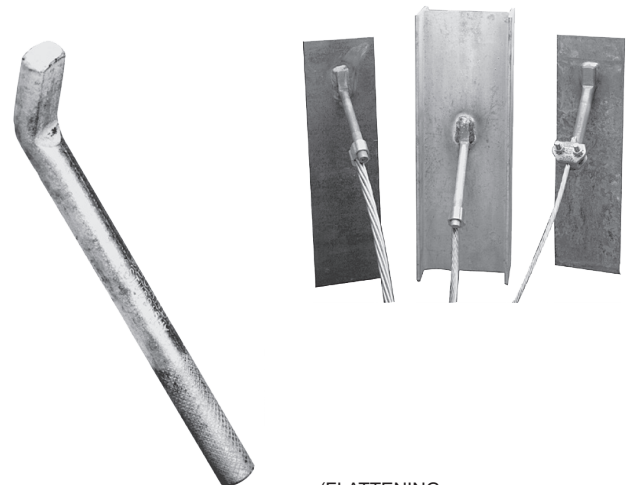
Select the proper HYGROUND® Type YGHP connector. Clean the conductor, join the VERSITAIL™ and the grounding conductor together with the recommended tool and die set, then crimp the connector over the knurled area of the VERSITAIL™ connector.

### 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

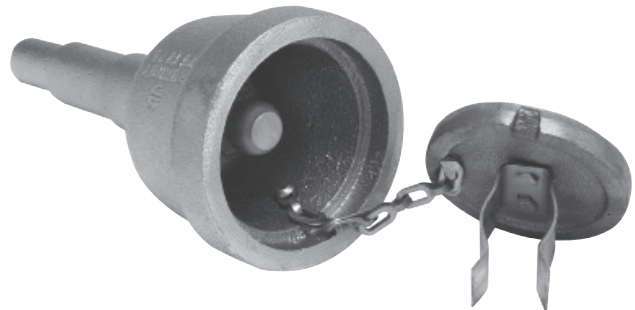
\* This is the equivalent rating for continuous service.  
Large conductors may be connected using both compression and bolted connectors in potential ground fault applications.

# Compression Grounding

HYGROUND® Compression System  
Types YGT, YTTAG, Static Grounding Receptacles

## 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

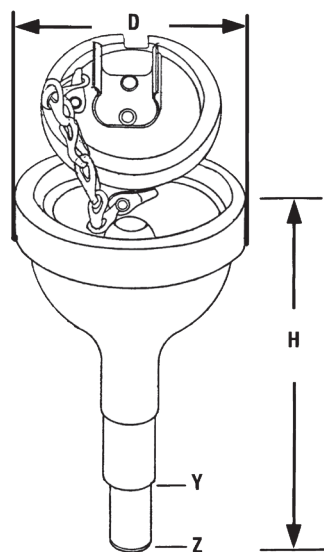


Fig. 1

**Type YTTAG Combination**  
Static Grounding Receptacle  
and Aircraft Tie Down Bar

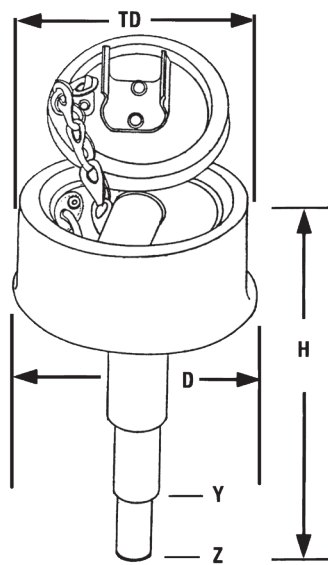
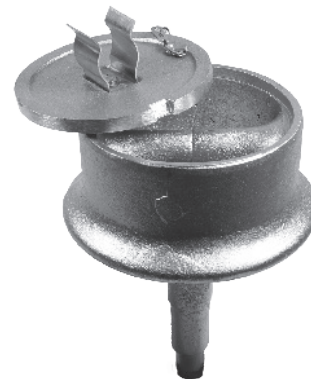


Fig. 2



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.

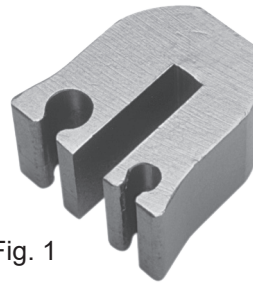


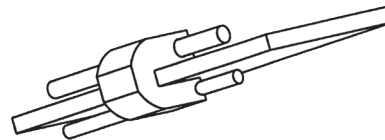
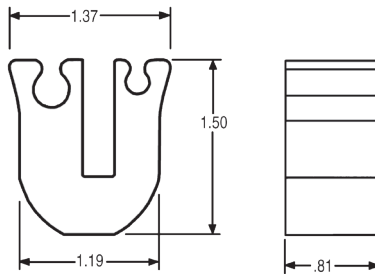
Fig. 1



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

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

# Compression Grounding

## Compression Solution for Flexible Bus Bar Applications Type BFB Terminal Lugs

### 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

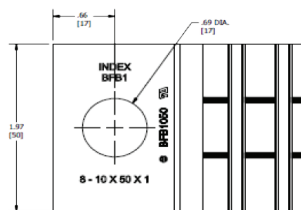
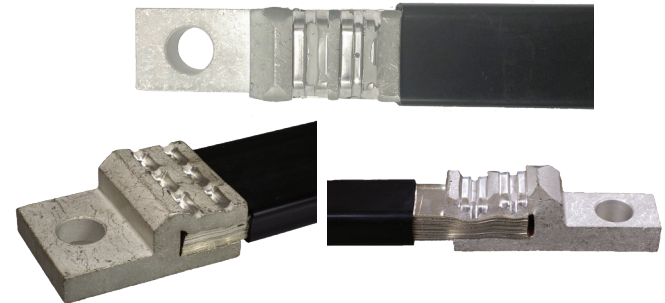


Figure 1

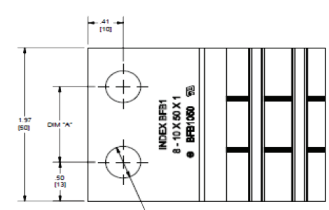
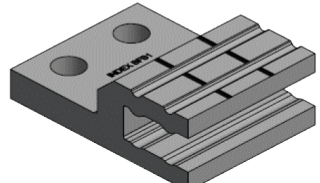
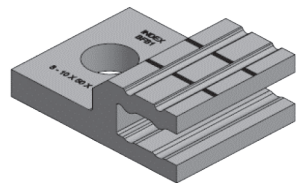


Figure 2



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)

## Table of Contents

<b>Mechanical Grounding Connectors Overview</b> .....	E-30	<b>Flexible Copper Braid Jumper</b> .....	
Types KC, K2C SERVIT POST™ Connectors (cable to flat) .....	E-30	General Information .....	E-80
Type KCKF Bulkhead Ground Connector .....	E-31	Current Carrying Capacity .....	E-80
Types KC-J12, EQC632C1 Transformer Ground Connectors .....	E-32	Bulk Braid .....	E-80
SERVIT® Type KS Split Bolt Connectors .....	E-32	Custom Designs and Custom Variations .....	E-81
Type GRC High Strength Ground Rod Clamp for Copper Cable to Rod .....	E-33	Type B 1-Hole Ferrule End .....	E-82
Type GCRT1/0 Ground Clamp Range Taking up to 1/0 .....	E-33	Type B 2-Hole Ferrule End .....	E-83
Type GRL Light Duty Economical Ground Rod Clamp .....	E-33	Type BB-ML-TN 1-Hole Ferrule End .....	E-85
Type GKA Connector for Copper .....	E-34	Type BB-LT 1-Hole Connector End .....	E-87
Type KPB Connector for Copper .....	E-34	Types CCY, B-B Covered Jumpers .....	E-88
QIKLUG™ Types CL50-1, CL50-1TN Copper Lay-in Connectors .....	E-35	Type BB-SS Stainless Steel Braid .....	E-89
QIKLUG™ Type CL Copper Lay-in Connectors .....	E-35	Type B Undrilled Ferrules .....	E-90
The CONSTRICTOR® Type GCS-HEX Ground Connector to Steel .....	E-36	Type B-4N 4-Hole NEMA .....	E-91
Types GCSYA-WEEB, GCS2YA Tower Ground Clamps .....	E-37	Cable Tray Bonding Straps .....	E-93
Type GAR for Parallel or 90° Copper Cable Connection to Rod or Pipe .....	E-38	Type BGRK Grounding Kits .....	E-94
Types GAR-BU, GAR3902 Ground Connectors .....	E-41	Type BBB Copper Bus Bar .....	E-98
Type GAR-TC Water Pipe Ground Connector .....	E-42	Bus or Ground Bars .....	
Type GD Two Copper Cables to Rod or Tube .....	E-43	Copper, Tinned Copper, and Stainless Steel .....	E-100
Type GP Two Copper Cables to Rod, Pipe, or Column .....	E-44	Types CB, TCB, SSB .....	E-101
Type GK Three Copper Cables to Rod or Pipe .....	E-45	Type CB (Pattern S) 2" Telecom Bus or Ground Bar .....	E-104
Type GG Ground Connector for Copper Bar, Strap, Braid, Cable to Rod or Tube .....	E-46	Type CB (Pattern S) 4" Telecom Bus or Ground Bar .....	E-105
Type FFG Fence Fabric Ground Clamps .....	E-47	Type CB (Pattern Y) NEMA Hole Pattern Bus or Ground Bar .....	E-106
Type GA-H Copper Cable to "H" Beam or Square Fence Post .....	E-48	Type CB (FAA-Suffix) FAA Ground Plate Options .....	E-107
Type GA-H30SS Copper Cable to Square Fence Post .....	E-48	Type CB (Patterns J and M) Ground Bar .....	E-108
Festoon Grounding System Kits .....	E-49	Type CB (Pattern P) Ground Bar .....	E-109
Type GQ Ground Connector for Copper Cable to Tube .....	E-51	Standoff Insulators (Red) .....	E-109
Type GX Ground Connector for Copper Cables .....	E-51	Mounting Brackets .....	E-109
CPI Ground Grid Connectors .....	E-52	Perimeter Bar .....	E-110
Water Pipe Grounding; Miscellaneous Cast Bronze Clamps .....	E-54	Perimeter Bus Bars, NN and NH Patterns .....	E-111
Type GC-A Dual Rated Ground Clamp for Copper and Aluminum .....	E-59	GRIDMAX® Grounding Personnel Safety Mats .....	E-112
BONDIT® Intersystem Bonding Connector Type BDT (House or Meter Socket Mounted) .....	E-60		
BONDIT® Intersystem Bonding Connector Type BDTIBB (Wall Mount) .....	E-61		
HandyBug™ Type SB Connectors (tap, splice or terminate) .....	E-62		
Type BWB680 Series Pool Water Bonding Kits .....	E-63		
BARTAP™ Type QGFL Copper Cable to Flat Bar or Pad .....	E-64		
Type GNAH Grounding Terminal .....	E-64		
Types J, RGC Mechanical Rail Connectors .....	E-65		
CPI Running Rail Connectors .....	E-66		
CPI Contact Rail Connectors .....	E-67		
CPI 2000 kcmil Cathode Connector .....	E-68		
CPI Single Cable Support Spring Rail Clips .....	E-69		
Types GB, GBM Ground Connector Copper Cable to Bar .....	E-70		
Types GC, GCM Ground Connector Two Copper Cables to Bar .....	E-70		
Type GL Ground Connector Two Copper Cables to Bar .....	E-71		
Type GZ Ground Connector Copper Cable to Bar .....	E-71		
Type GIE-G Heavy Duty Construction Ground Connector for Vehicle Grounding .....	E-72		
Type BSD Static Discharge Reels .....	E-73		
Type BSDCEE Static Discharge "C" Clamp .....	E-74		
STUDBUG™ Type GCB63T13G1 for Static Grounding Applications .....	E-74		
Type GSC75 All-in-one Ball & Socket Design with NEMA Pad .....	E-75		
Type GSC63 Ground Ball Stud with 90° NEMA Pad .....	E-75		
Type GC-CT Cable Tray Ground Clamp .....	E-76		
Type BTCGC Clamp for Aluminum or Steel Cable Tray .....	E-76		
SUPER-CLAMP™ Type GXP1828RF Raised Floor/Rebar Ground Connector .....	E-77		
UNIGROUND™ Type GRF Raised Floor Grounding Connector .....	E-78		
Types GP-G1, GP-RT Raised Floor Grounding Clamps .....	E-79		

Most frequently ordered catalog numbers are highlighted in BLUE

### Mechanical Grounding Connectors Overview

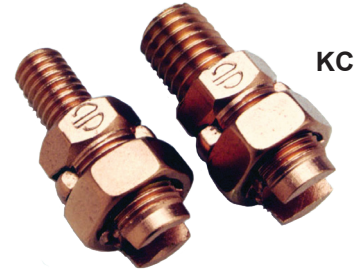
More than 60 years of technological innovation has made BURNDY® mechanical grounding connectors one of the most widely used and highly respected lines in the industry. There is virtually no grounding application challenge that this diversified line cannot help solve.

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.

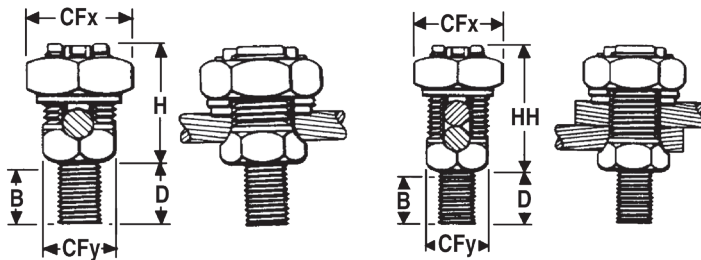
### Types KC, K2C SERVIT POST™ Connectors for copper cable to flat

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

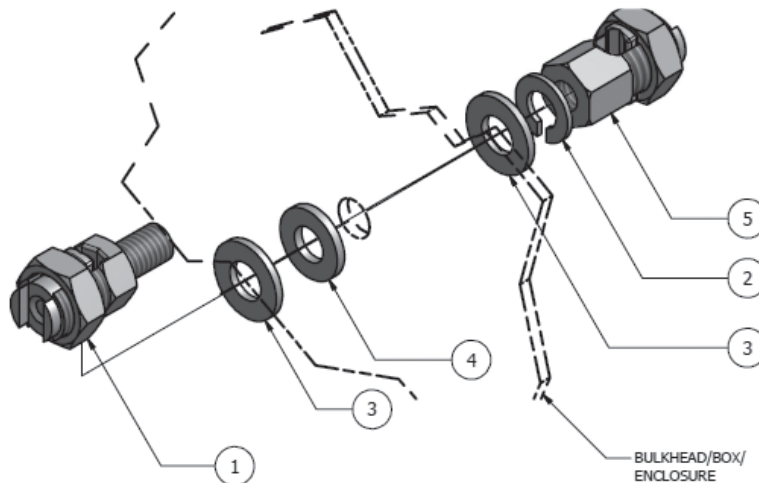
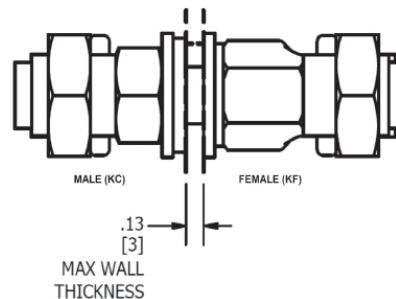
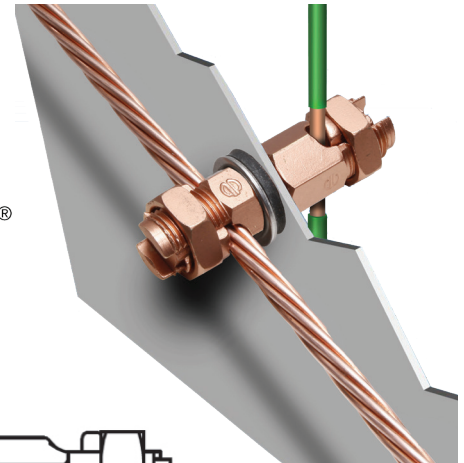
The "Bulkhead" connector is designed to allow a ground wire to be connected from the inside of a box or enclosure to the outside of a box or enclosure.

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)	10mm² (4.1) - 35mm² (6.5)	275 [31.1]	7/16
KCKF25	#2 (.292) - 1/0 (.373)	#2 (.258) - 2/0 (.365)	35mm² (6.5) - 50mm² (9.3)	385 [43.5]	9/16
KCKF28	#1 (.332) - 4/0 (.528)	#1 (.289) - 4/0 (.460)	50mm² (9.3) - 95mm² (12.8)	500 [56.5]	11/16

#### Notes:

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

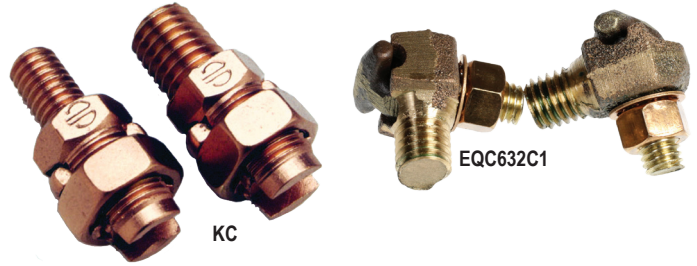
# Mechanical Grounding

## Transformer Ground Connectors Types KC-J12, EQC632C1 Type KS SERVIT® Split Bolt Connectors for Copper

### Types KC-J12, EQC632C1

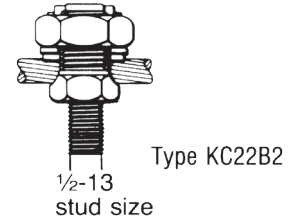
#### Transformer Ground Connectors for Copper

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



EQC632C1

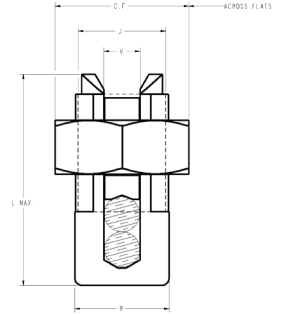
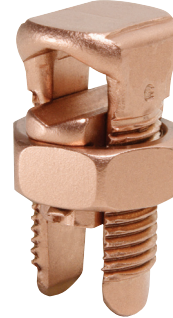
Catalog Number	Ranges	Stud Size
KC22J12T13	8 Sol. - 2 Sol.	1/2"-13
KC26	2 Sol. - 2/0 Str.	1/2"-13
KC34J12T13	3/0 - 500 Str.	1/2"-13
EQC632C1	8 Sol. - 2 Str.	1/2"-13



### 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

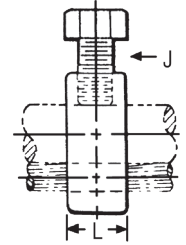
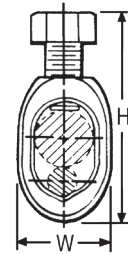


## Type GRC

### 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.				
<a href="#">GRC12</a>	1/2	10 Sol.	2 Str.	2.00	0.89	0.63	3/8
<a href="#">GRC58</a>	5/8	10 Sol.	1 Str.	2.19	0.95	0.63	3/8
<a href="#">GRC34</a>	3/4	8 Sol.	1/0 Str.	2.47	1.09	0.65	3/8

## Type GCRT1/0

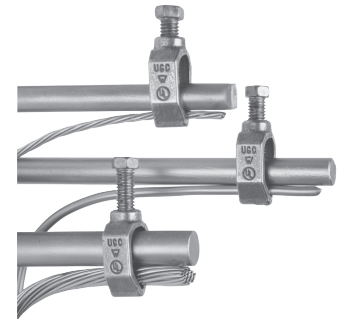
### Ground Clamp Range Taking up to 1/0

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
<a href="#">GCRT1/0</a>	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.

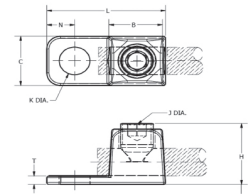
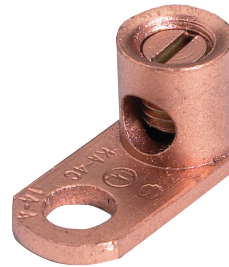
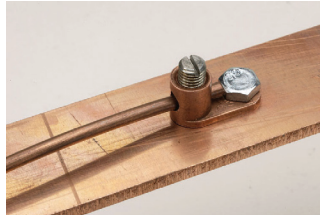


Catalog Number	Rod Size	Conductor Range	
		Minimum	Maximum
<a href="#">GRL3</a>	3/8 in	10 AWG	4 AWG
<a href="#">GRL4</a>	1/2 in	10 AWG	2 AWG
<a href="#">GRL5</a>	5/8 in	10 AWG	2 AWG
<a href="#">GRL6</a>	3/4 in	10 AWG	2 AWG

### 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



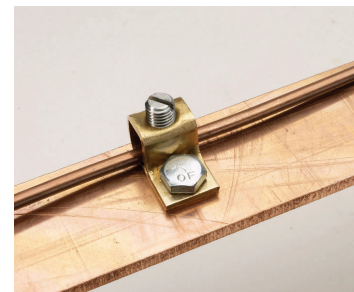
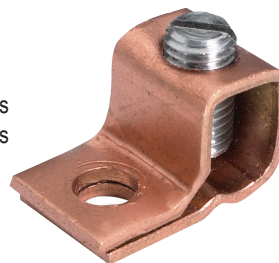
Catalog Number	Cable Range	B	C	H	J Dia.	K	L
<b>GKA8C*</b>	10 AWG-8 AWG	0.31	0.38	0.58	#12-24 (Slot)	0.21	0.81
<b>GKA4C*</b>	14 AWG-4 AWG	0.46	0.54	0.71	5/16-24 (Slot)	0.28	1.13
<b>GKA25</b>	4 AWG-1/0 AWG	0.69	0.75	0.94	1/2-20 (Hex)	0.42	1.69
<b>GKA28</b>	1 AWG-4/0 AWG	0.81	0.94	1.25	5/8-18 (Hex)	0.42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

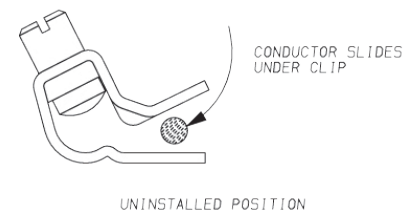
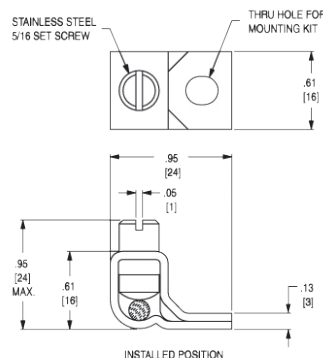
Mechanical connector for continuous run grounding and bonding applications. This exclusive BURNDY® design accommodates #10 - #4 copper where continuous conductor runs are preferable.

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



Catalog Number	Copper Cable Range	Stud Hole
<b>KPB4CG1</b> ①	10 AWG-4 AWG	#10

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

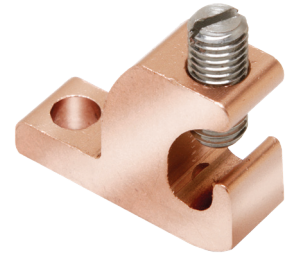


## Types CL50-1, CL50-1TN

### 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	14-10 AWG 8 AWG 6-4 AWG	20 in-lb 25 in-lb 35 in-lb
CL50-1TN*	14 AWG-4 AWG	#10		
CL50-1TN BULK*	14 AWG-4 AWG	#10		
CL501TNMHWSST†	14 AWG-4 AWG	#10		
CL501TNMHWS‡	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

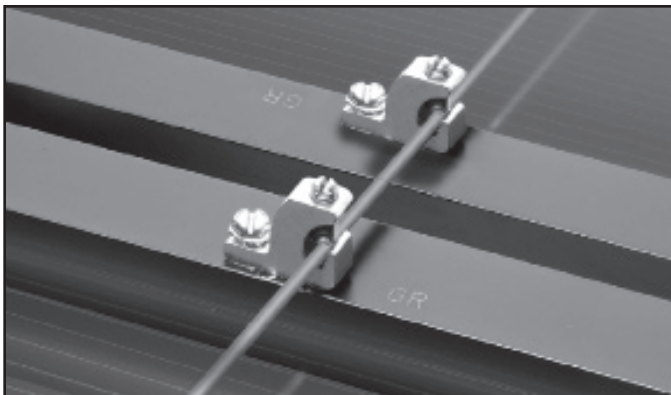
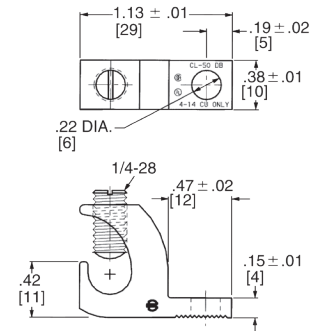


Photo above shows a typical solar panel installation using CL50-1TN connectors.

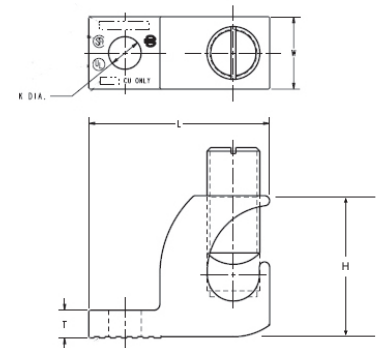
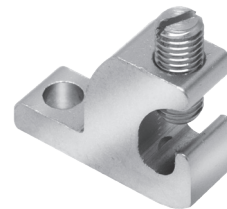


## Type CL

### 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)

# Mechanical Grounding

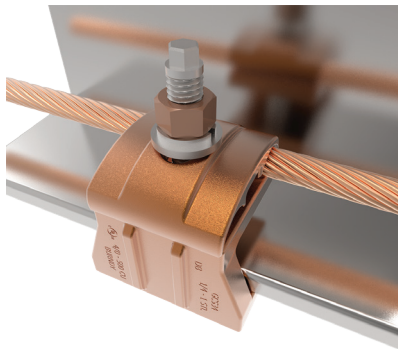
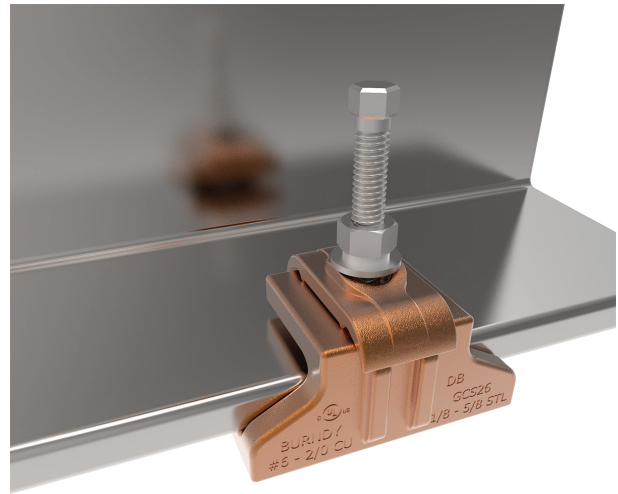
## Ground Connector to Steel The CONSTRUCTOR®; Type GCS-HEX

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

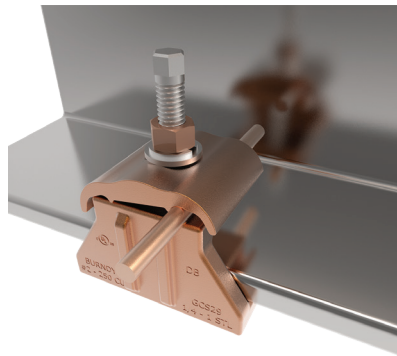
The Type GCS-HEX series of connectors are used to ground cable to steel, I-beam, storage containers, or other flanged surfaces, in applications where drilling is either not possible or unwanted. Installation of the GCS-HEX type connectors requires no power tools and is suitable for applications where 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

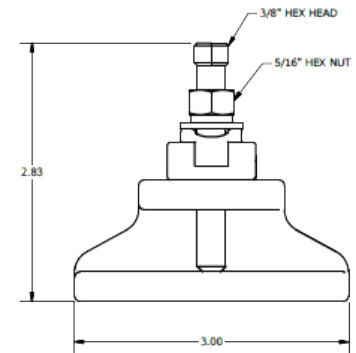
- ★ Easy and simple hex tooling installation
- ★ No hot work permit or drilling required
- Versatile; allows parallel or perpendicular conductor orientation
- Accepts beam thickness .125 - 1.000" (1/8 to 1")
- Conductor range from #6 AWG to 500 kcmil
- UL467 Listed
- Rated for Direct Burial in earth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



Parallel Configuration



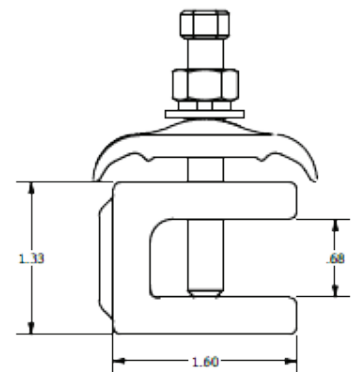
Perpendicular Configuration



Line Art dimensions shown  
are GCS26HEX connector

Catalog Number	Accommodates		Installation Torque		Installation Tooling	
	Copper Conductor Size	Beam Thickness	Screw	Nut	Screw	Nut
GCS26HEX*	#6 - 2/0 AWG	1/8" to 5/8"	100 in-lb	180 in-lb	3/8"	1/2"
GCSL28HEX	#2 - 4/0 AWG	1/4" to 1"	180 in-lb	240 in-lb	3/8"	9/16"
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





## Types GCSYA-WEEB, GCS2YA Tower Ground Clamps

The GCSYA-WEEB and GCS2YA series of connectors are used to terminate the equipment grounding conductor (EGC) to the tower structure, in applications where drilling or hot work permits are either not possible or unwanted. Installation requires no power tools and is simple to install. The GCSYA-WEEB single hole version is assembled with a WEEB® Washer to reduce one-hole lug rotation. These connectors can also be used in a variety of other applications as it is suitable to bond steel from 1/8" - 5/8" thick.

### Features & Benefits

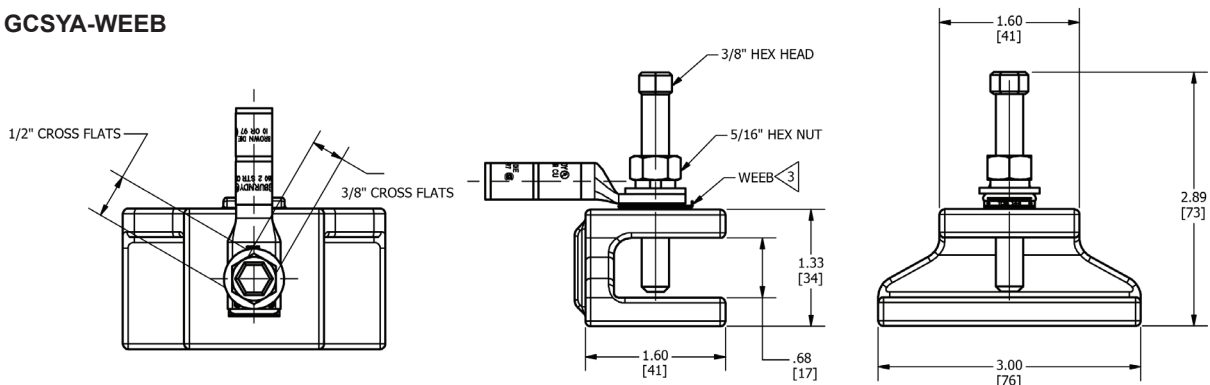
- Provides proper grounding of towers
- Easy and simple hex tooling installation
- No hot work permit or drilling required
- Includes compression lug and anti-rotation WEEB® Washer for one-hole applications
- Accommodates steel 1/8" to 5/8" thick
- Conductor range from #8 AWG to #2 AWG
- UL467 Listed
- AT&T Approved



**Type  
GCSYA-WEEB**



**Type GCSYA-WEEB**



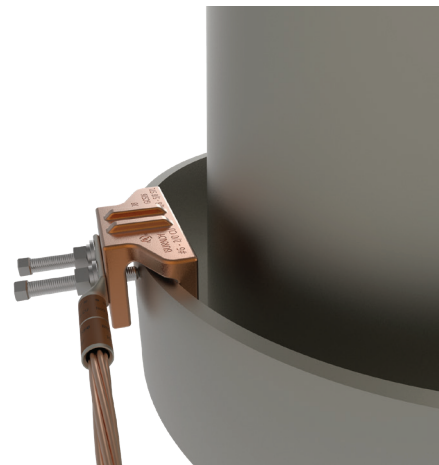
### One-Hole Style includes WEEB® Washer

Catalog Number	Conductor	Flange Thickness	Recommended Torque (in-lb)		Compression Lug	Compression Lug Installation Tooling and Details
			Bolt	Nut		
GCSYA8CWEEB	#8 AWG	1/8" to 5/8"	100	180	YA8CTC38	See Sales Drawings or Section C (Compression) in the BURNDY Catalog
GCSYA6CWEEB	#6 AWG				YA6CTC38	
GCSYA4CWEEB	#4 AWG				YA4CTC38	
GCSYA3CWEEB	#3 AWG				YA3C	
GCSYA2CWEEB	#2 AWG				YA2C	
GCSYA1CWEEB	#1 AWG				YA1C	
GCSYA25WEEB	1/0 AWG				YA25	
GCSYA26WEEB	2/0 AWG				YA26TC516	

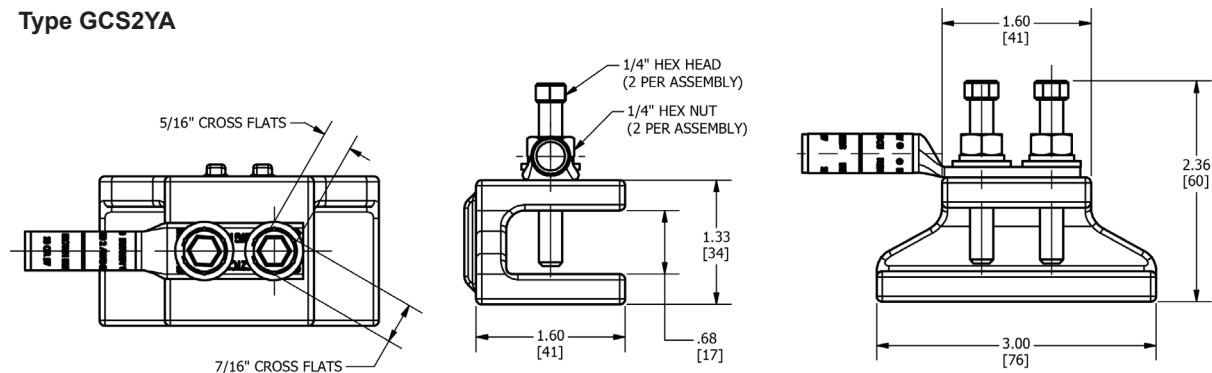
Types GCSYA-WEEB, GCS2YA (Continued)



Type GCS2YA



Type GCS2YA



Two-Hole Style does not include WEEB® Washer

Catalog Number	Conductor	Flange Thickness	Recommended Torque (in-lb)		Compression Lug	Compression Lug Installation Tooling and Details
			Bolt	Nut		
GCS2YA8C	#8 AWG	1/8" to 5/8"	100	180	YA8C2TC14E2	See Sales Drawings or Section C (Compression) in the BURNDY Catalog
GCS2YA6C	#6 AWG				YA6C2TC14E2	
GCS2YA4C	#4 AWG				YA4C2TC14E2	
GCS2YA3C	#3 AWG				YA3C2TC14E2	
GCS2YA2C	#2 AWG				YA2C2TC14E2	
GCS2YA1C	#1 AWG				YA1C2TC14E2	
GCS2YA25	1/0 AWG				YA252TC14E2	
GCS2YA26	2/0 AWG				YA262TC14E2	



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

## Mechanical Grounding

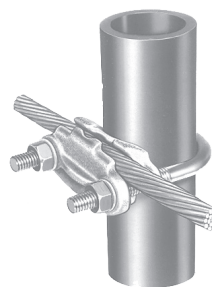
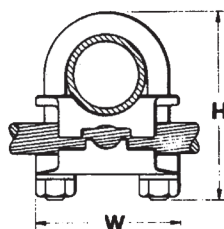
### Type GAR

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

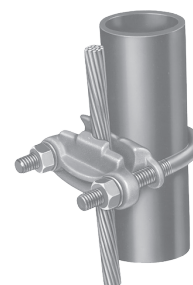
High copper alloy ground connector for joining a range of cable, parallel, or at right angles, to rod or tube. Especially good for fence posts. High copper alloy cast body with DURIUM™ Silicon Bronze U-bolts, nuts, and lockwashers, permit entire connection to be buried in earth or concrete without danger 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			
<b>GAR114C</b>	1/4	1/2	—	8 Sol. - 4 Str.	2-1/2	3/8	1-7/8
<b>GAR1126</b>	1/4	1/2	—	4 Sol. - 2/0 Str.	2-1/2	3/8	1-7/8
<b>GAR1129</b>	1/4	1/2	—	2/0 Sol. - 250	2-1/2	3/8	1-7/8
<b>GAR644C</b>	3/8	5/8 - 3/4	5 - 6	8 Sol. - 4 Str.	2-7/8	3/8	2-1/8
<b>GAR6426</b>	3/8	5/8 - 3/4	5 - 6	4 Sol. - 2/0 Str.	2-7/8	3/8	2-1/8
<b>GAR6429</b>	3/8	5/8 - 3/4	5 - 6	2/0 Sol. - 250	2-7/8	3/8	2-1/8
<b>GAR6434</b>	3/8	5/8 - 3/4	5 - 6	300-500	3-1/2	1/2	2-1/2
<b>GAR144C</b>	1/2-3/4	7/8 - 1	7 - 8	8 Sol. - 4 Str.	2-3/4	3/8	2-3/8
<b>GAR1426</b>	1/2-3/4	7/8 - 1	7 - 8	4 Sol. - 2/0 Str.	3	3/8	2-3/8
<b>GAR1429</b>	1/2-3/4	7/8 - 1	7 - 8	2/0 Sol. - 250	3	3/8	2-3/8
<b>GAR1434</b>	1/2-3/4	7/8 - 1	7 - 8	300-500	3-3/4	1/2	2-3/4
<b>GAR154C</b>	1	1-1/8 - 1-1/4	9 - 10	8 Sol. - 4 Str.	2-7/8	3/8	2-5/8
<b>GAR1526</b>	1	1-1/8 - 1-1/4	9 - 10	4 Sol. - 2/0 Str.	2-7/8	3/8	2-5/8
<b>GAR1529</b>	1	1-1/8 - 1-1/4	9 - 10	2/0 Sol. - 250	3-3/8	3/8	2-5/8
<b>GAR1534</b>	1	1-1/8 - 1-1/4	9 - 10	300-500	4-1/2	1/2	2-5/8
<b>GAR164C</b>	1-1/4	1-3/8 - 1-1/2	11	8 Sol. - 4 Str.	3-1/2	3/8	3
<b>GAR1626</b>	1-1/4	1-3/8 - 1-1/2	11	4 Sol. - 2/0 Str.	3-1/2	3/8	3
<b>GAR1629</b>	1-1/4	1-3/8 - 1-1/2	11	2/0 Sol. - 250	3-1/2	3/8	3
<b>GAR1634</b>	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:

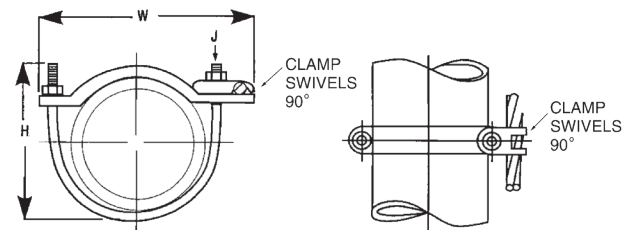
Contact BURNDY® for additional pipe and wire size combinations not shown.

## 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
- DURIUM™ silicon bronze hardware (-BU Series)\* provides long lasting corrosion resistance and acceptable for direct burial in earth or 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
<b>GAR3902-BU</b> ①	#4- 4/0 AWG	1/2-1	0.84 - 1.32	3.50	3/8" - 16	3.25	240 in. - lbs.
<b>GAR3903-BU</b> ①	#4- 4/0 AWG	1 1/4-2	1.66 - 2.38	4.00	3/8" - 16	4.25	240 in. - lbs.
<b>GAR3904-BU</b> 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.
<b>GAR3905-BU</b> ①	#4- 4/0 AWG	4-5	4.50 - 5.56	7.50	3/8" - 16	7.50	240 in. - lbs.
<b>GAR3906-BU</b> ①	#4- 4/0 AWG	6	6.62	8.50	3/8" - 16	8.62	240 in. - lbs.
<b>GAR3907-BU</b> ①	#4- 4/0 AWG	8	8.62	10.00	3/8" - 16	10.62	240 in. - lbs.
<b>GAR3908-BU</b> ①	#4- 4/0 AWG	10	10.75	12.00	3/8" - 16	12.75	240 in. - lbs.
<b>GAR3909-BU</b> ①	#4- 4/0 AWG	12	12.75	14.00	3/8" - 16	14.75	240 in. - lbs.
<b>GAR3902</b> ②	#4- 4/0 AWG	1/2-1	0.84 - 1.32	3.50	3/8" - 16	3.25	240 in. - lbs.
<b>GAR3903</b> ②	#4- 4/0 AWG	1 1/4-2	1.66 - 2.38	4.00	3/8" - 16	4.25	240 in. - lbs.
<b>GAR3904</b> 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.
<b>GAR3905</b> ②	#4- 4/0 AWG	4-5	4.50 - 5.56	7.50	3/8" - 16	7.50	240 in. - lbs.
<b>GAR3906</b> ②	#4- 4/0 AWG	6	6.62	8.50	3/8" - 16	8.62	240 in. - lbs.
<b>GAR3907</b> ②	#4- 4/0 AWG	8	8.62	10.00	3/8" - 16	10.62	240 in. - lbs.
<b>GAR3908</b> ②	#4- 4/0 AWG	10	10.75	12.00	3/8" - 16	12.75	240 in. - lbs.
<b>GAR3909</b> 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 DURIUM™ silicon bronze hardware and is Listed for direct burial  
② Standard Type GAR-3900 series supplied with galvanized U-bolt and hardware

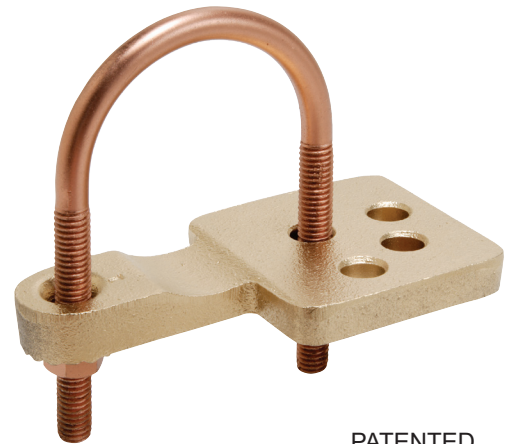
\*\* Refer to Section O for tube dimensions.

### Type GAR-TC Water Pipe Ground Connector

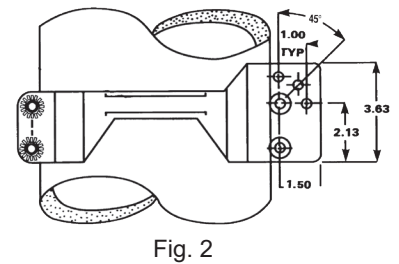
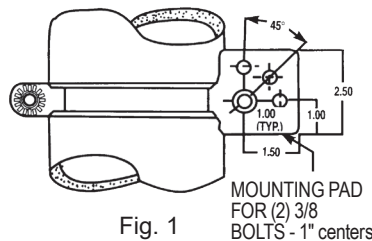
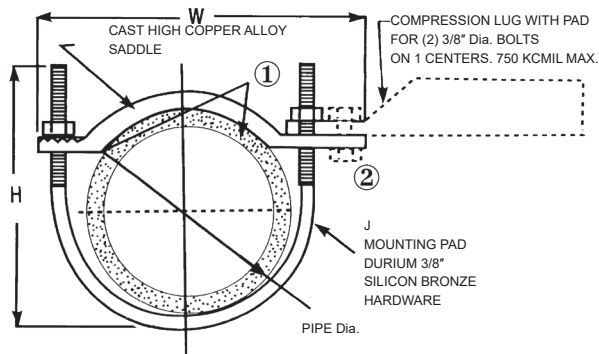
Type GAR-TC is a high-conductivity copper ground connector that features a pre-drilled pad, allowing a 2-hole compression terminal to be directly connected to water pipe as well as structural and reinforcing rod shapes. Universal acceptance of several sizes of cylindrical shapes makes this suitable for 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
- DURIUM™ 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

DURIUM™ 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.



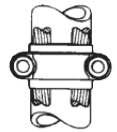
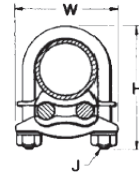
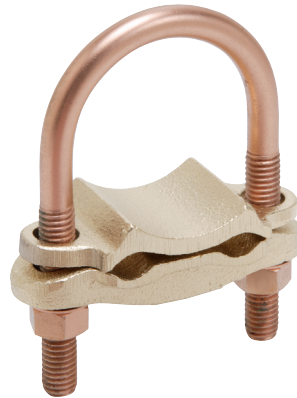
## Type GD

### 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 DURIUM™ 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

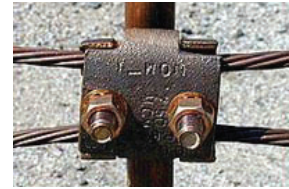
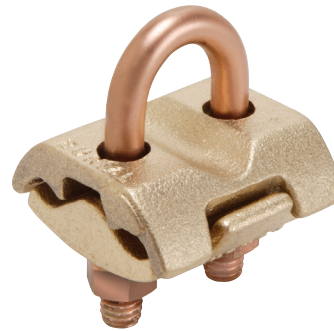
# Mechanical Grounding

## Two Copper Cables to Rod, Pipe, or Column Type GP Ground Connector

### Type GP

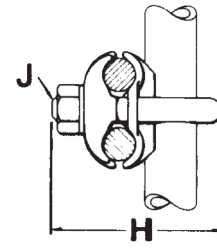
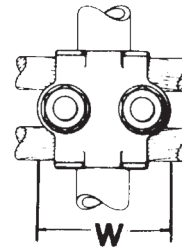
#### Two Copper Cables to Rod, Pipe or Column

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 DURUM™ 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:

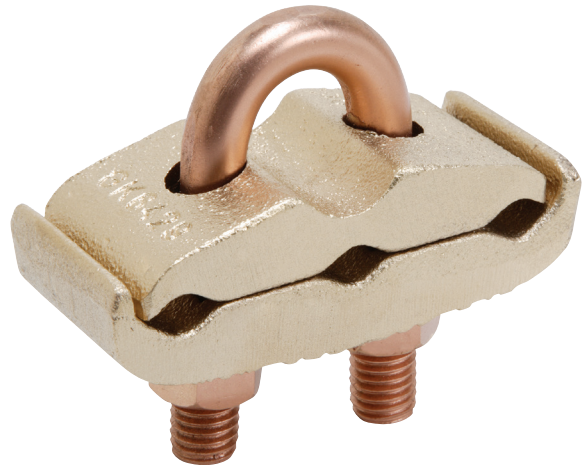
\*\* Refer to Section O for tube dimensions.



## Type GK

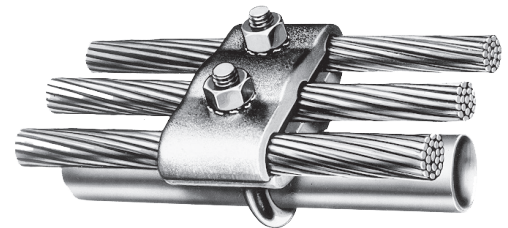
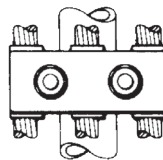
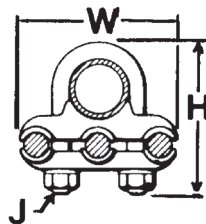
### For Three Copper Cables to Rod or Pipe

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

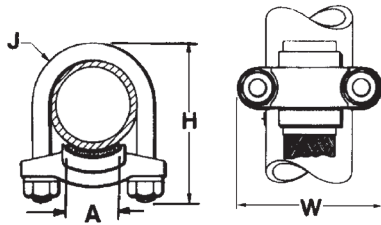
## Type GG Ground Connector for Copper Bar / Strap / Braid / Cable to Rod or Tube

### 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 also in this catalog section

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		3-1/2		3	
GG17-1	1-1/2	1-5/8 - 1-7/8				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		4-5/8	
GG18-2			2	5		5-1/5	
GG19-2	5-1/4						
GG19-25	2-1/2	6-3/8	5-7/8	6-1/4			
GG20-2	2						
GG20-25	2-1/2						
GG20-3	3						
GG21-2	3-1/2	3-1/2 - 4	2	7-1/4			
GG21-25			2-1/2				
GG21-3			3				
GG21-35			3-1/2				
GG22-2	4	4 - 4-1/2	2			6-1/2	
GG22-25			2-1/2				
GG22-3			3				
GG22-4			4				
GG24-2	5	—	2		7-5/8		

NOTE:

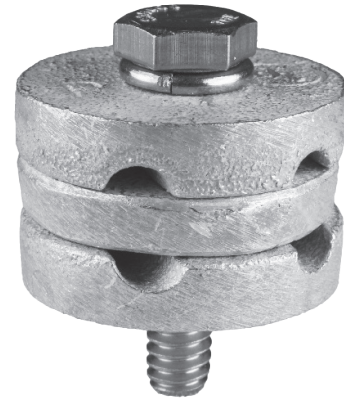
\*\* Refer to Section O for tube dimensions.

## 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.

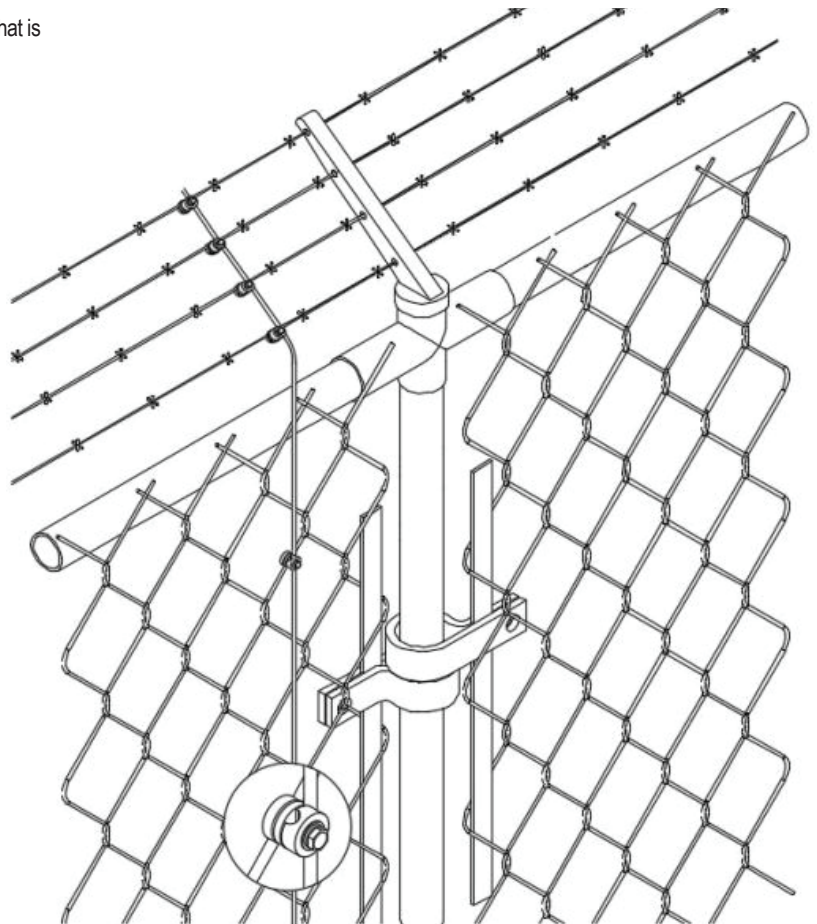
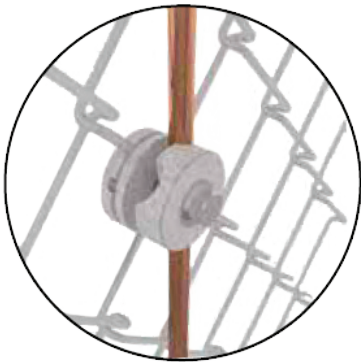
Tin plated copper clamp includes stainless steel hardware and allows for use on most metallic surfaces including galvanized steel. Other sizes available; please contact factory for information.



### 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

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



# 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 DURIUM™ silicon bronze for superior corrosion protection.

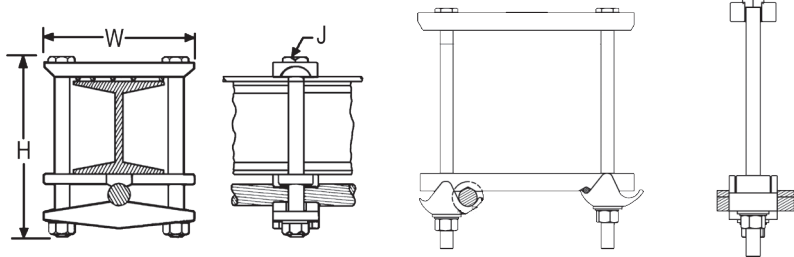
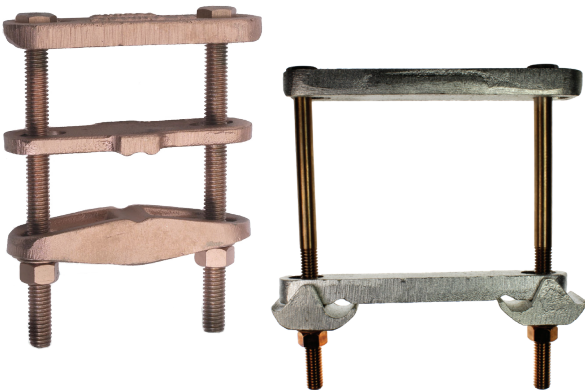


Figure 1

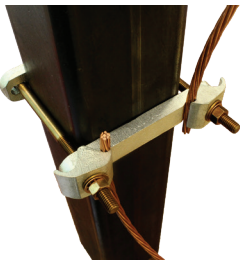
Figure 2



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

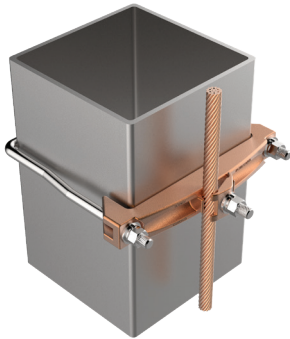


### Type GA-H30SS For Copper Cable to Square Fence Post

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

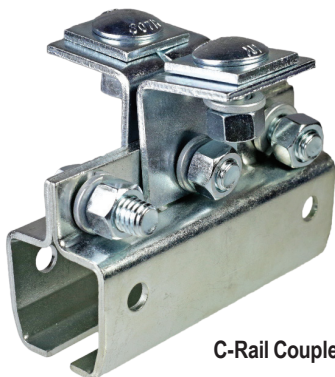
- Galvanized steel C-Rail for durability
- Sealed ball bearings in zinc-plated steel wheels are pre-lubricated for life offering consistent smooth operation
- Tow trolley protects conductor from pinch points
- Cable saddle helps keep conductor in line with track (ensure the cable size in use is accommodated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

### Specifications:

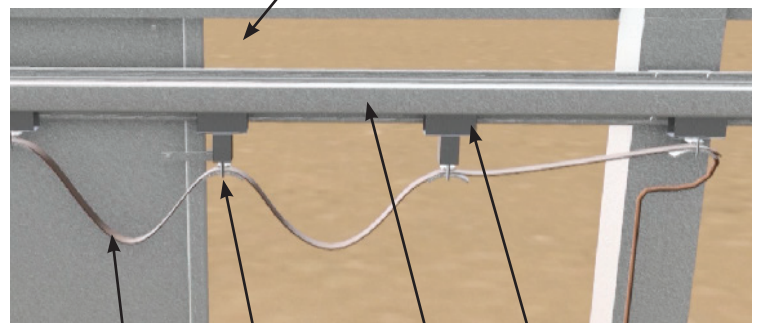
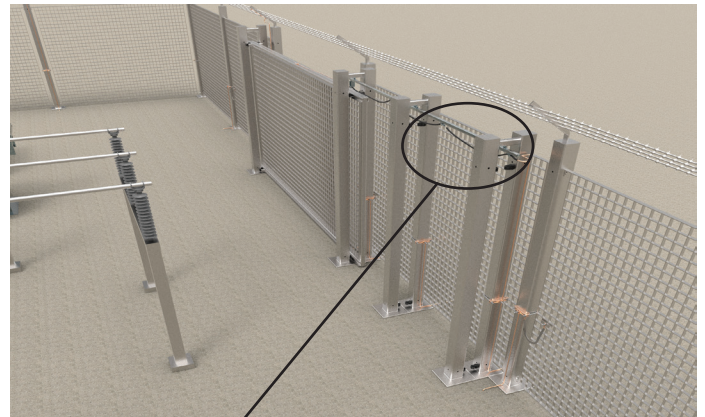
<b>Wheels</b>	Zinc-plated steel; smooth running ball bearing
<b>Axles</b>	Zinc-plated steel
<b>C-Rail Track</b>	Roll-formed galvanized steel
<b>Hardware</b>	Zinc-plated steel
<b>Active Travel</b>	Up to 25 ft (7.62m)*
<b>Trolley Loads</b>	Up to 45 lbs/trolley (20.25kg)**
<b>Speed</b>	Up to 250 fpm (75mpm)

\*Additional kits are available for longer travel, contact customer service.

\*\*Designed for cable loads only.



**C-Rail Coupler**



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



**Tow Trolley Close-Up**

Note: Wheels on trolleys fit inside C-Rail

# Mechanical Grounding

Festoon Grounding System Kits  
Variety of lengths available

## Festoon Grounding System (Continued)

Catalog Number	Length				Trolley Count (Count only included intermediate trolleys)	Rails (Qty / Length)	Coupler Hanger (Qty)
	Active	Storage	System	Cable (not included)			
BCR02302	10'-10"	1'-4"	12'-8"	17'	2	2 / 6'	3
BCR03302	14'-6"	1'-7"	16'-7"	22'	3	3 / 6'	4
BCR04302	18'-2"	1'-11"	20'-6"	27'	4	4 / 6'	5
BCR05302	21'-9"	2'-2"	24'-4"	33'	5	5 / 6'	6
BCR06302	25'-5"	2'-5"	28'-3"	38'	6	5 / 6'	6
BCR07302	29'-0"	2'-8"	32'-2"	43'	7	6 / 6'	7
BCR10302	39'-11"	4'-6"	43'-11"	59'	10	10 / 6'	13

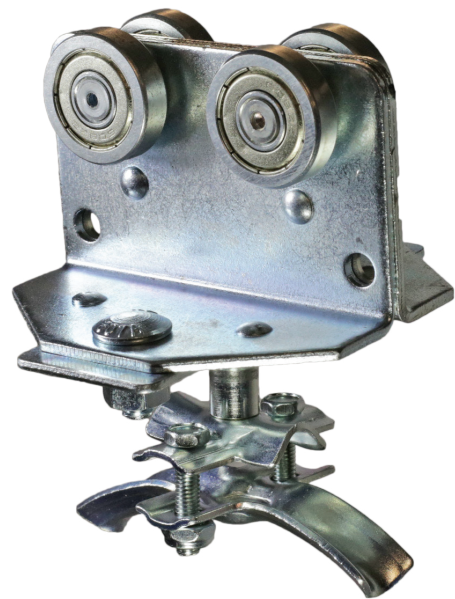
### Terminology:

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

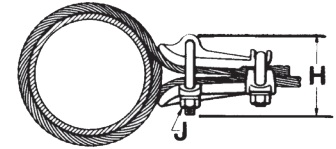
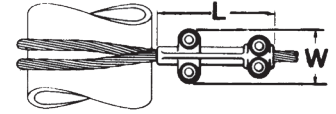
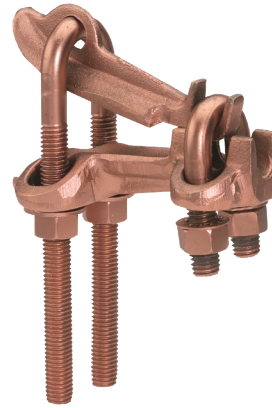


## Type GQ

### 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



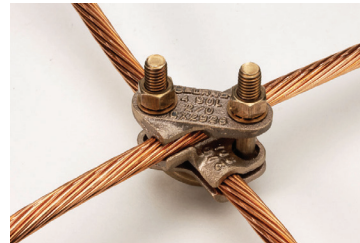
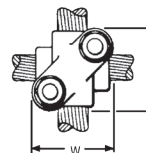
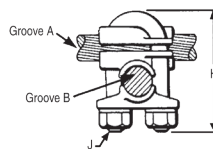
Catalog Number	Conductor		H	J	L	W
	I.P.S.	Cable				
GQ2626	6" Max.	4 Str. - 2/0 Str.	4-1/2	1/2	5	2-1/2
GQ26-1	Above 6"	4 Str. - 2/0 Str.	7-1/8	1/2	5	2-1/2
GQ2929	6" Max.	2/0 Str. - 250	4-1/8	1/2	6	2-3/4
GQ29-1	Above 6"	2/0 Str. - 250	7-1/2	1/2	6	2-3/4

## 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



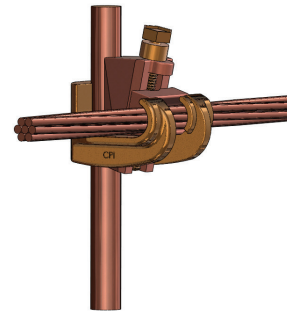
Catalog Number	Conductor		H	J	L	W
	Groove A	Groove B				
GX4C4C	8 Sol. - 4 Str.	8 Sol. - 4 Str.	1-7/8	3/8	1-5/8	1-5/8
GX264C	4 Sol. - 2/0 Str.	8 Sol. - 4 Str.	2-1/2	3/8	1-3/4	1-2/3
GX2626	4 Sol. - 2/0 Str.	4 Sol. - 2/0 Str.	2-1/2	3/8	1-3/4	1-2/3
GX294C	2/0 Sol. - 250	8 Sol. - 4 Str.	2-3/4	3/8	1-7/8	1-7/8
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

## CPI™ Ground Grid Connectors

Accommodates .232" - .681" Diameter Range (Vertical)

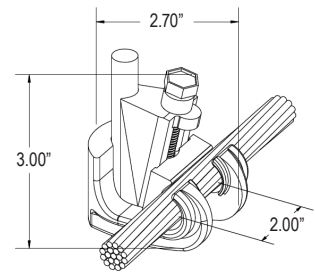
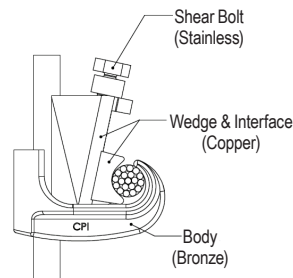
.184" - .575" Diameter Range (Horizontal)

CPI Ground Grid Connectors are a safe, fast, and dependable method of making permanent wire-to-wire and wire-to-rod connections for a variety of grounding applications. Using a special shear-head bolt to drive a wedge into the connector activates the connector. When the proper torque and spring tension is achieved, the bolt head shears off, giving the installer a positive indication of an optimum connection.



## Features and Benefits

- No special molds, chemicals, tools, dies or fired-on charges necessary for installation; installed with a common socket, impact or ratchet wrench
- No temperature or weather restrictions for installation; can be installed no matter what environment exists at the job site
- Shear-head bolt ensures consistency of application and positive verification of a completed connection
- Fully tested to IEEE standard 837 for:
  - Mechanical Pullout
  - Electromagnetic Force
  - Current-Temperature Cycling
  - Freeze-Thaw
  - Corrosion-Nitric Acid
  - Fault Current, 35 kA rms. sym. at .02 sec.
  - Thermal Shock and Accelerated Corrosion
- Typical applications:
  - Substation ground grids
  - Pole grounds transmission line grounding
  - Industrial/Residential service grounds
  - Pad Mount Transformers
  - Telco distribution / CATV grounds
  - Wind Farms



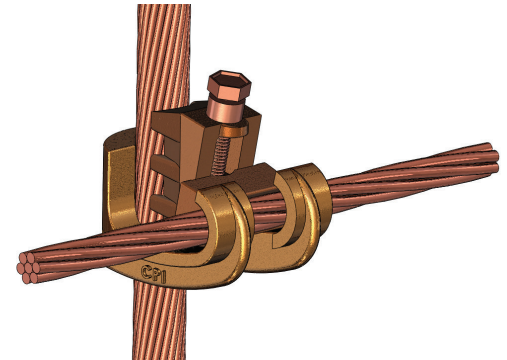
Catalog Number	Conductor			
	Vertical	Vertical Dia. Range	Horizontal	Horizontal Dia. Range
900100	350 kcmil - 3/4" Rod	.681" - .680"	250 kcmil - 5/8" Rod	.575" - .556"
	300 kcmil	.630"	4/0 Str	.522"
	250 kcmil	.575"	250 kcmil	.575"
900101	250 kcmil - 4/0 Str	.575" - .522"	250 kcmil - 5/8" Rod	.575" - .556"
	250 kcmil	.575"	4/0 Str	.522"
			1/2" Rod	.368"
900102	250 kcmil - 5/8" Rod	.575" - .556"	2/0 kcmil - 1/0 Str	.419" - .368"
	4/0 Str	.522"		.368"
	1/2" Rod	.472"		
900103	2/0 Str - 1/0 Str	.419" - .368"	2/0 Str - 1/0 Str	.419" - .368"
	5/8" Rod - 1/2" Rod	.556" - .472"	#2 Str	.292"
	4/0 Str	.522"		
900104	250 kcmil - 4/0 Str	.575" - .522"	#4 Str - #6 Str	.232" - .184"
	#1 Str	.328"	#1 Str	.328"
900105	#4 Str = #2 Str	.232" - .282"	#4 Str - #2 Str	.232" - .282"

## CPI™ Ground Grid Connectors

Accommodates .679" - .813" Diameter Range (Vertical)

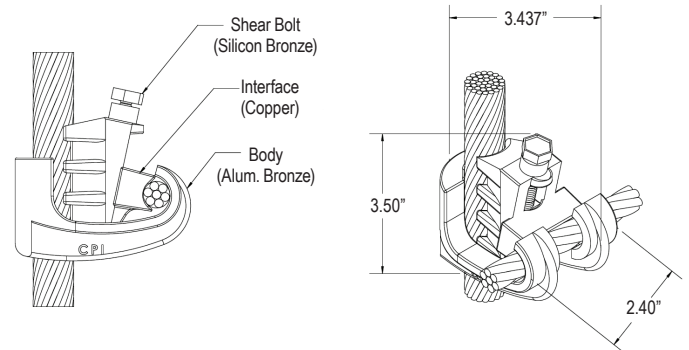
.368" - .813" Diameter Range (Horizontal)

CPI Ground Grid Connectors are a safe, fast, and dependable method of making permanent wire-to-wire and wire-to-rod connections for a variety of grounding applications. Using a special shear-head bolt to drive a wedge into the connector activates the connector. When the proper torque and spring tension is achieved, the bolt head shears off, giving the installer a positive indication of an optimum connection.



## Features and Benefits

- No special molds, chemicals, tools, dies or fired-on charges necessary for installation; installed with a common socket, impact or ratchet wrench
- No temperature or weather restrictions for installation; can be installed no matter what environment exists at the job site
- Shear-head bolt ensures consistency of application and positive verification of a completed connection
- Fully tested to IEEE standard 837 for:
  - Mechanical Pullout
  - Electromagnetic Force
  - Current-Temperature Cycling
  - Freeze-Thaw
  - Corrosion-Nitric Acid
  - Fault Current, 35 kA rms. sym. at .02 sec.
  - Thermal Shock and Accelerated Corrosion
- Typical applications:
  - Substation ground grids
  - Pole grounds transmission line grounding
  - Industrial/Residential service grounds
  - Pad Mount Transformers
  - Telco distribution / CATV grounds
  - Wind Farms



Catalog Number	Conductor			
	Vertical	Vertical Dia. Range	Horizontal	Horizontal Dia. Range
900200	500 kcmil, 450 kcmil	.813", .769"	500 kcmil, 450 kcmil	.813", .769"
	500 kcmil	.813"	400 kcmil	.726"
900201	500 kcmil, 450 kcmil	.813", .769"	350 kcmil, 300 kcmil, 3/4 Rod	.679", .629", .680"
	450 kcmil, 400 kcmil	.769", .726"	400 kcmil	.726"
900202	500 kcmil, 450 kcmil	.813", .769"	250 kcmil, 5/8" Rod, 4/0 Str	.574", .556", .522"
	350 kcmil	.679"	350 kcmil, 300 kcmil, 3/4 Rod	.679", .629", .680"
	400 kcmil	.726"	250 kcmil, 5/8" Rod	.574", .556"
900203	500 kcmil, 450 kcmil	.813", .769"	1/0 Str, 2/0 Str	.368", .419"

# Mechanical Grounding

Miscellaneous Cast Bronze Clamps  
For Conduit; Water Pipe/Copper Tube; Light Duty Water Pipe

## 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
<b>C-5</b>	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.

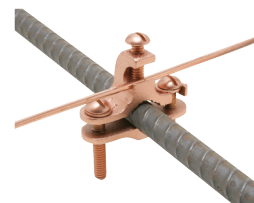
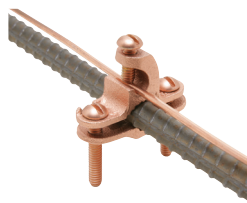
- Rated for Direct Burial in earth or concrete
- UL467 Listed for the US and Canadian Markets



Fig. 1



Fig. 2



Catalog Number	Fig. #	Accommodates Conductor Range				Reference Dimensions			Recommended Screw Torque (Inch Pounds)
		Main			Tap				
		Water Pipe	Rebar	Ground Rod	Ground	H	L	W	
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
<b>CZ-11</b>	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.



# Mechanical Grounding

Miscellaneous Cast Bronze Clamps  
For Conduit; Water Pipe/Copper Tube; Light Duty Water Pipe

## 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



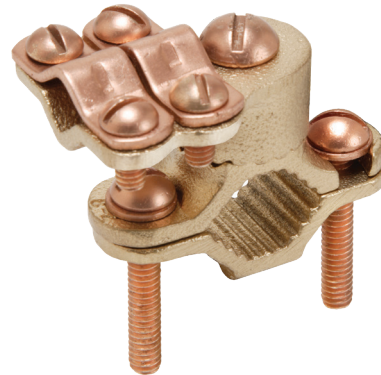
Catalog Number	Accommodates Conductor Range		Reference Dimensions			Recommended Torque	
	Water Pipe	Armored Conductor	H	L	W	Pipe Clamp	Wire Clamp
C-11JA	1/2 - 1 [13-25]	10 - 6 Sol.	1.38" [35]	3.05" [77]	1.41" [36]	50 in.-lb.	50 in.-lb.
C-22JA	1-1/4 - 2 [32-51]	10 - 6 Sol.	2.60" [66]	3.69" [94]	1.41"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

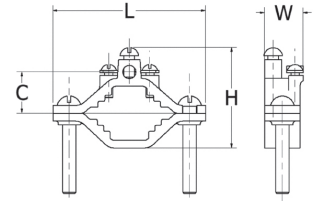
## Type C- Cast Bronze Clamps

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 Canadian Markets



C-6 Shown



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 Canadian Markets



C-61 Shown

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.

# Mechanical Grounding

## Cast Bronze Clamps for Conduit Cast Bronze Clamp with Copper Strap

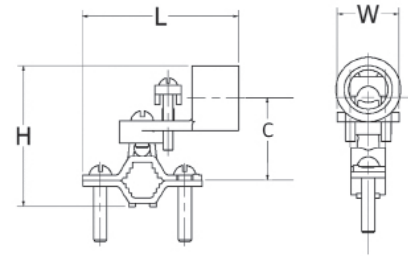
### Type C-LH Cast Bronze Clamps for Conduit

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.

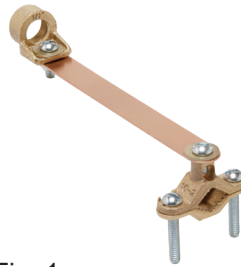


Fig. 1



Fig. 2

- UL467 Listed for the US and Candian Markets

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.

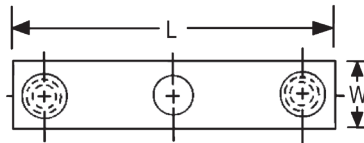
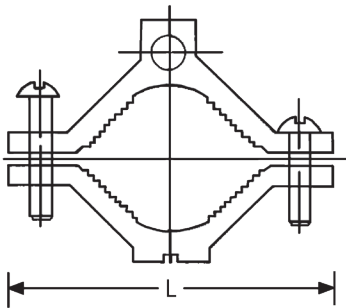
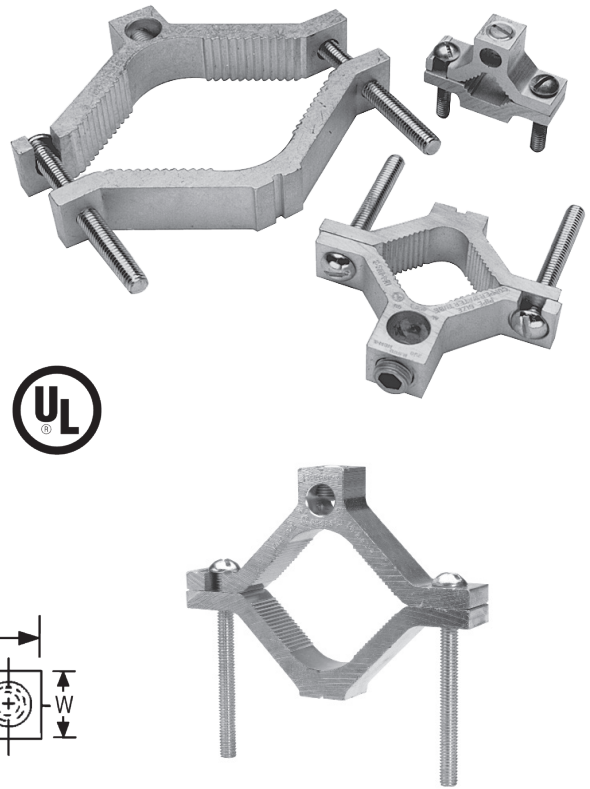
## Type GC-A

### 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
<b>GC15A</b>	1/2 - 3/4 - 1	1/0 - 14	Slotted	11/16	2-1/4	Slot
<b>GC18A</b>	1-1/4 - 1-1/2 - 2	250 kcmil - 6	Hex Socket	13/16	3-3/4	5/16
<b>GC22A</b>	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

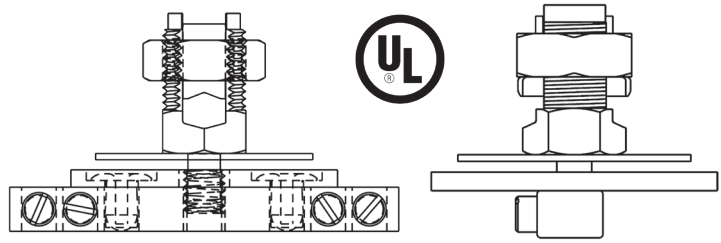
### Type BDT, House or Meter Socket Mounted BONDIT® Intersystem Bonding Connector

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.

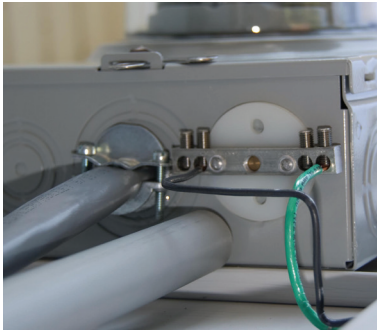
Catalog Number: **BDT1**

#### 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

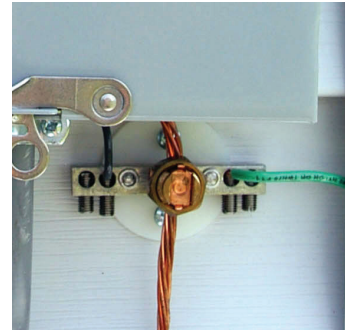
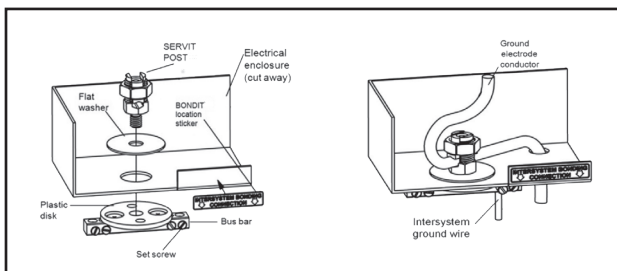


- Accepts main ground wire (#2-#8), up to 4 intersystem wires (#6-#14)
- Easily mounts to meter box during new installation or can be wall mounted
- Easy to follow instructions included
- Does not damage meter socket; no worries about damaging the paint or voiding warranties
- Easily installed with a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



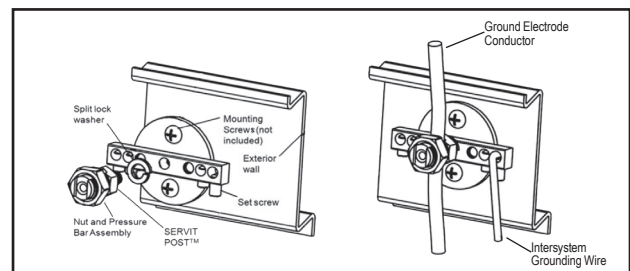
#### CONFIGURATION 1 - MOUNTED TO ENCLOSURE

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.





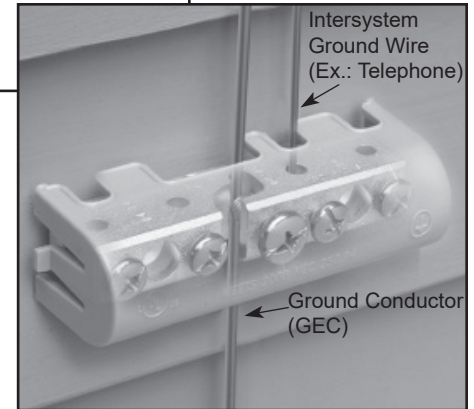
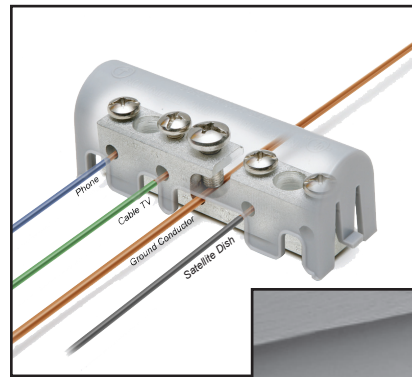
## Type BDTIBB, BONDIT® Wall Mounted Intersystem Bonding Connector

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.

### 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 Canadian 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



Catalog Number	Figure	Cover Color	Conductor Range		Reference Dimensions			
			Lay-In Section	Conductor Ports	L	W	H	M
BDTIBB	1	Gray	#6 - #2 AWG	#14 - #4 AWG	3.99 [101]	0.71 [18]	0.91 [23]	2.46 [62]
GIB5	2	White	#6 - #2 AWG	#14 - #4 AWG	3.39 [86]	1.50 [38]	0.91 [23]	2.13 [54]

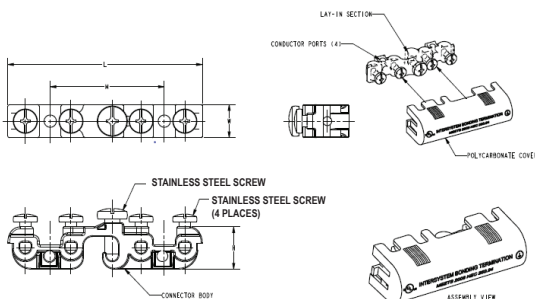


Figure 1

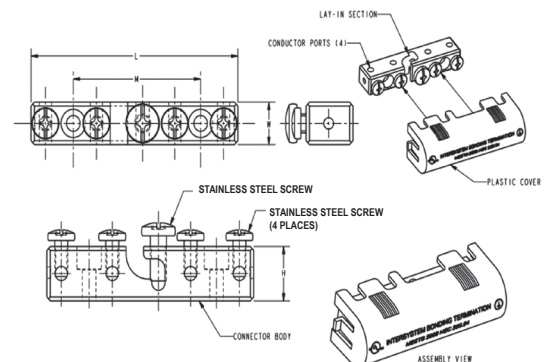


Figure 2

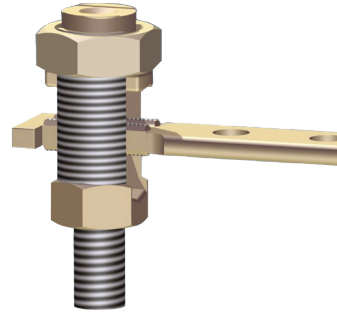
# Mechanical Grounding

HandyBug™ Connector  
Type SB, Tap, Splice, or Terminate

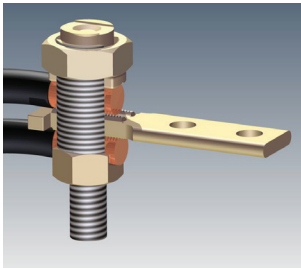
## Type SB, HandyBug™ Connector Tap, Splice, Terminate all with the same connector

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.

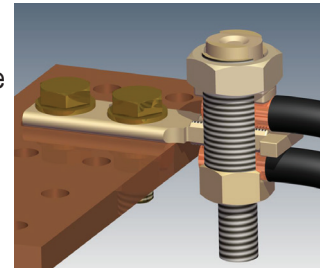
Ideal for emergency repairs, maintenance crews, and technicians, this connector is an essential part of every electrician's basic supplies. cULus Listed and acceptable for direct burial in earth and concrete.



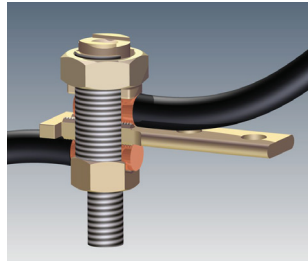
Traditional Split Bolt Option



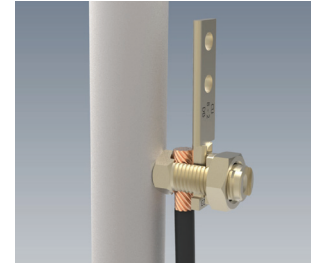
Terminate 1 or 2 Wires



Splice Connection

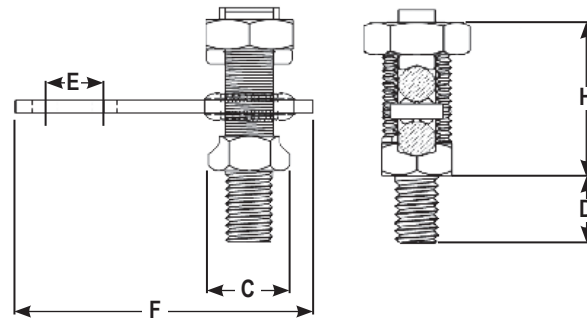


Wire to Pipe or Steel



## 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)".

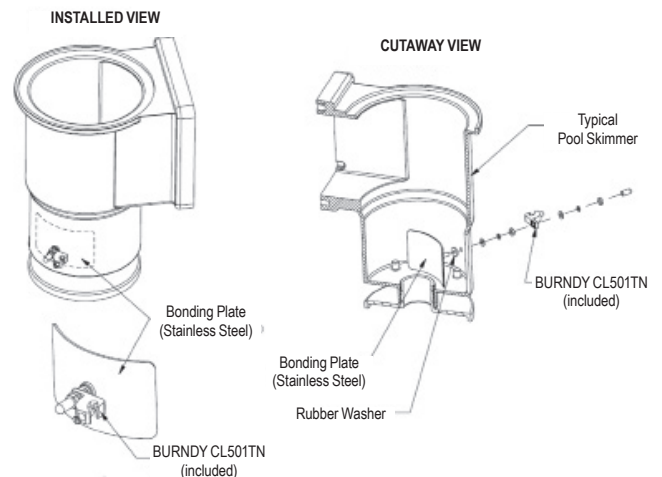
In order to comply with this requirement BURNDY is offering the BWB680 Series. Made of non-corrosive stainless steel, the BURNDY water bonding kit maintains constant contact with pool water to ensure that the pool is effectively bonded at all times.

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.

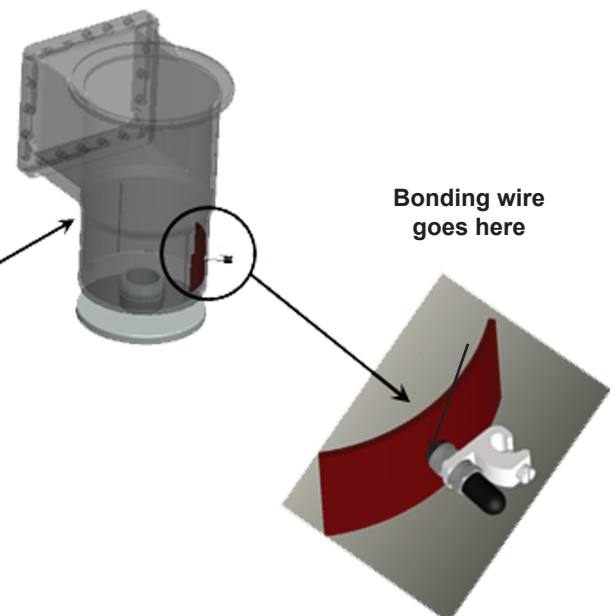
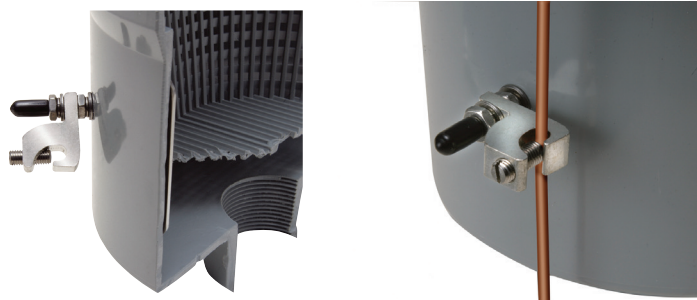
Included in the BURNDY BWB680 Series Bonding Kit: One (1) bonding plate; one (1) rubber sealing washer; two (2) flat washers; two (2) lock washers; two (2) nuts; and one (1) BURNDY CL501-TN.

### 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
<b>BWB680AG</b>	Above Ground
<b>BWB680IG</b>	In-Ground

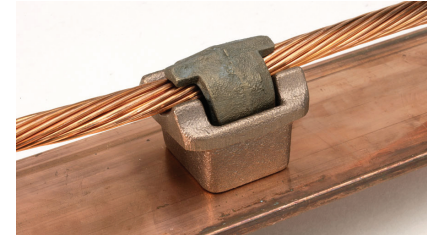
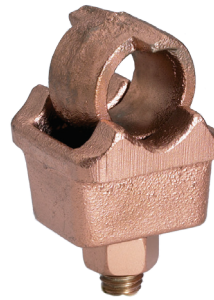
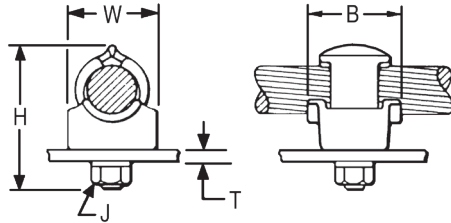


# Mechanical Grounding

## BARTAP™ Type QGFL, For Copper Cable to Flat Bar or Pad Type GNAH Grounding Terminal

### 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. DURUM™ silicon bronze nut and lockwasher. Can be installed side by side or in line on a NEMA drilled bar.



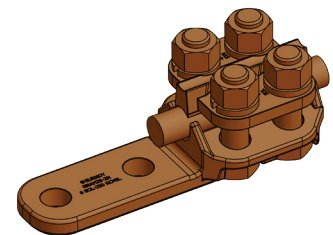
Catalog Number	Copper Conductor	B	H	J	T (Max)	W
QGFL1CB1	#10 Sol. - #1 Str.	1-1/8	1-7/8	3/8	1/4	1
QGFL1CB1T6	#10 Sol. - #1 Str.	1-1/8	2-3/8	3/8	3/4	1
QGFL26B1	#8 Sol. - #2/0 Str.	1-1/4	2-1/8	3/8	1/4	1-1/8
QGFL26B1T6	#8 Sol. - #2/0 Str.	1-1/4	2-5/8	3/8	3/4	1-1/8
QGFL26B2*	#8 Sol. - #2/0 Str.	1-1/4	2-8/25	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 AWG - 500 kcmil	2	3-1/8	1/2	1/4	1-3/4
QGFL34B1T6	1/0 AWG - 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.

### Type GNAH Grounding Terminal

Cast copper alloy grounding terminal for equipment grounding-type applications. 2-hole NEMA drilling (1/2" holes, 1-3/4" center to center) on tongue. Qualified to IEEE 837-2014

Catalog Number	Cable	L	H	W	J	Rec. Torque
GNAH292N	#6 Sol - 250 kcmil Small Groove: #6 Sol - 1/0 Str Large Groove: 2/0 Str - 250 kcmil	5.88"	2.26"	2.44" (large groove)	1/2"	480





## 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 DURUM™ hardware. Connectors designed for extended service life.

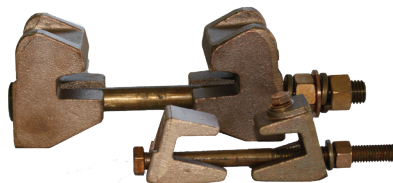


Figure 1

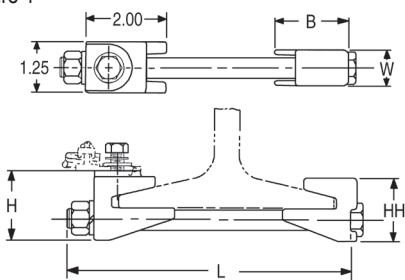


Figure 2

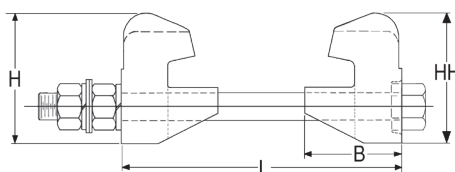


Figure 3

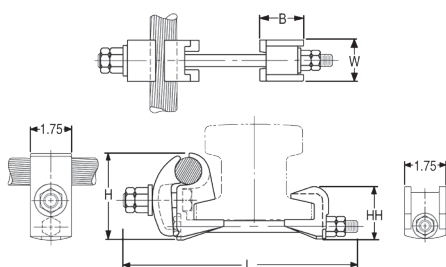


Figure 4

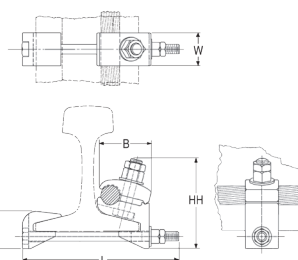
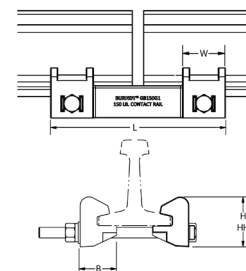


Figure 5



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
GB150G2	5	Third Rail Splice Clamps Two 150 Lb Contact Rails	2.56	3.50	3.50	12.25	3.00
GB150G3			2.56	3.50	3.50	23.00	3.00

① Tin-plated



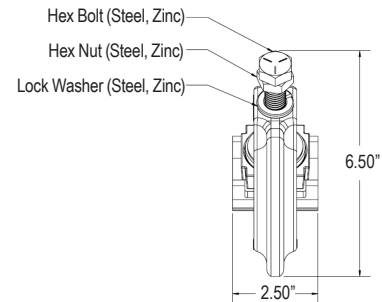
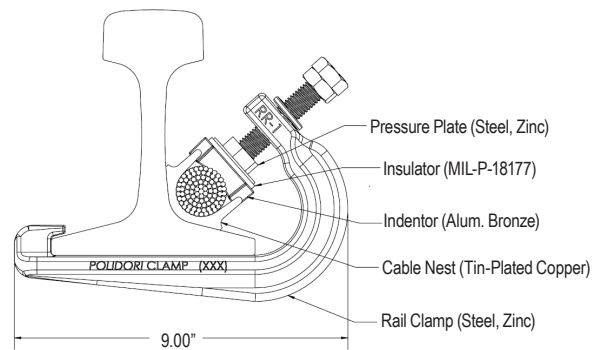
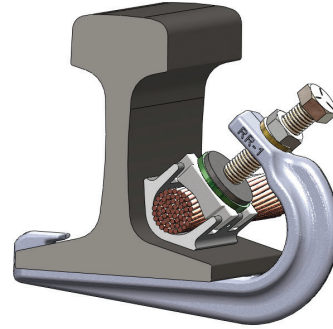
## CPI™ Running Rail Connectors

### Single and Two-Conductor Styles

CPI Running Rail Connectors are designed as a permanent connection for copper conductor to a variety of rails used in Heavy Rail Mass Transit systems. Constructed with a heavy duty aircraft-quality steel spring member, copper cable nest, indenter, hex head bolt and locking nut.

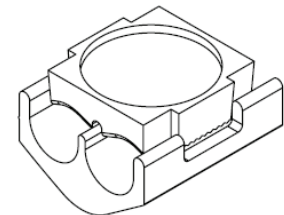
## Features and Benefits

- No drilling in rail or need to weld conductor to the rail!
- Rail is not subjected to warping by excessive heat or to weakening by drilling
- Labor saving, installation time can take as little as 10 minutes per connection
- Fewer rail connections required due to large conductor capacity (Single conductors up to 1000 kcmil; Dual conductors up to 750 kcmil)
- Large conductors can be bent away from the rail after installation without the risk of damaging the connector
- The clamp is an active spring applying a consistent force on the conductor ensuring a positive connection through heat cycling and train vibration
- The J-shaped spring member of the connector helps overcoming loosening issues problems associated with harsh train vibration by flexing rather than breaking; a static-type connection doesn't have this resiliency and could crack under prolonged vibration
- Consistent spring pressure prevents moisture and contamination from seeping into the connection
- All copper components are tin plated and steel components are galvanized

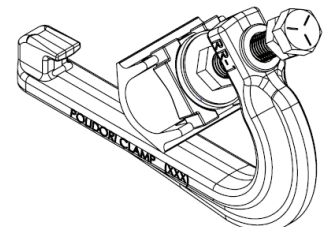


Single Conductor Connectors		
Catalog Number	Rail Size & Type	Conductor Size Range
85-1000	85 lb ASCE	1000 kcmil
90-1000	90 lb ASCE	1000 kcmil
115-500	115 lb AREMA, 119 lb AREMA	500 kcmil
115-750	115 lb AREMA, 119 lb AREMA	750 kcmil
115-1000A	115 lb AREMA, 119 lb AREMA	1000 kcmil - 1250 kcmil
136-500	136 lb AREMA	500 kcmil
Two Conductor Connectors		
85-2-500	85 lb ASCE	TWO: 250 kcmil - 500 kcmil
90-2-500	90 lb ASCE	TWO: 250 kcmil - 500 kcmil
115-2-500	115 lb AREMA, 119 lb AREMA	TWO: 250 kcmil - 500 kcmil
115-2-750	115 lb AREMA, 119 lb AREMA	TWO: 750 kcmil
136-2-500	136 lb AREMA	TWO: 250 kcmil - 500 kcmil

Contact the factory for any rail or conductor combination not listed



115-2-500 Nest Configuration



115-1000A Nest Configuration

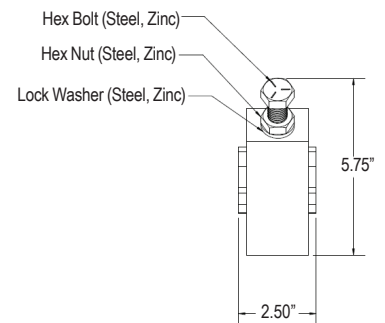
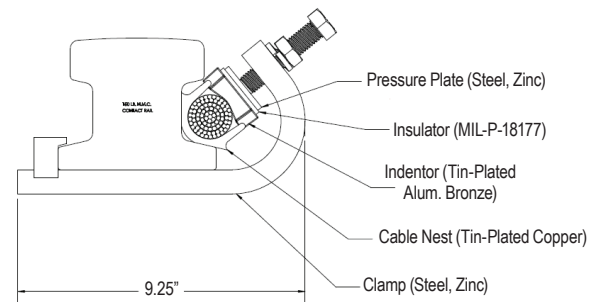
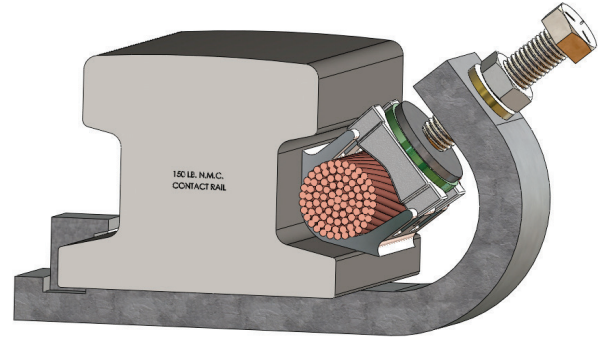
## CPI™ Contact Rail Connectors

### Single and Two-Conductor Styles

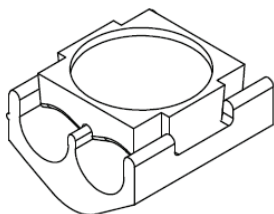
CPI Contact Rail Connectors are designed as a permanent connection for copper conductor to a variety of rails used in heavy rail Mass Transit systems. Constructed using a heavy duty aircraft-quality steel spring member, copper cable nest, indenter, hex head bolt and locking nut.

### Features and Benefits

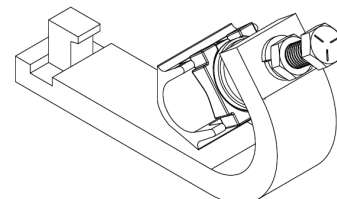
- No drilling in rail or need to weld conductor to the rail!
- Rail is not subjected to warping by excessive heat or to weakening by drilling
- Labor saving, installation time is 1/6 man hours
- Fewer rail connections required due to large conductor capacity (Single conductors up to 2000 kcmil; Dual conductors up to 750 kcmil)
- Large conductors can be bent away from the rail after installation without the risk of damaging the connector
- The clamp is an active spring applying a consistent force on the conductor ensuring a positive connection through heat cycling and train vibration
- The J-shaped spring member of the connector helps overcoming loosening issues problems associated with harsh train vibration by flexing rather than breaking; a static-type connection doesn't have this resiliency and could crack under prolonged vibration
- Consistent spring pressure prevents moisture and contamination from seeping into the connection
- All copper components are tin plated and steel components are galvanized



Single Conductor Connectors		
Catalog Number	Rail Size & Type	Conductor Size Range
150-1000	150 lb NMC	1000 kcmil
150-2000	150 lb NMC	2000 kcmil
Two Conductor Connectors		
150-2-500	150 lb NMC	TWO: 250 kcmil - 500 kcmil



150-2-500 Nest Configuration



150-1000 Nest Configuration

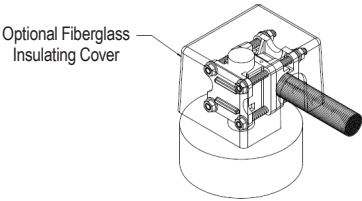
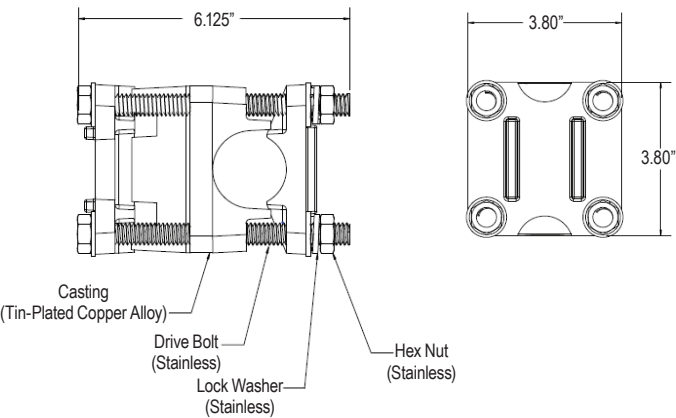
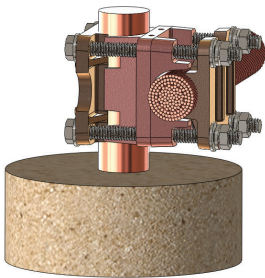
## CPI™ 2000 kcmil Cathode Connector “Pot Head” Connector

CPI Cathode Connector (also know as “Pot Head” connector is designed to connect a single 2000 kcmil conductor from the main feeder directly to the Third Rail. Used in conjunction with the CPI Contact Rail Clamp, a Pot Head connector can replace the need for having 4 separate 500 kcmil connections with one single 2000 kcmil connection.

### Features and Benefits

- Constructed of high conductivity copper
- The assembly comes standard with a tin-plated finish (image shows unplated)
- Incorporates the use of stainless steel hardware for increased strength and corrosion resistance
- Optional molded fiberglass cover is also available
- Simple 4-bolt installation
- Eliminates the need for any welding
- Recommended for use with the CPI 2000 kcmil Contact Rail Connector

Catalog Number	Description
22000	2000 kcmil Cathode Connector
750336	Fiberglass Insulated Cover



## CPI™ Single Cable Support Spring Rail Clips

### Support for Signal Cables Near Rail

CPI Support Spring Rail Clips are designed to support and hold a variety of Signal cables or conductors in close proximity to the rail.

### Features and Benefits

- Tempered spring steel wire construction
- All components are plated or galvanized to resist corrosion
- Quick and easy to install
- Removable and reusable
- Available in different configurations to accommodate different size rails and multiple conductor combinations

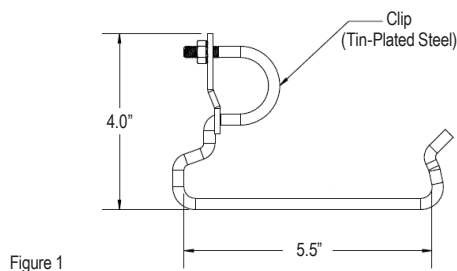
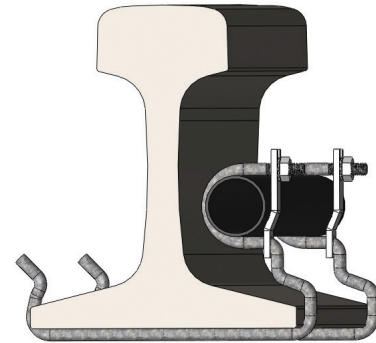


Figure 1

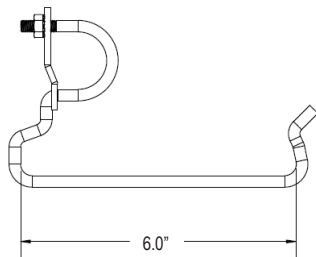


Figure 2

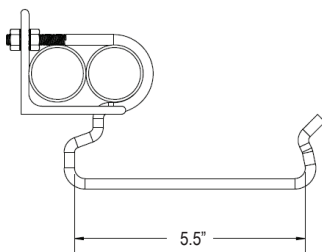


Figure 3

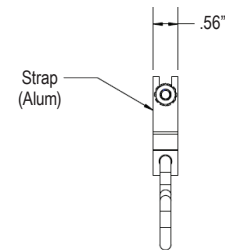


Figure 4

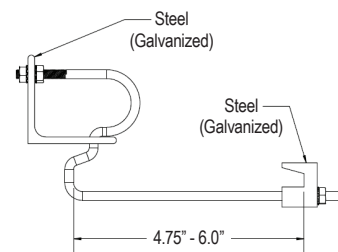
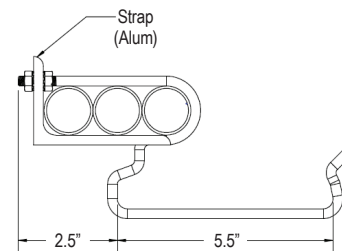


Figure 5

Catalog Number	Figure	Rail Size & Type	Cable O.D. & Capacity
115-250	1	115 lb AREA	1.25" x 1
140-375	2	140 lb AREA	1.375" x 1
115-250-2S	3	115 lb AREA	1.095" x 2 - 1.365" x 2
115-250-3	4	115 lb AREA	1.302" x 3
100-ARA-B-250-2	5	100 ARA-B	1.095" x 2 - 1.365" x 2

#### Options:

Add Suffix "N" to specify a stainless steel nylon insert nut.  
(Standard is Zinc-plated kept nuts.)

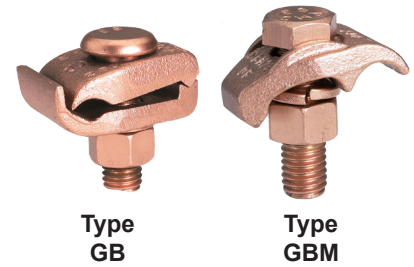
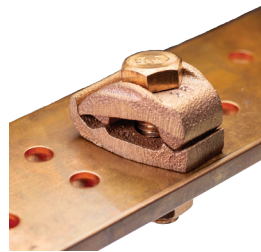
# Mechanical Grounding

Types GB, GBM for Copper Cable to Bar;  
Types GC, GCM for Two Copper Cables to Bar

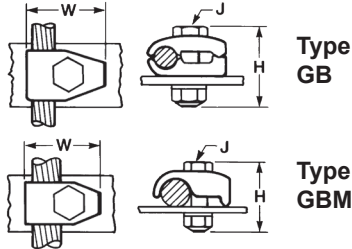
## Types GB, GBM

### 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 DURIUM™ 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



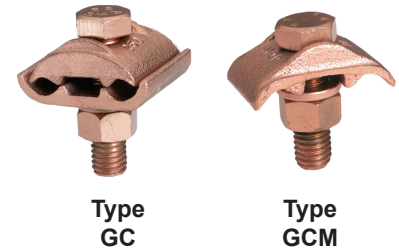
Catalog Number		Cable	H Type GB / GBL	H Type GBM	J	W Type GB/ GBL	W Type GBM	Rec. Torque
Type GB	Type GBM							
GB4C	GBM4C	8 AWG-4 AWG	1-1/2	1-1/2	3/8	1-1/4	1-1/4	240
GB26	GBM26	4 AWG-2/0 AWG	2	1-1/2	3/8	1-1/2	1-1/2	240
GBL30 ①	—	4 AWG-300 kcmil	2	—	1/2	1-7/8	—	480
GB29	GBM29	2/0 AWG-250 kcmil	2	2	1/2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

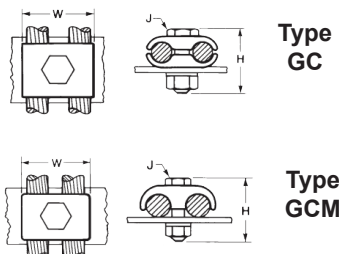
## Types GC, GCM

### 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 DURIUM™ 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



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.

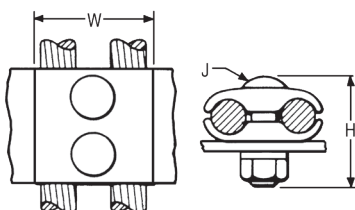
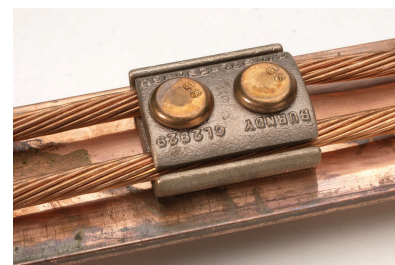
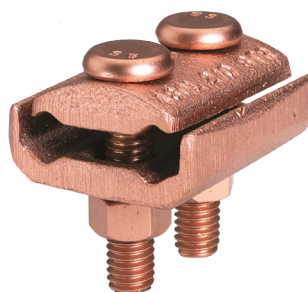


## Type GL

### 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



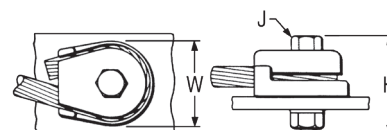
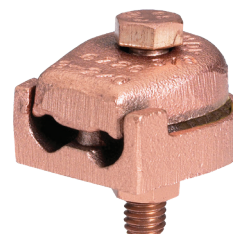
Catalog Number	Conductor	H	J	W
GL4C4C	8 AWG-4 AWG	1-1/2	3/8	1-3/8
GL2626	4 AWG-2/0 AWG	2	3/8	1-3/4
GL2929	2/0 AWG-250 kcmil	2-1/4	1/2	2-1/4
GL3434	300 kcmil-500 kcmil	2-7/8	1/2	2-7/8

## Type GZ

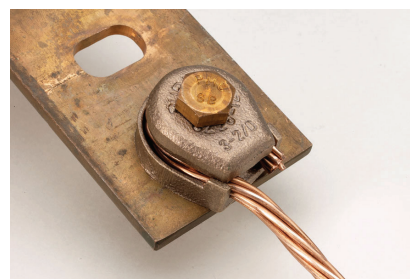
### Ground Connector for Copper Cable to Bar

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:

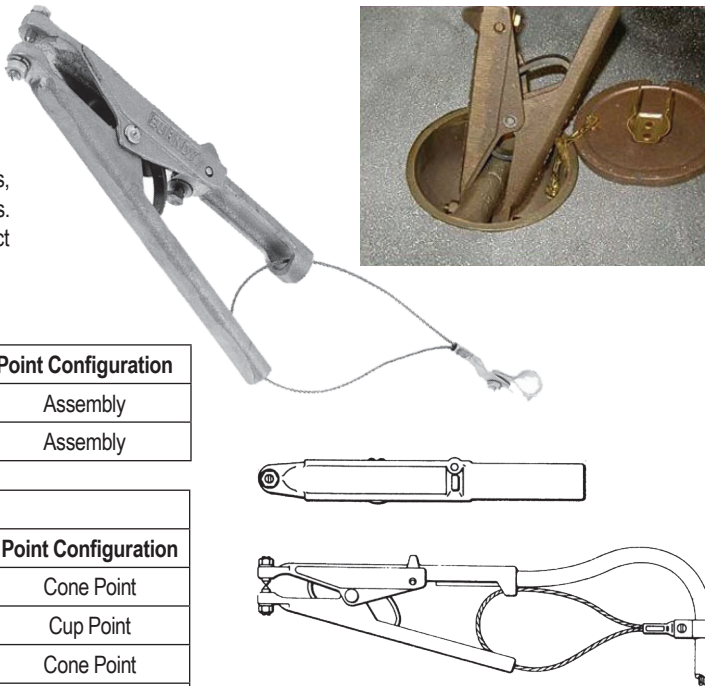
The **GB**, **GBM**, **GC**, **GCM**, **GL** and **GZ** are all used for joining a range of cable to bar. The catalog numbers in each table accommodate the indicated cable range and up to 1/4" thick bar. Optional bolt lengths are available to accommodate up to 1" thick bar. For bar thicknesses from 1/4"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

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

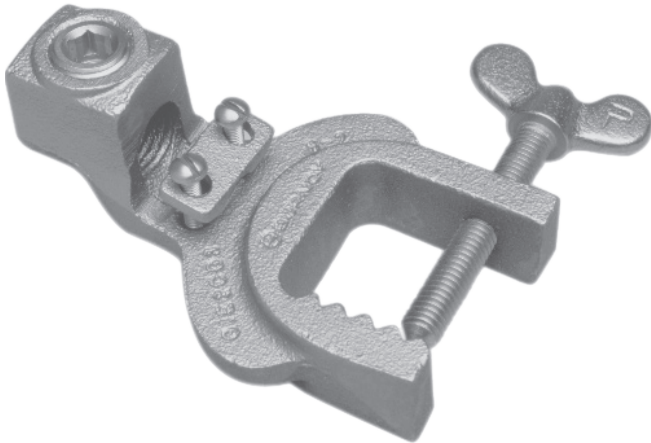
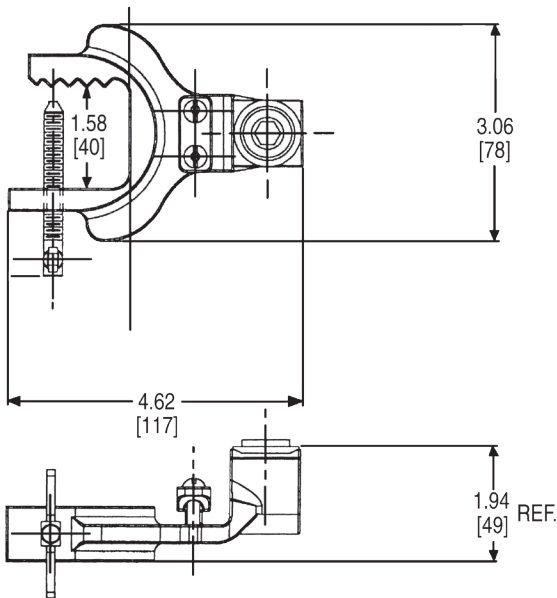
Replacement Tips Only			
Catalog Number	Description	Material	Point Configuration
GIE4CG3P5	Beryllium Copper CONE Point Only	Beryllium Copper	Cone Point
GIE4CG3P7	Beryllium Copper CUP Point Only	Beryllium Copper	Cup Point
GIE4CG4P5	Stainless Steel CONE Point Only	Stainless Steel	Cone Point
GIE4CG4P7	Stainless 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.)
<b>BSD20100</b>	100 feet (Open Reel Design)	1	20
<b>BSD2050</b>	50 feet	1	12
<b>BSD2050N</b>	50 feet (Nylon Covered)	1	12
<b>BSD2050Y</b>	35 feet plus 15 feet of "Y"	2	13

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

# Mechanical Grounding

Type BSDCCEE Static Discharge "C" Clamp  
Type GCB63T13G1 The STUDBUG™

## 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



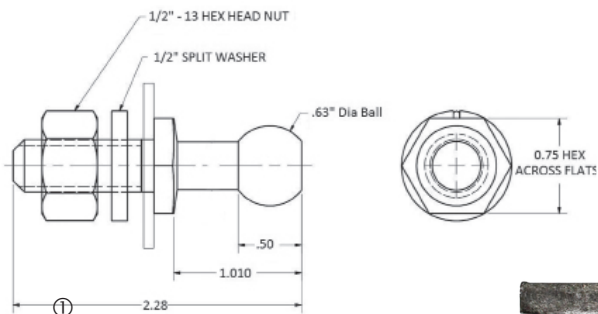
## Type GCB63T13G1 STUDBUG™ for Static Grounding Applications

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.





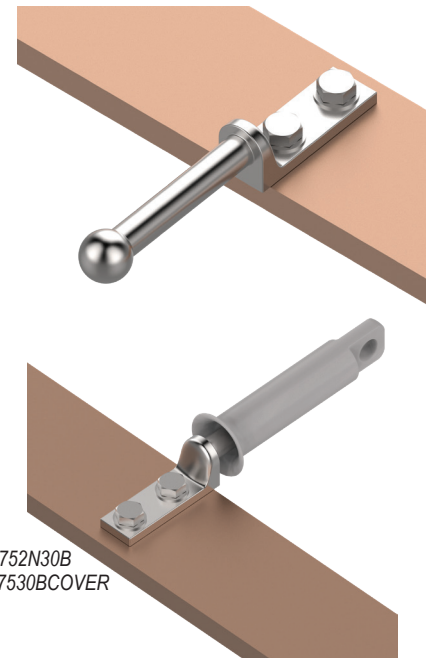
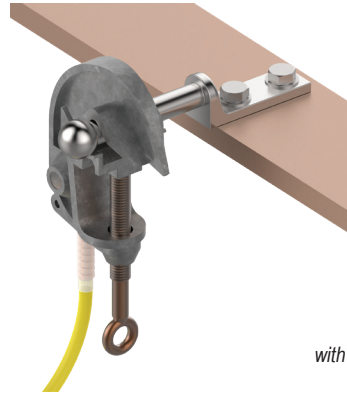
## Type GSC75

### 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.

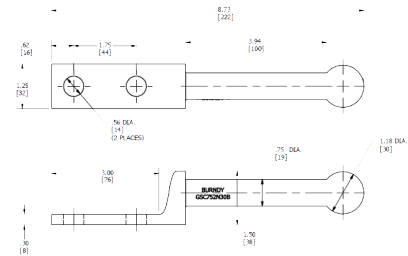
### Features & Benefits

- 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
- GSC752N30B5H is 5H Tested and Rated with third party laboratory test results available



GSC752N30B  
with GSC7530BCOVER

Catalog Number	Description	Hole Information	Pad Angle	Ball Diameter	Rating
GSC752N30B5H	Ground Stud (Straight)	1/2" holes with 1.75" spacing	straight	30 mm (1.18")	Grade 5H
GSC752N30B	Ground Stud (Straight)		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 GSC63 series and optional orange thermoplastic elastomer cover provide for safe maintenance of equipment for optimal uptime.

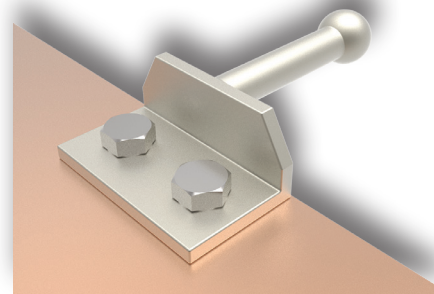
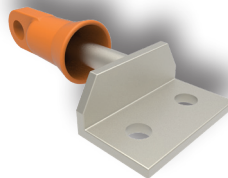
### Features & Benefits

#### Stud

- 90° offset pad
- NEMA Spacing
- Cast Copper Alloy
- Tin-plated for corrosion resistance
- GSC632NH25B5H is 5H Tested and Rated with third party laboratory test results available

#### Cover

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



Catalog Number	Description	Hole Spacing	Pad Angle	Ball Diameter	Rating
GSC632NH1B	Ground stud with offset NEMA spacing pad	1.75"	90°	1" (25.4mm)	—
GSC632NH25B5H	Ground stud with offset NEMA spacing pad	1.75"	90°	1" (25.4mm)	Grade 5H
GSC632NH1BCOVER1	Thermoplastic elastomer cover (orange)	Not applicable for cover			—



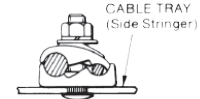
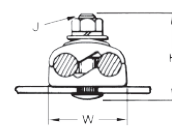
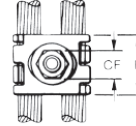
# Mechanical Grounding

## 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 cabletray.

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
GC3434CT	300 kcmil (0.63 Dia.) - 500 kcmil (0.81 Dia.)	2.00	0.75	3.31	1/2	2.48

### Types BTCGC, BTCGC-SS Cu/Al Conductor to Al/Steel Cable Tray\*; Al Solar PV Module Frames/Galvanized Steel Purlin

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†
- BTCGC4SS UL 2703 approved for Solar PV Module Frames up to 1/4" thick

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

\*BTCGC250 and BTCGC250SS are not UL Listed to steel cable tray.

†BTCGC250 does not have grounding green hardware

## Type GXP1828RF SUPER-CLAMP™

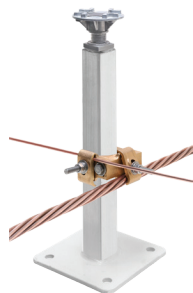
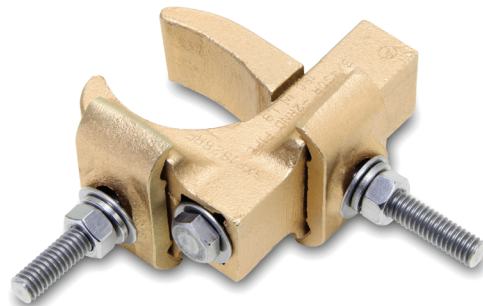
Raised Floor / Rebar / Fence Post Ground Connector

Raised Floor Pedestal / Rebar / Fence Post 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 / fence post 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.

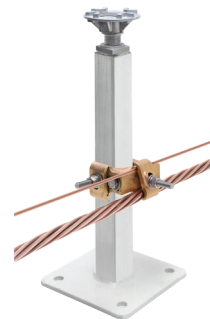
The high copper alloy body ensures excellent conductivity and the hardware is made of stainless steel. The connector is rated for Direct Burial in earth or concrete and UL467 Listed for the US and Canadian Markets. The versatility of the connector makes it an excellent choice for applications requiring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

### Features & Benefits

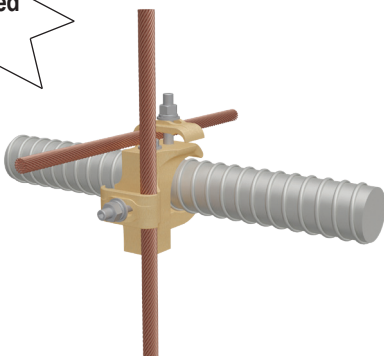
- Fits a wide range of raised floor pedestals / fence posts, from 3/4" to 2" (7/8" to 2" round; 3/4" to 1-1/2" square)
- Accepts a wide range of wire sizes, #6 solid to 4/0 stranded
- Can be used for rebar sizes ranged from #7 to #12 size (7/8" to 1-1/2" dia.)
- Accommodates parallel wires or cross grid 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



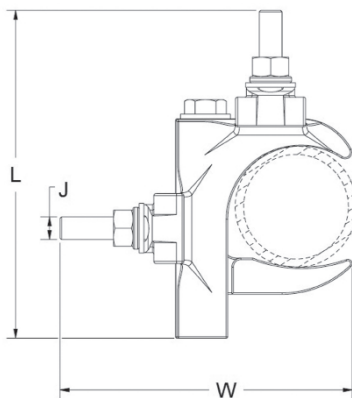
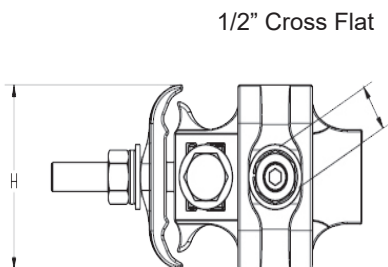
**Cross Grid Configuration**



**Parallel Configuration**



**Rebar Connection**



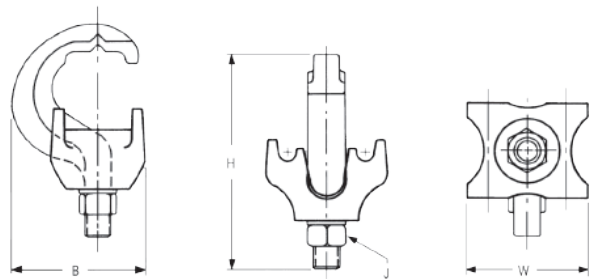
Catalog Number	Copper Conductor Range (Concentric & Compact Stranded 19 Str. Max)	Pedestal / Fence Post Range	Rebar	Reference Dimensions				Recommended Tightening Torque (in-lb.)	
				L	W	H	J	Conductor Saddle (Nut)	Pedestal Clamp or Rebar (Bolt)
GXP1828RF	6 AWG - 4/0 AWG	Round: 7/8" - 2" Square: 3/4" - 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

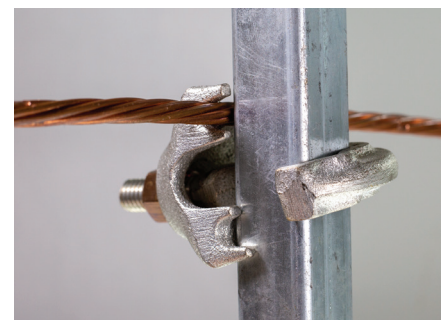
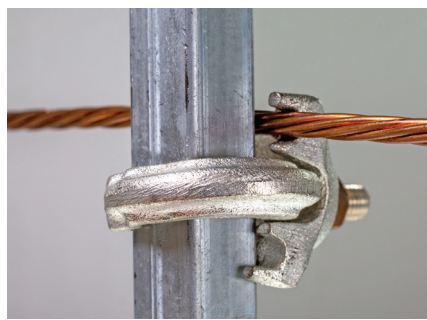
The BURNDY® UNIGROUND™ is a universal grounding clamp, specifically designed for all raised flooring systems. It can be installed on round or square pedestals and can accommodate one or two grounding wires to make an efficient grid. The underfloor signal reference grid provides the low impedance ground 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



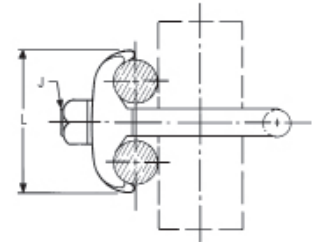
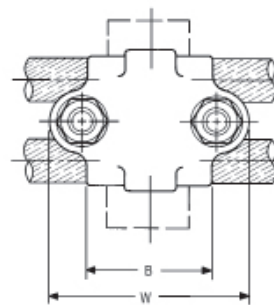
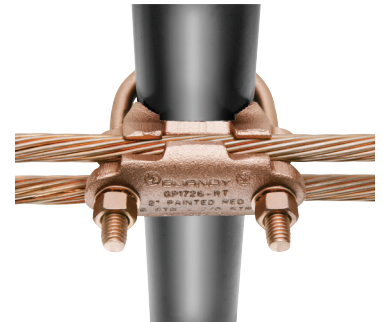
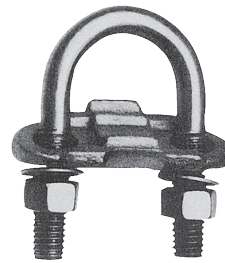
## Types GP-G1, GP-RT Raised Floor Grounding Clamps

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
- DURIUM™ 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

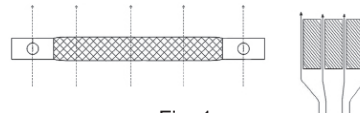


Fig. 1  
Conventional current have maximum cooling effect with Braid in vertical position.

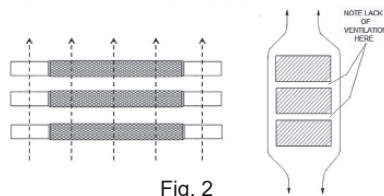
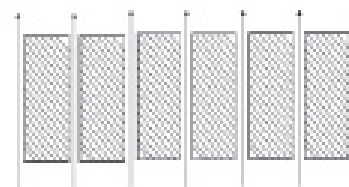
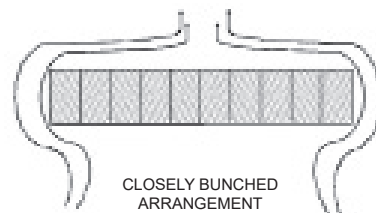


Fig. 2  
Ventilation less efficient with Braid in horizontal position



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

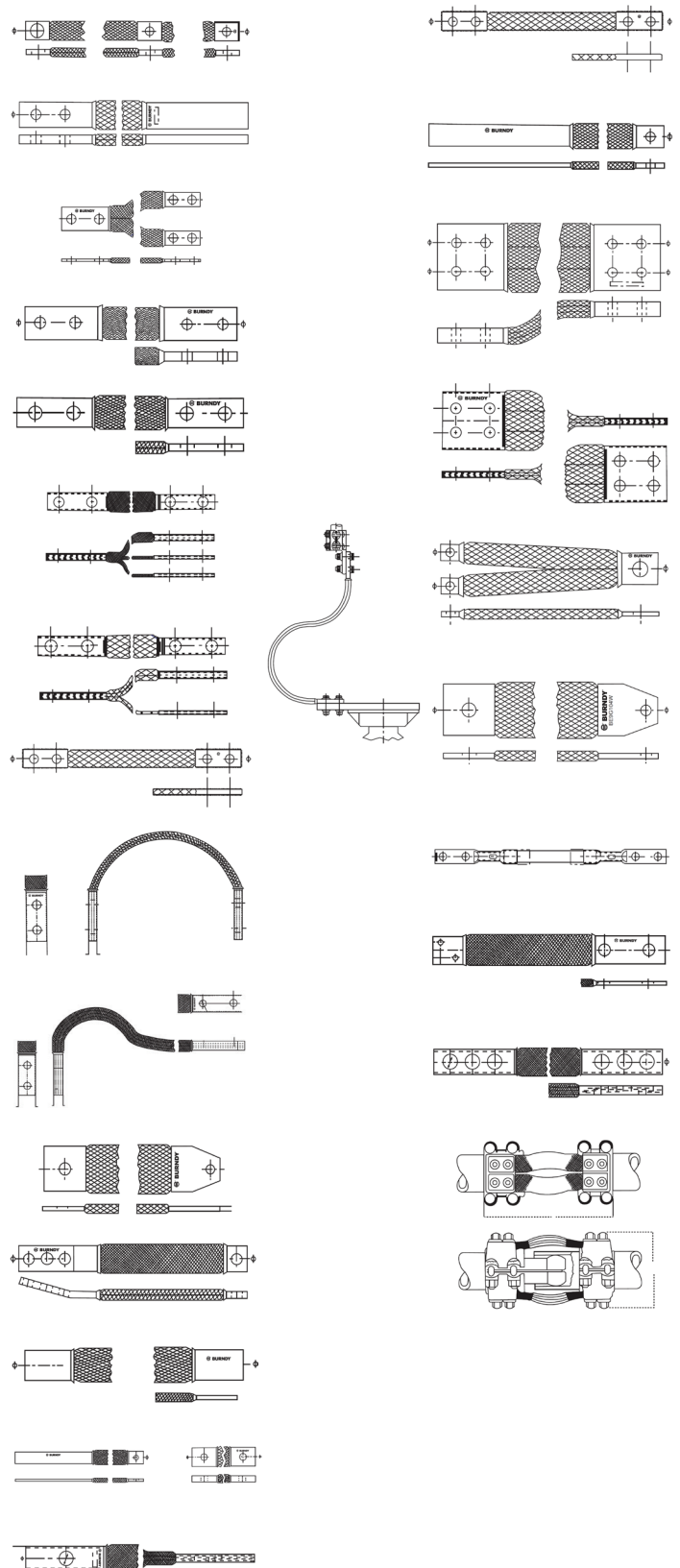
### Combined Braid Assemblies

### Combined connector - Braid Assemblies

### Ferrule Variations

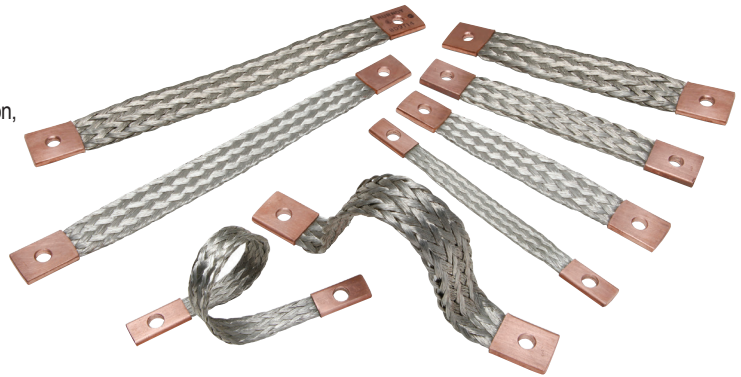
- \* Belled/unbelled
- \* Width/thickness
- \* Contact length
- \* Special shaping
- \* Bent at angle°

### 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

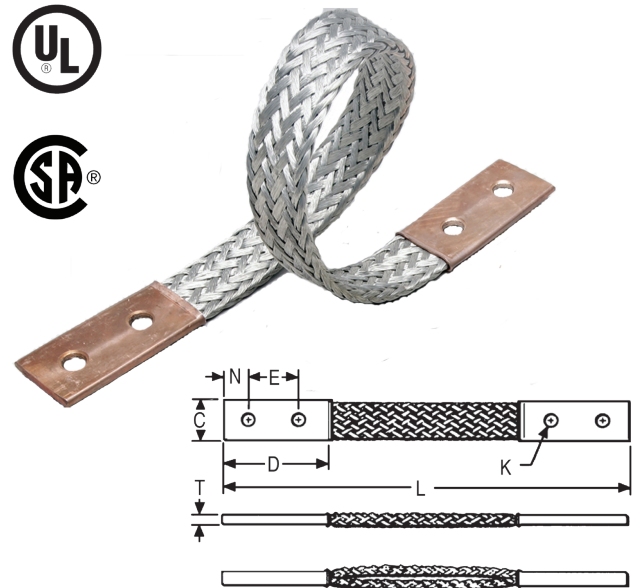
Flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices.

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-ML-TN 1-Hole Ferrule End

One-hole extra flexible grounding and bonding braids are designed of flat tinned copper braid with a seamless tin-plated copper ferrule. Each ferrule is pressed into a solid mass to prevent moisture build up inside the connection to help mitigate corrosion issues seen in typical wire and lug jumpers. Additionally, the seamless copper ferrule end prevents fraying and provides extra strength for a robust bonding connection. Burndy one-hole grounding and bonding braids are a convenient solution for a long-lasting connection and are ideal in applications that require flexibility or resistance to vibration.

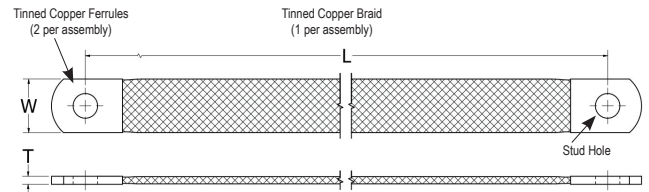


### Features & Benefits

- cULus Listed to UL 467 and CSA22.2 N0. 41 for grounding and bonding
  - Electro-tinned copper braids and ferrules for superior corrosion resistance
  - Pressed seamless copper ferrules for added durability at the connection point
  - Extra fine stranding provides enhanced flexibility
  - Convenient single bolt installation
  - Ready to install out of the box, no cutting or crimping required
  - Ferrules clearly marked with BURNDY braid type and UL markings
  - Available in custom lengths and holes sizes to suit all applications\*
- \* Contact your local sales representative for custom lengths or hole sizes

Catalog Number	Braid Size			Dimensions (inches)			
	Approx. AWG	kcmil	Metric	W	T	Stud Size	L
BB019ML6T14TN	8	19	10mm <sup>2</sup>	0.39	0.08	1/4	6
BB019ML9T14TN							9
BB019ML12T14TN							12
BB019ML18T14TN							18
BB019ML24T14TN							24
BB031ML6T14TN	6	31	16mm <sup>2</sup>	0.59	0.09	1/4	6
BB031ML9T14TN							9
BB031ML12T14TN							12
BB031ML18T14TN							18
BB031ML24T14TN							24
BB031ML6T38TN	6	31	16mm <sup>2</sup>	0.59	0.09	3/8	6
BB031ML9T38TN							9
BB031ML12T38TN							12
BB031ML18T38TN							18
BB031ML24T38TN							24
BB049ML6T14TN	4	49	25mm <sup>2</sup>	0.91	0.13	1/4	6
BB049ML9T14TN							9
BB049ML12T14TN							12
BB049ML18T14TN							18
BB049ML24T14TN							24

See next page for additional standard sizes



For applications that require a flexible braid that is not listed in the catalog use the convention below:

**BB099M L12 T38 TN**  
1 2 3 4

1. Braid size, refer to **Table 1**.
2. Braid length, in inches (Dimension L); for lengths that require a decimal place use "D" in place of the decimal (ex. 12D50 = 12.5 inches).
3. Stud Size, refer to **Table 2**.
4. Plating type, refer to **Table 3**.

Braid Size Identifier	Cross Section		
	Approx. AWG	kcmil	mm <sup>2</sup>
BB019M	8	19	10
BB031M	6	31	16
BB049M	4	45	25
BB059M	3	59	30
BB069M	2	69	35
BB099M	1	99	50
BB139M	2/0	139	70
BB197M	3/0	197	100

Table 1

Plating Identifier	Plating Type
TN	Electro-Tin
W	Tin Dip
NK	Nickel
SV	Silver

Table 3

Stud Size Identifier	Stud Size
T10	#10
T14	1/4"
T516	5/16"
T38	3/8"
T716	7/16"
T12	1/2"
T58	5/8"
T34	3/4"

Table 2

To order a custom braid please contact your local sales representative



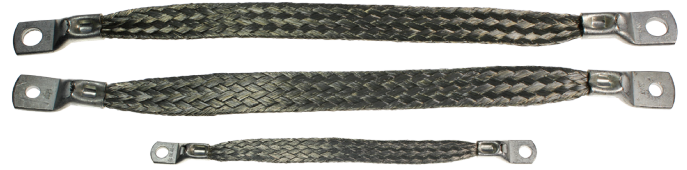
## Type BB-ML-TN (Continued)



Catalog Number	Braid Size			Dimensions (inches)			
	Approx. AWG	kcmil	Metric	W	T	Stud Size	L
BB049ML6T38TN	4	49	25mm <sup>2</sup>	0.91	0.13	3/8	6
BB049ML9T38TN							9
BB049ML12T38TN							12
BB049ML18T38TN							18
BB049ML24T38TN							24
BB059ML6T38TN	3	59	30mm <sup>2</sup>	0.91	0.13	3/8	6
BB059ML9T38TN							9
BB059ML12T38TN							12
BB059ML18T38TN							18
BB059ML24T38TN							24
BB069ML6T38TN	2	69	35mm <sup>2</sup>	0.91	0.13	3/8	6
BB069ML9T38TN							9
BB069ML12T38TN							12
BB069ML18T38TN							18
BB069ML24T38TN							24
BB099ML6T38TN	1	99	50mm <sup>2</sup>	1.10	0.14	3/8	6
BB099ML9T38TN							9
BB099ML12T38TN							12
BB099ML18T38TN							18
BB099ML24T38TN							24
BB099ML9T12TN	1	99	50mm <sup>2</sup>	1.10	0.14	1/2	9
BB099ML12T12TN							12
BB099ML18T12TN							18
BB099ML24T12TN							24
BB139ML12T38TN	2/0	139	70mm <sup>2</sup>	1.18	0.16	3/8	12
BB139ML18T38TN							18
BB139ML24T38TN							24
BB139ML12T12TN	2/0	139	70mm <sup>2</sup>	1.18	0.16	1/2	12
BB139ML18T12TN							18
BB139ML24T12TN							24
BB197ML12T38TN	3/0	197	100mm <sup>2</sup>	1.57	0.19	3/8	12
BB197ML18T38TN							18
BB197ML24T38TN							24
BB197ML12T12TN	3/0	197	100mm <sup>2</sup>	1.57	0.19	1/2	12
BB197ML18T12TN							18
BB197ML24T12TN							24

## 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

# Mechanical Grounding

## Covered Flexible Copper Braid Jumper Types CCY, B-B

### Types CCY, B-B Covered Jumpers

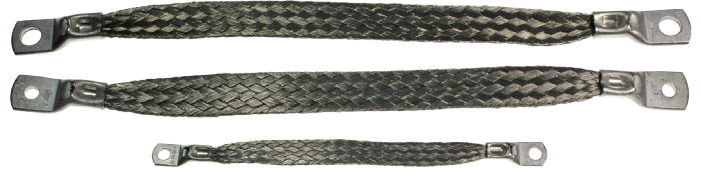
Insulated flexible copper braid jumpers designed to take up linear expansion and contraction, compensate for misalignment and absorb vibratory movement of electrical equipment and devices. Made of extra flexible tinned pure copper braid with high quality BURNDY tin plated connectors or ferrules on each 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 tin plated 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

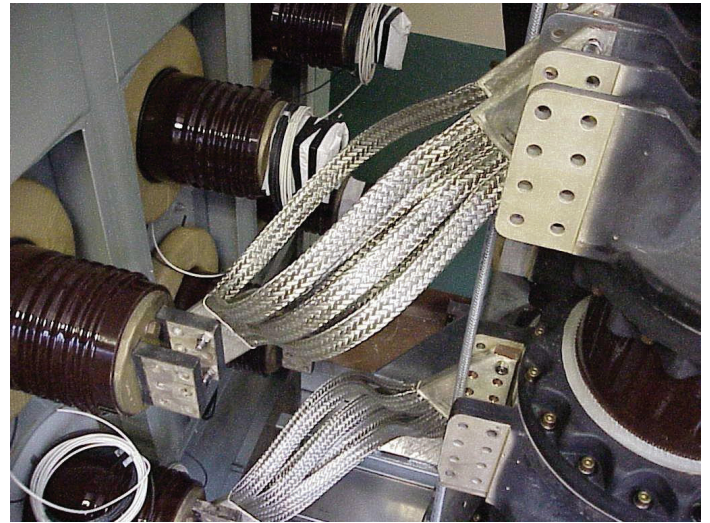
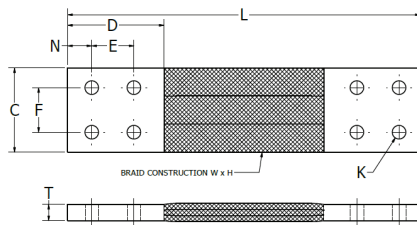
\* Add TN to the end of catalog number for tin plated ferrules



## 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 <sup>2</sup>	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.

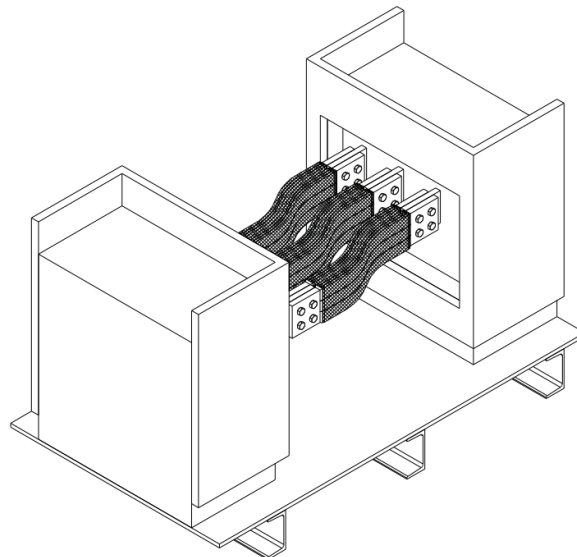
## Type B-4N (Continued)

Catalog Number	L	C	D	E	F	K	T	N	Braid Construction (W X H)	Cross Sectional Area		Approx. Ampere Rating *		
										kcmil	mm <sup>2</sup>	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

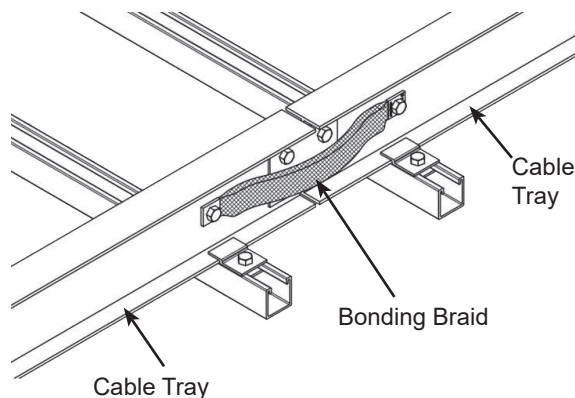
All shown have pad drilled per 4-hole NEMA standard. Other lengths, pad sizes, hole patterns and finishes are available. Please contact the factory for details.



## 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.

# Mechanical Grounding

## Type BGRK Grounding Kits Features & Benefits; Contents Options

### Type BGRK Grounding Kits

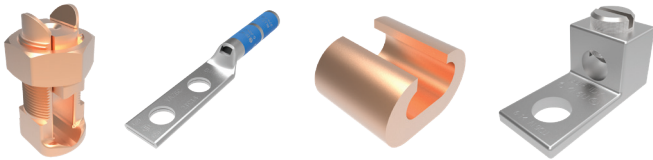
BURNDY Grounding kits offer conveniently packaged components which simplify the decision making process at material acquisition and installation on the job site. These grounding kits bundle the same quality UL Listed connectors you trust with value-adding components such as: conductor, installation hardware, 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)



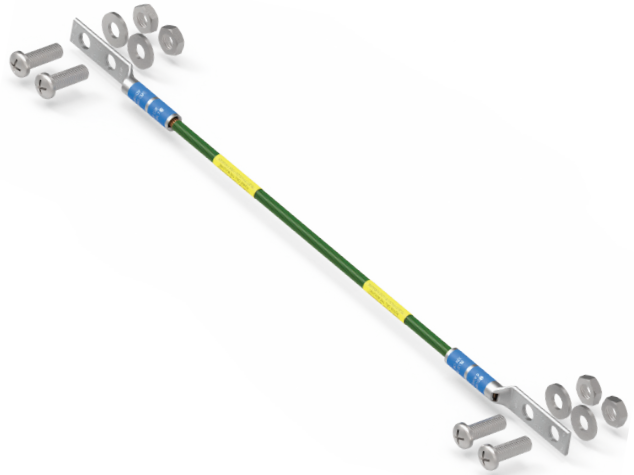
Hardware (Installation Hardware, Cable Ties, ESD Port Kit)



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:
BGRKTVK	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: **BGRKTVK**

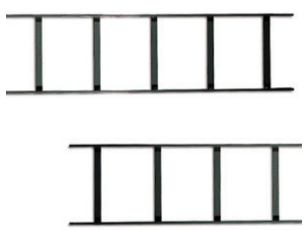




Mechanical Grounding

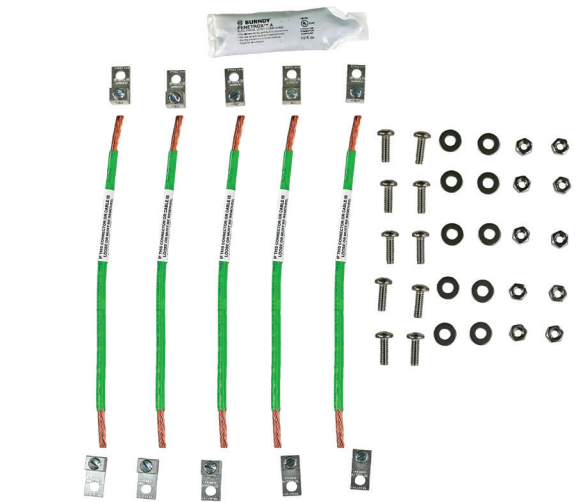
Type BGRK Grounding Kits  
Ladder / Tray Grounding Kits / Wire Basket Tray Bonding Jumper Kit

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

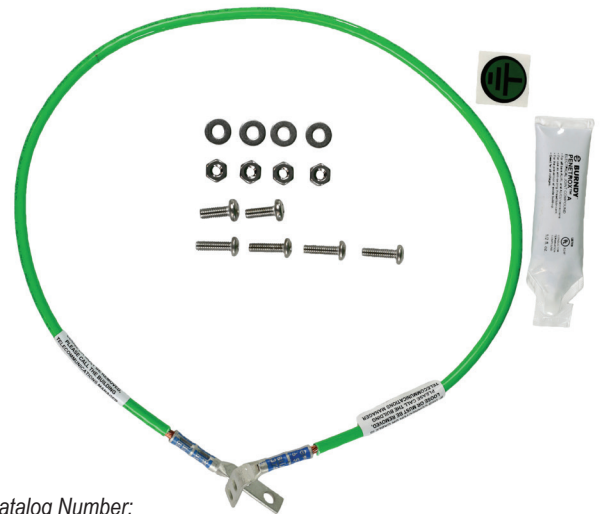
(Continued)

### Ground Conductor / Jumper Kits

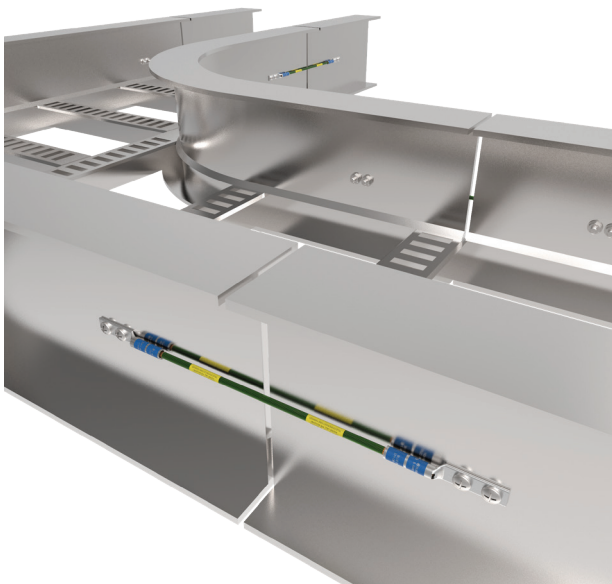
Catalog Number	Contents:
<b>BGRKTD9D</b>	9" #6 AWG THHN wire, green PVC coated
	YAZ6C2TC14 HYDENT™ terminals precrimped to each end of conductor
	Ground Kit Installation Hardware
	Caution and Grounding labels
	0.5 oz. PENETROX™ A oxide inhibitor
<b>BGRKTD30DN</b>	30" #6 AWG THHN wire, green PVC coated
	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
	0.5 oz. PENETROX™ A oxide inhibitor
<b>BGRKTD60C46</b>	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**

# Mechanical Grounding

Type BBB  
BURNDY® Copper Bus Bar

## 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. BusBar is used in a variety of applications. Can be used as a common ground point and "power" applications as well.

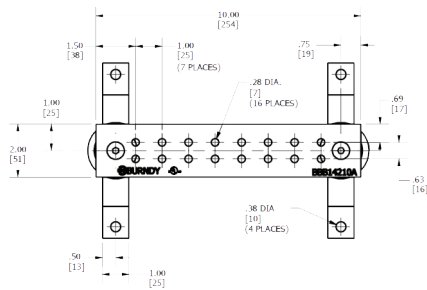
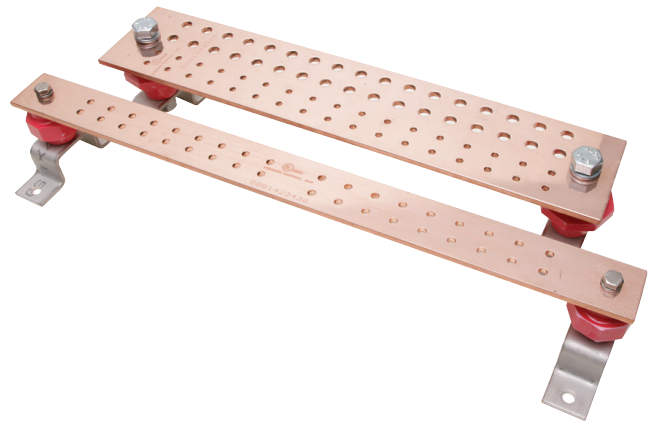


Figure 1

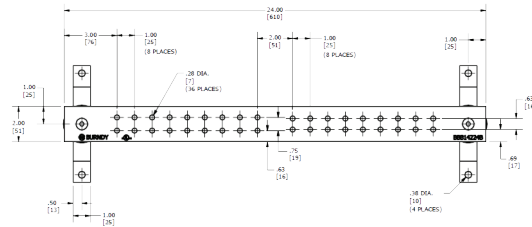


Figure 2

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)

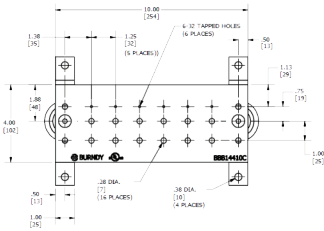


Figure 3

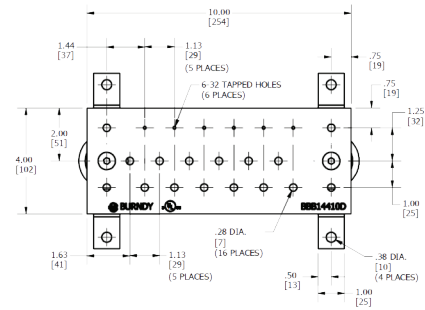


Figure 4

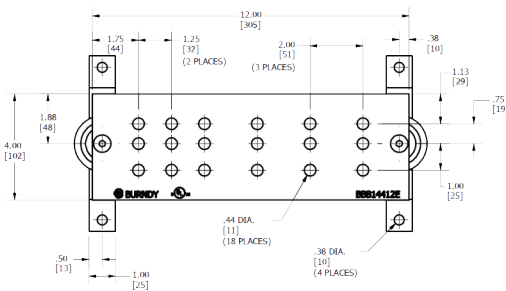


Figure 5

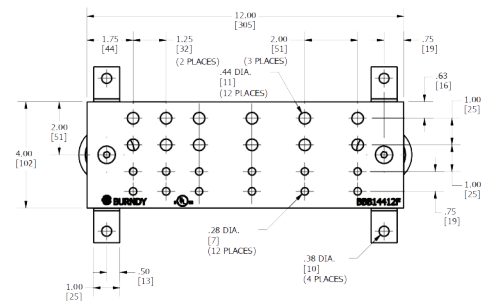


Figure 6

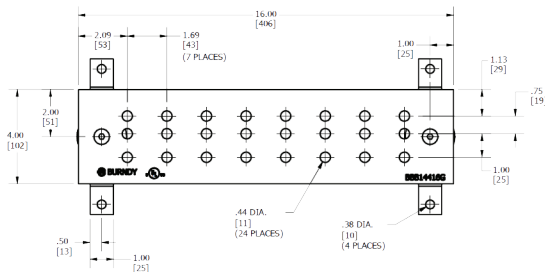


Figure 7

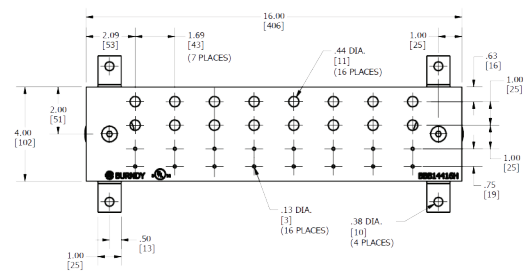


Figure 8

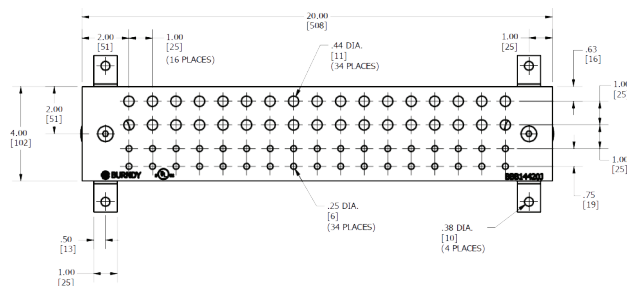


Figure 9

# Mechanical Grounding

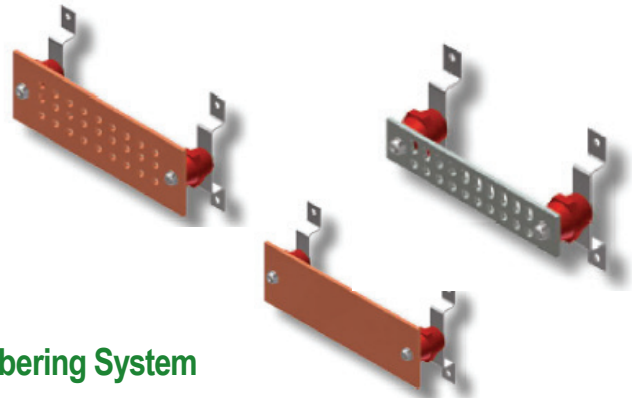
Copper, Tinned Copper and  
Stainless Steel Bus or Ground Bar

## 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.

<b>T</b>	<b>C</b>	<b>B</b>	<b>V</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>J</b>	<b>K</b>	<b>4</b>	<b>T</b>	<b>L</b>	<b>E</b>
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

**Bar Types Codes**  
**CB:** Plain Copper  
**TCB:** Tinned Copper  
**SCB:** Silver Plated Copper  
**SSB:** Stainless Steel  
**GSB:** Galvanized Steel  
 Other materials may be available

**Radius Corners**  
**V:** Radius Corners  
 Blank - Standard Square Corners

**Thickness**  
 Fractional thickness in  
 inches of the bar  
 example: 14 = 1/4"

**Width**  
 Width of bar  
 in inches

**Length**  
 Length of bar in inches

**Hole Pattern**  
 Requested hole pattern  
 Blank if no holes desired

**Pigtail Length**  
 (If req'd)  
 See Chart for  
 Pigtail Cable  
 Length<sup>2</sup>

**Stranding**  
 (If req'd)  
 Blank for Stranded  
 L for Solid

**Tinned Pigtail**  
 (If req'd)  
 Put T here for tinned  
 Blank if not req'd

**Pigtail** (If req'd)  
 See Pigtail Cable  
 Size Chart<sup>1</sup>

### 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)  
**FAA1:** Plexiglass Cover (includes Brackets & Insulators) Main Ground Plate  
**FAA2:** Plexiglass Cover (includes Brackets & Insulators) Supplemental Ground Plate  
**FAA3:** Plexiglass Cover (includes Brackets & Insulators) Multipoint Ground Plate  
**FAA4:** Plexiglass Cover (includes Brackets & Insulators) Single Point Ground Plate  
 Blank for Nothing (Bar ONLY)

**NOTE:** for FAA Ground Plate Options, reference  
 FAA Ground Plate Options page.

<sup>1</sup>Pigtail Cable Size Chart

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

<sup>2</sup>Pigtail Cable Length Chart

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

\*Custom lengths available  
 Contact the factory for more  
 information

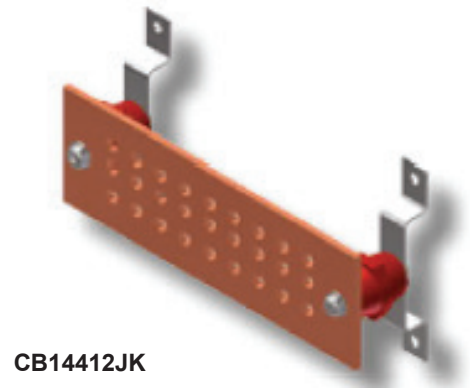


## Types CB, TCB, SSB

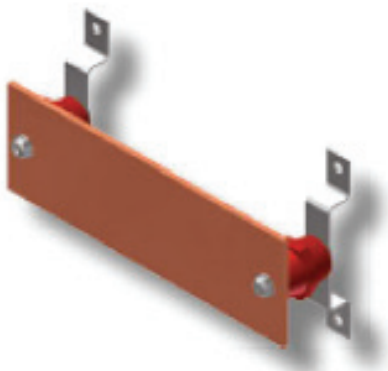
Copper, Tinned Copper, and Stainless Steel  
Bus or Ground Bar



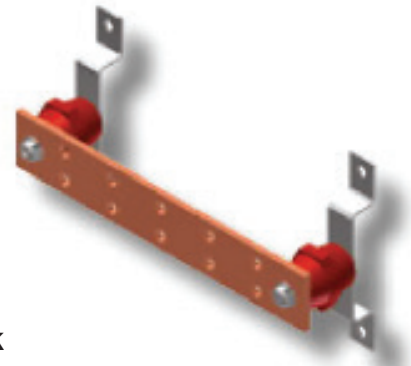
cULus Listed bus or ground bars are available in a wide variety of configurations, hole and slot patterns, unplated copper, tin plated or stainless steel. These bars are available with or without brackets and insulators, a plexiglass cover is also available. For special applications necessitating a non-standard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



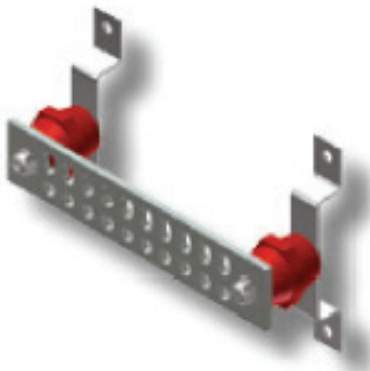
CB14412JK



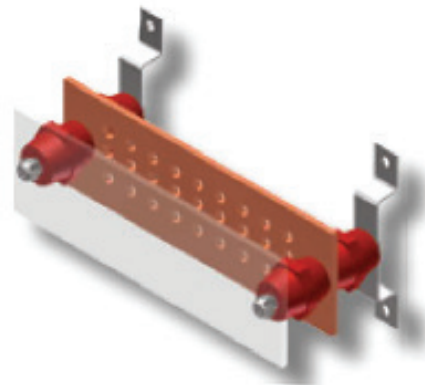
CB14412NK



CB14212BK



TCB14210PK



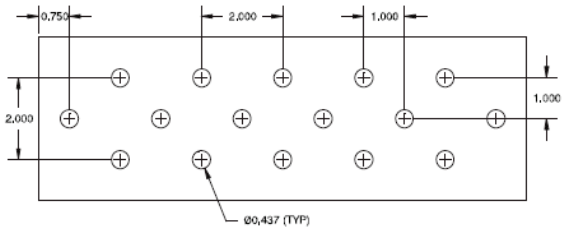
CB14412JP

Catalog Number	Hole Pattern	Insulator & Bracket	Tinned	Bar Size	# of Holes
CB14412JK	J	Yes	No	1/4" x 4" x 12"	27
CB14412M	M	No	No	1/4" x 4" x 12"	48
CB14412MK	M	Yes	No	1/4" x 4" x 12"	48
CB14210P	P	No	No	1/4" x 2" x 10"	26
CB14210PK	P	Yes	No	1/4" x 2" x 10"	26
CB14212P	P	No	No	1/4" x 2" x 12"	26
CB14212PK	P	Yes	No	1/4" x 2" x 12"	26

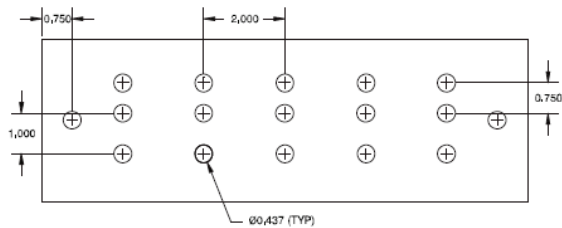
# Mechanical Grounding

Copper, Tinned Copper and  
Stainless Steel Bus or Ground Bar

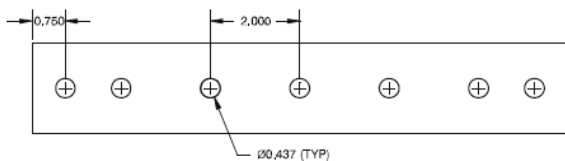
Types CB, TCB, SSB (Continued)



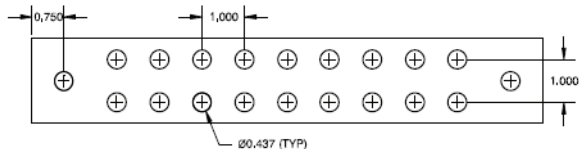
**Pattern A**



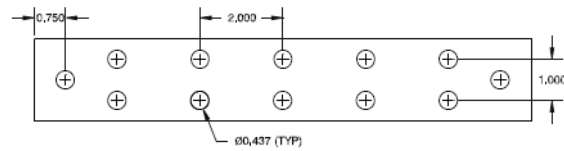
**Pattern C**



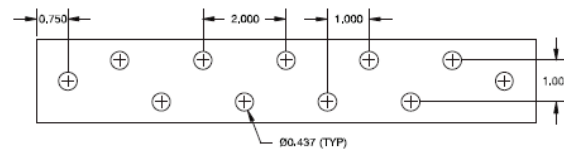
**Pattern E**



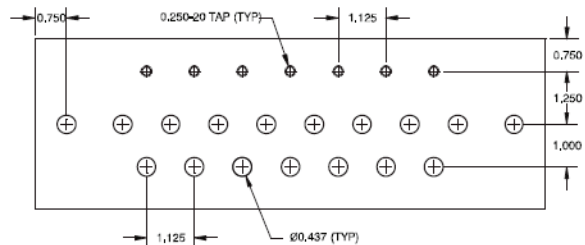
**Pattern G**



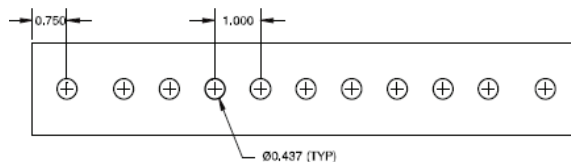
**Pattern B**



**Pattern D**



**Pattern F**



**Pattern H**

## NOTES:

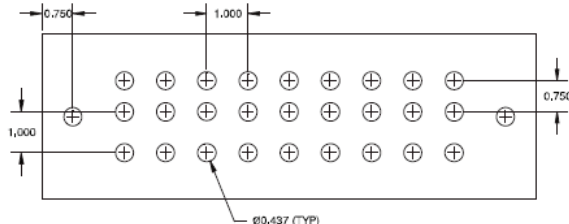
- All holes are 7/16" unless specified differently. To order threaded holes, specify hole size; the standard tapped hole size is 1/4"-20 unless specified otherwise
- Above bar patterns represent a 12" ground bar
- All bars are available with electro-tin plating
- For NEMA hole pattern ground bars, reference NEMA Ground Bar Hole Pattern Y on the following pages

## Type CB (Continued)

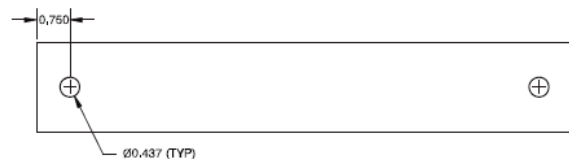


### NOTE:

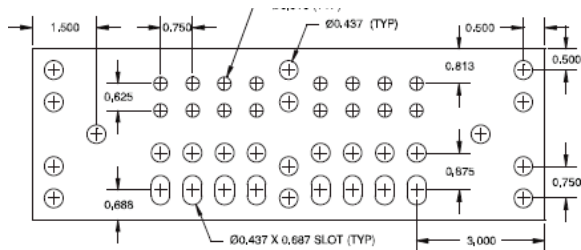
For telecom ground bars - see Pattern S (next pages)



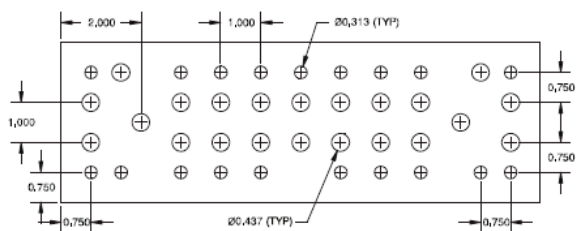
**Pattern J**



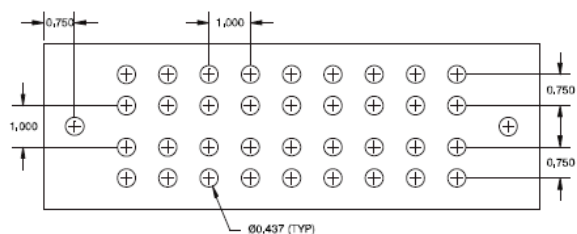
**Pattern N**



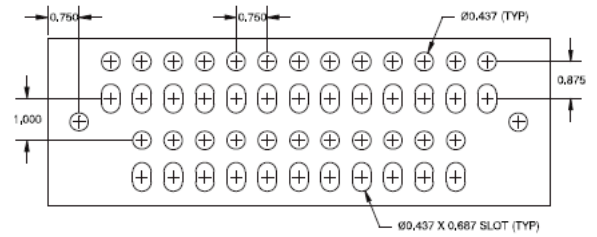
**Pattern Q**



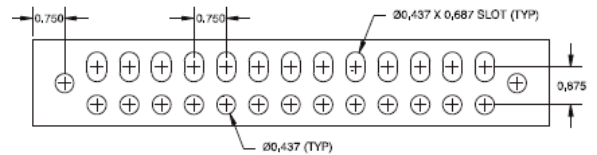
**Pattern T**



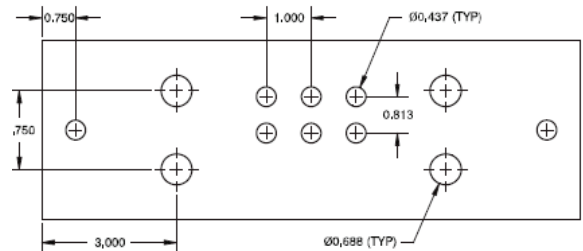
**Pattern W**



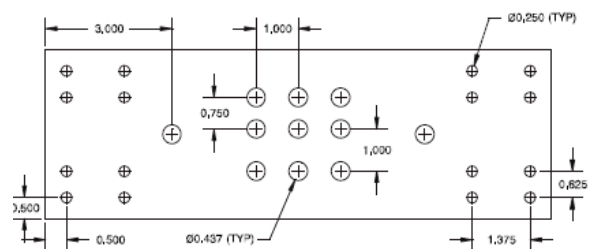
**Pattern M**



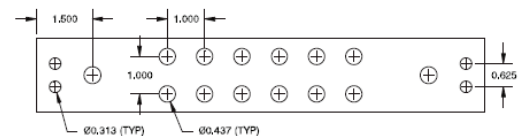
**Pattern P**



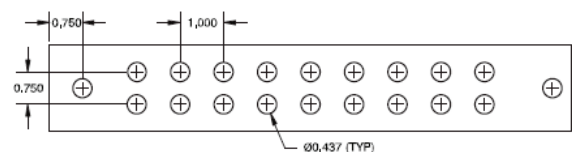
**Pattern R**



**Pattern V**



**Pattern X**



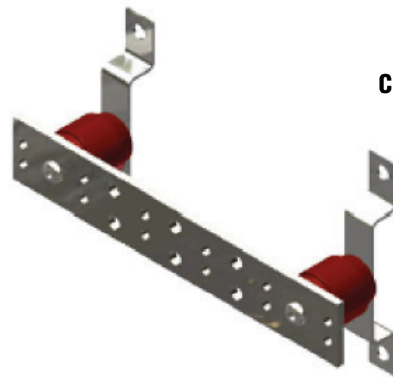
**Pattern Z**

# Mechanical Grounding

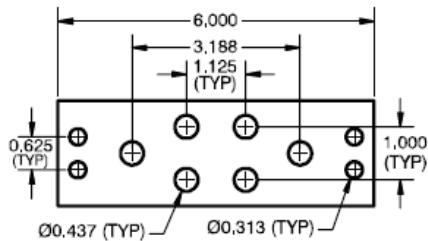
Type CB (Pattern S)  
2" Telecom Bus or Ground Bar

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

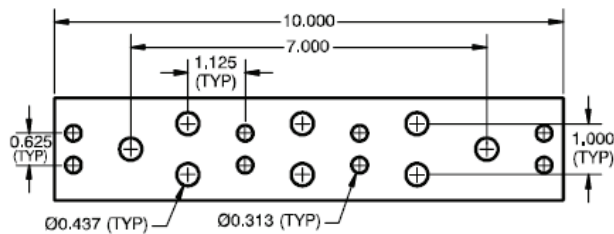
Catalog numbers as shown below are for the BAR ONLY; if you would like the kit (includes brackets and insulators) add K to the end of the catalog number (example shown to the right).



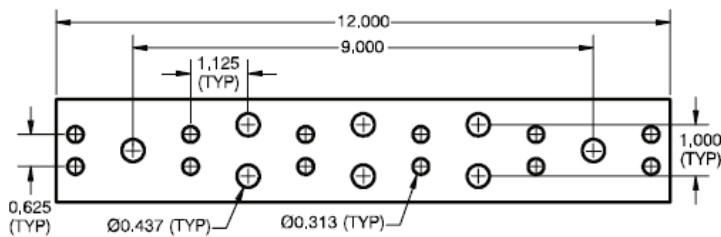
TCB14212SK



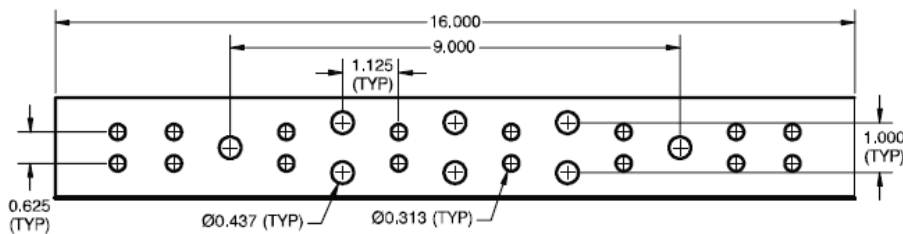
CB1426S



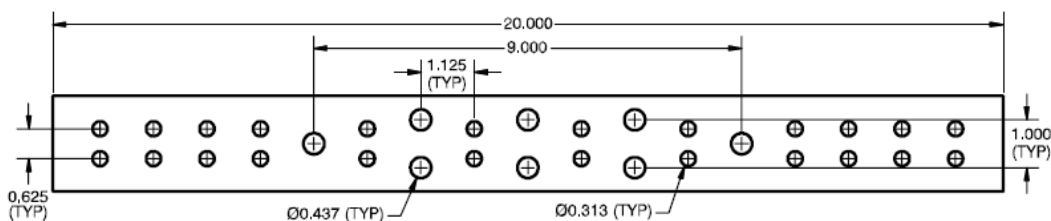
CB14210S



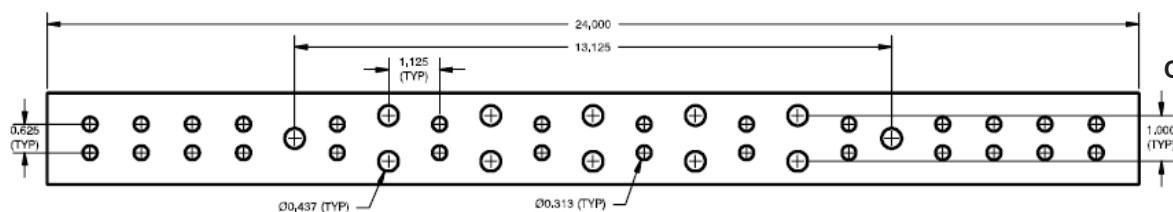
CB14212S



CB14216S



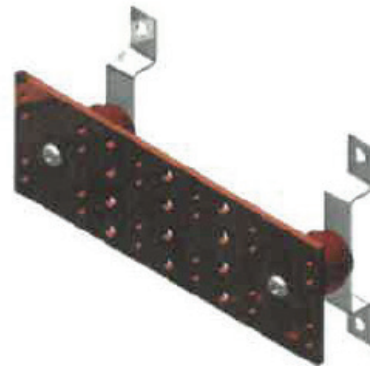
CB14220S



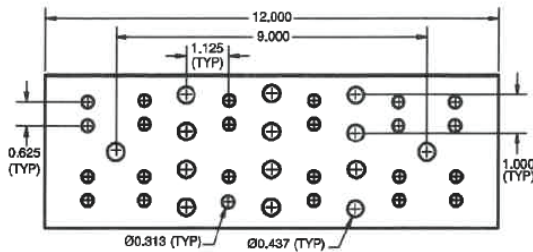
CB14224S

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

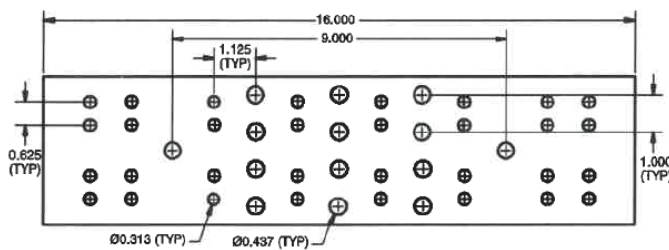
Catalog numbers as shown below are for the BAR ONLY; if you would like the kit (includes brackets and insulators) add K to the end of the catalog number (example shown to the right).



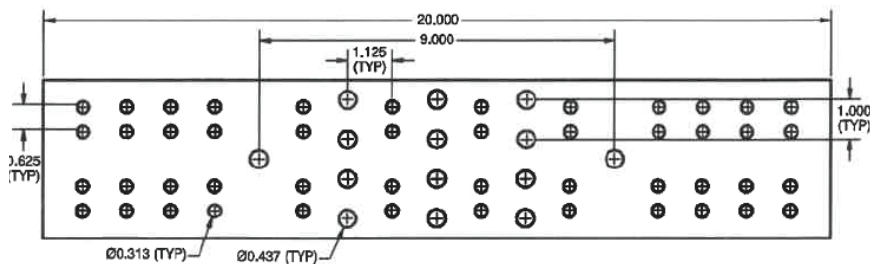
CB14412SK



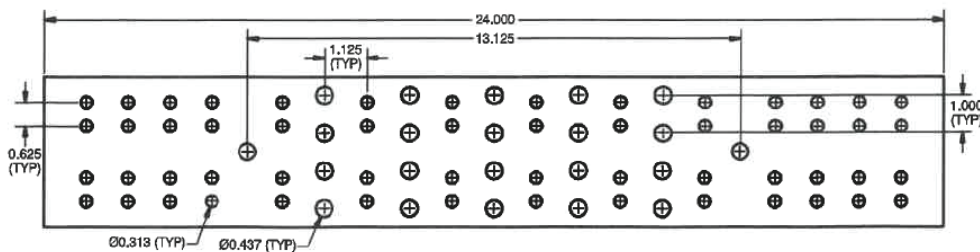
CB14412S



CB14416S



CB14420S

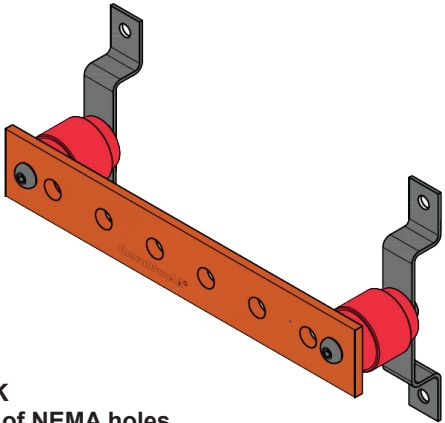


CB14424S

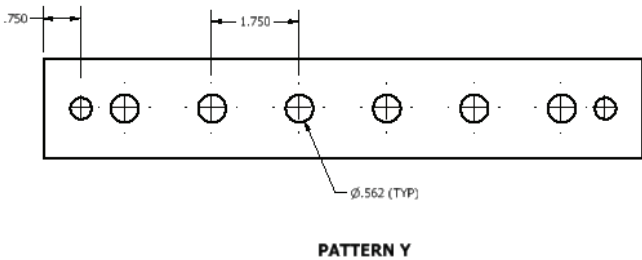


Type CB (Pattern Y)  
NEMA Hole Pattern Bus or Ground Bar

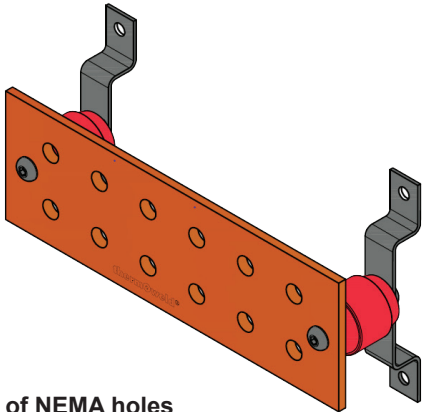
Industry standard hole pattern in accordance with NEMA CC1 Standard. Add suffix "K" for insulators and brackets. Can be used with BURNDY Lugs with NEMA pads.



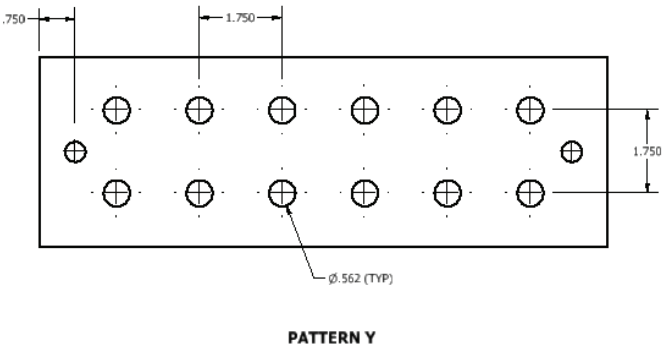
CB14212YK  
Single row of NEMA holes



Single row of NEMA holes



Double row of NEMA holes  
CB14412YK

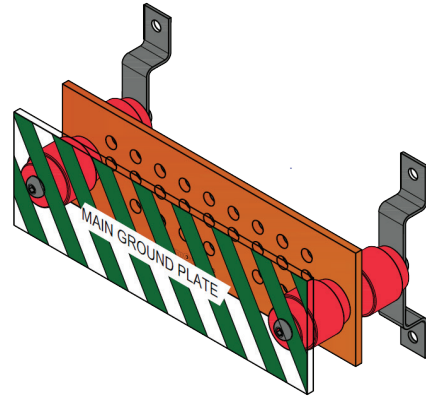


Double row of NEMA holes  
on bars 3" and wider

## Type CB (FAA-Suffix) FAA Ground Plate Options

FAA suffixes (FAA1, FAA2, FAA3, FAA4, etc.) may be used with various sized bars and hole patterns.

FAA Plexiglass Label Configurations are in accordance with the Department of Transportation Federal Aviation Administration Standard FAA-STD-019f.



**FAA1 = MAIN GROUND PLATE\***  
Alternating Green and Clear stripes



**FAA2 = SUPPLEMENTAL GROUND PLATE\***  
Alternating Green and Clear stripes



**FAA3 = MULTIPOINT GROUND PLATE\***  
Alternating Green and Orange stripes



**FAA3 = SINGLE POINT GROUND PLATE\***  
Alternating Green and Yellow stripes

**\*NOTE:** Plexiglass text shall be 3/8" high black lettering in Arial font.

## Type CB (Patterns J and M) Ground Bar



Pattern J				
Catalog Number	Description	Tinned	Bar Size	# of Holes
CB14412J	Bar Only	No	1/4" x 4" x 12"	27
TCB14412J		Yes	1/4" x 4" x 12"	27
CB14412JK	Bar with Insulators & Brackets	No	1/4" x 4" x 12"	27
TCB14412JK		Yes	1/4" x 4" x 12"	27
CB14420J	Bar Only	No	1/4" x 4" x 20"	51
TCB14420J		Yes	1/4" x 4" x 20"	51
CB14420JK	Bar with Insulators & Brackets	No	1/4" x 4" x 20"	51
TCB14420JK		Yes	1/4" x 4" x 20"	51
CB14424J	Bar Only	No	1/4" x 4" x 24"	63
TCB14424J		Yes	1/4" x 4" x 24"	63
CB14424JK	Bar with Insulators & Brackets	No	1/4" x 4" x 24"	63
TCB14424JK		Yes	1/4" x 4" x 24"	63

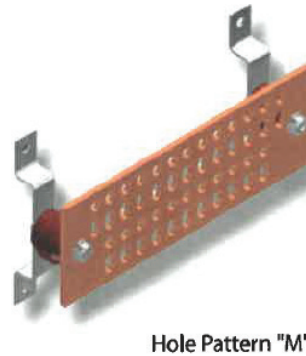
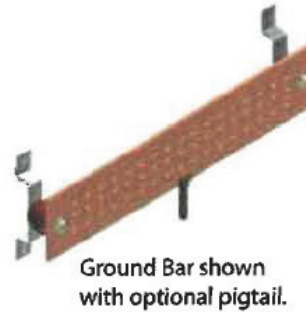
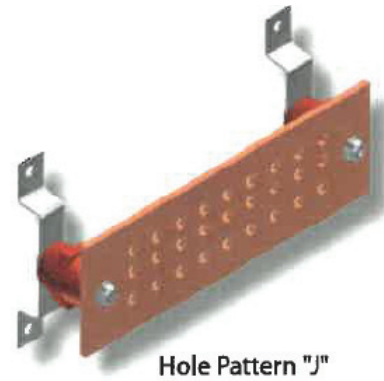
### NOTES:

- 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
CB14412M	Bar Only	No	1/4" x 4" x 12"	48
TCB14412M		Yes	1/4" x 4" x 12"	48
CB14412MK	Bar with Insulators & Brackets	No	1/4" x 4" x 12"	48
TCB14412MK		Yes	1/4" x 4" x 12"	48
CB14420M	Bar Only	No	1/4" x 4" x 20"	88
TCB14420M		Yes	1/4" x 4" x 20"	88
CB14420MK	Bar with Insulators & Brackets	No	1/4" x 4" x 20"	88
TCB14420MK		Yes	1/4" x 4" x 20"	88
CB14424M	Bar Only	No	1/4" x 4" x 24"	112
TCB14424M		Yes	1/4" x 4" x 24"	112
CB14424MK	Bar with Insulators & Brackets	No	1/4" x 4" x 24"	112
TCB14424MK		Yes	1/4" x 4" x 24"	112

### NOTES:

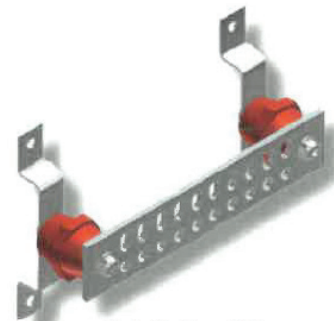
- Mounting holes not included in total
- Accommodates 2-hole lugs spaced 3/4" and 1" on center
- 12" bar pictures; holes are 7/16" diameter, slots are 7/16" x 11/16"
- Bars available electro-tin plated; tamper proof bolts, plexiglass cover
- Other sizes available, contact factory for details



## Type CB (Pattern P) Ground Bar



Pattern P				
Catalog Number	Description	Tinned	Bar Size	# of Holes
CB1412P	Bar Only	No	1/4" x 2" x 12"	26
TCB14212P		Yes	1/4" x 2" x 12"	26
CB14212PK	Bar with Insulators & Brackets	No	1/4" x 2" x 12"	26
TCB14212PK		Yes	1/4" x 2" x 12"	26



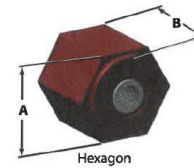
Hole Pattern "P"

### NOTES:

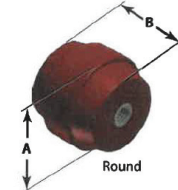
- Mounting holes not included in total
- Accommodates 2-hole lugs spaced 3/4" and 1" on center
- 12" bar pictures; holes are 7/16" diameter; slots are 7/16" x 11/16"
- Bars available electro-tin plated; with pigtails, tamper proof bolts, plexiglass cover
- Other sizes available, contact factory for details

## Standoff Insulators (Red)

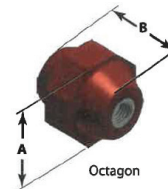
Manufactured from glass reinforced thermoset polyester					
Catalog Number	A	B	Shape	Thread Size	Voltage Rating
38-6330-00	1"	1"	Hexagon	1/4"-20 x 5/16" AL	600
38-6330-01	1"	1-1/4"	Hexagon	1/4"-20 x 5/16" AL	600
38-6331-00	2"	1-1/2"	Octagon	1/4"-20 x 7/16" STL	1500
38-6333-00	1-3/4"	2"	Round	3/8"-16 x 9/16" STL	2500
38-6334-00	2"	2"	Octagon	1/2"-13 x 5/8" STL	2500
38-6334-01	2"	2"	Octagon	3/8"-16 x 9/16" STL	2500
38-7725-00	2"	2-1/4"	Octagon	3/8"-16 x 9/16" STL	2700
38-7725-01	2"	2-1/4"	Octagon	1/2"-13 x 5/8" STL	2700
38-6335-00	2-1/2"	2-5/8"	Octagon	5/8"-11 x 3/4" AL	3400



Hexagon

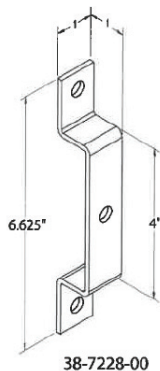


Round

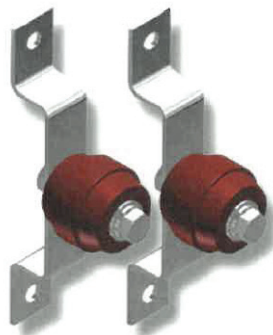


Octagon

## Mounting Brackets



38-7228-00



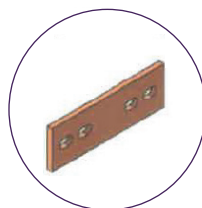
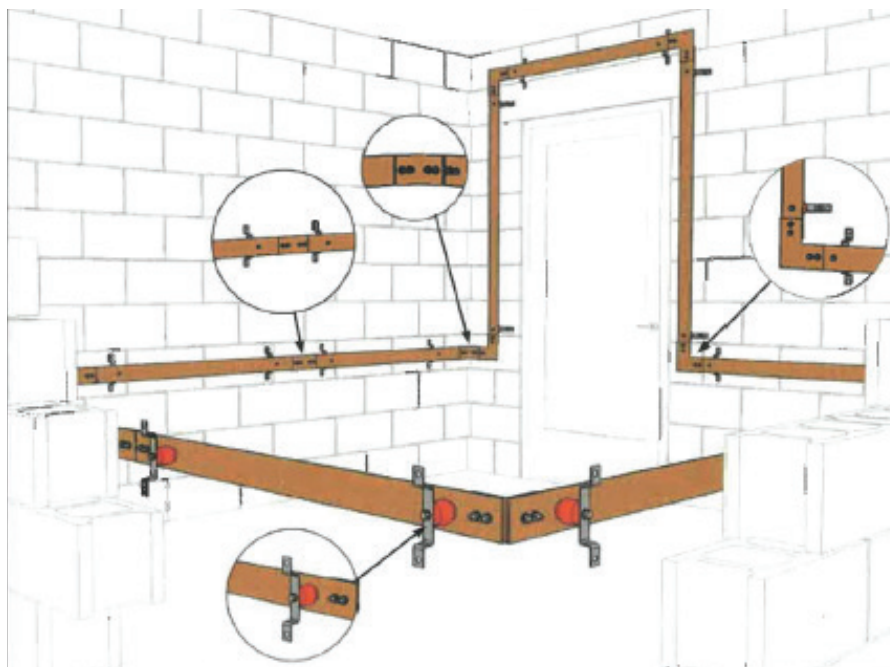
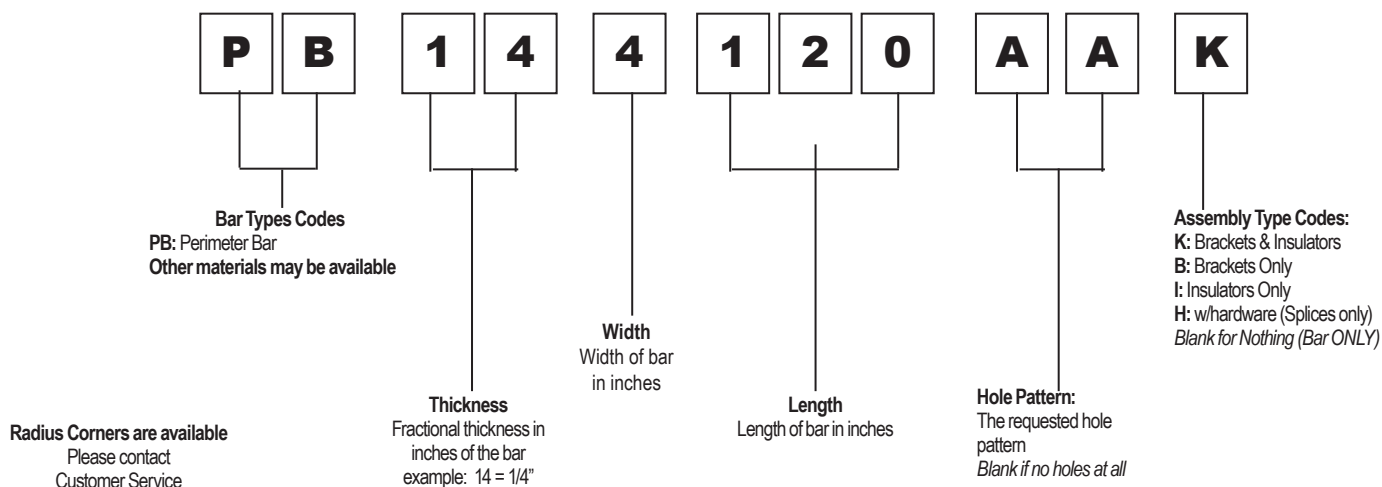
Catalog Number	Mounting Hole Size	H	Kit?
38-7230-00	7/16"	1"	Yes
38-7228-00	7/16"	1"	No

### 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 38-6333-00 insulators (round)

### Perimeter Bar Numbering System

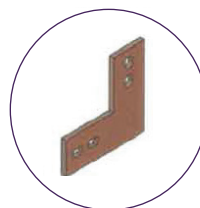
Below is a guide on how to understand the perimeter bus bar numbering system. Each digit of the catalog number represents specific details. Please note that other sizes, materials, and options may be available. Contact Customer Service or your local sales representative for more information. The example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



SPB Splice Plate



90SPB Splice Plate



PLB Splice Plate



PPB 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
SPB1426NN	2" SPB Splice Plate
SPB1426NNH	2" SPB Splice Plate with Hardware*
SPB1449NN	4" SPB Splice Plate
SPB1449NNH	4" SPB Splice Plate with Hardware*
90SPB1424NN	2" 90 Degree SPB Splice Plate
90SPB1424NNH	2" 90 Degree SPB Splice Plate with Hardware*
90SPB1446NN	4" 90 Degree SPB Splice Plate
90SPB1446NNH	4" 90 Degree SPB Splice Plate with Hardware*
PLB1425NN	2" L Shape PLB Splice Plate
PLB1425NNH	2" L Shape PLB Splice Plate with Hardware*
PPB1448NN	4" PPB Splice Plate
PPB1448NNH	4" PPB Splice Plate with Hardware*



### 38-7230-01 Mounting Kit

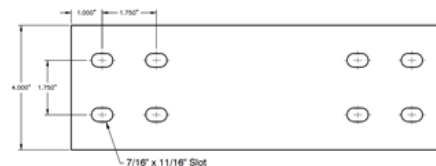
(included by adding K to catalog number)  
or may be purchased separately.

#### NOTES:

- With Hardware: consists of nuts, bolts flat and lock washers
- Mounting Kit 38-7230-01 included by adding suffix K; or available separately

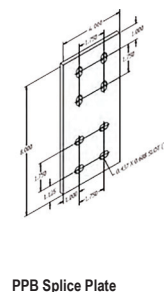
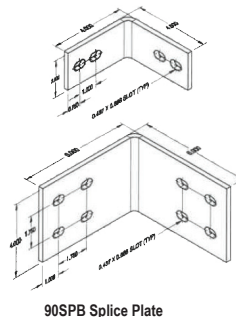
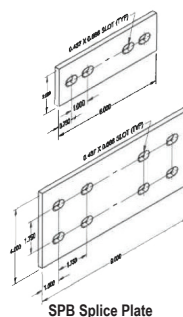
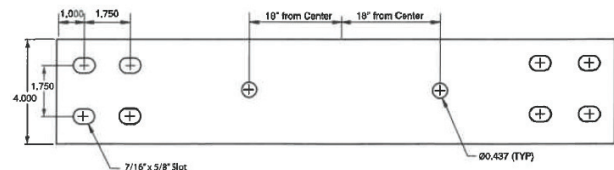
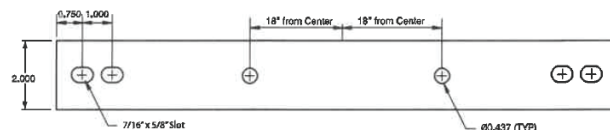
#### NN Pattern

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.

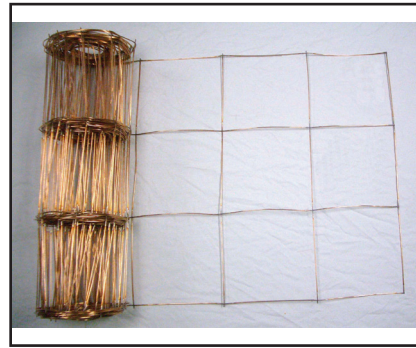


# Mechanical Grounding

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

## BURNDY® GRIDMAX®

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



### UL Listed Prefabricated Copper Ground Mesh

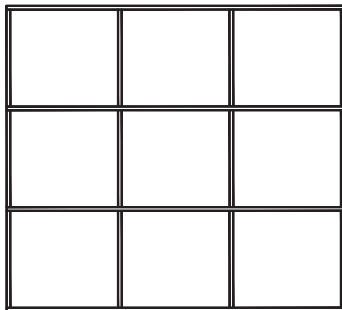
Prefabricated wire mesh is a simple and cost effective method of enhancing ground systems. Our Prefabricated wire mesh is used in the telecommunication industry to improve grounding and reduce electromagnetic interference. It is also used in power plants and sub-station facilities to reduce potential injury due to electrical discharge. We manufacture our ground mesh from solid copper or copper clad steel wire. The wire size range from #10 AWG to #4 AWG. We offer ground mesh with no overhang and overlapping ends typical.

Otherwise known as:

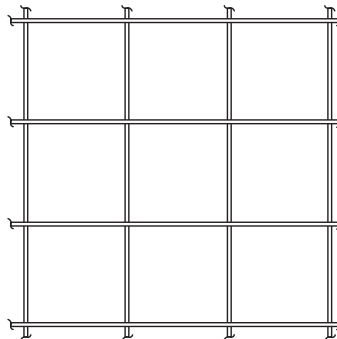
<b>Gradient Mesh:</b>	Canadian Standards & US -Pipeline
<b>Equipotential Mesh:</b>	NEC - Swimming Pools
<b>Personnel Safety Mat:</b>	IEEE80
<b>Ground Mesh:</b>	UL467

### Overlapping Ends

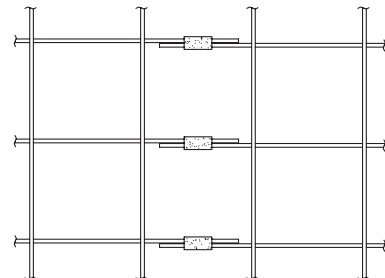
This configuration is designed to allow for side by side connections of adjoining mats; thus providing the easiest method of joining two mesh sections. Adding 2" to one half the conductor spacing provides the overlapping ends. For example, if the mesh size is 6" square, the overlapping end length is 5".



Without Overhang



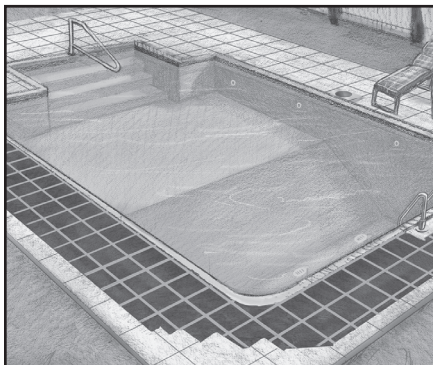
With Overhang



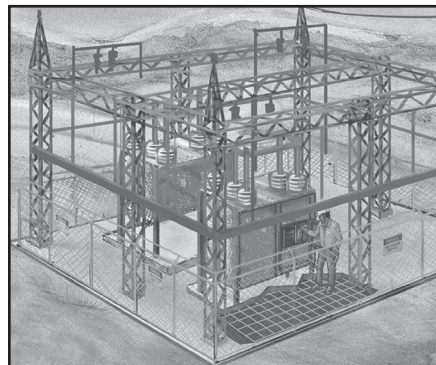
"Overlapping" ends

### 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 thermOweld® 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



Example:  
GRIDMAX®  
3' wide in pool area



Example:  
GRIDMAX®  
Personnel Safety Mat

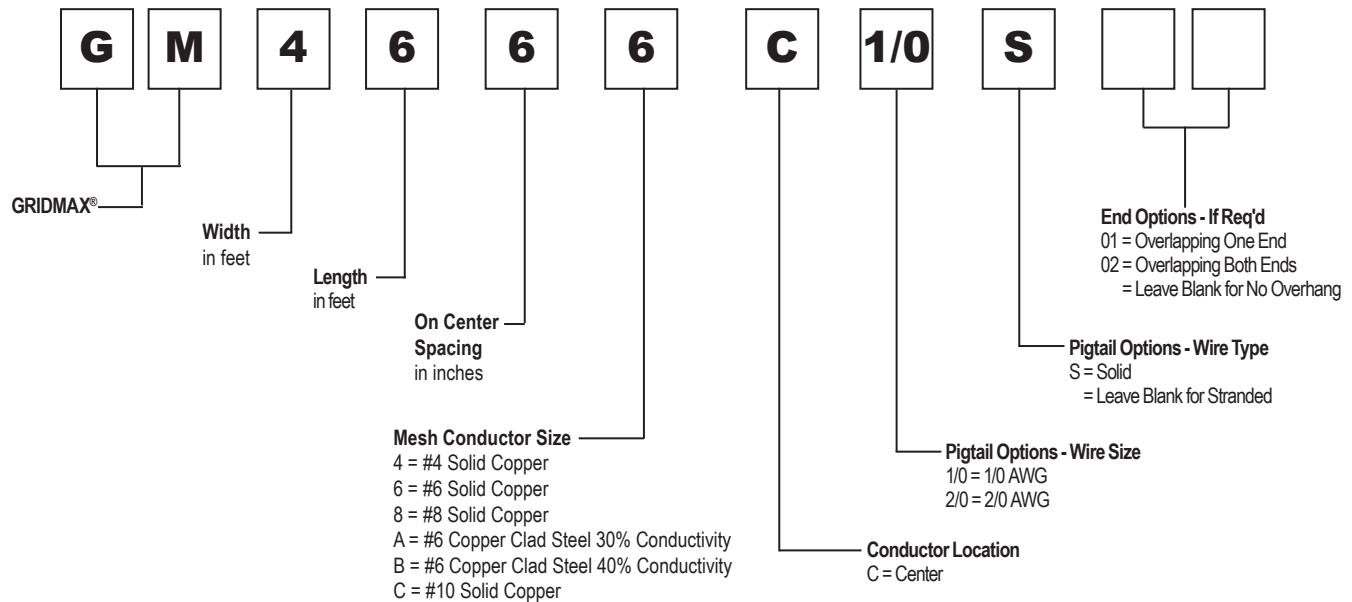
## BURNDY® GRIDMAX®

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

UL Listed Prefabricated Copper Ground Mesh



### GRIDMAX® Ground Mesh Numbering System Example



Catalog Number	Description
<b>GM4666C1/0S</b>	4' x 6' x 6" On Center - #6 Solid Copper - Center Conductor 1/0 Solid Pigtail
<b>GM4666</b>	4' x 6' x 6" On Center - #6 Solid Copper
<b>GB468B</b>	4' x 6' x 8" On Center - #6 Copper Clad Steel 40% Conductivity
<b>GB105012801</b>	10' x 50' x 12" On Center - #8 Solid Copper with Overhang One End
<b>GB1230126</b>	12' x 30' x 12" On Center - #6 Solid Copper

\*Custom sizes and options available upon request, contact Customer Service for details.

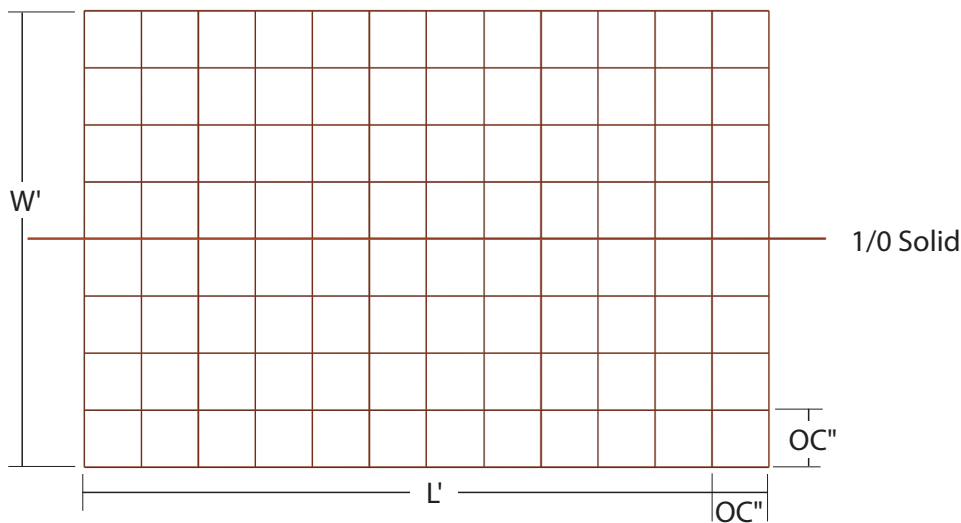
#### Notes:

- Overlapping ends are equal to 1/2 the spacing plus 2"; Don't count overhang for total dimensions
- Center wire conductors overhand 6" on each end
- Type Sizes: 4' x 4' and 4' x 6'. Mesh is also available on rolls, contact Customer Service for details
- Silver Solder Braze
- Minimum spacing available is 2"; UL467 allows 4" to 24" spacing for Listing

# Mechanical Grounding

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

**BURNDY® GRIDMAX®**  
Grounding, Personnel Safety Mats, Equipotential  
Bonding, Pool and Spa Grounding



GM4666C1/0S

Type		Width (W)	Length (L)	O.C. Spacing	Conductor	Pigtail Options				
G	M	4	6	6	6	C	1	/	0	S
Ground Mesh		Width in Feet	Length in Feet	On Center Spacing in Inches	Conductor Size and Type	Pigtail Conductor Location, Size and Type				

## Table of Contents

thermOweld® Exothermic Process .....	E-116	thermOweld® Accessories	
Making a thermOweld® Exothermic Connection .....	E-117	Cable Clamp .....	E-146
thermOweld® EZ Lite® Battery Ignition System .....	E-118	Cable Cleaning and Card Cloth Brush .....	E-146
thermOweld® Weld Metal and Steel Discs .....	E-119	Mold Cleaners .....	E-146
thermOweld® Molds		Packing Material .....	E-146
Type CC-1 Horizontal End to End .....	E-120	Tool Kit .....	E-147
Type CC-2 Horizontal Cable Tap to Horizontal Cable Run .....	E-121	Tools (separately) .....	E-147
Type CC-4 Horizontal to Horizontal Cable Cross .....	E-122	Rasp .....	E-147
Type CC-11 Horizontal to Horizontal Cable Cross .....	E-123	Flint Ignitor .....	E-147
Type CC-6 Horizontal Parallel Tap .....	E-124	thermOweld® Ground Rod Driving Sleeves .....	E-148
Type CC-14 Horizontal Parallel Through Cables .....	E-124	thermOweld® Shim Stock and Adapter Sleeves .....	E-148
Type CC-7 Horizontal Parallel Through Cables .....	E-125		
Type CR-1 Horizontal Cable Terminal to Ground Rod .....	E-126		
Type CR-2 Horizontal Cable to Ground Rod .....	E-127		
Type CR-3 Horizontal Through Cable to Ground Rod .....	E-128		
Type CR-17 Horizontal Run and Tap Cables to Ground Rod .....	E-129		
Type CR-24 Horizontal Parallel Run Cables to Ground Rod .....	E-130		
Type CS-1 Horizontal Cable to Horizontal Steel Surface .....	E-131		
Type CS-8 Horizontal Cable to Horizontal Steel Surface .....	E-131		
Type CS-2 Horizontal Through Cable to Horizontal Steel Surface .....	E-132		
Type CS-9 Horizontal Through Cable to Horizontal Steel Surface .....	E-132		
Type CS-3 Angular Cable Drop to Vertical Steel Surface .....	E-133		
Type CS-23 Vertical Cable Drop to Vertical Steel Surface .....	E-134		
Type CS-4 Vertical Through Cable to Vertical Steel Surface .....	E-134		
Type CS-6 Horizontal Through Cable to Vertical Steel Surface .....	E-135		
Type CS-7 Overhead Vertical Tap Cable to Vertical Steel Surface .....	E-135		
Type CS-18 Horizontal Tap Cable to Vertical Steel Surface .....	E-136		
Type CS-5 Horizontal Cable Tap to Horizontal Cast Iron Surface .....	E-136		
Type CRE-1 Horizontal Parallel Tap to Rebar .....	E-137		
Type CRE-2 Horizontal Cable Tap to Horizontal Rebar Run .....	E-138		
Type CRE-3 Horizontal Through Cable to Vertical Rebar .....	E-139		
Type CRE-4 Horizontal Through Cable to Horizontal Rebar .....	E-140		
Type CRE-6 Horizontal Cable Tap to Vertical Rebar .....	E-141		
thermOweld® Contact - GF .....	E-142		
thermOweld® Handle Clamps .....	E-144		
thermOweld® Handle Attachment .....	E-144		
thermOweld® Mold Support Clamp .....	E-144		
thermOweld® Vertical Magnetic Clamps .....	E-145		
thermOweld® Horizontal and Vertical Chain Clamps .....	E-145		

Most frequently ordered catalog numbers are highlighted in BLUE



# Exothermic Grounding

thermOweld®  
Exothermic Process

## thermOweld® Exothermic Process

The thermOweld® 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 thermOweld® exothermic process. The thermOweld® 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 thermOweld® process.

For more information, visit our website at:  
[www.burndy.com](http://www.burndy.com).

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

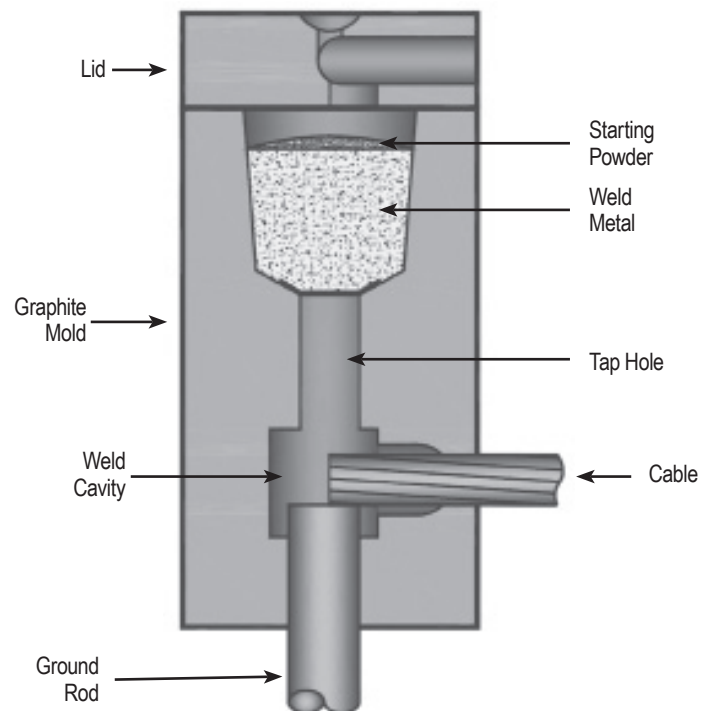
Stainless Steel  
Copperweld®  
Nichrome V  
Galvanized Steel  
Silicon Bronze  
Copper Clad Steel  
Columbium  
Plain Steel  
Everdur®  
Kama  
Stell Rail  
Cor-Ten®  
Brass  
Bronze  
Niobium  
Chromax  
Cast Iron  
Monel

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

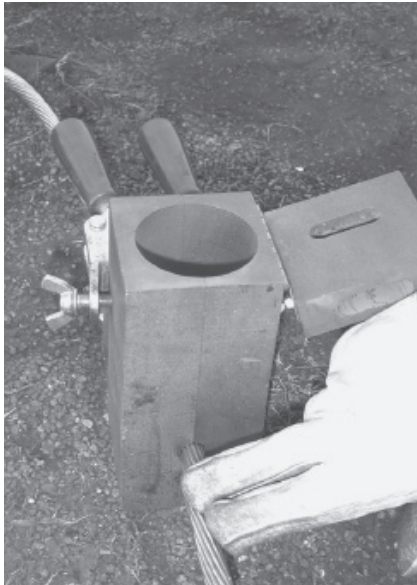


The thermOweld® connection is a molecular weld. The weld metal has the same melting point as copper. These factors along with the increased cross section of the connection, thermOweld® connections:

1. Will not be affected by a high current surge. Tests have shown that the electrical conductor will melt before the thermOweld® 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 thermOweld® connection becomes an integral part of the conductor.
3. Have a current-carrying capacity equal to or greater than that of the conductors.

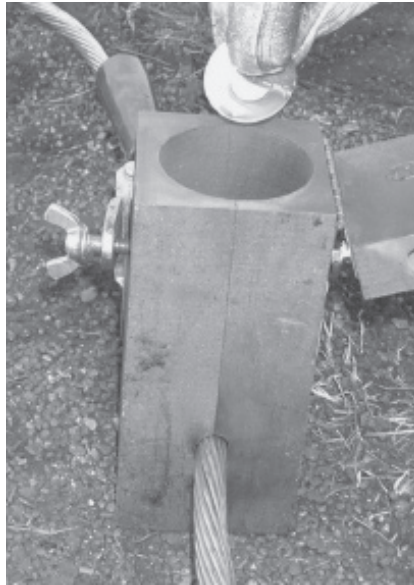


## Making a thermOweld® Connection



### Step 1

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



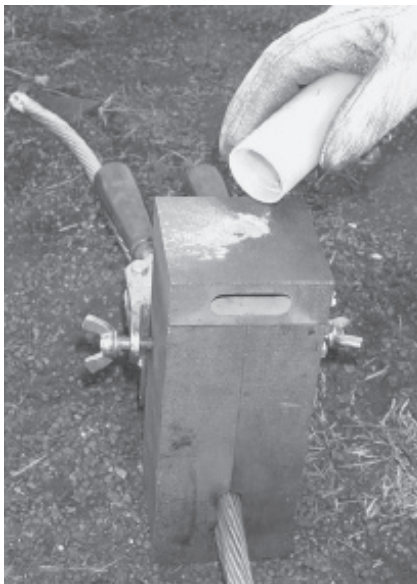
### Step 2

Place metal disc in bottom of mold crucible.



### Step 3

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



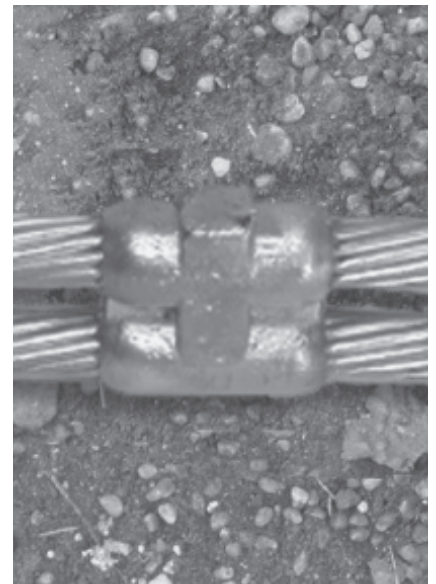
### Step 4

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



### Step 5

Ignite the starting powder with the Flint Ignitor.



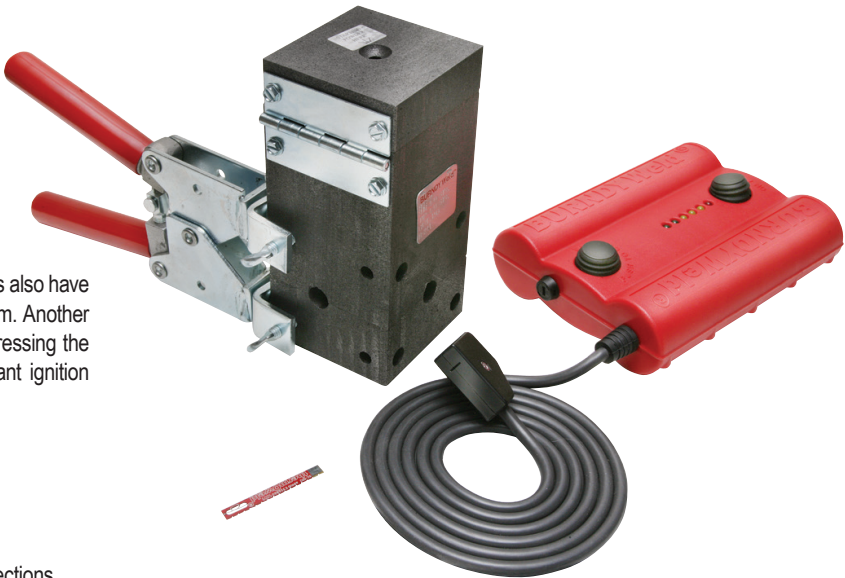
### Step 6

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

thermOweld® EZ Lite®  
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. EZ Lite® works with “off-the-shelf” molds and weld metal, so contractors and installers can continue to use the same quality thermOweld® 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 EZ Lite® 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 EZ Lite® system allows installers to make exothermic connections remotely
- Uses standard exothermic molds and weld metal
- Use the thermOweld® EZ Lite® 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
- EZ Lite® ignitor sticks (38EZLITIG) are conveniently packaged and available separately or packaged complete with standard weld metal

Catalog Number Standard Cartridge Size with Ignitor	Cartridges/ Ignitors Per Box
TW15EZ	20
TW25EZ	20
TW32EZ	10
TW45EZ	20
TW65EZ	20
TW90EZ	10
TW115EZ	10
TW150EZ	10
TW200EZ	10
TW250EZ	10
TW500EZ	10
38EZLITIG*	10

\* Ignitor stick only.

Catalog Number	Description
38EZLTRU	Battery Ignition System
38EZLTSK	EZ Lite® Battery Ignition System and 20 38EZLITIG Ignitor Sticks



thermOweld®  
Weld Metal

thermOweld® 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. thermOweld® 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

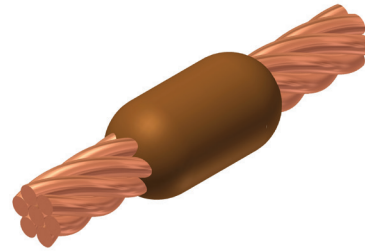


Weld Metal Size	Catalog Number <u>Steel Discs Only</u>	Package Quantity
15 to 65	37-0320-01	20
90 to 115	37-0320-02	10
150 to 500	37-0320-03	10

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

## Type CC-1 Molds Horizontal End to End

Type CC-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	M-5623	18 ①	25	Incl.
#3	#3	M-5624	18 ①	32	Incl.
#2	#2	M-5625	18 ①	32	Incl.
#1	#1	M-5626	18 ①	32	Incl.
1/0	1/0	M-205	4	45	B-106
2/0	2/0	M-206	4	65	B-106
3/0	3/0	M-207	4	90	B-106
4/0	4/0	M-208	4	90	B-106
250 kcmil	250 kcmil	M-209	4	115	B-106
300 kcmil	300 kcmil	M-210	4	115	B-106
350 kcmil	350 kcmil	M-211	4	150	B-106
500 kcmil	500 kcmil	M-213	4	200	B-107
750 kcmil	750 kcmil	M-214	5	2-150	B-107
1000 kcmil	1000 kcmil	M-215	5	2-200	B-107

① 38-0309-00 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:

38-0309-00 Flint Ignitor

38-3922-00 Mold Cleaning Brush

38-0135-00 Cable Cleaning Brush

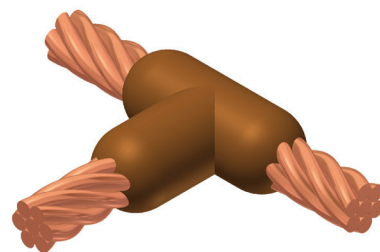
38-0330-00 Cable Clamp



## Type CC-2 Molds

### Horizontal Cable Tap to Horizontal Cable Run

Type CC-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	M-221	4	32	B-106
#2	#2	M-223	4	45	B-106
	#4	M-224	4	45	B-106
#1	#1	M-225	4	45	B-106
	#2	M-226	4	45	B-106
	#4	M-227	4	45	B-106
	#1	M-228	4	90	B-106
1/0	#1	M-229	4	45	B-106
	#2	M-230	4	45	B-106
	#4	M-231	4	45	B-106
	#1	M-232	4	90	B-106
2/0	2/0	M-333	4	90	B-106
	1/0	M-234	4	45	B-106
	#1	M-235	4	45	B-106
	#2	M-5475	4	45	B-106
3/0	3/0	M-236	4	115	B-106
	2/0	M-237	4	90	B-106
	1/0	M-238	4	90	B-106
	#1	M-239	4	45	B-106
	#2	M-240	4	45	B-106
	#4	M-5574	4	45	B-106
4/0	4/0	M-241	4	150	B-106
	3/0	M-242	4	115	B-106
	2/0	M-243	4	90	B-106
	1/0	M-244	4	90	B-106
	#1	M-245	4	90	B-106
	#2	M-246	4	90	B-106
	#4	M-5021	4	90	B-106
250 kcmil	250 kcmil	M-247	4	150	B-106
	4/0	M-248	4	150	B-106
	3/0	M-249	4	150	B-106
	2/0	M-250	4	90	B-106
	1/0	M-251	4	90	B-106
	#1	M-252	4	90	B-106
	#2	M-253	4	90	B-106

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

38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

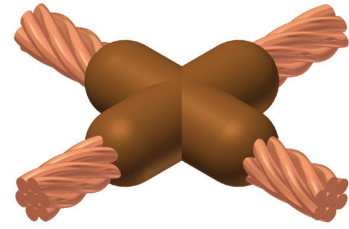
# Exothermic Grounding

thermOweld®; Type CC-4 Molds  
Horizontal to Horizontal Cable Cross

## Type CC-4 Molds

### Horizontal to Horizontal Cable Cross

Type CC-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	M-423	4	45	B-106
#3	#3	M-424	4	45	B-106
#2	#2	M-425	4	65	B-106
	#4	M-426	4	65	B-106
#1	#1	M-427	4	65	B-106
	#2	M-428	4	65	B-106
	#4	M-429	4	65	B-106
1/0	1/0	M-430	4	90	B-106
	#1	M-431	4	90	B-106
	#2	M-432	4	90	B-106
	#4	M-433	4	90	B-106
2/0	2/0	M-434	4	115	B-106
	1/0	M-435	4	115	B-106
	#1	M-436	4	115	B-106
	#2	M-437	4	115	B-106
3/0	3/0	M-438	4	150	B-106
	2/0	M-439	4	150	B-106
	1/0	M-440	4	115	B-106
	#1	M-441	4	115	B-106
	#2	M-442	4	115	B-106
4/0	4/0	M-443	4	200	B-106
	3/0	M-444	4	200	B-106
	2/0	M-445	4	150	B-106
	1/0	M-446	4	150	B-106
	#1	M-447	4	115	B-106
	#2	M-448	4	115	B-106
250 kcmil	250 kcmil	M-449	4	200	B-106
	4/0	M-450	4	200	B-106
	3/0	M-451	4	200	B-106
	2/0	M-452	4	150	B-106
250 kcmil	1/0	M-453	4	150	B-106
	#1	M-454	4	115	B-106
	#2	M-455	4	115	B-106

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

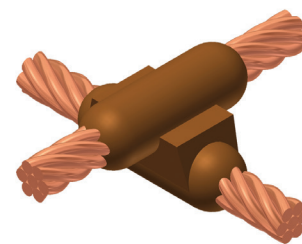
#### Recommended Accessories:

38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

## Type CC-11 Molds

### Horizontal to Horizontal Cable Cross

Type CC-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	M-5432	19	45	Incl.
#4	#4	M-2687	4	65	B-106
#2	#2	M-2689	4	90	B-106
	#4	M-2690	4	65	B-106
#1	#1	M-2691	4	115	B-106
	#2	M-2692	4	90	B-106
	#4	M-2693	4	90	B-106
1/0	1/0	M-2694	22	150	B-106
	#1	M-2695	22	150	B-106
	#2	M-2696	22	115	B-106
	#4	M-2697	22	115	B-106
2/0	2/0	M-2698	22	200	B-106
	1/0	M-2699	22	200	B-106
	#1	M-2700	22	150	B-106
	#2	M-2701	22	150	B-106
3/0	3/0	M-2702	22	250	B-106
	2/0	M-2703	22	200	B-106
	1/0	M-2704	22	200	B-106
	#1	M-2705	22	150	B-106
	#2	M-2706	22	150	B-106
4/0	4/0	M-2707	22	250	B-106
	3/0	M-2708	22	250	B-106
	2/0	M-2709	22	200	B-106
	1/0	M-2710	22	200	B-106
	#1	M-2711	22	150	B-106
	#2	M-2712	22	150	B-106

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

38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

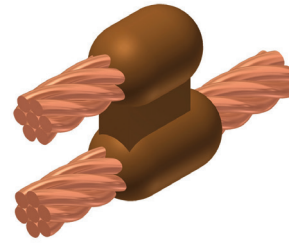
# Exothermic Grounding

thermOweld®; Type CC-6 Molds; Horizontal Parallel Tap  
Type CC-14 Molds; Horizontal Parallel through Cables

## Type CC-6 Molds Horizontal Parallel Tap

Type CC-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	M-1270	4	25	B-106
#6	#6	M-1271	4	25	B-106
#4	#4	M-1272	4	32	B-106
	#6	M-1273	4	32	B-106
	#6 Sol	M-1274	4	32	B-106
	#8 Sol	M-1275	4	32	B-106
#2	#2	M-1276	4	65	B-106
	#4	M-1277	4	45	B-106
	#6	M-1278	4	32	B-106
	#6 Sol	M-1279	4	32	B-106
#1	#8 Sol	M-1280	4	32	B-106
	#1	M-1281	4	65	B-106
	#2	M-1282	4	65	B-106
	#4	M-1283	4	45	B-106
	#6	M-1284	4	45	B-106
	#6 Sol	M-1285	4	45	B-106
1/0	#8 Sol	M-1286	4	45	B-106
	1/0	M-1287	4	90	B-106
	#1	M-1288	4	90	B-106
	#2	M-1289	4	65	B-106
	#4	M-1290	4	65	B-106
	#6	M-1291	4	45	B-106
	#6 Sol	M-1292	4	45	B-106
	#8 Sol	M-1293	4	45	B-106



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

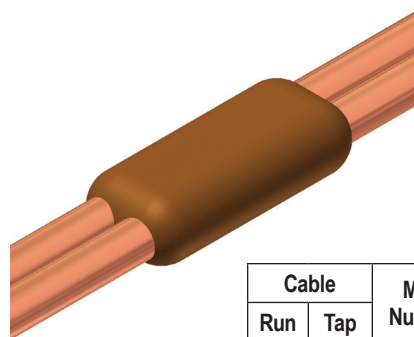
38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

## Type CC-14 Molds Horizontal Parallel through Cables

Type CC-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

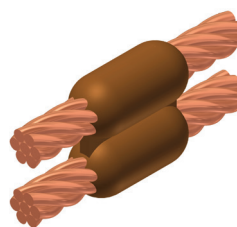


Cable		Mold Number	Price Key	Weld Metal
Run	Tap			
#8	#8	M-5709	18	15
#6	#6	M-5618	18	25

## Type CC-7 Molds

### Horizontal Parallel through Cables

Type CC-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	M-1311	4	32	B-106
	#6	M-5627	4	32	B-106
	#6 Sol	M-8882	4	32	B-106
	#8	M-5629	4	32	B-106
	#8 Sol	M-5630	4	32	B-106
#2	#2	M-1313	4	65	B-106
	#4	M-1314	4	65	B-106
	#6	M-5631	4	45	B-106
	#6 Sol	M-5632	4	45	B-106
	#8	M-5634	4	45	B-106
	#8 Sol	M-5635	4	45	B-106
#1	#1	M-1315	4	65	B-106
	#2	M-1316	4	65	B-106
	#4	M-1317	4	65	B-106
	#6	M-5636	4	65	B-106
	#6 Sol	M-5637	4	65	B-106
	#8	M-5638	4	45	B-106
	#8 Sol	M-5639	4	45	B-106
1/0	1/0	M-1318	4	90	B-106
	#1	M-1319	4	65	B-106
	#2	M-1320	4	65	B-106
	#4	M-1321	4	65	B-106
	#6	M-5642	4	65	B-106
	#6 Sol	M-1208	4	65	B-106
	#8	M-5644	4	65	B-106
	#8 Sol	M-5645	4	65	B-106

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

38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp



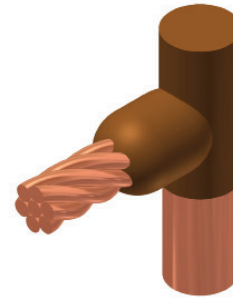
# Exothermic Grounding

thermOweld®; Type CR-1 Molds  
Horizontal Cable Terminal to Ground Rod

## Type CR-1 Molds

### Horizontal Cable Terminal to Ground Rod

Type CR-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	M-8402	18 ①	25	Incl.
	#4	M-8403	18 ①	25	Incl.
	#2	M-495	4	65	B-106
	#1	M-496	4	65	B-106
	1/0	M-497	4	90	B-106
	2/0	M-498	4	90	B-106
	3/0	M-499	4	90	B-106
	4/0	M-500	4	90	B-106
	250 kcmil	M-501	4	90	B-106
	300 kcmil	M-502	4	90	B-106
5/8"	#6	M-8414	18 ①	32	Incl.
	#4	M-8415	18 ①	32	Incl.
	#2	M-503	4	65	B-106
	#1	M-504	4	65	B-106
	1/0	M-505	4	90	B-106
	2/0	M-506	4	90	B-106
	3/0	M-507	4	90	B-106
	4/0	M-508	4	90	B-106
	250 kcmil	M-509	4	90	B-106
	300 kcmil	M-510	4	115	B-106
	350 kcmil	M-511	4	115	B-106
	500 kcmil	M-513	4	150	B-106

① 38-0309-00 Flint ignitor included

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

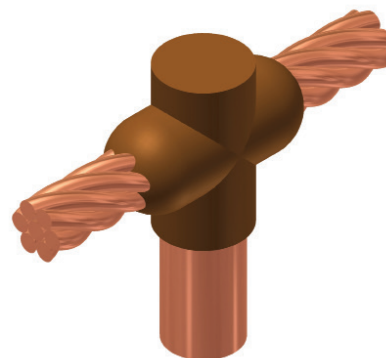
Handle Clamps - see chart for correct handle catalog number

#### Recommended Accessories:

38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

## Type CR-2 Molds Horizontal Cable to Ground Rod

Type CR-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	M-8434	18 ①	32	Incl.
	#4	M-8435	18 ①	32	Incl.
	#2	M-537	4	90	B-106
	#1	M-538	4	90	B-106
	1/0	M-539	4	90	B-106
	2/0	M-540	4	90	B-106
	3/0	M-541	4	115	B-106
	4/0	M-542	4	115	B-106
	250 kcmil	M-543	4	150	B-106
	300 kcmil	M-544	4	200	B-106
5/8"	#6	M-8441	18 ①	32	Incl.
	#4	M-8442	18 ①	32	Incl.
	#2	M-545	4	90	B-106
	#1	M-546	4	90	B-106
	1/0	M-547	4	90	B-106
	2/0	M-548	4	115	B-106
	3/0	M-549	4	115	B-106
	4/0	M-550	4	115	B-106
	250 kcmil	M-551	4	150	B-106
	300 kcmil	M-552	4	200	B-106
	350 kcmil	M-553	4	200	B-106
	500 kcmil	M-555	4	250	B-106

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

① 38-0309-00 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:

38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

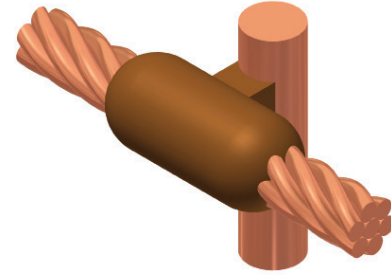
# Exothermic Grounding

thermOweld®; Type CR-3 Molds  
Horizontal Through Cable to Ground Rod

## Type CR-3 Molds

### Horizontal Through Cable to Ground Rod

Type CR-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	M-5321	24	65	B-106
	#4	M-2154	24	90	B-106
	#2	M-2155	24	90	B-106
	#1	M-2156	24	115	B-106
	1/0	M-1581	24	115	B-106
	2/0	M-1582	24	115	B-106
	4/0	M-1583	24	150	B-106
	250 kcmil	M-1584	24	150	B-106
5/8"	#6	M-5660	24	65	B-106
	#4	M-2157	24	90	B-106
	#2	M-2158	24	90	B-106
	#1	M-2159	24	115	B-106
	1/0	M-1586	24	115	B-106
	2/0	M-1587	24	115	B-106
	4/0	M-1588	24	150	B-106
	250 kcmil	M-1589	24	150	B-106
	500 kcmil	M-1593	13	2-200	B-107

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

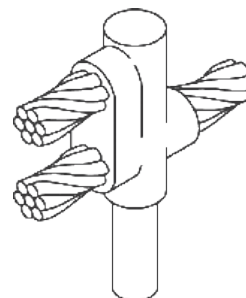
#### Recommended Accessories:

38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

## Type CR-17 Molds

### Horizontal Run and Tap Cables to Ground Rod

Type CR-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	M-5416	4	90	B-106
	#2	M-6165	4	90	B-106
	#1	M-5830	4	90	B-106
	1/0	M-5940	4	115	B-106
	2/0	M-5850	4	150	B-106
	3/0	M-5833	4	200	B-106
	4/0	M-5380	4	200	B-106
5/8"	#4	M-5972	4	90	B-106
	#2	M-5935	4	115	B-106
	#1	M-5699	4	115	B-106
	1/0	M-5746	4	150	B-106
	2/0	M-5963	4	200	B-106
	3/0	M-5734	4	250	B-106
	4/0	M-5732	4	250	B-106
	250 kcmil	M-5722	5	2-150	B-107
3/4"	#4	M-5698	4	90	B-106
	#2	M-5294	4	115	B-106
	#1	M-5390	4	115	B-106
	1/0	M-6025	4	150	B-106
	2/0	M-5738	4	200	B-106
	3/0	M-6003	4	250	B-106
	4/0	M-2566	4	250	B-106
	250 kcmil	M-5904	5	2-150	B-107
	300 kcmil	M-5857	5	2-200	B-107
	350 kcmil	M-5777	5	2-200	B-107
	500 kcmil	M-5961	5	3-200	B-107

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

38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

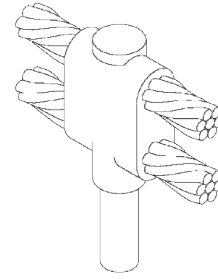
# Exothermic Grounding

thermOweld®; Type CR-24 Molds  
Horizontal Parallel Run Cables to Ground Rod

## Type CR-24 Molds

### Horizontal Parallel Run Cables to Ground Rod

Type CR-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	M-5640	4	115	B-106
	#2	M-5667	4	115	B-106
	#1	M-6002	4	115	B-106
	1/0	M-5767	4	150	B-106
	2/0	M-5604	4	200	B-106
	3/0	M-5560	4	250	B-106
	4/0	M-6766	4	250	B-106
5/8"	#4	M-6208	4	115	B-106
	#2	M-5702	4	150	B-106
	#1	M-5517	4	150	B-106
	1/0	M-5573	4	200	B-106
	2/0	M-8451	4	250	B-106
	3/0	M-2510	5	2-150	B-107
	4/0	M-5428	5	2-150	B-107
	250 kcmil	M-1212	5	2-200	B-107
	300 kcmil	M-2084	5	500	B-107
	350 kcmil	M-2558	5	500	B-107
	500 kcmil	M-2450	5	3-250	B-107
3/4"	#4	M-8011	4	115	B-106
	#2	M-2320	4	150	B-106
	#1	M-2235	4	150	B-106
	1/0	M-6051	4	200	B-106
	2/0	M-8802	4	250	B-106
	3/0	M-8726	5	2-150	B-107
	4/0	M-5677	5	2-150	B-107
	250 kcmil	M-8461	5	2-200	B-107
	300 kcmil	M-8428	5	500	B-107
	350 kcmil	M-8294	5	500	B-107
	500 kcmil	M-8214	5	3-250	B-107
	750 kcmil	M-8027	6	2-500	B-107

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

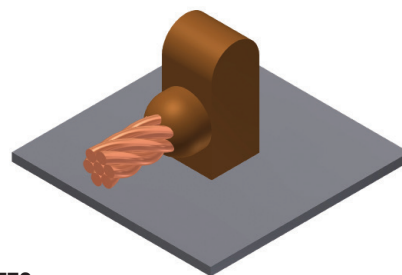
38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush; 38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp



## Type CS-1 Molds

### Horizontal Cable to Horizontal Steel Surface

Type CS-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>M-644</b>	4	90	B-106
2/0	<b>M-645</b>	4	90	B-106
3/0	<b>M-646</b>	4	115	B-106
4/0	<b>M-647</b>	4	115	B-106
250 kcmil	<b>M-648</b>	4	115	B-106
300 kcmil	<b>M-649</b>	4	150	B-106
350 kcmil	<b>M-650</b>	4	200	B-106
500 kcmil	<b>M-652</b>	4	200	B-106
750 kcmil	<b>M-653</b>	5	2-150	B-106
1000 kcmil	<b>M-654</b>	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

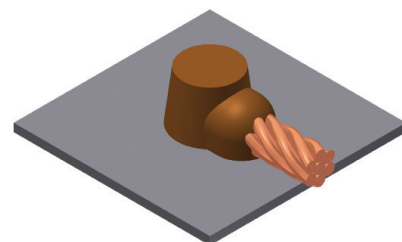
#### Recommended Accessories:

**38-0309-00** Flint Ignitor; **38-3922-00** Mold Cleaning Brush;  
**38-0135-00** Cable Cleaning Brush;  
**38-0330-00** Cable Clamp

## Type CS-8 Molds

### Horizontal Cable to Horizontal Steel Surface

Type CS-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>M-628</b>	3 ①	45	Incl.
#4	<b>M-629</b>	3 ①	45	Incl.
#2	<b>M-630</b>	3 ①	45	Incl.
#1	<b>M-631</b>	3 ①	65	Incl.
1/0	<b>M-7146</b>	4	90	B-106
2/0	<b>M-7075</b>	4	90	B-106
3/0	<b>M-2199</b>	4	115	B-106
4/0	<b>M-6114</b>	4	115	B-106
250 kcmil	<b>M-2200</b>	4	115	B-106
300 kcmil	<b>M-2506</b>	4	150	B-106
350 kcmil	<b>M-2507</b>	4	200	B-106
500 kcmil	<b>M-2509</b>	4	200	B-106
750 kcmil	<b>M-2542</b>	5	2-150	B-107
1000 kcmil	<b>M-2511</b>	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:

**38-0309-00** Flint Ignitor;  
**38-3922-00** Mold Cleaning Brush;  
**38-0135-00** Cable Cleaning Brush;  
**38-0330-00** Cable Clamp

① **38-0309-00** Flint ignitor included

# Exothermic Grounding

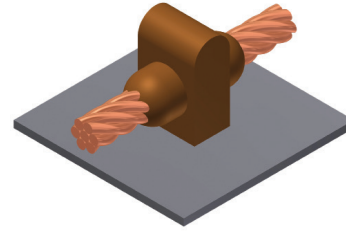
thermOweld®; Types CS-2 and CS-9 Molds  
Horizontal Through Cable to Horizontal Steel

## Type CS-2 Molds

### Horizontal Through Cable to Horizontal Steel Surface

Type CS-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	M-616	4	90	B-106
2/0	M-617	4	115	B-106
3/0	M-618	4	115	B-106
4/0	M-619	4	150	B-106
250 kcmil	M-620	4	150	B-106
300 kcmil	M-621	4	200	B-106
350 kcmil	M-622	4	250	B-106
500 kcmil	M-624	5	2-150	B-107
750 kcmil	M-625-H	5	3-250	B-107
1000 kcmil	M-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:

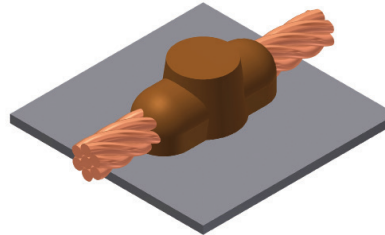
38-0309-00 Flint Ignitor; 38-3922-00 Mold Cleaning Brush;  
38-0135-00 Cable Cleaning Brush; 38-0330-00 Cable Clamp

## Type CS-9 Molds

### Horizontal Through Cable to Horizontal Steel Surface

Type CS-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	M-602	3 ①	45	Incl.
#4	M-603	3 ①	45	Incl.
#2	M-604	3 ①	45	Incl.
#1	M-605	3 ①	65	Incl.
1/0	M-8379	4	90	B-106
2/0	M-5331	4	115	B-106
3/0	M-8381	4	115	B-106
4/0	M-7192	4	150	B-106
250 kcmil	M-8413	4	150	B-106
300 kcmil	M-8423	4	200	B-106
350 kcmil	M-8410	4	250	B-106
500 kcmil	M-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:

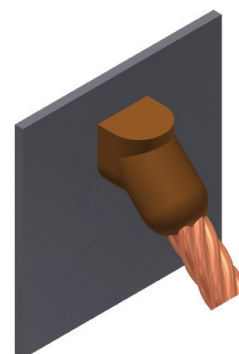
38-0309-00 Flint Ignitor;  
38-3922-00 Mold Cleaning Brush;  
38-0135-00 Cable Cleaning Brush;  
38-0330-00 Cable Clamp

① 38-0309-00 Flint ignitor included

## Type CS-3 Molds

### Angular Cable Drop to Vertical Steel Surface

Type CS-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>M-585</b>	4	45	B-106
#4	12" & up	<b>M-586</b> ①	4	45	B-106
#3	Flat Steel Only	<b>M-587</b>	4	45	B-106
#2	12" & up	<b>M-588</b> ①	4	45	B-106
#1	12" & up	<b>M-589</b> ①	4	65	B-106
1/0	12" & up	<b>M-590</b> ①	4	90	B-106
2/0	12" & up	<b>M-591</b> ①	4	90	B-106
3/0	12" & up	<b>M-592</b> ①	4	115	B-106
4/0	12" & up	<b>M-593</b> ①	4	115	B-106
250 kcmil	Flat Steel Only	<b>M-594</b>	4	115	B-106
300 kcmil	Flat Steel Only	<b>M-595</b>	4	150	B-106
350 kcmil	Flat Steel Only	<b>M-596</b>	4	200	B-106
500 kcmil	Flat Steel Only	<b>M-598</b>	4	200	B-106
750 kcmil	Flat Steel Only	<b>M-599</b>	5	2-150	B-106
1000 kcmil	Flat Steel Only	<b>M-600</b>	5	2-200	B-106
#4	1-1/4" to 4"	<b>M-2476</b>	4	45	B-106
#4	4" to 6"	<b>M-2477</b>	4	45	B-106
#4	6" to 10"	<b>M-2478</b>	4	45	B-106
#2 Sol	1-1/4" to 4"	<b>M-9233-S</b>	4	45	B-106
#2 Sol	4" to 6"	<b>M-2480-S</b>	4	45	B-106
#2 Sol	6" to 10"	<b>M-2583-S</b>	4	45	B-106
#2 Sol	12" & up	<b>M-588-S</b> ①	4	45	B-106
#2	1-1/4" to 4"	<b>M-9233</b>	4	45	B-106
#2	4" to 6"	<b>M-2480</b>	4	45	B-106
#2	6" to 10"	<b>M-2583</b>	4	45	B-106
#1	1-1/4" to 4"	<b>M-2482</b>	4	65	B-106
#1	4" to 6"	<b>M-2483</b>	4	65	B-106
#1	6" to 10"	<b>M-2484</b>	4	65	B-106
1/0	1-1/4" to 4"	<b>M-2486</b>	4	90	B-106
1/0	4" to 6"	<b>M-2487</b>	4	90	B-106
1/0	6" to 10"	<b>M-2488</b>	4	90	B-106

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

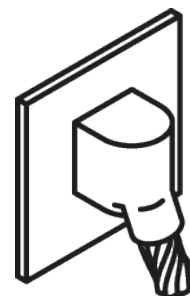
#### Recommended Accessories:

38-0309-00 Flint Ignitor

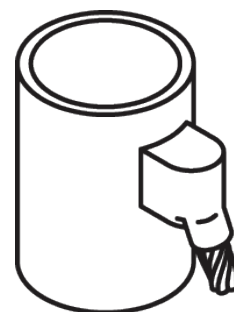
38-3922-00 Mold Cleaning Brush

38-0135-00 Cable Cleaning Brush

38-0330-00 Cable Clamp



Cable to Flat Steel



Cable to Pipe

# Exothermic Grounding

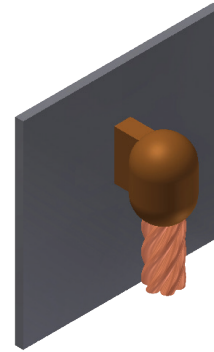
Type CS-23 Molds; Vertical Cable Drop to Vertical Steel  
Type CS-4 Molds; Vertical Through Cable to Vertical Steel

## Type CS-23 Molds

### Vertical Cable Drop to Vertical Steel Surface

Type CS-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	M-5389	4	45	B-106
#4	M-5359	4	65	B-106
#2	M-2781	4	65	B-106
#1	M-5361	4	90	B-106
1/0	M-2189	4	115	B-106
2/0	M-2540	4	115	B-106
3/0	M-5362	4	150	B-106
4/0	M-8718	4	150	B-106
250 kcmil	M-8165	4	200	B-106
300 kcmil	M-5363	4	200	B-106
350 kcmil	M-9029	4	250	B-106
500 kcmil	M-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:

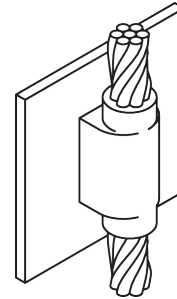
38-0309-00 Flint Ignitor;  
38-3922-00 Mold Cleaning Brush;  
38-0135-00 Cable Cleaning Brush;  
38-0330-00 Cable Clamp

## Type CS-4 Molds

### Vertical Through Cable to Vertical Steel Surface

Type CS-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	M-1215	4	90	B-106
#4	M-1216	4	90	B-106
#2	M-1218	4	115	B-106
#1	M-1219	4	115	B-106
1/0	M-1220	17	200	B-106
2/0	M-1221	17	200	B-106
3/0	M-1222	17	250	B-106
4/0	M-1223	17	250	B-106
250 kcmil	M-1224	17	250	B-106
300 kcmil	M-1225-H	6	500	B-107
350 kcmil	M-1226-H	6	3-200	B-107
500 kcmil	M-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:

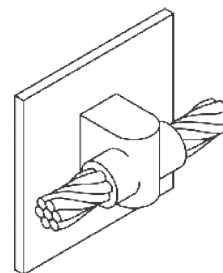
38-0309-00 Flint Ignitor;  
38-3922-00 Mold Cleaning Brush;  
38-0135-00 Cable Cleaning Brush;  
38-0330-00 Cable Clamp

## Type CS-6 Molds

### Horizontal Through Cable to Vertical Steel Surface

Type CS-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	M-1626	4	65	B-106
#4	M-1627	4	65	B-106
#2	M-1628	4	65	B-106
#1	M-1629	4	90	B-106
1/0	M-1630	4	115	B-106
2/0	M-1631	4	115	B-106
3/0	M-1632	4	150	B-106
4/0	M-1633	4	150	B-106
250 kcmil	M-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:

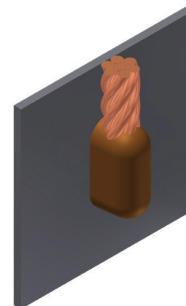
38-0309-00 Flint Ignitor  
38-3922-00 Mold Cleaning Brush  
38-0135-00 Cable Cleaning Brush  
38-0330-00 Cable Clamp

## Type CS-7 Molds

### Overhead Vertical Tap Cable to Vertical Steel Surface

Type CS-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	M-1635	4	65	B-106
#4	M-1636	4	65	B-106
#3	M-1637	4	65	B-106
#2	M-1638	4	65	B-106
#1	M-1639	4	90	B-106
1/0	M-1640	4	150	B-106
2/0	M-1641	4	150	B-106
3/0	M-1642	17	200	B-106
4/0	M-1643	17	200	B-106
250 kcmil	M-1644	17	200	B-106
300 kcmil	M-1645	17	250	B-106
350 kcmil	M-1646	6	2-150	B-107
500 kcmil	M-1648	6	2-200	B-107
750 kcmil	M-1649	6	500	B-107
1000 kcmil	M-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:

38-0309-00 Flint Ignitor  
38-3922-00 Mold Cleaning Brush  
38-0135-00 Cable Cleaning Brush  
38-0330-00 Cable Clamp



# Exothermic Grounding

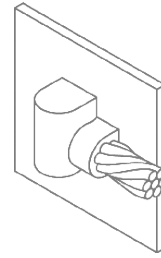
Type CS-18 Molds; Horizontal Tap Cable to Vertical Steel  
Type CS-5 Molds; Horizontal Cable Tap to Horizontal Cast Iron

## Type CS-18 Molds

### Horizontal Tap Cable to Vertical Steel Surface

Type CS-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	M-5910	4	45	B-106
#4	M-2761	4	45	B-106
#1	M-6060	4	65	B-106
1/0	M-5419	4	90	B-106
2/0	M-2567	4	90	B-106
3/0	M-6072	4	115	B-106
4/0	M-9253	4	115	B-106
250 kcmil	M-2568	4	115	B-106
300 kcmil	M-6061	4	150	B-106
350 kcmil	M-6067	4	200	B-106
500 kcmil	M-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:

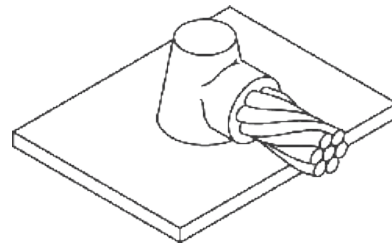
38-0309-00 Flint Ignitor;  
38-3922-00 Mold Cleaning Brush;  
38-0135-00 Cable Cleaning Brush;  
38-0330-00 Cable Clamp

## Type CS-5 Molds

### Horizontal Cable Tap to Horizontal Cast Iron Surface

Type CS-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	M-1613	3 ①	2SCI	Incl.
#6	M-1614	3 ①	25CI	Incl.
#4 Sol	M-1615	3 ①	45CI	Incl.
#4	M-1616	3 ①	45CI	Incl.
#2 Sol	M-1617	3 ①	45CI	Incl.
#2	M-1618	3 ①	45CI	Incl.
#1 Sol	M-1619	3 ①	65CI	Incl.
#1	M-1620	3 ①	65CI	Incl.



**DO NOT use Type CS-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.**

① 38-0309-00 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

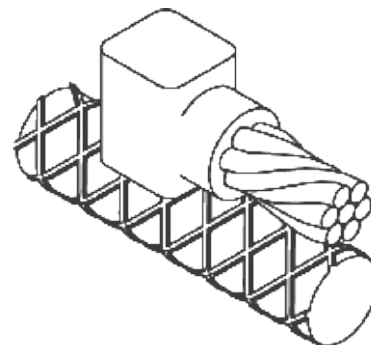
#### Recommended Accessories:

38-0309-00 Flint Ignitor  
38-3922-00 Mold Cleaning Brush  
38-0135-00 Cable Cleaning Brush  
38-0330-00 Cable Clamp

## Type CRE-1 Molds

### Horizontal Parallel Tap to Rebar

Type CRE-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.



### PACKING MATERIAL NOTE

A packing pad is necessary when making thermOweld® connections to rebar. Packing material 38-032900 is copper shim stock. Packing material numbers 38-4061-00, 38-4062-00 and 38-4063-00 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	M-7500	38-0329-00	4	25	B-106
	#4	M-7501	38-0329-00	4	32	B-106
	#2	M-7502	38-0329-00	4	45	B-106
	#1	M-7503	38-0329-00	4	65	B-106
	1/0	M-7504	38-0329-00	4	90	B-106
	2/0	M-7505	380-329-00	4	90	B-106
	3/0	M-7506	38-0329-00	4	115	B-106
4 & Larger	4/0	M-7507	38-0329-00	4	115	B-106
	#6	M-7508	38-4061-00	3 ①	25	Incl.
	#4	M-7509	38-4061-00	3 ①	32	Incl.
	#2	M-7510	38-4061-00	3 ①	45	Incl.
4	#1	M-7511	38-4061-00	3 ①	65	Incl.
	1/0	M-7512	38-0329-00	4	90	B-106
	2/0	M-7513	38-0329-00	4	90	B-106
	3/0	M-7514	38-0329-00	4	115	B-106
5	4/0	M-7515	38-0329-00	4	115	B-106
	1/0	M-7520	38-0329-00	4	90	B-106
	2/0	M-7521	38-0329-00	4	90	B-106
	3/0	M-7522	38-0329-00	4	115	B-106
6 & Larger	4/0	M-7523	38-0329-00	4	115	B-106
	1/0	M-7528	38-4062-00	14+	90	Incl.
	2/0	M-7529	38-4062-00	14+	90	Incl.
	3/0	M-7530	38-4062-00	14+	115	Incl.
6 & Larger	4/0	M-7531	38-4062-00	14+	115	Incl.

### 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:

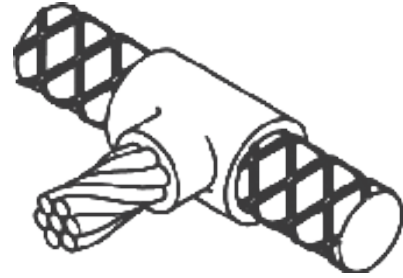
38-0309-00 Flint Ignitor  
38-3922-00 Mold Cleaning Brush  
38-0135-00 Cable Cleaning Brush  
38-0330-00 Cable Clamp

① 38-0309-00 Flint ignitor included

## Type CRE-2 Molds

### Horizontal Cable Tap to Horizontal Rebar Run

Type CRE-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	M-7588	38-0329-00	4	45	B-106
	#4	M-7589	38-0329-00	4	45	B-106
	#2	M-7590	38-0329-00	4	65	B-106
	#1	M-7591	38-0329-00	4	65	B-106
	1/0	M-7592	38-0329-00	4	90	B-106
	2/0	M-7593	38-0329-00	4	90	B-106
	3/0	M-7594	38-0329-00	4	115	B-106
	4/0	M-7595	38-0329-00	4	115	B-106
4	#6	M-7596	38-0329-00	4	45	B-106
	#4	M-7597	38-0329-00	4	45	B-106
	#2	M-7598	38-0329-00	4	65	B-106
	#1	M-7599	38-0329-00	4	65	B-106
	1/0	M-7600	38-0329-00	4	90	B-106
	2/0	M-7601	38-0329-00	4	90	B-106
	3/0	M-7602	38-0329-00	4	115	B-106
	4/0	M-7603	38-0329-00	4	115	B-106
5	#6	M-7604	38-0329-00	4	90	B-106
	#4	M-7605	38-0329-00	4	90	B-106
	#2	M-7606	38-0329-00	4	90	B-106
	#1	M-7607	38-0329-00	4	90	B-106
	1/0	M-7608	38-0329-00	4	115	B-106
	2/0	M-7609	38-0329-00	4	115	B-106
	3/0	M-7610	38-0329-00	4	150	B-106
	4/0	M-7611	38-0329-00	4	150	B-106
6	#6	M-7612	38-0329-00	4	90	B-106
	#4	M-7613	38-0329-00	4	90	B-106
	#2	M-7614	38-0329-00	4	90	B-106
	#1	M-7615	38-0329-00	4	90	B-106
	1/0	M-7616	38-0329-00	4	115	B-106
	2/0	M-7617	38-0329-00	4	115	B-106
	3/0	M-7618	38-0329-00	4	150	B-106
	4/0	M-7619	38-0329-00	4	150	B-106

### PACKING MATERIAL NOTE

A packing pad is necessary when making thermOweld® connections to rebar. Packing material 38-0329-00 is copper shim stock. Packing material numbers 38-4061-00, 38-4062-00 and 38-4063-00 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

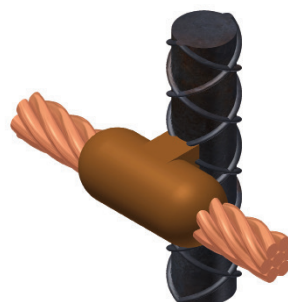
### Recommended Accessories:

38-0309-00 Flint Ignitor  
38-3922-00 Mold Cleaning Brush  
38-0135-00 Cable Cleaning Brush  
38-0330-00 Cable Clamp

## Type CRE-3 Molds

### Horizontal through Cable to Vertical Rebar

Type CRE-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.



### PACKING MATERIAL NOTE

A packing pad is necessary when making thermOweld® connections to rebar. Packing material 38-0329-00 is copper shim stock. Packing material numbers 38-4061-00, 38-4062-00 and 38-4063-00 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	M-7620	38-0329-00	24	90	B-106
	#4	M-7621	38-0329-00	24	90	B-106
	#2	M-7622	38-0329-00	24	90	B-106
	#1	M-7623	38-0329-00	24	115	B-106
	1/0	M-7624	38-0329-00	24	115	B-106
	2/0	M-7625	38-0329-00	24	115	B-106
	3/0	M-7626	38-0329-00	24	150	B-106
4	4/0	M-7627	38-0329-00	24	150	B-106
	#6	M-7628	38-0329-00	24	90	B-106
	#4	M-7629	38-0329-00	24	90	B-106
	#2	M-7630	38-0329-00	24	90	B-106
	#1	M-7631	38-0329-00	24	115	B-106
	1/0	M-7632	38-0329-00	24	115	B-106
	2/0	M-7633	38-0329-00	24	115	B-106
5	3/0	M-7634	38-0329-00	24	150	B-106
	4/0	M-7635	38-0329-00	24	150	B-106
	#6	M-7636	38-0329-00	24	90	B-106
	#4	M-7637	38-0329-00	24	90	B-106
	#2	M-7638	38-0329-00	24	90	B-106
	#1	M-7639	38-0329-00	24	115	B-106
	1/0	M-7640	38-0329-00	24	115	B-106
	2/0	M-7641	38-0329-00	24	115	B-106
	3/0	M-7642	38-0329-00	24	150	B-106
	4/0	M-7643	38-0329-00	24	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®

Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
6	#6	M-7644	38-0329-00	24	90	B-106
	#4	M-7645	38-0329-00	24	90	B-106
	#2	M-7646	38-0329-00	24	90	B-106
	#1	M-7647	38-0329-00	24	115	B-106
	1/0	M-7648	38-0329-00	24	115	B-106
	2/0	M-7649	38-0329-00	24	115	B-106
	3/0	M-7650	38-0329-00	24	150	B-106
	4/0	M-7651	38-0329-00	24	150	B-106
7 & Larger	#6	M-7652	38-4063-00	4	90	B-106-41
	#4	M-7653	38-4063-00	4	90	B-106-41
	#2	M-7654	38-4063-00	4	90	B-106-41
	#1	M-7655	38-4063-00	4	115	B-106-41
	1/0	M-7656	38-4063-00	4	115	B-106-41
	2/0	M-7657	38-4063-00	4	115	B-106-41
	3/0	M-7658	38-4063-00	4	150	B-106-41
	4/0	M-7659	38-4063-00	4	150	B-106-41

#### Required Tools:

Handle Clamps - see chart for correct handle catalog number

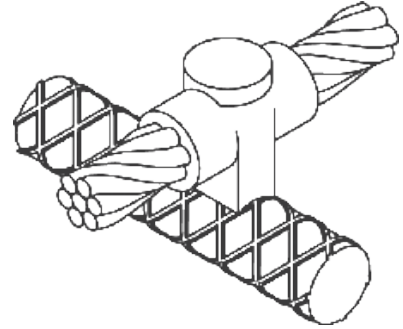
#### Recommended Accessories:

38-0309-00 Flint Ignitor  
38-3922-00 Mold Cleaning Brush  
38-0135-00 Cable Cleaning Brush  
38-0330-00 Cable Clamp

## Type CRE-4 Molds

### Horizontal through Cable to Horizontal Rebar

Type CRE-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	M-7708	38-0329-00	4	65	B-106
	#4	M-7709	38-0329-00	4	65	B-106
	#2	M-7710	38-0329-00	4	90	B-106
	#1	M-7711	38-0329-00	4	90	B-106
	1/0	M-7712	38-0329-00	22	115	B-106
	2/0	M-7713	38-0329-00	22	115	B-106
	3/0	M-7714	38-0329-00	22	150	B-106
	4/0	M-7715	38-0329-00	22	150	B-106
4	#6	M-7716	38-0329-00	4	65	B-106
	#4	M-7717	38-0329-00	4	65	B-106
	#2	M-7718	38-0329-00	4	90	B-106
	#1	M-7719	38-0329-00	22	90	B-106
	1/0	M-7720	38-0329-00	22	115	B-106
	2/0	M-7721	38-0329-00	22	115	B-106
	3/0	M-7722	38-0329-00	22	150	B-106
	4/0	M-7723	38-0329-00	22	150	B-106
5	#6	M-7724	38-0329-00	4	65	B-106
	#4	M-7725	38-0329-00	4	65	B-106
	#2	M-7726	38-0329-00	4	90	B-106
	#1	M-7727	38-0329-00	22	90	B-106
	1/0	M-7728	38-0329-00	22	115	B-106
	2/0	M-7729	38-0329-00	22	115	B-106
	3/0	M-7730	38-0329-00	22	150	B-106
	4/0	M-7731	38-0329-00	22	150	B-106
6 & Larger	#6	M-7732	38-4061-00	14 ①	65	Incl.
	#4	M-7733	38-4061-00	14 ①	65	Incl.
	#2	M-7734	38-4061-00	14 ①	90	Incl.
	#1	M-7735	38-4061-00	14 ①	90	Incl.
	1/0	M-7736	38-4062-00	14 ①	115	Incl.
	2/0	M-7737	38-4062-00	14 ①	115	Incl.
	3/0	M-7738	38-4062-00	14 ①	150	Incl.
	4/0	M-7739	38-4062-00	14 ①	150	Incl.

### PACKING MATERIAL NOTE

A packing pad is necessary when making thermOweld® connections to rebar. Packing material 38-0329-00 is copper shim stock. Packing material numbers 38-4061-00, 38-4062-00 and 38-4063-00 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:

38-0309-00 Flint Ignitor  
38-3922-00 Mold Cleaning Brush  
38-0135-00 Cable Cleaning Brush  
38-0330-00 Cable Clamp

① 38-0309-00 Flint ignitor included



## Type CRE-6 Molds Horizontal Cable Tap to Vertical Rebar

Type CRE-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 thermOweld® connections to rebar. Packing material 38-0329-00 is copper shim stock. Packing material numbers 38-4061-00, 38-4062-00 and 38-4063-00 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>M-7884</b>	38-0329-00	4	45	B-106
	#4	<b>M-7885</b>	38-0329-00	4	45	B-106
	#2	<b>M-7886</b>	38-0329-00	4	65	B-106
	#1	<b>M-7887</b>	38-0329-00	4	90	B-106
	1/0	<b>M-7888</b>	38-0329-00	4	115	B-106
	2/0	<b>M-7889</b>	38-0329-00	4	115	B-106
	3/0	<b>M-7890</b>	38-0329-00	4	150	B-106
4	4/0	<b>M-7891</b>	38-0329-00	4	150	B-106
	#6	<b>M-7892</b>	38-0329-00	4	45	B-106
	#4	<b>M-7893</b>	38-0329-00	4	65	B-106
	#2	<b>M-7894</b>	38-0329-00	4	65	B-106
	#1	<b>M-7895</b>	38-0329-00	4	90	B-106
	1/0	<b>M-7896</b>	38-0329-00	4	115	B-106
	2/0	<b>M-7897</b>	38-0329-00	4	115	B-106
5	3/0	<b>M-7898</b>	38-0329-00	4	150	B-106
	4/0	<b>M-7899</b>	38-0329-00	4	150	B-106
	#6	<b>M-7900</b>	38-0329-00	4	45	B-106
	#4	<b>M-7901</b>	38-0329-00	4	65	B-106
	#2	<b>M-7902</b>	38-0329-00	4	65	B-106
	#1	<b>M-7903</b>	38-0329-00	4	90	B-106
	1/0	<b>M-7904</b>	38-0329-00	4	115	B-106
	2/0	<b>M-7905</b>	38-0329-00	4	115	B-106
	3/0	<b>M-7906</b>	38-0329-00	4	150	B-106
	4/0	<b>M-7907</b>	38-0329-00	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®

Rebar Size	Cable Size	Mold Number	Packing Material	Price Key	Weld Metal	Handle Clamps
6	#6	<b>M-7908</b>	38-0329-00	4	45	B-106
	#4	<b>M-7909</b>	38-0329-00	4	65	B-106
	#2	<b>M-7910</b>	38-0329-00	4	65	B-106
	#1	<b>M-7911</b>	38-0329-00	4	90	B-106
	1/0	<b>M-7912</b>	38-0329-00	4	115	B-106
	2/0	<b>M-7913</b>	38-0329-00	4	115	B-106
	3/0	<b>M-7914</b>	38-0329-00	4	150	B-106
	4/0	<b>M-7915</b>	38-0329-00	4	150	B-106
7 & Larger	#6	<b>M-7916</b>	38-4063-00	4	45	B-106-32 ①
	#4	<b>M-7917</b>	38-4063-00	4	65	B-106-32 ①
	#2	<b>M-7918</b>	38-4063-00	4	65	B-106-32 ①
	#1	<b>M-7919</b>	38-4063-00	4	90	B-106-32 ①
	1/0	<b>M-7920</b>	38-4063-00	4	115	B-106-32 ①
	2/0	<b>M-7921</b>	38-4063-00	4	115	B-106-32 ①
	3/0	<b>M-7922</b>	38-4063-00	4	150	B-106-32 ①
	4/0	<b>M-7923</b>	38-4063-00	4	150	B-106-32 ①

- ① The **B106-32** comes complete with a **B-106** handle clamp and **40-0106-76** 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:

**38-0309-00** Flint Ignitor  
**38-3922-00** Mold Cleaning Brush  
**38-0135-00** Cable Cleaning Brush  
**38-0330-00** Cable Clamp

## thermOweld® Contact - GF

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

Catalog Number	Description
38-6501-25	Contact - GF 25 lb
38-6501-50	Contact - GF 50 lb

## thermOweld® Contact - GF 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 thermOweld® Contact - GF (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 Contact - GF 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 thermOweld® Contact - GF  
 = Quantity of 28 50-lb bags of Contact - GF

## thermOweld® Contact - GF

### 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 Contact - GF until desired level is obtained. No tamping is required.

Dry Volume of thermOweld® Contact - GF vs. Hole Size		Ground Resistance Comparison of Bare Rod vs.	
Hole Size	Lbs. of Contact - GF 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%

#### Horizontal or Grid Construction ①

Pour into horizontal trench until level of ground wire is reached. Place ground wire. Pour additional Contact - GF until wire is covered to desired height. Cover with fill. No tamping required.

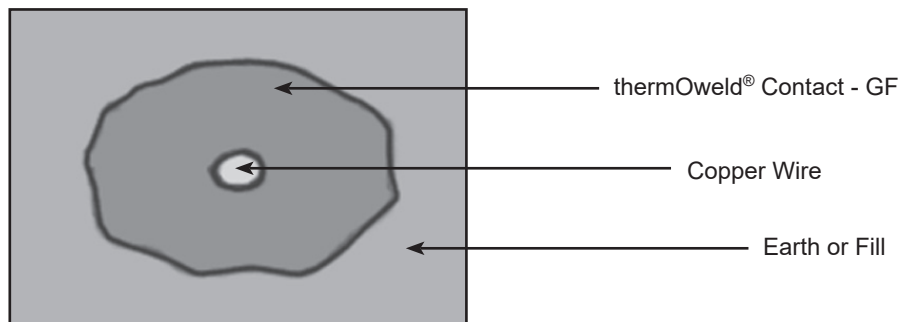
For grid construction, pour thermOweld® Contact - GF and spread over ground grid until desired thickness is achieved. Cover with fill.

① Entire grounding system should be surrounded by thermOweld® Contact - GF. Conductors should be insulated as they exit Contact - GF column.

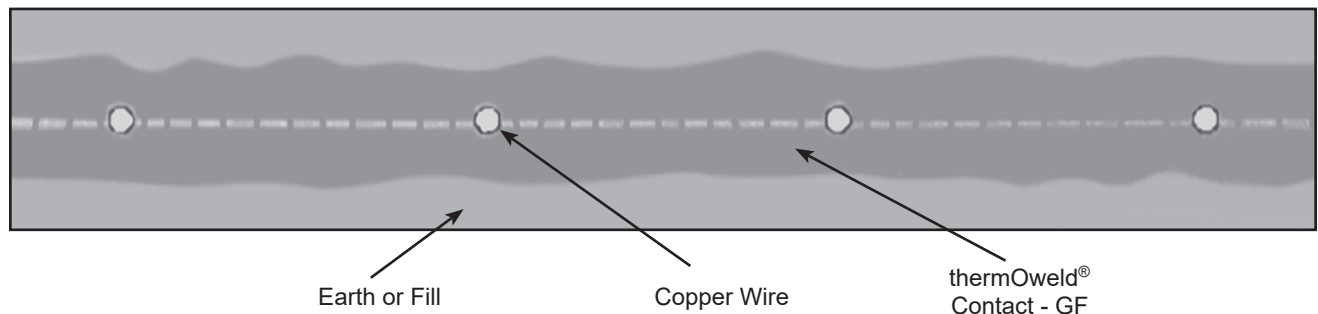
Steady State Leakage Resistance ② Using 4/0 Copper Wire vs. thermOweld® Contact - GF					
Length	0.457" Diameter Wire Only	Percentage of Resistance with 0.457" Wire Plus Contact - GF in Various Diameters Compared to Wire Only (100%)			
		2"	3"	4"	6"
25'	100%	83%	78%	74%	69%
50'	100%	85%	81%	77%	73%
75'	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 Contact - GF around the grounding system will also reduce surge impedance by increasing the effective contact area of the electrode to soil.

#### Horizontal Construction



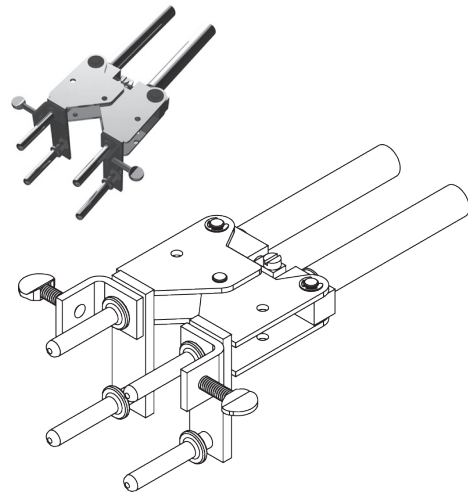
#### Grid Construction



## Handle Clamps

thermOweld® 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 thermOweld® molds.

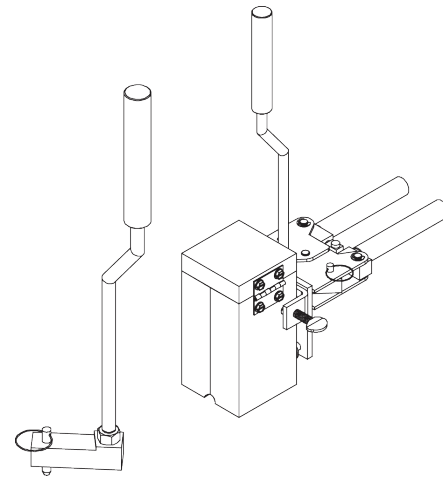
1. Use B-106 clamps for all molds having a price key 4, 7, 17, 22 or 24. These molds are a nominal 3 1/8" x 3 1/8" square.
2. Use B-107 clamps for all molds having a price key 5, 6, 8 or 23. These molds are a nominal 4" x 4" square.
3. All molds having a price key 2, 3, 9, 10, 11, 12, 14, 15 or 16 have 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 CRE-1 and CRE-4.

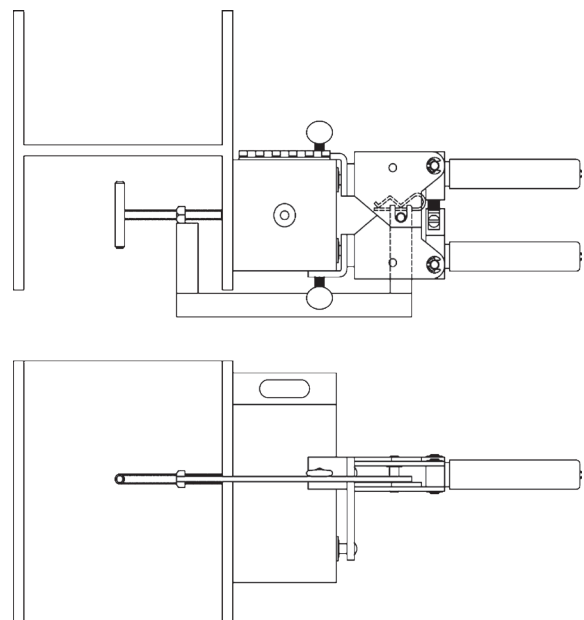
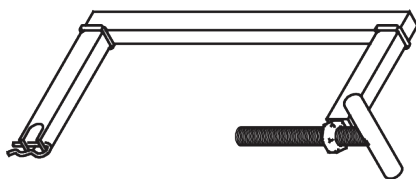
Catalog Number: **40-0106-75**



## Mold Support Clamp

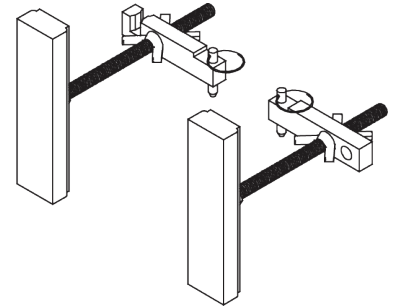
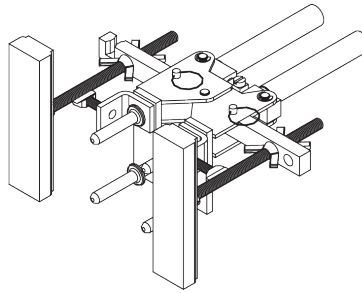
Mold Support Clamp is used to hold a mold in position on a vertical steel column or angle. It is easily attached to the Handle Clamps. The Mold Support Clamp can be used with weld types CS-3, CS-18, CS-23 and CS-27.

Catalog Number: **40-3657-00**



## 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.



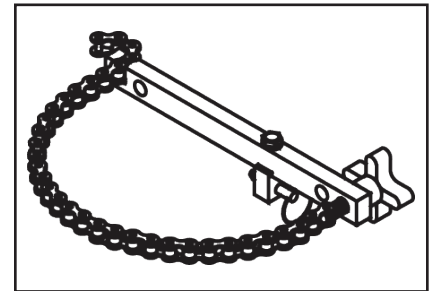
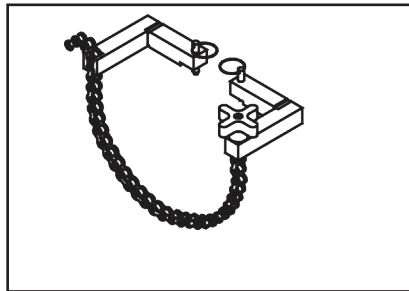
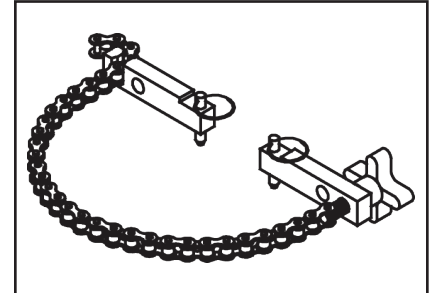
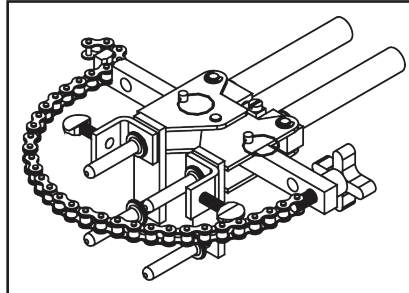
Magnetic Clamps with B-106 Handle		
Catalog Number	Fits Molds w/ Price Key	For Use with Weld Types
40-4431-00	4 & 17	CS-3, 4, 7 & 23

Magnetic Clamp Only		
Catalog Number	Fits Handle Clamps	For Use with Weld Types
40-4431-01	B-106 & B-107	CS-3, 4, 7 & 23

## Horizontal and Vertical Chain Clamps

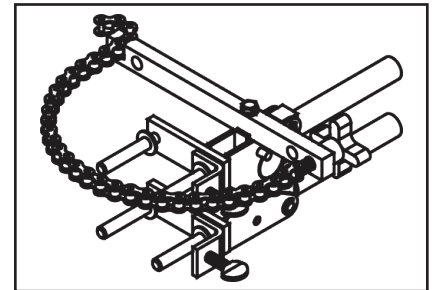
Chain Clamps are used to hold a mold in position on horizontal or vertical pipe up to 4" in diameter. For larger pipe a 20" chain extension is available to allow the chain clamps to be used on pipe up to 10" in diameter. The chain clamp can be purchased complete with B-106 or B-107 Handle Clamps or if 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: 40-0106-27



Chain Clamps			
Catalog Number	Fits Molds W/Price Key	For Use With Weld Types	Pipe Position
40-0106-32	4, 17, 22 & 24	CS-3, 4, 7, 23 & CRE-6	Vertical
40-0107-32	5, 6 & 23	CS-3, 4, 7 & 23	Vertical
40-0106-37	4, 17, 22 & 24	CS-1, 2, 5, 8 & 9	Horizontal
40-0106-41	4, 17	CS-6, 18 & CRE-3	Vertical

Chain Clamp Only (Handle Clamps Not Included)			
Catalog Number	Fits Handle Clamp	For Use With Weld Types	Pipe Position
40-0106-76	B-106 & B-107	CS-3, 4, 7, 23 & CRE-6	Vertical
40-0106-78	B-106 & B-107	CS-1, 2, 5, 8 & 9	Horizontal
40-0106-77	B-106 & B-107	CS-6, 18 & CRE-3	Vertical





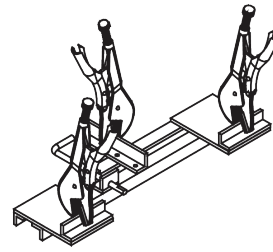
# Exothermic Grounding

thermOweld® Accessories; Cable Clamp, Cable Cleaning, Card Cloth Brush, Mold Cleaners, Packing Material

## Cable Clamp

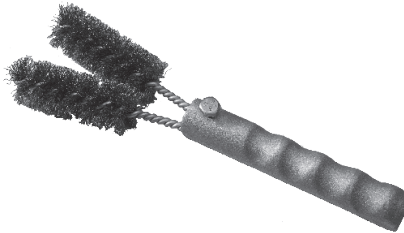
The thermOweld® Cable Clamp is recommended for holding a wide range of cables properly in place in molds when welding cables that are under tension. This prevents the cables from pulling out of the mold when the weld is made.

Cable Clamp: **38-0330-00**

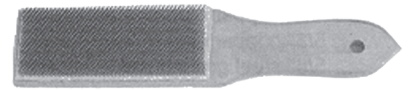


## Cable Cleaning and Card Cloth Brush

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.



The Mold Cleaning Brush **38-3922-00** is used to clean the graphite mold without scratching the mold.

Description	Catalog Number
Cable Cleaning Brush	<b>38-0305-00</b>
Replacement Brush	<b>38-0135-01</b>
Card Cloth Brush	<b>38-0306-00</b>
Mold Cleaning Brush	<b>38-3922-00</b>



## Mold Cleaners

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

**40-0319-01** for cartridge sizes #15 through #65

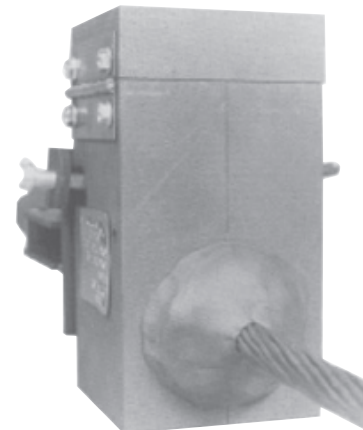
**40-0319-03** for cartridge sizes #90 through #500



## Packing Material

Packing material is used to prevent the molten weld metal from leaking out of the mold. When the cable opening becomes worn out of the mold, 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	<b>38-4129-00</b>
5 lb. package	<b>38-4129-05</b>



## Tool Kit



- |                   |                                       |
|-------------------|---------------------------------------|
| <b>38-0302-00</b> | Tool Kit with Tools Shown except Rasp |
| <b>38-0302-02</b> | Tool Kit with Tools Shown and Rasp    |
| <b>38-0303-00</b> | Tool Box only                         |



## thermOweld® Tools

The **38-0309-00** 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 **38-0904-00**, that attaches to the B38-0309-00 Flint Ignitor. This allows installers to stay approximately 36" away from the mold.

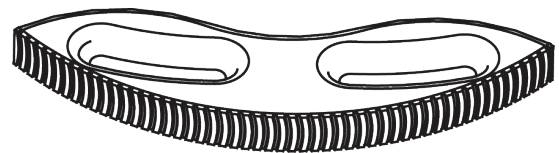
To order replacement flints, specify part number **38-0309-01**.

- |                   |                     |
|-------------------|---------------------|
| <b>38-0309-00</b> | Flint Ignitor       |
| <b>38-0304-00</b> | 8" File             |
| <b>38-0307-00</b> | Crimping Tool       |
| <b>38-3922-00</b> | Mold Cleaning Brush |
| <b>38-0308-00</b> | 6" Screwdriver      |
| <b>38-0305-00</b> | Wire Brush          |
| <b>38-0101-00</b> | Rasp                |
| <b>38-0306-00</b> | Card Cloth Brush    |

## 38-0101-00 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 **38-0101-01**.

Not recommended for use on galvanized surfaces.



## 38-0309-00 Flint Ignitor

The **38-0309-00** Flint Igniter 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 **38-0309-00** Flint Ignitor. This allows installers to stay approximately 36" away from the mold.

To order replacement flints, specify part number **38-0309-01**



## 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.

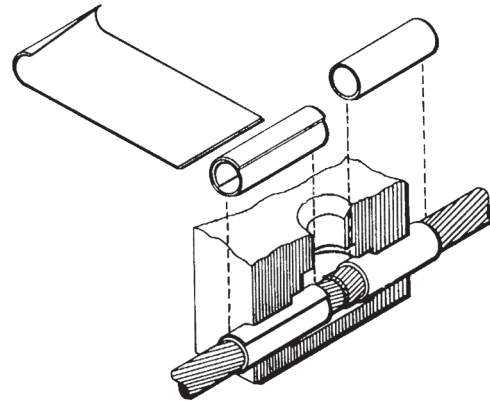
Catalog Number	For Use On
<b>38-3662-01</b>	1/2" Copper Clad or Steel Ground Rod
<b>38-3662-02</b>	5/8" Copper Clad Ground Rod
<b>38-3662-05</b>	5/8" Steel Ground Rod
<b>38-3662-03</b>	3/4" Copper Clad Ground Rod
<b>38-3662-06</b>	3/4" Steel Ground Rod
<b>38-3662-04</b>	1" Copper Clad Ground Rod



## Shim Stock and Adapter Sleeves

thermOweld® 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 **38-0329-00**. 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	<b>38-0200-00</b>	#6 Str. & Sol.	0.15	0.11	1.00
#9, #10	#8, #9, #10	<b>38-0208-00</b>	#4 Sol.	0.20	0.14	1.00
#7, #8, #10	#6, #8	<b>38-0201-00</b>	#4	0.22	0.17	1.00
#6	#5	<b>38-0202-00</b>	#2	0.29	0.19	1.00
#4, #5	#3, #4	<b>38-0207-00</b>	#2	0.30	0.24	1.00
#4	#2	<b>38-0204-00</b>	#1	0.34	0.24	1.00
#2	#1	<b>38-0203-00</b>	1/0	0.37	0.30	1.00
#1	1/0	<b>38-0209-00</b>	2/0	0.42	0.35	1.00
1/0, #1	2/0	<b>38-0205-00</b>	3/0 & 4/0 Sol.	0.46	0.38	1.00
2/0, 1/0	3/0	<b>38-0240-00</b>	4/0	0.52	0.43	1.50
4/0	—	<b>38-0211-00</b>	300 kcmil	0.62	0.54	1.25
250 kcmil	—	<b>38-0212-00</b>	350 kcmil	0.67	0.59	1.25
350, 400 kcmil	—	<b>38-0213-00</b>	500 kcmil	0.81	0.76	1.50
250, 300, 350 kcmil	—	<b>38-0214-00</b>	500 kcmil	0.81	0.70	1.50
750, 800 kcmil	—	<b>38-0215-00</b>	1000 kcmil	1.15	1.05	1.50

Table of Contents

Wiley Solutions - Not Just for Solar Anymore!  
Solutions for Standard or Challenging Wire Management, Bonding, or  
Grounding Applications ..... E-150

Wiley Cable Clips  
Flange Clips..... E-151  
90° Flange Clips..... E-152  
180° Flange Clips..... E-152  
Rail Clips..... E-152

Wiley Bundle Straps..... E-153

Wiley Edge Clip with Cable Tie ..... E-154

Wiley Coated Wire Management  
Coated P-Clips ..... E-155

Wiley Cable Hanger Family ..... E-155

Grounding Lugs ..... E-156

WEEB® Washers (Washer Electrical Equipment Bond)..... E-157

Telecom WEEB® Washer Two-Hole ..... E-164

Telecom WEEB® Washer Single Hole ..... E-165

Bonding Jumper..... E-166  
Tin-plated Braided Copper ..... E-166  
WEEB® Rope Lay Jumpers..... E-169  
Wiley Rope Lay Jumper ..... E-170

Mid-Clamps ..... E-171

Most frequently ordered catalog numbers are highlighted in BLUE

### 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.

**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.

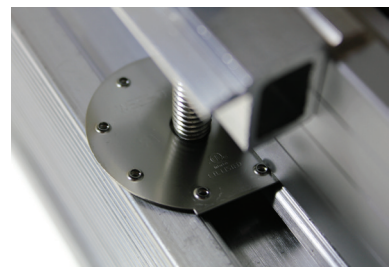
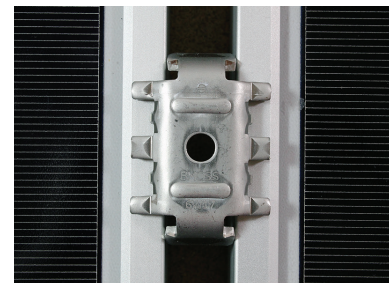
**WEEB® Washers (Washer Electrical Equipment Bond)** eliminate the need for older, more expensive grounding methods, and surface preparation like masking or scratch brushing. The WEEB® teeth pierce through most non-conductive coatings

(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.

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



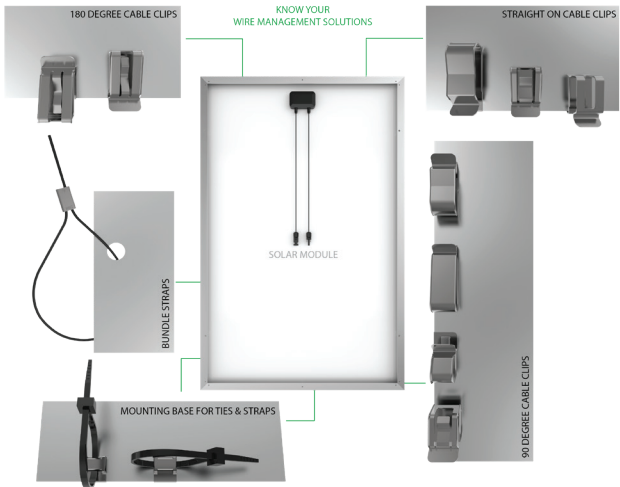




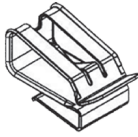
Wiley Cable Clips  
High-quality wire management solutions

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 ASTMB117
- 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				
304 Stainless Steel cable clips that install on the module frame or other equipment flange.				
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-FPV	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3mm

## Wiley Cable Clips (Continued)



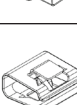
### 90 Degree Flange Clips

304 Stainless Steel cable clips that install parallel or perpendicular on the module frame or other equipment flange.

Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	<b>ACC-F90-1</b>	1 to 2 USE-2 wires or 1 to 2 PV wire	Max. 0.29 [7.50]	1.3 - 2.5mm
	<b>ACC-FPV90</b>	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	<b>ACC-F2-90</b>	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
	<b>ACC-F4-90-1</b>	1 to 4 PV wires	Max. 0.29 [7.50]	1.3 - 2.5mm
	<b>ACC-F490</b>	1 to 4 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	<b>ACC-F4F</b>	1 to 4 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	<b>ACC-F1-270</b>	2 PV wire or 1 Micro Inverter Trunk	Max. 0.55 [14.00]	1.0 - 3.0mm



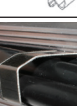
### 180 Degree Flange Clips

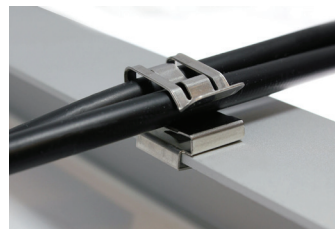
304 Stainless Steel cable clips that install on the flange at 180 degrees.

Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Flange Thickness Accommodated
	<b>ACC-FPV180</b>	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm
	<b>ACC-F1-270</b>	1 to 2 PV wires or 1 Micro Inverter Trunk	Max. 0.55 [14.00]	1.0 - 3.0mm
	<b>ACC-FF180</b>	1 to 2 PV wires	Max. 0.314 [8.00]	1.0 - 3.0mm

### Rail Clips

304 Stainless Steel cable clips that install on the rail, channel, or slot.

Line Image	Catalog Number	Qty of Wires Held	Wire Diameter inch [mm]	Rail Type
	<b>ACC-R2</b>	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
	<b>ACC-R4</b>	1 to 4 PV wires	Max. 0.29 [7.50]	Unirac, Ironrige or Similar Style
	<b>ACC-RBC15</b>	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



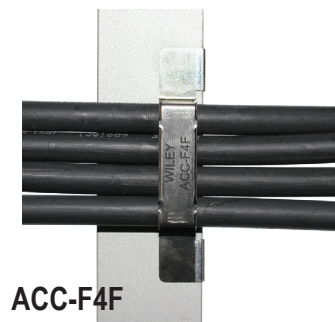
**ACC-F90-1** shown in both orientations



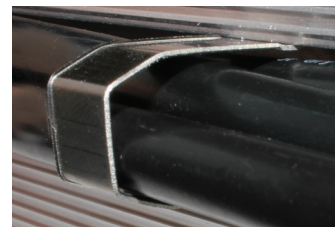
**ACC-F1-270**



**ACC-FPV180**



**ACC-F4F**



**ACC-RBC15** shown

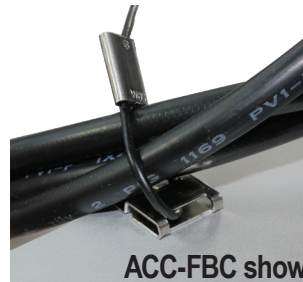
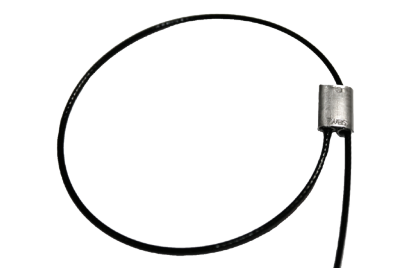
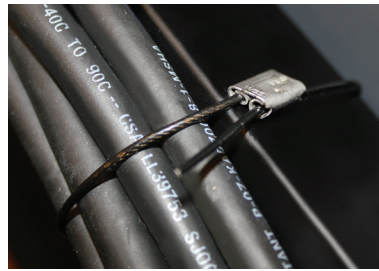
## Wiley Bundle Straps

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.

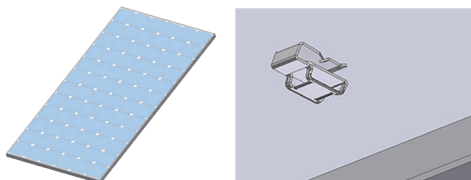
### Features and Benefits:

- 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

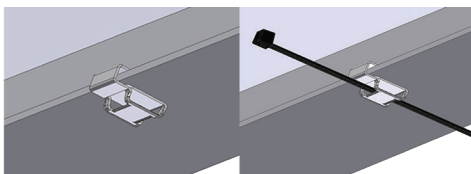


ACC-FBC shown with WBS8V

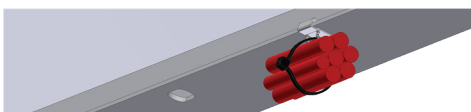
Installing the ACC-FBC with WBS or UNIRAP™ cable tie



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™

### Wiley Bundle Straps

304 Stainless Steel wire covered with vinyl jacket helps protect cable insulation from damage.

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

304 Stainless Steel cable clip used for affixing cable ties to a module flange or similar flange.

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

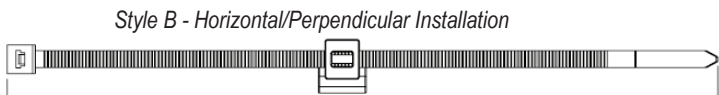


Wiley Edge Clip with Cable Tie (ACC-ECT)  
High-quality wire management solutions

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.

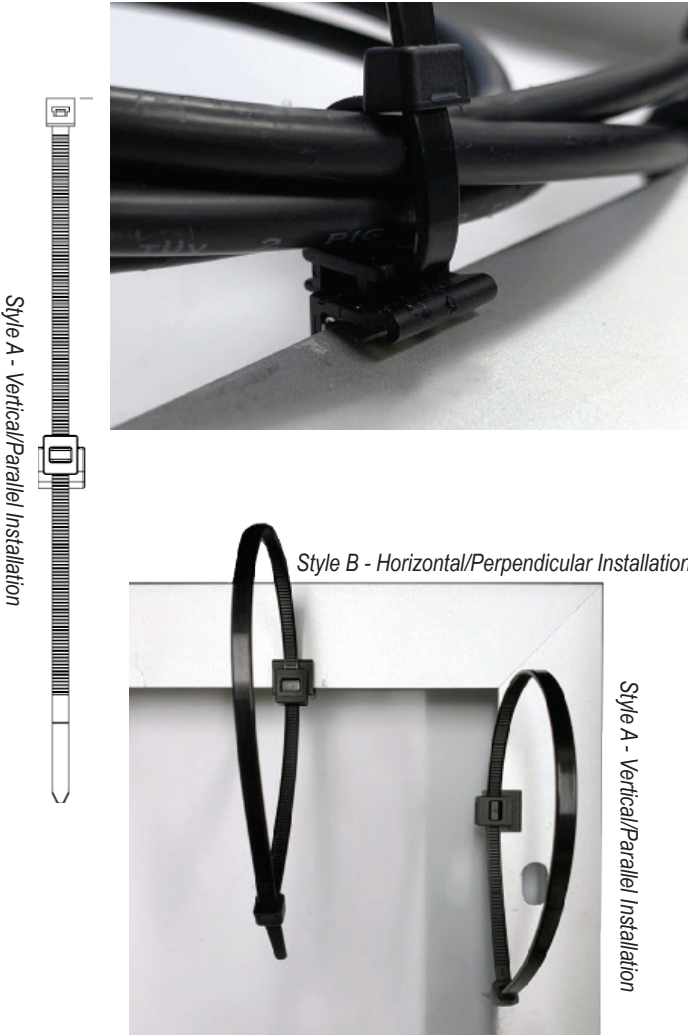
Features and Benefits:

- 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

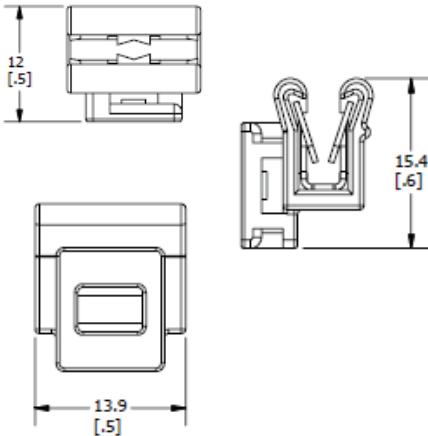


Part Key		
Family	ACC	Acme Cable Clip
Type	ECT	Edge Clip Tie
Style	A	Vertical/Parallel (90°) Installation
	B	Horizontal/Perpendicular (180°) Installation

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

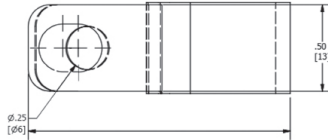


Edge Clip Compartment



## 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 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 [13.0]		
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]		



## WCH - Wiley Cable Hanger Family

### Steel Bundle Securement

The WILEY Cable Hanger family is designed specifically to support cables via mounting or wire management holes in either the module frame or secured around a tracker bolt in a fast, easy one-step hook application. The WCH1(GS) and WCH2(GS) models are compatible with all common module frame geometries including First Solar Series 6. Additionally, the WCH2B10 and WCH2H1090 models are set at a 90° angle making them ideal for use with bi-facial panels. The round cross-section of the hanger ensures the cable insulation is protected from chafing in high wind and tracker applications. Offered in either Stainless or galvanized steel construction, both provide a solution made to last. The round bundle compartment securely holds runs of up to 8 or 16 wires up to 8mm in diameter without allowing significant shifting from tracker movement or wind.



Catalog Number	Material	Bundle Dia.	Wire Accommodation	Installation Location
WCH1	300 Series SS	1.0" [25.4mm]	up to 8 PV wires	Mounting/Wire Mgmt Hole
WCH1GS	Galvanized Steel	1.0" [25.4mm]	up to 8 PV wires	Mounting/Wire Mgmt Hole
WCH2	300 Series SS	2.0" [50.8mm]	up to 20 PV wires	Mounting/Wire Mgmt Hole
WCH2GS	Galvanized Steel	2.0" [50.8mm]	up to 20 PV wires	Mounting/Wire Mgmt Hole
WCH2B10	300 Series SS	2.0" [50.8mm]	up to 20 PV wires	Tracker Bolt
WCH2B10GS	Galvanized Steel	2.0" [50.8mm]	up to 20 PV wires	Tracker Bolt
WCH2H1090	300 Series SS	2.0" [50.8mm]	up to 20 PV wires	Tracker Bolt
WCH2H1090GS	Galvanized Steel	2.0" [50.8mm]	up to 20 PV wires	Tracker Bolt

Vinyl coating available upon request



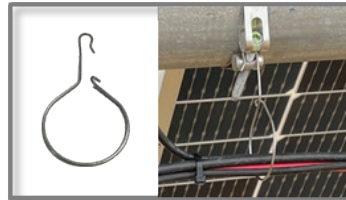


### WCH - Wiley Cable Hanger Family

The WILEY Cable Hanger family is designed specifically to support cables via module frame mounting or wire management holes or secured around a tracker bolt in a fast, easy one-step hook application. With models oriented either straight on or at a 90° angle there are options for both traditional and bi-facial panels. The round cross-section of the hangers ensure the cable insulation is protected from chafing in high wind and with tracker application movement. Offered in either Stainless or galvanized steel construction, both provide a solution made to last.



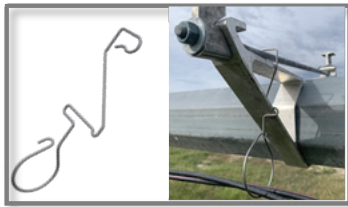
**WCH1 / WCH2**



**WCH2H1090**



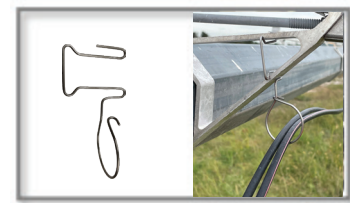
**WCH2B10**



**WCH2ATI**



**WCH2-90-15**



**WCH15ATI / WCH15ATIGS**

Catalog Number	Item #	Material	Bundle Diameter	Wire Quantity	Installation Location	Tracker System
WCH1	50091781	300 Series SS	1.0" [25.4mm]	Up to 8 PV wires	Mounting/Wire Mgmt Hole	N/A
WCH1GS	50120584	G90 Galvanized Steel	1.0" [25.4mm]	Up to 8 PV wires	Mounting/Wire Mgmt Hole	N/A
WCH2	20121393	300 Series SS	2.0" [50.8mm]	Up to 20 PV wires	Mounting/Wire Mgmt Hole	N/A
WCH2GS	50087252	G90 Galvanized Steel	2.0" [50.8mm]	Up to 20 PV wires	Mounting/Wire Mgmt Hole	N/A
WCH2B10	50119026	300 Series SS	2.0" [50.8mm]	Up to 20 PV wires	Tracker Bolt	GameChange and similar
WCHB210GS	50119125	G90 Galvanized Steel	2.0" [50.8mm]	Up to 20 PV wires	Tracker Bolt	GameChange and similar
WCH2H1090	50127837	300 Series SS	2.0" [50.8mm]	Up to 20 PV wires	Tracker Bolt	NexTracker™ (strap bracket) and similar
WCH2H1090GS	50125973	G90 Galvanized Steel	2.0" [50.8mm]	Up to 20 PV wires	Tracker Bolt	NexTracker™ (strap bracket) and similar
WCH2ATI	50123120	300 Series SS	2.0" [50.8mm]	Up to 20 PV wires	Tracker Mounting Bracket/Bolt	ATI and similar
WCH2ATIGS	50129338	G90 Galvanized Steel	2.0" [50.8mm]	Up to 20 PV wires	Tracker Mounting Bracket/Bolt	ATI and similar
WCH15ATI	50131965	300 Series SS	1.5" [38.1mm]	Up to 15 PV Wires	Tracker Bracket	ATI & Similar
WCH15ATIGS	50131966	G90 Galvanized Steel	1.5" [38.1mm]	Up to 15 PV Wires	Tracker Bracket	ATI & Similar
WCH2-90-15	50127833	300 Series SS	2.0" [50.8mm]	Up to 20 PV wires	Mounting/Wire Mgmt Hole or Tracker Bolt	NexTracker™ (U-Bolt) and similar
WCH2-90-15GS	50129116	G90 Galvanized Steel	2.0" [50.8mm]	Up to 20 PV wires	Mounting/Wire Mgmt Hole or Tracker Bolt	NexTracker™ (U-Bolt) and similar

## 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.

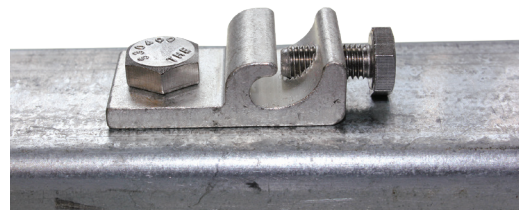
The WEEB® Grounding Lug is installed using stainless steel mounting hardware. When the hardware is tightened, the WEEB® washer's specialized teeth embed into coated (e.g. anodized, powder coated, etc.) metal or any electrically conductive metal to establish a reliable electrical connection.

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.



### 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



WEEB® Grounding Lug							
Utilizes proven WEEB® washer technology to bite through most non-conductive coatings.							
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]		0.32 [8.20]	M8 or 5/16" hardware not included	N	
WEEB-LUG-8.0AS					5/16" hardware included	Y	
WEEB-LUG-8.0UN						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]	M10 or 3/8" hardware not included	N	
Wiley Grounding Lug							
Perfect for galvanized steel applications or anywhere a WEEB® washer is not required.							
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]		0.32 [8.20]	M8 or 5/16" hardware not included		
WILEYLUG8.2		0.709 [18.00]					
WILEYLUG15.8							

WEEB® Washer  
Washer Electrical Equipment Bond

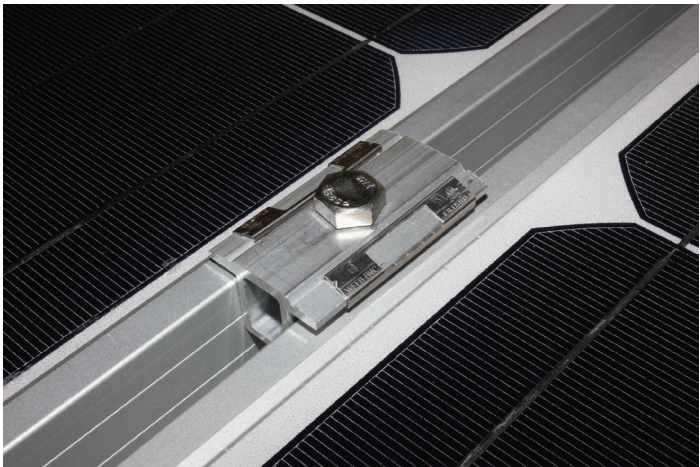
A revolution in bonding, WEEB® washers eliminate the need for older, more expensive grounding methods while also significantly reducing the amount of labor and materials used installations. No surface preparation or masking required.

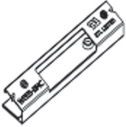


Here's how it works: The WEEB® teeth pierce through most non-conductive coatings (e.g. anodization and powder coating) and embed into the underlying metal thus creating a bonding connection between the mounting surface and the coated metal component that it is installed on or between (e.g. equipment 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.

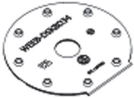

Features and Benefits:

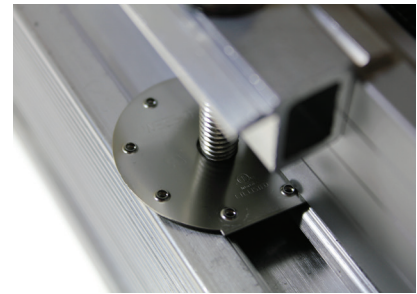
- UL 467 Listed
- UL 2703 Recognized; UL 2703 Listed with certain systems
- Corrosion-resistant 304 stainless steel construction
- Reliability for use throughout the lifetime of the PV system
- Rated for outdoor use
- Multi-use
- Custom designs available upon request

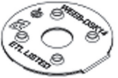
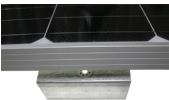
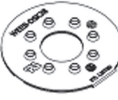
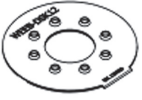


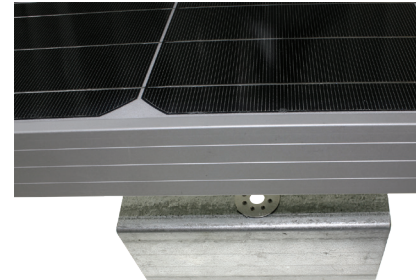
Integrated Bonding Clamp WEEB® Washers						
WEEB® clamp washers easily snap or slide onto a mid-clamp and/or end-clamp for quick installation.						
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-BMC-1	1.57 [40.00]	0.30 [7.60]	0.19 [4.83]	N/A	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						
Universal WEEB® Disk Washers allow for a wide range of compatibility across various racking systems and applications.						
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						
Universal WEEB® Disk Washers allow for a wide range of compatibility across various racking systems and applications.						
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


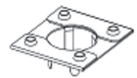

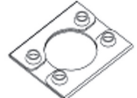
Universal WEEB® FBM washers are used in Solar PV bottom mount applications and can be applied to applications outside of solar.

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


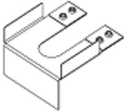
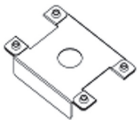
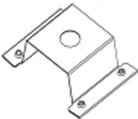

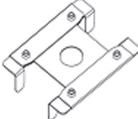
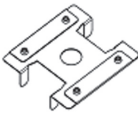
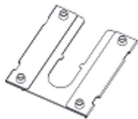
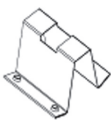
Bottom mounting WEEB® washers bond PV modules to the mounting structure at the module mounting holes; May have features that can be applied to applications outside of solar and secure the WEEB® at holes, slots, or directly to the module frame prior to installation.

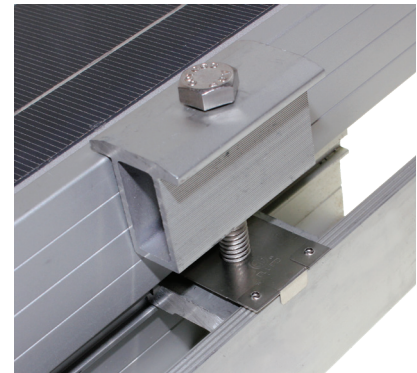
Line Image	Catalog Number	Length inch [mm]	Width inch [mm]	Height inch [mm]	Hole Size inch [mm]	Type
	WEEB-UIR	0.71 [18.00]	0.71 [18.00]	0.03 [0.89]	0.26 [6.75]	Rigid
	WEEB-11.5	0.87 [22.10]	0.79 [20.20]	0.15 [4.00]	0.47 [12.00]	Rigid
	WEEB-9.5	0.71 [18.00]	0.59 [15.10]	0.12 [3.15]	0.39 [10.00]	Rigid
	WEEB-9.5NL	0.71 [18.00]	0.59 [15.10]	0.07 [1.74]	0.39 [10.00]	Rigid





WEEB® Washers (Continued)


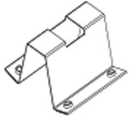
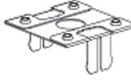
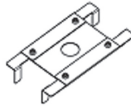
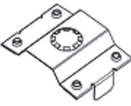



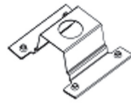
<b>Top Clamp WEEB® Washers</b>						
<i>Top clamp mounting WEEBs bond PV modules to the mounting structure at mid-clamp locations; May be pre-installed or slid onto mid-clamp hardware prior to the securement of modules and can be applied to applications outside of solar.</i>						
Line Image	Catalog 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)

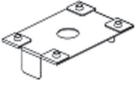
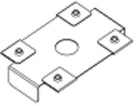
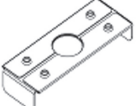


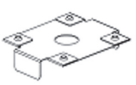
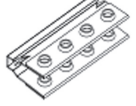

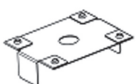
### Top Clamp WEEB® Washers

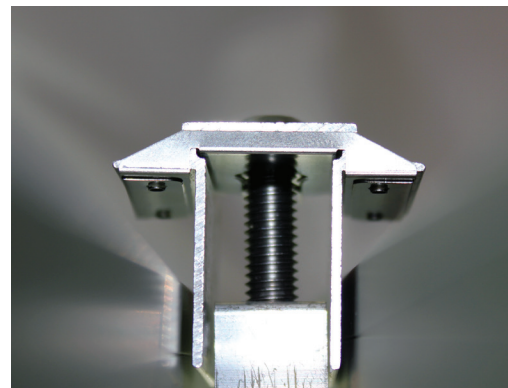
Top clamp mounting WEEBs bond PV modules to the mounting structure at mid-clamp locations; May be pre-installed or slid onto mid-clamp hardware prior to the securement of modules and can be applied to applications outside of solar.

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

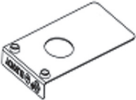
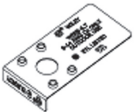
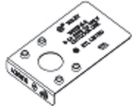



WEEB® Washers (Continued)

Top Clamp WEEB® Washers						
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.						
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



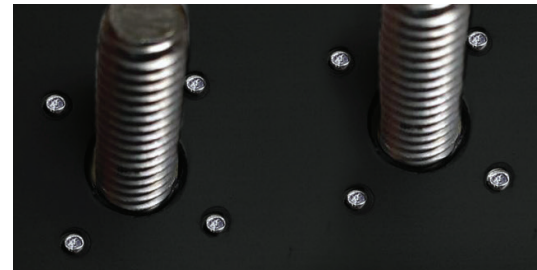
## Telecom WEEB® Washer

### 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"	0.75	2	4	2	2	0.09-0.34	100		
	YA-L-2TC14						TMH263SS		1.00					0.34-0.59			
	YAZ-2TC14						Flex		#8-2 AWG					TMH264SS		1.25	0.59-0.84
	YAZV-2TC14													TMH265SS		1.50	0.84-1.09
	YA-L-2TC14-FX																
	YAV-L-2TC14-FX																
	YAZ-2TC14-FX																
	YAZV-2TC14-FX																
WEEB-2TC38	YA-2TC38	Code	#14-2 AWG	3/8	240	1"	TMH267SS	3/8-16"	1.00	2	4	2	2	0.19-0.44	240		
	YA-L-2TC38						TMH268SS		1.25					0.44-0.69			
	YAZ-2TC38						Flex		#8-2 AWG					TMH269SS		1.50	0.69-0.94
	YAZV-2TC38													TMH270SS		1.75	0.94-1.19
	YGA-2TC38																
	YA-L-2TC38-FX																
	YAV-L-2TC38-FX																
	YAZ-2TC38-FX																
YAZV-2TC38-FX																	



### 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

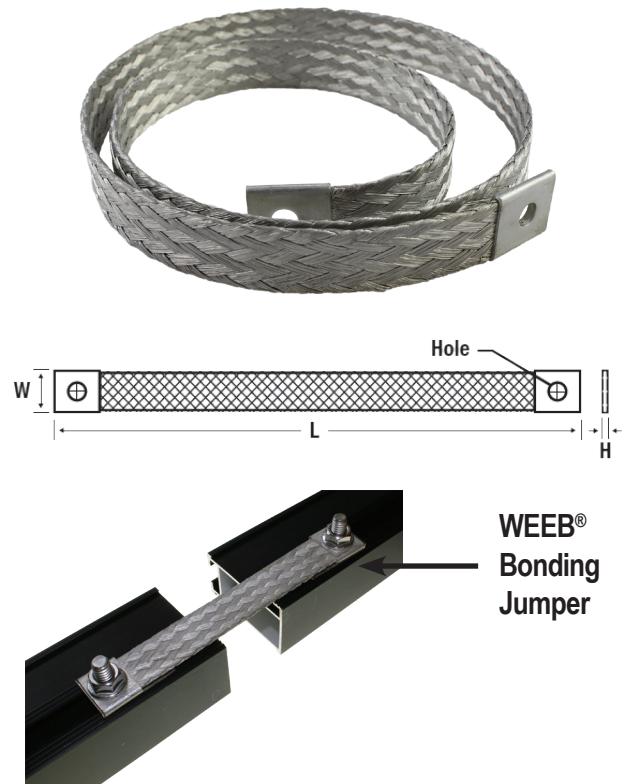
Constructed of corrosion resistant, tin-plated, braided copper, the Wiley line of bonding jumpers are high quality solutions for your system.

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:

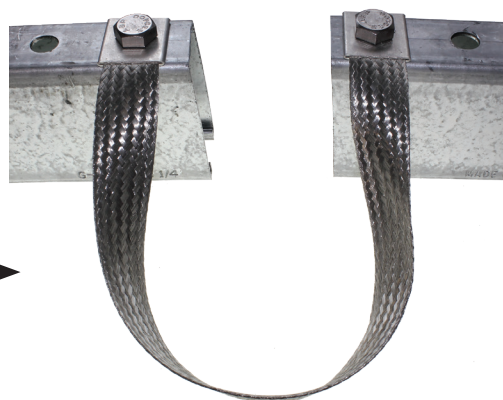
- UL 467 Listed
- UL 2703 Listed
- Corrosion resistant
- Equivalent to #6 AWG copper wire
- Available:
  - With or without WEEB® washer technology
  - Assembled or unassembled
  - With or without installation hardware
- In-stock standard lengths from 6" to 36" (custom lengths available upon request)
- 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 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  
Jumper →



Wiley Bonding Jumpers:		Perfect for tracker applications, galvanized steel or anywhere a WEEB® washer is not required.				
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)

<b>Wiley Bonding Jumpers:</b>		<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]					

## WEEB® Rope Lay Jumper (WEEB-RLJ) Flexible Bonding Jumper Solutions

The WEEB® Rope Lay Jumper is the optimal solution for creating a bonding connection between applications involving moving components with coated surfaces. The WEEB-RLJ type jumpers are flexible in all directions and can be mounted to any coated flat surface creating an immediate bonded connection without the need to remove nonconductive coating. The rope lay jumper is made from tin plated copper stranding and crimped into a high-quality BURNDY® lug. It meets the requirements of both UL467 and UL2703. The WEEB Washer's patented WEEB® Washer 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. Not having to remove nonconductive 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.

At a standard size equivalent to 6 AWG conductor, engineers and installers can be confident in meeting and exceeding bonding requirements in most applications.

The WEEB-RLJ is available with a variety of mounting hole sizes and in three standard lengths. Adding flexibility to both the installation process and applications requirements, custom lengths and mounting configurations are available upon request.

Part Key		
Line	WEEB-RLJ	Rope Lay Jumper with WEEB® Washer
AWG	6C	#6 Conductor
Length	6	6" / 152mm
	12	12" / 305mm
	18	18" / 457mm
Mounting Hole	14	1/4" Hardware
	516	5/16" Hardware
	38	3/8" Hardware

Catalog Number	AWG Size	Length	Mounting Hole Dia.	Hardware Equivalent
WEEB-RLJ6C6-14	#6	6" / 152mm	.27" / 6.8mm	1/4"
WEEB-RLJ6C12-14	#6	12" / 305mm	.27" / 6.8mm	1/4"
WEEB-RLJ6C18-14	#6	18" / 457mm	.27" / 6.8mm	1/4"
WEEB-RLJ6C6-516	#6	6" / 152mm	.33" / 8.4mm	5/16"
WEEB-RLJ6C12-516	#6	12" / 305mm	.33" / 8.4mm	5/16"
WEEB-RLJ6C18-516	#6	18" / 457mm	.33" / 8.4mm	5/16"
WEEB-RLJ6C6-38	#6	6" / 152mm	.39" / 9.9mm	3/8"
WEEB-RLJ6C12-38	#6	12" / 305mm	.39" / 9.9mm	3/8"
WEEB-RLJ6C18-38	#6	18" / 457mm	.39" / 9.9mm	3/8"



### Features and Benefits:

- Bonding connection between moving and stationary coated components with extremely flexible conductor stranding
- Standard mounting geometry and hardware requirements allow quick and easy installation
- Tin plated copper construction ensures durability against the elements and provides the environmental stability required for installation longevity
- The WEEB® Washer is made from corrosion resistant 304 stainless steel which provides outstanding durability and performance
- Offered in a variety of lengths and mounting hardware sizes - custom configurations available upon request
- Listed UL467 and UL2703



## Wiley Rope Lay Jumper (WILEY-RLJ)

### Flexible Bonding Jumper Solutions

The Wiley Rope Lay Jumper is the optimal solution for bonding applications involving moving components. The WILEY-RLJ type jumpers are flexible in all directions and can be mounted to any flat surface. Made from tin plated copper stranding and crimped into a high-quality BURNDY lug, the rope lay jumper meets requirements of both UL467 and UL2703. At a standard size equivalent to 6 AWG conductor, engineers and installers can be confident in meeting and exceeding bonding requirements in most applications. The WILEY-RLJ jumpers are available with a variety of mounting hole sizes and in three standard lengths. Adding flexibility to both the installation process and applications requirements, custom lengths and mounting configurations are available upon request.



### Features and Benefits:

- Bonding connection between moving and stationary coated components with extremely flexible conductor stranding
- Standard mounting geometry and hardware requirements allow quick and easy installation
- Tin plated copper construction ensures durability against the elements and provides the environmental stability required for installation longevity
- Offered in a variety of lengths and mounting hardware sizes - custom configurations available upon request
- Listed UL467 and UL2703

Part Key		
Line	WILEY-RLJ	Standard Rope Lay Jumper
AWG	6C	#6 Conductor
Length	6	6" / 152mm
	12	12" / 305mm
	18	18" / 457mm
Mounting Hole	14	1/4" Hardware
	516	5/16" Hardware
	38	3/8" Hardware

Catalog Number	AWG Size	Length	Mounting Hole Dia.	Hardware Equivalent
WILEY-RLJ6C6-14	#6	6" / 152mm	.27" / 6.8mm	1/4"
WILEY-RLJ6C12-14	#6	12" / 305mm	.27" / 6.8mm	1/4"
WILEY-RLJ6C18-14	#6	18" / 457mm	.27" / 6.8mm	1/4"
WILEY-RLJ6C6-516	#6	6" / 152mm	.33" / 8.4mm	5/16"
WILEY-RLJ6C12-516	#6	12" / 305mm	.33" / 8.4mm	5/16"
WILEY-RLJ6C18-516	#6	18" / 457mm	.33" / 8.4mm	5/16"
WILEY-RLJ6C6-38	#6	6" / 152mm	.39" / 9.9mm	3/8"
WILEY-RLJ6C12-38	#6	12" / 305mm	.39" / 9.9mm	3/8"
WILEY-RLJ6C18-38	#6	18" / 457mm	.39" / 9.9mm	3/8"

## Wiley Clamping Solutions Mid-Clamps

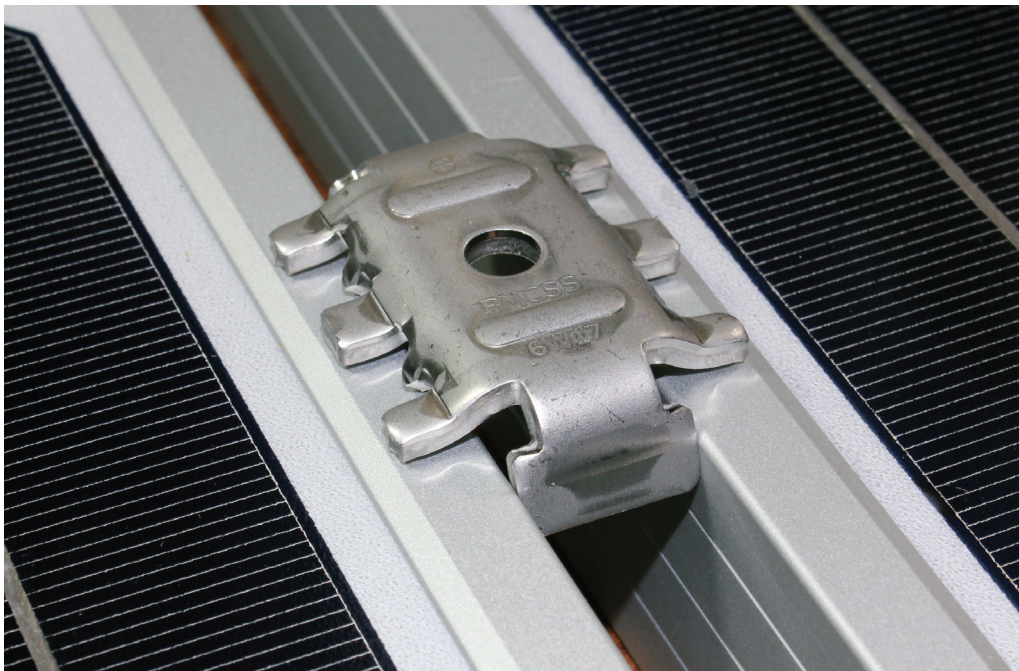
Our universal mid-clamp and adjustable end clamp designs accommodate various module thicknesses. The Wiley Mid-Clamp uses proven WEEB® technology for integrated bonding as well as a quick and easy installation.

### 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					
304 Stainless Steel integrated bonding mid-clamp for module-to-module bonding.					
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]



This page left intentionally blank.