

Grounding  
and Bonding  
Product Guide



# The Bonding Network

## Standards



### ANSI/TIA-607-C; November 2015

- Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises
- Standards and Publications are adopted by TIA in accordance with the American National Standards Institute (ANSI) patent policy



### ANSI/NECA/BICSI 607-2011; 2011

- Standard for telecommunications bonding and grounding planning and installation methods for commercial buildings
- National Electrical Installation Standards (NEIS™) are designed to improve communication among specifiers, purchasers, and suppliers of electrical construction services. This standard has been prepared by BICSI®/NECA® under joint jurisdiction of BICSI and NECA, and approved by consensus ballot in accordance with the requirements of ANSI. This publication is intended to comply with the edition of the National Electrical Code (NEC®) in effect at the time of publication.



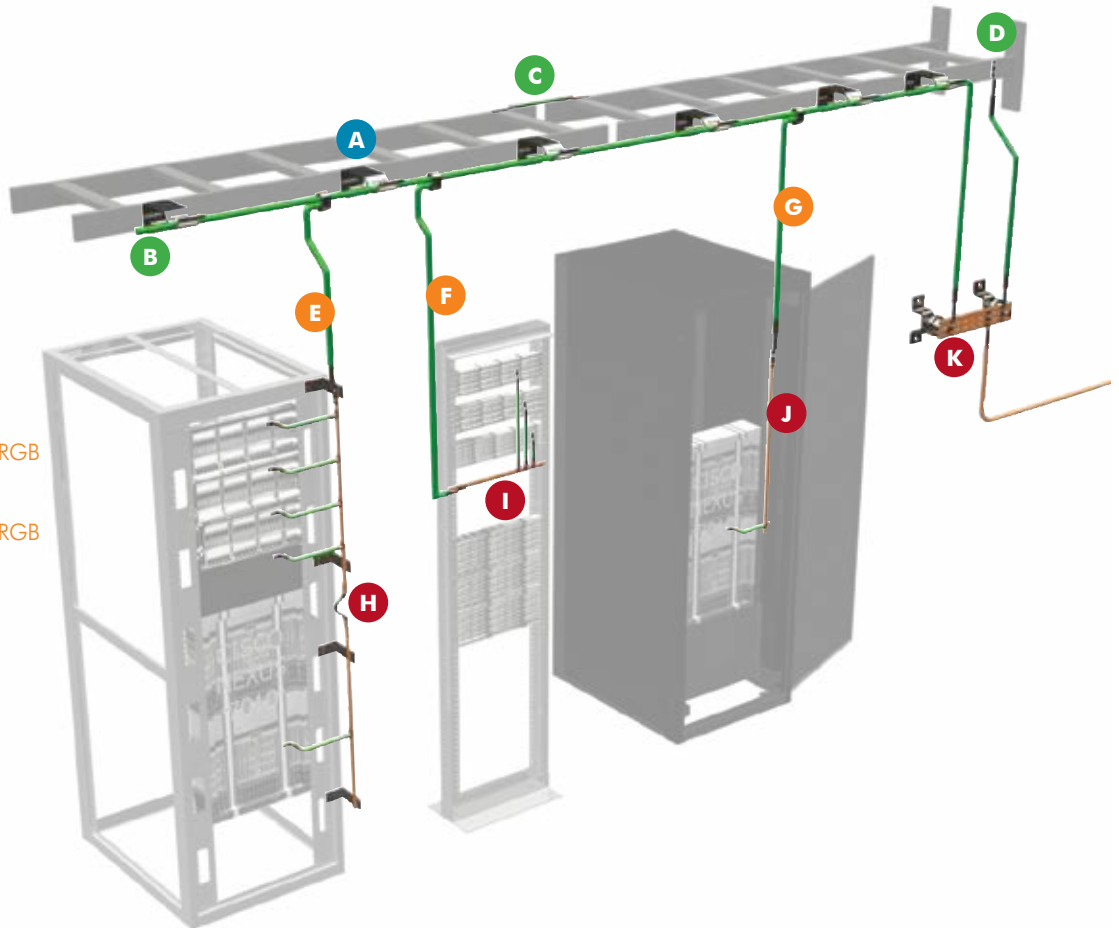
### NEC Article 250

- This article covers general grounding and bonding requirements and practices within electrical installations

The above standards differ; refer to the specified standard to ensure compliance for product selection and installation.

## Room Scenario

- A** TEBC Bracket for Ladder  
HGBTEBCBRKL10
- B** TEBC 12ft with double lug  
HGRKTD144DB
- C** Ladder tray jumper  
HGRKTD9D
- D** Ladder to TGB Conductor  
HGRKTD60DB
- E** Conductor with C-Tap to 76" RGB  
HGRKTD60C46
- F** Conductor with C-Tap to 19" RGB  
HGRKTD60C46
- G** Conductor with C-Tap to 36" RGB  
HGRKTD60C46
- H** 76" x 3/4" RGB Busbar  
HBBBVR76KT
- I** 19" Horizontal RGB  
HBBBHR19KT
- J** 36" x 3/4" RGB Busbar  
HBBBVR36KT
- K** 10" x 2" TGB Busbar  
HBBB14210A



# Grounding Kits

## All Ground Conductor Kits Include:

### Lug and Tap

**LUG**  
Traceable, crimped, die indexed 7, long barrel, inspection window



**TAP**  
C-tap, H-tap



### Accessories

**LABELS**  
Caution label applied at both ends; circle ground reflective sticker

IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER



**ANTIOXIDANT**  
0.5oz tube Penetrox



## Lug Hole Mounting Dimensions

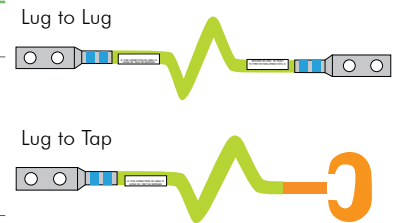
Lug Style	Hole Diameter	Hole Spacing
S	0.25"	-
D/DN	0.25"	0.625"
DA	0.25"	0.75"
DB	0.25"	1.0"

## Standard Ground Conductor Kit Applications

Application	Lug	Length (in)	Lug	Tap	Catalog No.
Rack busbar suppressor to rail	HGBL06D	30"	HGBL06S		<b>HGRKTD30S</b>
Front to rear rail jumper	HGBL06D	30"	HGBL06DN		<b>HGRKTD30DN</b>
Front to rear rail jumper	HGBL06D	45"	HGBL06DN		<b>HGRKTD45DN</b>
Rack busbar to wall busbar	HGBL06DA	144"	HGBL06D		<b>HGRKTD144D</b>
Fiber armor bond	HGBL06D	30"	HGBKS25		<b>HGRKTD30KS25</b>
Horizontal busbar to conductor	HGBL06DA	60"		HYC4C6	<b>HGRKTD60C46</b>
Rack rail to conductor	HGBL06D	60"		HYC4C6	<b>HGRKTD60C46</b>




## Custom Ground Conductor Kits

Kit Base	Lugs	Lengths (in)	Taps
<b>HGRKT</b>	<b>S</b> = HGBL06S <b>D</b> = HGBL06D <b>DA</b> = HGBL06DA <b>DB</b> = HGBL06DB	<b>30"</b> <b>45"</b> <b>60"</b> <b>90"</b> <b>144"</b>	<b>YH6</b> = HYH6C6C <b>C46</b> = HYC4C6 <b>YC4</b> = HYC4L12


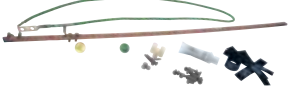




Contact Customer Service for available configurations.

## Jumper Kits

Type	Contents	Material	Catalog No.
 Ladder Tray	(1) 9" #6 conductor with long barrel lugs crimped on both ends, stainless steel hardware, labeled, antioxidant	Copper	<b>HGRKTD9D</b>
 Ladder Tray	(10) mechanical lay-in terminals, (5) 9" #6 conductors, stainless steel hardware, labels	Aluminum	<b>HGRKTKA9KA5</b>
 Wire Basket	(10) copper split bolts, (5) 9" #6 conductors, stainless steel hardware, labels	Copper	<b>HGRKTWB5</b>

## Busbar Kits

Type	Contents	Material	Catalog No.
 Horizontal 19"	Busbar, insulators, stainless steel hardware, 60" #6 AWG conductor, ESD Port, Antioxidant	Copper Tin-plated	<b>HGRKTHC</b> <b>HGRKTHT</b>
 Vertical 36"	Busbar, insulators, stainless steel hardware, 60" #6 AWG conductor, ESD Port, Antioxidant	Copper Tin-plated	<b>HGRKTV C</b> <b>HGRKTV T</b>
 SBB/TGB	2" x 10", insulators, stainless steel hardware, (1) #6 lug, (1) #2 lug, (2) 2/0 lug, (1) 4/0 lug, Antioxidant	Copper	<b>HGRKTTGB10A</b>
 MBB/TMGB	4" x 16", insulators, stainless steel hardware, (1) #6 lug, (1) #2 lug, (2) 2/0 lug, (1) 4/0 lug, Antioxidant	Copper	<b>HGRKTTMGB16H</b>

# Compression Lugs

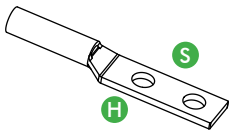
- Solid copper construction and tin plated
- UL Listed 90° C, 600V to 35kV
- Die Index Traceable
- UL and CSA Listed



## Lug Reference

Hole Diameter: Lug Number 38 = 3/8" = 0.375"  
 Window: Inspect Wire  
 Barrel Length: Long Series  
 Die Index: Match with Traceable Die

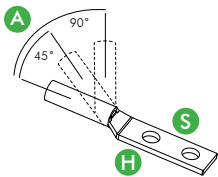
## Standard Lugs



Style	Single		Double			
H Hole	0.25"	0.375"	0.25"	0.25"	0.375"	0.25"
S Spacing			0.625"	0.75"	1"	1.5"

Gauge	Qty	Color	Die Index	Single		Double				
#6	50	Blue	7	<b>HGBL06S</b>	<b>HGBL06D</b>	<b>HGBL06DA</b>	<b>HGBL06DB</b>	<b>HGBL06DK</b>		
#4	50	Gray	8	<b>HGBL04S</b>	<b>HGBL04D</b>	<b>HGBL04DA</b>	<b>HGBL04DB</b>			
#2	25	Brown	10	<b>HGBL02S</b>	<b>HGBL02SA</b>	<b>HGBL02D</b>	<b>HGBL02DA</b>	<b>HGBL02DB</b>		
#1	25	Green	11	<b>HGBL01S</b>	<b>HGBL01SA</b>	<b>HGBL01D</b>	<b>HGBL01DA</b>	<b>HGBL01DB</b>		
1/0	10	Pink	12	<b>HGBL10S</b>	<b>HGBL10SA</b>	<b>HGBL10D</b>	<b>HGBL10DA</b>	<b>HGBL10DB</b>		
2/0	10	Black	13		<b>HGBL20SA</b>	<b>HGBL20D</b>	<b>HGBL20DA</b>	<b>HGBL20DB</b>		
3/0	10	Orange	14		<b>HGBL30SA</b>		<b>HGBL30DA</b>	<b>HGBL30DB</b>		
4/0	10	Purple	15					<b>HGBL40DB</b>		
250kcmil	5	Yellow	16					<b>HGBL250DB</b>		
300kcmil	5	White	17					<b>HGBL300DB</b>		
350kcmil	5	Red	18					<b>HGBL350DB</b>		
500kcmil	5	Brown	20					<b>HGBL500DB</b>		
600kcmil	5	Green	22					<b>HGBL600DB</b>		
750kcmil	5	Black	24					<b>HGBL750DB</b>		

## Angled Lugs











Style	Single		Double			
H Hole	0.25"	0.25"	0.25"	0.25"	0.375"	0.25"
S Spacing			0.625"	0.625"	1"	1.5"
A Angle	45°	90°	45°	90°	90°	90°

Gauge	Qty	Color	Die Index	Single		Double			
#6	50	Blue	7	<b>HGBL06SF</b>	<b>HGBL06SN</b>	<b>HGBL06D45</b>	<b>HGBL06D90</b>	<b>HGBL06DB90</b>	<b>HGBL06DKN</b>
#4	50	Gray	8	<b>HGBL04SF</b>		<b>HGBL04D45</b>	<b>HGBL04D90</b>	<b>HGBL04DB90</b>	
#2	25	Brown	10	<b>HGBL02SF</b>		<b>HGBL02D45</b>	<b>HGBL02D90</b>	<b>HGBL02DB90</b>	
1/0	10	Pink	12			<b>HGBL10D45</b>	<b>HGBL10D90</b>	<b>HGBL10DB90</b>	

# Busbars

- For all connections to busbars, oxidation must be scrubbed away and the application of an antioxidant is required.
- Add "TP" to the end of any busbar Catalog Number for 99% Copper Tin Plated.

## Busbars

Includes	Height	Length	Thickness	Hole Size			Catalog No.
				Hole Space	0.25"	0.25"	
Insulators, mounting hardware 	0.75"	19"	0.25"	5	2		<b>HBBBHR19KT</b>
Insulators, mounting hardware 	.75"	36"	0.25"	8		2	<b>HBBBVR36KT</b>
Insulators, mounting hardware, 8" braid 	.75"	76"	0.25"	16			<b>HBBBVR76KT</b>
Insulators, bracket 	2"	10"	0.25"	8			<b>HBBB14210A</b>
Insulators, bracket 	2"	24"	0.25"	9	9		<b>HBBB14224B</b>
Insulators, bracket 	4"	16"	0.25"			8	<b>HBBB14416G</b>
Insulators, bracket 	4"	16"	0.25"		8	8	<b>HBBB14416H</b>
Insulators, bracket 	4"	20"	0.25"		17	17	<b>HBBB14420J</b>

Note: Lug mounting dimensions are color coded to assist in pairing lugs to busbars.

# Compression Taps



## Thin Wall C-Taps

Qty	Run-Tap Stranded	Run-Tap Stranded	Run-Tap Stranded	Length	Color Code	No. Ribs	Die Index	HW Series (No. of crimps)	HU Series (No. of crimps)	Catalog No.
25	6-6	-	-	1.18"	Brown	1	10	HW2CVT(2)	HUC4	<b>HYC4L12</b>
25	4-4	2-6	-	1.18"	Pink	1	12	HW25VT (2)	HUC2	<b>HYC2L12</b>
10	2-4	1-6	-	1.75"	Black	2	13	HW26VT (2)	HUC1	<b>HYC1L12</b>
10	2-2	1-4	1/0-4	1.75"	Orange	2	14	HW27VT(3)	HU25	<b>HYC25L12</b>
5	1-1	1/0-2	2/0-2	1.75"	Purple	2	15	HW28VT(3)	HU26	<b>HYC26L12</b>
5	1/0-1/0	2/0-2	3/0-2	1.75"	Yellow	2	16	HW29VT(3)	-	<b>HYC27L12</b>

## Direct Burial C-Taps

Qty	Run-Tap Stranded	Run-Tap Stranded	Run-Tap Stranded	Length	Die Index	HW Series (No. of crimps)	HU Series (No. of crimps)	Catalog No.
10	6-6	4-6	-	0.625"	BG	HWBG (2)	HUBG (2)	<b>HYC4C6</b>
10	4-4	4-6	-	0.625"	BG	HWBG (2)	HUBG (2)	<b>HYC4C4</b>
10	2-4	2-6	-	0.75"	C	HWCC (2)	HUC (2)	<b>HYC2C4</b>
10	2-2	-	-	0.75"	C	HWCC (2)	HUC (2)	<b>HYC2C2</b>
5	2/0-6	2/0-4	2/0-2	0.875"	0	-	HU0	<b>HYC26C2</b>
5	2/0-2/0	-	-	0.875"	0	-	HU0	<b>HYC26C26</b>
1	4/0-6	4/0-4	4/0-2	1.07"	D3	-	HUD3	<b>HYC28C2</b>
1	4/0-2/0	-	-	1.07"	D3	-	HUD3	<b>HYC28C26</b>
1	4/0-4/0	-	-	1.07"	D3	-	HUD3	<b>HYC28C28</b>

## H-Taps

Qty	Run-Tap Stranded	Run-Tap Stranded	Run-Tap Stranded	Length	Color Code	Die Index	HW Series	HU Series	Catalog No.
1	6-6	-	-	0.6"	Orange	BG	HWBG	HUBG	<b>HYH6C6C</b>
1	2-2,4,6	4-4,6	-	0.75"	Brown	C	HWCC	HUC	<b>HYH2C2C</b>
1	4/0-2,6	2/0-2,6	1/0-2,6	0.9"	Purple	654	-	HU654	<b>HYH292C</b>
1	4/0-4/0,2	3/0-3/0,2	2/0-2/0,2	0.9"	Purple	654	-	HU654	<b>HYH2929</b>
1	500-250,1/0	350-250,1/0	4/0-1/0	1.0	Brown	1104	-	HU1104	<b>HYH3429</b>
1	500-500,4/0	350-350,4/0	-	1.0	Brown	1104	-	HU1104	<b>HYH3434</b>
1	750-4/0,1/0	650-4/0,1/0	500-4/0,1/0	0.95	Yellow	K-R	-	HUKR	<b>HYH3931</b>
1	750-750,350	650-650,350	500-350	1.25	Yellow	K-R	-	HUKR	<b>HYH3939</b>







## H-Taps with Covers

Qty	Run-Tap Stranded	Run-Tap Stranded	Run-Tap Stranded	Length	Color Code	Die Index	HW Series	HU Series	Catalog No.
1	2-2,4,6	4-4,6	-	0.75"	Brown	C	HWCC	HUC	<b>HYH2CWC</b>
1	4/0-2,6	2/0-2,6	1/0-2,6	0.9"	Purple	654	-	HU654	<b>HYH29WC</b>
1	4/0-4/0,2	3/0-3/0,2	2/0-2/0,2	0.9"	Purple	654	-	HU654	<b>HYH2929WC</b>




## Covers for H-Taps

Qty	H-Tap Size	Color Code	Clear Cover	Black Cover
1	HYH6C	Orange	<b>HCCFBGFR</b>	<b>HCFBGFR</b>
1	HYH2C	Brown	<b>HCCFOFR</b>	<b>HCFOFR</b>
1	HYH29	Purple	<b>HCCDFR</b>	<b>HCFDFR</b>
1	HYH34	Brown	<b>HCCFN</b>	<b>HCFN</b>
1	HYH39	Yellow	<b>HCCFR</b>	<b>HCFR</b>




## Tools

	Compression	Contents	Die Type	Catalog No.
	6 ton	Automatic compression tool, (2) 18V lithium batteries, charging station, carrying case	HW Series	<b>HPAT600LI</b>
	9,000lb	Manual compression tool, built in BG die, 24" handles	HW Series	<b>HMD7</b>
	8,000lb	Manual compression tool, metal carrying case with die holders	HX Series	<b>HOOR840</b>
	12 ton	Automatic compression tool, (2) 18V lithium batteries, charging station, carrying case	HU Series	<b>HPAT750LI</b>
	12 ton	Manual compression tool, 24" handles, carrying case	HU Series	<b>HY750CHSXT</b>
	6,000lb	Manual compression tool, #6 to 4/0 lug dies integrated in tool head, 26" handles	Integrated	<b>HMRC840</b>

## Tool Dies

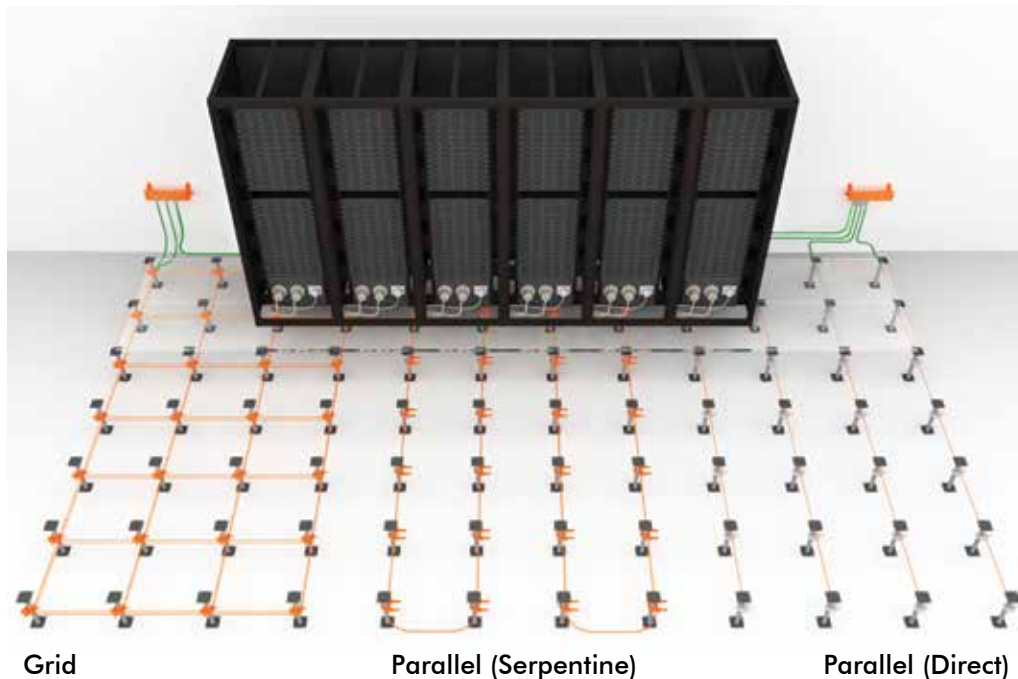
HW Series				HX Series				HU Series			
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Lugs	Die	Taps	Die	Lugs	Die	Taps	Die	Lugs	Die	Taps	Die
<b>HW5CRT</b>	#6	<b>HWCC</b>	C	<b>HX5CRT</b>	#6	<b>HXBG</b>	BG	<b>HU5CRT</b>	#6	<b>HU1105</b>	1105
<b>HW4CRT</b>	#4	<b>HW0</b>	0	<b>HX4CRT</b>	#4			<b>HU4CRT</b>	#4	<b>HU1104</b>	1104
<b>HW2CRT</b>	#2	<b>HW28K</b>	CUTOFF	<b>HX2CRT</b>	#2			<b>HU2CRT</b>	#2	<b>HU654</b>	654
<b>HW1CRT</b>	#1	<b>HWBG</b>	BG	<b>HX1CRT</b>	#1			<b>HU1CRT</b>	#1	<b>HU997</b>	997
<b>HW25RT</b>	1/0	<b>HW2CVT</b>	10	<b>HX25RT</b>	1/0			<b>HU25RT</b>	1/0	<b>HUC4</b>	C4
<b>HW26RT</b>	2/0	<b>HW25VT</b>	12	<b>HX26RT</b>	2/0			<b>HU26RT</b>	2/0	<b>HUC2</b>	C2
<b>HW27RT</b>	3/0	<b>HW26VT</b>	13	<b>HX27RT</b>	3/0			<b>HU27RT</b>	3/0	<b>HUC1</b>	C1
<b>HW28VT</b>	4/0	<b>HW27VT</b>	14					<b>HU28RT</b>	4/0	<b>HUC25</b>	C25
<b>HW29VT</b>	250kcmil	<b>HW28VT</b>	15					<b>HU29RT</b>	250kcmil	<b>HUC</b>	C
<b>HW30VT</b>	300kcmil	<b>HW29VT</b>	16					<b>HU30RT</b>	300kcmil	<b>HU0</b>	0
<b>HW31VT</b>	350kcmil							<b>HU31RT</b>	350kcmil	<b>HUBG</b>	BG
<b>HW34VT</b>	400kcmil							<b>HU34RT</b>	400kcmil	<b>HUC25</b>	26
								<b>HU36RT</b>	500kcmil		
								<b>HU39RT</b>	750kcmil		

## Tool Accessories




	Description	Contents	Catalog No.
	Torque Wrench	30–150 in-lb, carrying case and certificate of calibration	<b>HBT30150</b>
		150–750 in-lb, carrying case and certificate of calibration	<b>HBT150750</b>
	Case	Die tree for use with HW and HX series dies, holds 6 sets*	<b>HWDIETREE</b>
		Die case for use with HW and HX series dies, holds 12 sets*	<b>HWDIECASE</b>
		Die case for use with HU series dies, holds 15 sets*	<b>HUWIECASE</b>

\*Dies not included

# Clamps



## Raised Floor Pedestal Clamps

	Pedestal	Wire Range	Configuration	Hardware	Install Torque	Catalog No.
	0.75"-1.5" Square 0.75"-1.875" Round	#6 – 4/0AWG	Grid or Parallel	Stainless Steel 1/2"	120in-lb Conductor 180in-lb Clamp	<b>HGBGXP1828RF</b>
	1.0"-1.25" Round	#4 – 2/0AWG	Parallel	Silicon Bronze 9/16"	240in-lb	<b>HGBGP1526G1</b>
	0.75"-1.0" Round or Square	#8 – 2AWG	Parallel	Silicon Bronze 9/16"	240in-lb	<b>HGBGRF4C3</b>

Note: Torque values may differ based on the Grounding and Bonding Standard selected.  
 The Mesh Bonding Network shall have a support attached at a maximum of 3' (36") intervals.

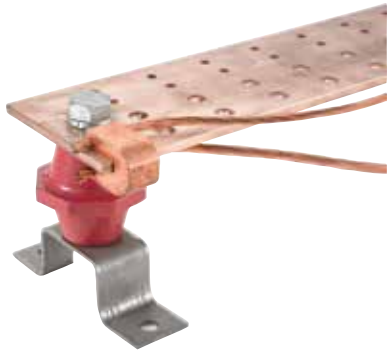
## Pipe Clamps

	I.P.S. Pipe Diameter	Height	Width	Conductor Range	U-Bolt Size	Nut Size	Catalog No.
	1.0"	2-7/8"	2-5/8"	#4-2/0	3/8"	9/16"	<b>HGBGAR1526</b>
	1.5"	3-1/2"	3"	#4-2/0	3/8"	9/16"	<b>HGBGAR1726</b>
	2.0"	4"	3-1/4"	#4-2/0	3/8"	9/16"	<b>HGBGAR1826</b>
	2.5"	4-1/4"	3-3/4"	#4-2/0	3/8"	9/16"	<b>HGBGAR1926</b>
	3.0"	5"	4-1/4"	#4-2/0	3/8"	9/16"	<b>HGBGAR2026</b>
	3.5"	5-5/8"	4-3/4"	#4-2/0	3/8"	9/16"	<b>HGBGAR2126</b>
	4.0"	6-1/4"	5-3/8"	#4-2/0	3/8"	9/16"	<b>HGBGAR2226</b>
	5.0"	6-3/8"	5-7/8"	#4-2/0	3/8"	9/16"	<b>HGBGAR2426</b>
	6.0"	8-13/16"	8-3/8"	2-250kcmil	1/2"	3/4"	<b>HGBGAR8629</b>

Note: All pipe clamps secure the grounding conductor to the pipe in a parallel or perpendicular manner.



# Irreversible Connectors





Irreversible Busbar and I-Beam Connectors provide a high level of bonding security and are as permanent as welding.

## Typical Busbar Connector Applications

- TGB to GE
- TGB to TBB
- TGB to beam steel
- TGB to TGB
- TGB to mesh BN

## Busbar Connectors

	Quantity	Dimensions	Wire 1	Wire 2	Die	Catalog No.
	1	1.5" x 1.37" x 0.81"	#2	#6	HU1105	<b>HYG14B2TC2C6C</b>
	1	1.5" x 1.37" x 0.81"	#2	#2	HU1105	<b>HYG14B2TC2C2C</b>
	1	1.5" x 1.37" x 0.81"	1/0-4/0	-	HU1105	<b>HYG14BTC28</b>
	1	1.5" x 1.37" x 0.81"	#2-2/0	-	HU1105	<b>HYG14BTC26</b>




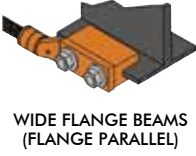
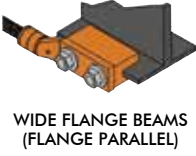

Note: Individually packaged, Penetrox applied, compatible with 0.25" thick busbars.

## Typical I-Beam Connector Applications

- Steel beam to TBB
- Steel beam to TGB
- Steel beam to TMGB



## I-Beam Connectors

	Quantity	Steel Flange		Flange I Range	Die	Catalog No.	
	1	Standard			0.250" – 0.338"	HU1105	<b>HYGIBS338</b>
	1				0.338" – 0.400"	HU1105	<b>HYGIBS400</b>
	1				0.400" – 0.462"	HU1105	<b>HYGIBS462</b>
	1				0.462" – 0.500"	HU1105	<b>HYGIBS550</b>
	1	Wide			0.250" – 0.338"	HU1105	<b>HYGIBW338</b>
	1				0.338" – 0.400"	HU1105	<b>HYGIBW400</b>
	1				0.400" – 0.462"	HU1105	<b>HYGIBW462</b>
	1				0.462" – 0.500"	HU1105	<b>HYGIBW550</b>

Note: Includes heavy duty lug mounting hardware: (2) 0.42" threaded studs, (2) flat washers, (2) lock washers, (2) hex nuts.  
Hole spacing for heavy duty HYGHA lugs.





## Heavy Duty Lugs

	Quantity	Conductor Size	Hole Size	Spacing	Die Index	Die	Catalog No.
	1	#2	0.56"	1.75"	11	HU1CRT	<b>HYGHA02</b>
	1	1/0	0.56"	1.75"	14	HU27RT	<b>HYGHA25</b>
	1	2/0	0.56"	1.75"	15	HU28RT	<b>HYGHA26</b>
	1	3/0	0.56"	1.75"	16	HU29RT (2)	<b>HYGHA27</b>


Note: Individually packaged, Penetrox filled, compatible with HYGIB I-beam connectors.

# Mechanical Connectors


## Terminals

	Qty	Minimum	Maximum	Material	Mount Hole Diameter	Torque (in lb)	Catalog No.
	100	#14	#6	Aluminum	0.25"	45	<b>HGBKA6U</b>
	100	#14	#4	Aluminum	0.22"	35	<b>HGBBGBL4</b>
	100	#14	#6	Copper	0.19"	45	<b>HGBKLU35</b>
	100	#14	#4	Copper	0.22"	35	<b>HGBCL501</b>


## On-Rail Terminal

	Qty	Minimum	Maximum	Material	Mount Hole Diameter	Hole Spacing	Catalog No.
	1	#14	2/0	Aluminum	0.31"	0.625"	<b>HGBKARB</b>


## Split Bolt Connectors

	Qty	STR Min Run and Tap	STR Max Run and Tap	SOL Max Run and Tap	Material	Bolt Size	Length	Torque (in lb)	Catalog No.
	50	#8	#6	#6	Copper	7/16"	1.14"	165	<b>HGBKS17</b>
	50	#8	#4	#4	Copper	1/2"	1.20"	165	<b>HGBKS20</b>
	50	#6	#3	#2	Copper	19/32"	1.50"	275	<b>HGBKS22</b>
	25	#6	#2	#1	Copper	5/8"	1.54"	275	<b>HGBKS23</b>
	25	#4	1/0	2/0	Copper	3/4"	1.77"	385	<b>HGBKS25</b>
	10	#2	2/0	3/0	Copper	7/8"	1.94"	385	<b>HGBKS26</b>
	10	#1	3/0	4/0	Copper	1 1/8"	1.86"	500	<b>HGBKS27</b>
	5	#1	250kcmil	4/0	Copper	1 1/8"	2.07"	650	<b>HGBKS29</b>

## Split Bolt Covers

	Qty	Size Minimum	Size Maximum	Color	Catalog No.
	1	HGBKS17	HGBKS20	Black	<b>HGBSC4</b>
	1	HGBKS22	HGBKS23	Black	<b>HGBSC2</b>
	1	HGBKS25	HGBKS26	Black	<b>HGBSC20</b>

## ShieldBond Connector






	Qty	Description	Catalog No.
	100	ShieldBond connector kits for cable jackets. Each kit includes brass screw and nut, (2) retaining washers, (1) gripping. Install tool included.	<b>BC285SB100</b>

## Installation Accessories


Description	Qty	Catalog No.	Description	Qty	Catalog No.
 ESD port for 4mm banana plug; 0.5oz Penetrox; ESD Label; (2) #12-24 TFS; (2) M6 stainless TFS	10	<b>HGBESDKT10</b>	 ESD cloth bracelet; 6ft cord; 4mm banana plug	1	<b>HGBESDBC</b>
 1/4" belleville washer	50	<b>HGB25CNWH</b>	 ESD metal bracelet; 6ft cord; 4mm banana plug	1	<b>HGBESDBM</b>
 3/8" belleville washer	50	<b>HGB38CNWH</b>	 3/16" drill bit for steel material and 1/4" thread forming screw	1	<b>HGB025DBS</b>
 #12-24 x 3/4" stainless steel screws	50	<b>HGB1224ST</b>	 Wire brush for power drill	1	<b>HGBCWB2</b>
 M6 x 16mm stainless steel screws	50	<b>HGBM6ST</b>	 2" x 4" abrasive pad	6	<b>HGB24AP</b>
 ESD label	25	<b>HGBESDLBL</b>	 8oz bottle Penetrox	1	<b>HGBP8A</b>
 Ground label	25	<b>HGBGNLDBL</b>	 0.5oz tube Penetrox	50	<b>HPNEA0550</b>
 Ground wire label	25	<b>HGRKTLBL</b>	 Serrated paint piercing washer	50	<b>HGB25PPW</b>

IF THIS CONNECTOR OR CABLE IS LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER




## Braided Jumper

	Qty	Length	Width	Hole Size	Hole Spacing	Catalog No.
	10	6"	0.5"	1/4"	-	<b>HGBBD6S10</b>
	10	9"	0.5"	1/4"	-	<b>HGBBD9S10</b>
	1	12"	0.94"	3/8"	1.25"	<b>HGBBD12</b>
	1	18"	0.94"	3/8"	1.25"	<b>HGBBD18</b>
	1	24"	0.94"	3/8"	1.25"	<b>HGBBD24</b>


## QUADCAB® Wall Mount Cabinet Ground Kit

Description	Catalog No.
 Ground bar with (6) 1/4"-20 male studs (2) 1/4"-20 carriage bolts and isolating hardware (2) ground straps (6) 1/4"-20 nuts with star washers	<b>REKGB</b>

## Conductor Brackets

Description	Qty	Catalog No.
 TEBC bracket for ladder rack, aluminum painted black	10	<b>HGBTEBCBRKL10</b>
 TEBC bracket for wire tray, aluminum painted black	10	<b>HGBTEBCBRKW10</b>
 Insulated TEBC bracket for extruded AL ladder, stainless steel	1	<b>HGBTEBCBRKR</b>

## Insulated Halo Bracket

Description	Qty	Catalog No.
 Stainless steel bracket, insulator, UV Rated cable holding clips for 0.25", 0.31", 0.38", 0.50", 0.56", 0.75" and 0.88" cables	1	<b>HGBSETH</b>

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