



# GROUNDING

GREAVES EXCLUSIVE

## Ground-Lok™ CLAMP SYSTEM SERRATED HEAD - COMPONENTS

Copper wire only

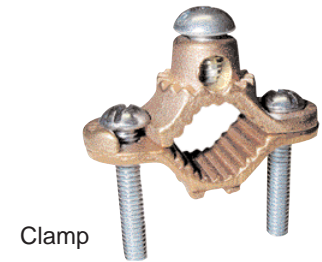
### BRONZE WATER PIPE GROUND CLAMPS

Interchangeable clamps and adapters provide versatility  
 Matching serrations assure positive lock of adapter to clamp  
 Heavy duty construction - cast bronze body and plated steel screws



### G1 SERIES

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	TUBING SIZE	GROUND WIRE RANGE	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
<b>CLAMPS</b>							
30102	G 1	1/2 - 1	3/4 - 1 1/2		50	12.0	CTN
30160	G 2	1 1/4 - 2	1 1/2 - 2	#2 - 10 STR	25	10.8	CTN
30440	G 12	2 1/2 - 4	3 - 4		4	4.46	CTN
30460	G 13	4 1/2 - 6	5 - 6		4	6.11	CTN



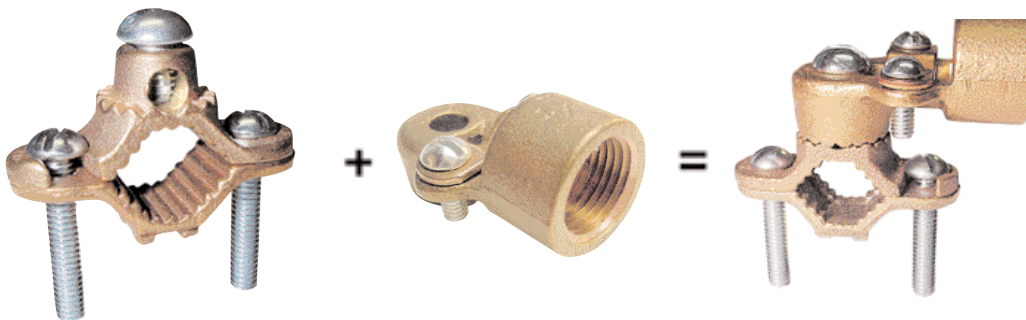
<b>WIRE ADAPTERS</b>							
30680	G 40	CABLE		4/0 - #10 STR	20	4.56	CTN
		ARMORED		#2 - 10 STR		4.56	CTN



<b>CONDUIT HUBS</b>							
NAED NUMBER	CATALOG NUMBER	THREAD SIZE	GROUND WIRE RANGE	CTN QTY	EST. SHIPPING		
					WEIGHT (lbs)	UNIT	
30700	G 41	1/2	2/0 - #10 STR	20	5.00	CTN	
30720	G 42	3/4	3/0 - #10 STR	20	5.72	CTN	
30740	G 43	1	3/0 - #10 STR	20	6.81	CTN	



PLATING: For tin-plating add suffix letter "P" to CATALOG NUMBERS.  
 UL listed to #4 AWG. CSA certified as shown.



**4 CLAMPS + 4 ADAPTERS = 20 COMBINATIONS**

Available with brass screws.

All adapters fit all clamps



## GROUNDING

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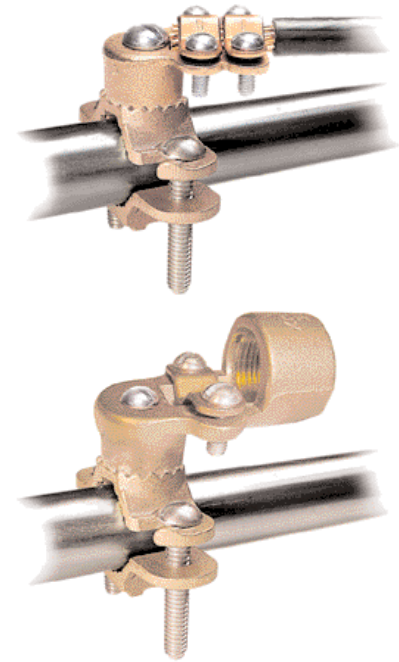
### Ground-Lok™ CLAMP SYSTEM SERRATED HEAD - ASSEMBLED



### BRONZE WATER PIPE GROUND CLAMPS

Copper wire only

NAED NUMBER	CATALOG NUMBER	INCLUDES ADAPTER TYPE	WATER PIPE SIZE (IPS)	GROUND WIRE RANGE	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
30200	<b>G 3</b>		1/2 - 1		25	11.74	CTN
30240	<b>G 4</b>	WIRE	1/4 - 2	4/0 STR	20	6.56	CTN
30480	<b>G 15</b>	ADAPTER	2 1/2 - 4		4	5.43	CTN
30500	<b>G 16</b>		4 1/2 - 6		4	6.90	CTN
<b>FOR 1/2" RIGID CONDUIT</b>							
30280	<b>G 5</b>		1/2 - 1		25	12.39	CTN
30320	<b>G 6</b>	1/2"	1/4 - 2	2/0 STR	20	13.46	CTN
30520	<b>G 18</b>	CONDUIT SIZE	2 1/2 - 4		4	5.46	CTN
30540	<b>G 19</b>		4 1/2 - 6		4	7.10	CTN
<b>FOR 3/4" RIGID CONDUIT</b>							
30360	<b>G 7</b>		1/2 - 1		25	13.39	CTN
30380	<b>G 8</b>	3/4"	1/4 - 2	3/0 STR	20	14.26	CTN
30580	<b>G 21</b>	CONDUIT SIZE	2 1/2 - 4		4	5.62	CTN
30600	<b>G 22</b>		4 1/2 - 6		4	7.10	CTN
<b>FOR 1" RIGID CONDUIT</b>							
30400	<b>G 9</b>		1/2 - 1		25	14.64	CTN
30420	<b>G 10</b>	1"	1/4 - 2	3/0 STR	10	7.76	CTN
30620	<b>G 24</b>	CONDUIT SIZE	2 1/2 - 4		2	3.04	CTN
30640	<b>G 25</b>		4 1/2 - 6		2	3.86	CTN



PLATING: For tin-plating add suffix letter "P" to CATALOG NUMBERS.  
UL listed to #4 AWG. CSA certified as shown.

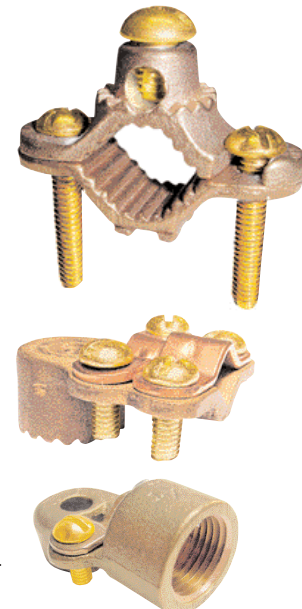
### Ground-Lok™ CLAMP SYSTEM BRASS SCREWS



### G1BS SERIES

NAED NUMBER	CATALOG NUMBER	INCLUDES ADAPTER TYPE	WATER PIPE SIZE (IPS)	GROUND WIRE MAX	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
70560	<b>G 1 BS</b>	-	1/2 - 1		50	12.7	CTN
70565	<b>G 2 BS</b>	-	1/4 - 2	#2 STR	25	10.5	CTN
70570	<b>G 12 BS</b>	-	2 1/2 - 4		4	4.23	CTN
70575	<b>G 13 BS</b>	-	4 1/2 - 6		4	6.00	CTN
70580	<b>G 40 BS</b>	Wire	-	4/0 STR	20	4.67	CTN
70585	<b>G 41 BS</b>	1/2" Conduit	-	2/0 STR	20	5.17	CTN
70590	<b>G 42 BS</b>	3/4" Conduit	-	3/0 STR	20	5.83	CTN
70600	<b>G 43 BS</b>	1" Conduit	-	3/0 STR	20	6.74	CTN
70566	<b>G 3 BS</b>	Wire	1/2 - 1	4/0 STR	25	12.1	CTN
70567	<b>G 4 BS</b>	Wire	1/4 - 2	4/0 STR	10	3.50	CTN

PLATING: For tin-plating add suffix letter "P" to CATALOG NUMBERS. UL listed to #4 AWG. CSA certified as shown.



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## GROUNDING ECONOMY PIPE CLAMPS



### Bare Wire Type

Cast bronze high-copper alloy pipe clamp with plated steel screws  
For bonding bare copper wire to water pipe, such as a water meter shunt

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	WIRE MAX	FIG	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
30140	G 1S	1/2 - 1	#2 STR	1	50	9.90	CTN
30180	G 2S	1 1/4 - 2	#2 STR	1	25	9.97	CTN

### Armored Wire Type

Cast bronze high-copper alloy pipe clamp with plated steel screws  
For bonding bare or armored copper wire, also use with jacketed cables or cords  
Separate two-screw clamping strap for armor

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	WIRE MAX	FIG	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
30560	G 20	1/2 - 1	#2 STR	2	50	11.33	CTN
30260	G 4S	1 1/4 - 2	#4 STR	2	10	4.83	CTN

### 1/2" Conduit Type

Cast bronze high-copper alloy pipe clamp with plated steel screws  
Hub threaded for 1/2" conduit  
Connect wire under hub-screw

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	WIRE MAX	FIG	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
30300	G 5S	1/2 - 1	#6 SOL	3	25	5.86	CTN
30340	G 6S	1 1/4 - 2	#6 SOL	3	20	10.2	CTN

### Brass Screw Type

Cast bronze high-copper alloy pipe clamp with brass screws  
For bonding bare copper wire to water pipe, such as a water meter shunt

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	WIRE MAX	FIG	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
70610	G 1S-BS	1/2 - 1	#2 STR	4	50	10.2	CTN
70614	G 2S-BS	1 1/4 - 2	#2 STR	4	25	9.03	CTN

### Direct Burial Type

Cast bronze high-copper alloy pipe clamp with silicon bronze screws  
For bonding bare copper wire to water pipe, such as a water meter shunt  
UL listed for direct burial in earth or concrete, G 20-DB has armor clamp

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	WIRE MAX.	FIG	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
70620	G 1S-DB	1/2 - 1	#2 STR	5	50	10.3	CTN
70622	G 2S-DB	1 1/4 - 2	#2 STR	5	25	9.15	CTN
70630	G 20-DB	1/2 - 1	#2 STR	2	50	11.8	CTN

PLATING: For tin plating add suffix letter "P" to catalog numbers.

## ALUMINUM GROUNDING CLAMPS

High-strength tin-plated aluminum alloy, plated steel screws  
For bonding wire to water pipe, galvanized pipe, or steel conduit

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	WIRE MAX.	FIG	CTN QTY	EST. SHIPPING	
						WEIGHT (lbs)	UNIT
30810	GAC1	1/2 - 1	1/0 - #14	6	25	3.67	CTN
30820	GAC2	1 1/4 - 2	250 - #6	6	10	3.23	CTN
30840	GAC4	2 1/2 - 4	250 - #6	6	4	3.72	CTN

Copper wire only

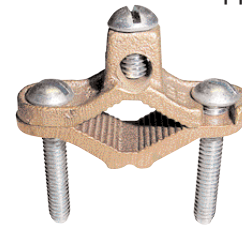


Figure 1



Figure 2



Figure 3

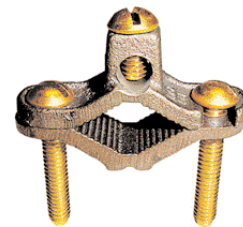


Figure 4

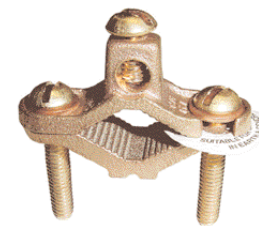


Figure 5

**Dual-rated**  
for aluminum or copper wire

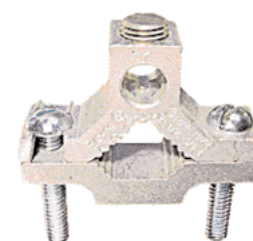


Figure 6



## GROUNDING

### GROUND ROD CLAMPS

Silicon bronze body  
Bronze or stainless steel bolt

#### G SERIES

NAED NUMBER	CATALOG NUMBER	GROUND ROD SIZE (IN)	GROUND WIRE MAX	CTN QTY	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
<b>HEAVY DUTY</b>						
27000	<b>G 29</b>	3/8	#4 STR	50	3.2	CTN
27010	<b>G 30</b>	1/2	#4 SOL	50	4.2	CTN
27020	<b>G 31</b>	5/8	1/0 SOL	50	6.1	CTN
27030	<b>G 32</b>	3/4	#2 SOL	50	8.0	CTN
<b>* HEAVY DUTY</b>						
27050	<b>G 120</b>	1/2	#2 STR	50	7.7	CTN
27090	<b>G 580</b>	5/8	1/0 STR	50	8.5	CTN
27070	<b>G 340</b>	3/4	1/0 STR	50	10.4	CTN
27040	<b>G 100</b>	1	1/0 STR	25	6.0	CTN
<b>ECONOMY CLAMP</b>						
27015	<b>G 31E</b>	5/8	#2 STR	50	4.9	CTN

PLATING: For tin plating add suffix letter "P" to CATALOG NUMBERS.

\* For allen set screws add suffix "A" to CATALOG NUMBER.

### BREAKAWAY BOLT

Breakaway bolt head to assure torque and provide tamper resistance

NAED NUMBER	CATALOG NUMBER	GROUND ROD SIZE (IN)	GROUND WIRE MAX	CTN QTY	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
26910	<b>G5810B</b>	5/8	1/0 - #8 AWG	10	1.4	CTN

### UNIVERSAL LARGE-WIRE

Extra heavy duty bronze body  
Stainless steel bolts  
More than 1 1/2 inches of contact with 2-bolt clamp

NAED NUMBER	CATALOG NUMBER	GROUND ROD SIZE (IN)	GROUND WIRE MAX	CTN QTY	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
26923	* <b>G3435</b>	1/2	#6 SOL - 350 MCM	5	5	CTN
		5/8	#6 SOL - 350 MCM			
		3/4	#2 SOL - 350 MCM			
26924	<b>G3410</b>	3/8 - 3/4	#8 SOL - 1/0 AWG	10	2	CTN

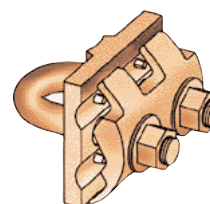
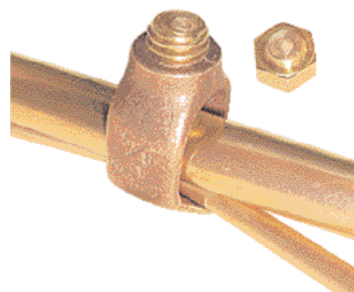
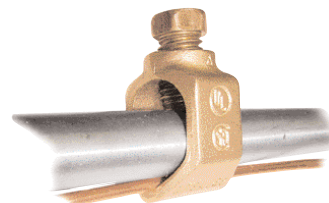
\* Fits all size ground rods indicated.

### LARGE TWO-WIRE

Bronze body, stainless steel U-bolt  
More than 1 1/2 inches of contact area  
Fits all ground rod sizes up through 1 inch diameter

NAED NUMBER	CATALOG NUMBER	GROUND ROD SIZE (IN)	GROUND WIRE MAX	CTN QTY	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
26930	<b>G1500</b>	1/2 - 1	#6 - 250MCM 2 WIRES PERPENDICULAR TO ROD  #6 - 500MCM 1 WIRE PARALLEL TO ROD	5	3	CTN

**Direct Burial**  
Copper wire only







# GROUNDING

## HIGH-WING™ SYSTEM

Continuous Run Capability

**GREAVES EXCLUSIVE**

### For Direct Burial Grounding and Bonding

Applications include galvanized pipe, rod, tube, fencing, rebar (#6, 3/4" and up)  
 Continuous run, lay-in design  
 Suitable for use in harsh environments such as agricultural buildings,  
 swimming pool/spa, food processing, marine, grounding grid and others  
 Orient head in any direction - lock in position with serrated teeth  
 Replaces exothermic welding  
 Corrosion-resistant cast bronze alloy body, silicon bronze hardware  
 Approved for direct burial in earth and concrete

### Direct Burial

Copper wire only

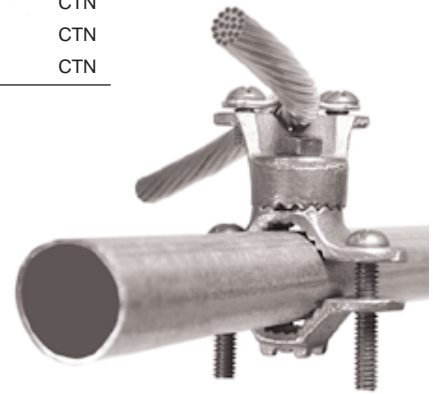
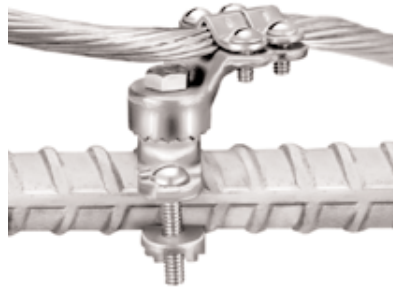
Wire up to #4/0 AWG  
 Pipe sizes 1/2" to 6"



### G-DB SERIES

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IN)	REBAR SIZE		GROUND WIRE	CTN QTY	EST. SHIPPING	
			#	INCH			WEIGHT (lbs)	UNIT
30750	<b>G 140-DB</b>	1/2 - 1	6 - 9	3/4 - 1 1/8	4/0STR-#10SOL	25	12.2	CTN
30760	<b>G 240-DB</b>	1 1/4 - 2	11	1 3/8		10	6.73	CTN
30770	<b>G 440-DB</b>	2 1/2 - 4	-	-		2	5.18	CTN
30780	<b>G 640-DB</b>	4 1/2 - 6	-	-		2	3.45	CTN

Not for use on epoxy coated rebar



### REBAR GROUND CLAMPS

Jones Bond™ Lay-in Rebar Clamp for Continuous Loop Grounding / Bonding  
 Pool / Spa bonding and grounding  
 "Ufer" Grounding (concrete encased electrodes)  
 Replaces Exothermic Welding  
 Installs quickly, grips rebar firmly between ridges with special teeth  
 Bronze body, stainless steel screw for direct burial  
 CSA Certified for direct burial in earth and concrete on rebar

### Direct Burial

Copper wire only



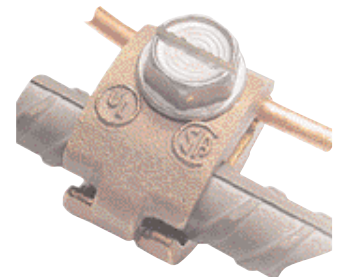
### J-DB SERIES

NAED NUMBER	CATALOG NUMBER	WIRE RANGE	REBAR SIZE		WEIGHT LBS/CTN	CTN QTY	EST. SHIPPING	
			#	INCH			WEIGHT (lbs)	UNIT
27101	<b>J 29-DB</b>	#6 SOL - 8 SOL	3	3/8	7.5	50	7.5	CTN
27110	<b>J 30-DB</b>	#4 STR - 8 SOL	4	1/2	8.5	50	8.5	CTN
27120	* <b>J 31-DB</b>	2/0 STR - 6 SOL	5	5/8	5.0	25	5.0	CTN
27130	** <b>J 32-DB</b>	4/0 STR - 6 SOL	4,5,6	1/2,5/8,3/4	4.3	12	4.3	CTN

Not for use on epoxy coated rebar.

\*UL listed for #4 STR - #2 STR

\*\* UL pending



Patent Pending



# GROUNDING

**2005 NEC Article 250.52(A)(3)** requires all “present” grounding electrodes to be bonded together to form a grounding electrode system. “Present” concrete-encased electrodes (re-enforcing bar, or rebar) and/or grounded I-beam must be included in the grounding electrode system. The result is a more effective and reliable grounding system.

## REBAR “UFER” GROUNDING CLAMPS

Lay-in feature allows continuous loop wiring  
 Bronze bodies with bronze or stainless steel hardware  
 For use in other harsh environments such as swimming pool/spa, agricultural buildings, food processing, marine, communications grid and others  
 Compared to compression and exothermic methods for rebar “Ufer” grounding and bonding, Greaves mechanical clamps provide fast installation and range-taking capability.

Use to connect wire to rebar

### J-DB SERIES

### Jones™ Rebar Clamp

NAED NUMBER	CATALOG NUMBER	REBAR SIZE		WIRE RANGE	CTN QTY	EST. SHIPPING	
		#	INCH			WEIGHT (lbs)	UNIT
27101	J 29-DB	3	3/8	#6 SOL - 8 SOL	50	7.5	CTN
27110	J 30-DB	4	1/2	#4 STR - 8 SOL	50	8.5	CTN
27120	J 31-DB	5	5/8	2/0 STR - *6 SOL	25	5.0	CTN
27130	** J 32-DB	4,5,6	1/2,5/8,3/4	4/0 STR - 6 SOL	12	4.3	CTN

Not for use on epoxy-coated rebar                      \*\*UL pending  
 \*UL listed for #4 STR - #2 STR

Use to connect wire to galvanized water pipe, rod, tube, fence post, or rebar  
 Orient head in any direction - lock in position with serrated teeth

### G-DB SERIES

### HIGH-WING™ System

NAED NUMBER	CATALOG NUMBER	REBAR SIZE		GROUND WIRE	CTN QTY	EST. SHIPPING	
		#	INCH			WEIGHT (lbs)	UNIT
30750	G 140-DB	6 - 9	3/4 - 1 1/8	4/0STR - #10SOL	25	12.15	CTN
30760	G 240-DB	11	1 3/8		10	6.73	CTN

Use to connect wire to rebar or water pipe

### GR-DB SERIES

### Lay-in Rebar Clamp

NAED NUMBER	CATALOG NUMBER	REBAR SIZE		GROUND WIRE	CTN QTY	EST. SHIPPING	
		#	INCH			WEIGHT (lbs)	UNIT
70621	G 1R-DB	3 - 8	3/8 - 1	#2 - 10	50	11.6	CTN

Use to connect wire to galvanized water pipe, conduit, rod, tube, fence post, or rebar  
 Connects wire either parallel or 90° to pipe

### C100 SERIES

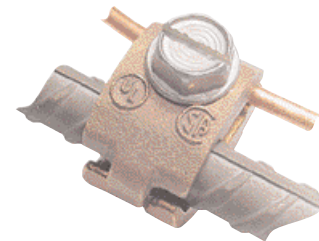
### U-Bolt Clamp

NAED NUMBER	CATALOG NUMBER	REBAR SIZE		GROUND WIRE	CTN QTY	EST. SHIPPING	
		#	INCH			WEIGHT (lbs)	UNIT
25020	C 101	3 - 5	3/8 - 5/8	2/0 - #4	EA	0.48	EA
25080	C 104	4 - 6	1/2 - 3/4			0.54	EA
25160	C 108	7 - 8	7/8 - 1			0.49	EA
25260	C 114	7 - 11	7/8 - 1 3/8			0.66	EA
25360	C 120	8 - 12	1 - 1 1/2			0.80	EA

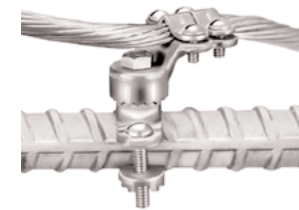
See C100 Series for complete listing of sizes.



**Direct Burial**  
 Copper wire only

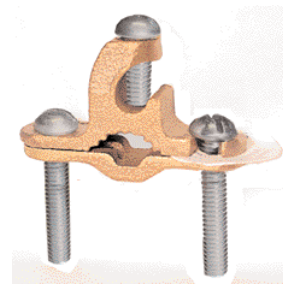


R



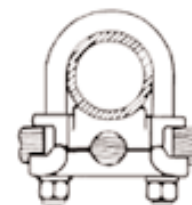
E

B



A

R



Parallel or 90° connection to rod or pipe

**2005 NEC 250.52(A)(3) requires bonding all “present” grounding electrodes, including concrete-encased electrodes (Ufer).**



**GREAVES EXCLUSIVE**

**POOL and SPA**

**“Jones Bond™” system**

**CONTINUOUS LOOP BONDING & GROUNDING**

Swimming pools / spas, foundation footings, agricultural buildings and other difficult environments

**JONES REBAR CLAMP**

Connect grounding electrode conductor to rebar (concrete encased electrode)  
 Rugged and compact with no awkward projections - easy coverage in concrete  
 Lay-in feature allows continuous-run or termination  
 Cast bronze body with stainless steel hardware  
 The J32-DB handles a range of rebar sizes and wire sizes  
 CSA (C US) certified and UL listed for direct burial in earth or concrete

**Rebar Clamp**

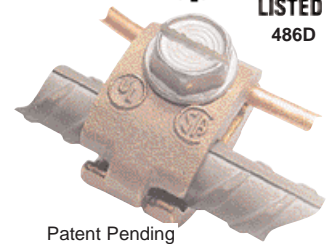
NAED NUMBER	CATALOG NUMBER	WIRE RANGE	REBAR SIZE		CTN QTY	EST. SHIPPING	
			#	INCH		WEIGHT (lbs)	UNIT
27101	J 29-DB	6 SOL - #8	3	3/8	50	7.74	CTN
27110	J 30-DB	4 STR - #8 SOL	4	1/2	50	8.49	CTN
27120	J 31-DB	2/0 STR - *#6 SOL	5	5/8	25	5.66	CTN
27130	** J 32-DB	4/0 STR - #6 SOL	4,5,6	1/2,5/8,3/4	12	4.18	CTN

J-series clamps are designed for bare rebar only  
 Do not use on ground rod, pipe, or epoxy-coated rebar  
 Installation torque 150 in-lbs

\*UL listed for #4 STR - #2 STR  
 \*\*UL pending



**Direct Burial**  
Copper wire only



Patent Pending

**BEAVER TOOTH LUG**

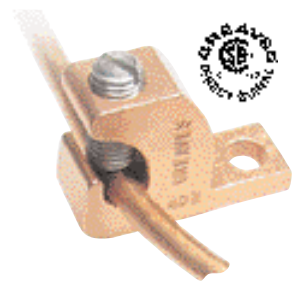
Use on electrical equipment, pool/spa equipment, conduit bushings, jumper to multiple conduits  
 Copper body, stainless steel screw, for use with copper wire only

**Lay-in-Lug**

NAED NUMBER	CATALOG NUMBER	WIRE RANGE	BOLT SIZE	CTN QTY	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
27201	BTL 4-DB	#4 -14 AWG	#10	50	3.06	CTN
27202	BTL 4-DBP	#4 -14 AWG	#10	50	3.06	CTN
27205	BTL 414-DB	#4 -14 AWG	1/4	50	3.89	CTN
27206	BTL 414-DBP	#4 -14 AWG	1/4	50	3.89	CTN

DBP is tin-plated for use on aluminum pool structure. Use of oxide-inhibitor is recommended.

**Direct Burial**  
Copper wire only



**BUGLUGS™**

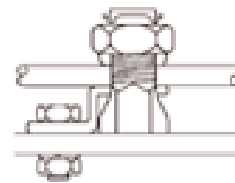
Heavy duty silicon bronze and copper, tin-plated  
 For use with copper wire only

**Lay-in-Lug**

NAED NUMBER	CATALOG NUMBER	WIRE MAX	MOUNTING BOLT SIZE	CTN QTY	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
70850	BL 6	#6	#10	50	2.92	CTN
70855	BL 4	#4	1/4	50	4.40	CTN
70860	BL 2	#2	1/4	50	6.91	CTN
70865	BL 1/0	1/0	5/16	25	5.27	CTN

Tin-plated for use on aluminum pool structure. Use of oxide-inhibitor is recommended.

**Direct Burial**  
Copper wire only



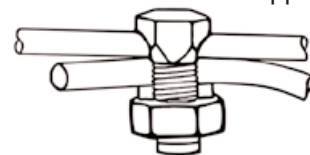
Patent Pending

**MESH-BUG™**

Use to connect copper conductor to wire mesh  
 Copper-alloy bronze construction  
 Sizes available for rolled (#10) and heavy (#6) wire mesh  
 UL listed for direct burial in earth and concrete

NAED NUMBER	CATALOG NUMBER	MESH/ WIRE SIZE	COPPER COND. RANGE (AWG)	EST. SHIPPING	
				WEIGHT (lbs)	UNIT
10131	A2-DB	#10	#8 -12 AWG	0.03	CTN
10132	A3-DB	#10	#6 SOL - 8 AWG	0.05	CTN
10241	A5-DB	#6, #10	#4 AWG - 8 SOL	0.06	CTN
10251	A8-DB	#2	#2 - 6 AWG	0.11	CTN
10261	A10-DB	#1/0	#1/0 - 4 AWG	0.16	CTN

**Direct Burial**  
Copper wire only





## POOL and SPA

# "Jones Bond"™ system

## GROUND ROD CLAMPS

For connecting ground wire to ground rod  
Cast bronze body with silicon bronze bolt, for use with copper wire only  
UL listed for direct burial in earth and concrete

NAED NUMBER	CATALOG NUMBER	GROUND ROD SIZE (IN)	GROUND WIRE MAX	CTN QTY	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
27000	<b>G 29</b>	3/8	#4 STR	50	3.3	CTN
27010	<b>G 30</b>	1/2	#4 SOL	50	4.2	CTN
27020	<b>G 31</b>	5/8	1/0 SOL	50	5.6	CTN
27030	<b>G 32</b>	3/4	#2 SOL	50	6.7	CTN
27040	<b>G 100</b>	1	1/0 STR	25	7.6	CTN

### Direct Burial

Copper wire only

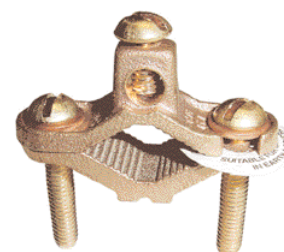


## PIPE CLAMPS

For connecting ground wire to water pipe  
Cast bronze body, silicon bronze screws, for use with copper wire only  
UL listed for direct burial in earth and concrete

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	GROUND WIRE MAX	CTN QTY	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
70620	<b>G 1S-DB</b>	1/2 - 1	#2 STR	50	9.5	CTN
70622	<b>G 2S-DB</b>	1 1/4 - 2	#2 STR	25	9.0	CTN

### Direct Burial



## U-BOLT CLAMPS

### Heavy Duty U-bolt Clamps

Use to connect wire to pipe, rod, or fence posts  
Cast bronze bodies with silicon bronze hardware, for use with copper wire only  
CSA NRTL/C Certified for direct burial in earth and concrete

NAED NUMBER	CATALOG NUMBER	ROD SIZE (IN)	WATER PIPE SIZE (IPS)	CABLE RANGE	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
25020	<b>C 101</b>	1/2	1/4		0.5	EA
25080	<b>C 104</b>	5/8 - 3/4	3/8	2/0 - #4	0.6	EA
25160	<b>C 108</b>	7/8 - 1	1/2 - 3/4		0.6	EA
25260	<b>C 114</b>	-	1		0.7	EA
25360	<b>C 120</b>	-	1 1/4	2/0 - #4	0.9	EA
25560	<b>C 132</b>	-	2		1.0	EA
71245	<b>C 142</b>	-	3		1.5	EA

### Direct Burial



Parallel or 90° connection to rod or pipe

See C100 Series for complete listing of sizes.

PLATING: For tin plating of above items add suffix "P" to CATALOG NUMBER.

## STAINLESS STEEL HARDWARE KITS

Sets of stainless steel screws, washers, and nuts  
Use to mount BTL-DB and BL Series lugs to equipment  
Each kit packaged in clear plastic display box

NAED NUMBER	CATALOG NUMBER	SCREW		KIT CONTENTS				EST. SHIPPING	
		SIZE	L (IN)	SCREWS	WASHERS FLAT	NUTS LOCK	WEIGHT (lbs)	UNIT	
27221	<b>SS 10-A</b>	10-24	1/2	50	100	50	50	.4	KIT
27223	<b>SS 10-B</b>		3/4					.5	KIT
27225	<b>SS 10-C</b>		1					.6	KIT
27226	<b>SS 10-D</b>		1 1/4					.6	KIT
27231	<b>SS 0-A</b>	1/4-20	1/2	25	50	25	25	.6	KIT
27233	<b>SS 0-B</b>		3/4					.7	KIT
27235	<b>SS 0-C</b>		1					.8	KIT
27237	<b>SS 0-D</b>		1 1/2					.9	KIT

### Direct Burial



For larger sizes of stainless steel or silicon bronze see HARDWARE pages.

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TOLL FREE 1-800-243-1130 (Outside CT)





# POOL and SPA EQUIPOTENTIAL BONDING

## COPPER BONDING MESH KITS

Use to provide equipotential bonding grid

- under pool perimeter surfaces,
- under paving stones or concrete

Fulfills 2008 NEC Article 680.26(B)(1)(b) requirements

Made of #8AWG solid copper with exothermically welded joints

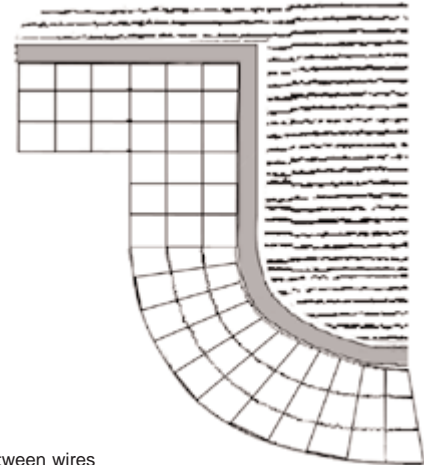
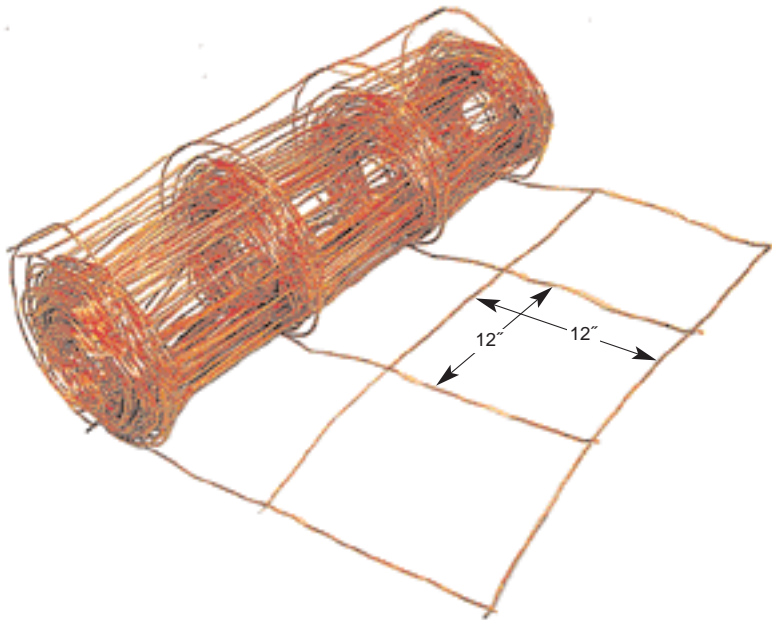
Kits include hardware listed below

Each kit is individually boxed



**2008 NEC Article 680.26(B)(1)(b) and 680.26(B)(2) excerpts:**

- A copper conductor grid shall be provided and
- be constructed of minimum 8 AWG bare copper conductors bonded to each other at all points of crossing
  - be arranged in a 300mm (12 in) by 300mm (12 in) network of conductors in a uniformly spaced perpendicular grid pattern with a tolerance of 100mm (4 in)
  - the perimeter surface shall extend for 1 m (3 ft) horizontally beyond the inside walls of the pool and shall include unpaved surfaces as well as poured concrete and other types of paving.



W = width  
L = length  
S = distance between wires

## CBM SERIES

NAED NUMBER	CATALOG NUMBER	WIRE MAT'L	MESH DIMENSIONS			KIT CONTENTS			EST. SHIPPING	
			W (FT)	L (FT)	S (IN)	CLAMP	SPLIT BOLTS	STAKES	WEIGHT (lbs)	UNIT
27400	CBM25K	#8CU	2	50	12	1	7	16	17	EA
27405	CBM210K	#8CU	2	100	12	1	13	16	31	EA
27410	CBM35K	#8CU	3	50	12	1	9	16	22	EA
27415	CBM310K	#8CU	3	100	12	1	17	16	43	EA

### INSTALLATION

- 1 - Unroll into position. Use holding stakes to assist one-man work.
- 2 - Bond to rebar with rebar clamp provided (accepts two #8 wires), or Jones Rebar clamp #J29-DB (3/8 rebar), or #J30-DB (1/2" rebar), or #G1R-DB (3/8" - 1" rebar).
- 3 - For contours, shape the mesh wire or cut and splice
- 4 - Bond mesh sections together with direct burial split bolts supplied or Greaves #A2-DB or #A5-DB.

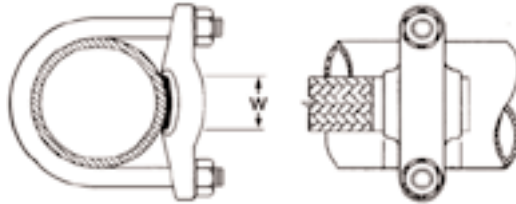


## GROUNDING FLEXIBLE STRAP SYSTEM

### PIPE CLAMPS FOR FLEXIBLE STRAPS

For grounding flat flexible strap to fence posts, gates or water pipe  
Bronze high-copper alloy castings

For copper strap



### CF SERIES

NAED NUMBER	CATALOG NUMBER	PIPE SIZE IPS	STRAP MAX W (IN)	EST. SHIPPING	
				WEIGHT (lbs)	UNIT
25710	CF 101	1	1	0.57	EA
25712	CF 121	1 <sup>1</sup> / <sub>4</sub>	1	0.65	EA
25715	CF 151	1 <sup>1</sup> / <sub>2</sub>	1	0.72	EA
25720	CF 201	2	1	0.78	EA
25725	CF 251	2 <sup>1</sup> / <sub>2</sub>	1	0.95	EA
25730	CF 301	3	1	1.02	EA
25735	CF 351	3 <sup>1</sup> / <sub>2</sub>	1	1.16	EA
25740	CF 401	4	1	1.22	EA
25750	CF 501	5	1	1.79	EA
25760	CF 601	6	1	2.30	EA



### FLEXIBLE JUMPER STRAP CONNECTORS

Use to absorb expansion, misalignment, or motion of equipment

Use with CF Series clamps to bond fencepost to gate

Flexible flat woven tin-plated copper braid

Seamless high-conductivity tin-plated copper flat ferrules



### FJ SERIES

NAED NUMBER	CATALOG NUMBER	EQUIV. WIRE SIZE (APPROX)	NOMINAL AMP RATING*		NOMINAL DIMENSIONS			EST. SHIPPING	
			INDOOR	OUTDOOR	L	W	T	WEIGHT (lbs)	UNIT
26870	FJ 200-18N	#1 AWG	200	245	18	1	1/8	0.47	EA
26880	FJ 300-18N	3/0 AWG	340	405	18	1	3/16	0.86	EA
26890	FJ 400-18N	4/0 AWG	360	430	18	1	1/4	1.23	EA

\* Ampacity varies with service conditions such as environment, airflow, orientation, temperature rise, etc.

NEMA bolt pattern for (2) 1/2" bolts on 1<sup>3</sup>/<sub>4</sub>" centers.

Other configurations and sizes available; consult factory.

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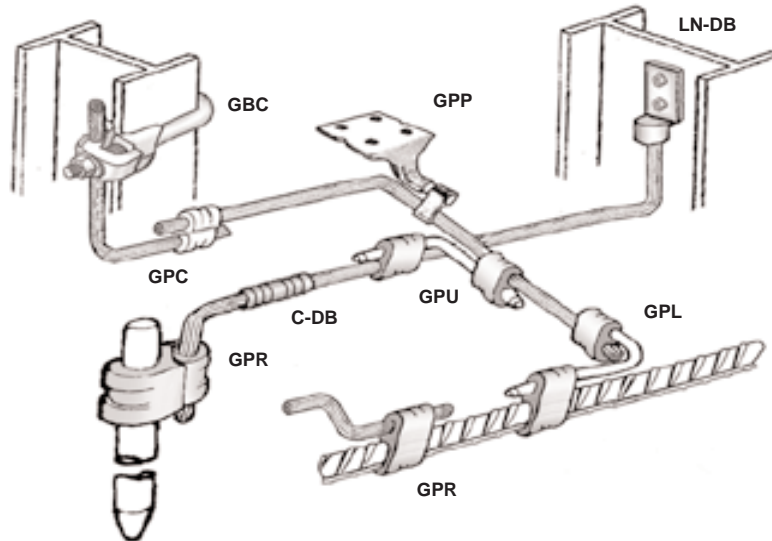


# GROUND-PRES™

## IRREVERSIBLE COMPRESSION SYSTEM

Irreversible compression "C tap" connectors for direct burial grounding grid applications

Direct Burial



Tap or lap-splice for wire-to-wire connections  
**GPC SERIES**

**CAUTION**  
Use of wash-off resistant oxide-inhibitor is recommended with all underground joints.

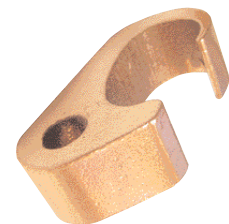
NAED NUMBER	CATALOG NUMBER	WIRE RANGE		DIE	CTN QTY	EST. SHIPPING	
		MAIN	TAP			WEIGHT (lbs)	UNIT
12946	GPC46	#4STR-6SOL	#6STR-6SOL	BG or 5/8	50	2.3	CTN
12944	GPC44		#4STR-4SOL		50	2.4	CTN
12926	GPC26	#2STR-2SOL	#6STR-8SOL	C	25	2.3	CTN
12922	GPC22		#2STR-2SOL		25	2.3	CTN
12920	GPC2020	2/0-1/0STR	2/0STR-1/0SOL	O	10	4.1	CTN
12942	GPC4020	4/0-3/0SOL	2/0STR-1/0SOL	F or D3	10	3.8	CTN
12940	GPC4040		4/0STR-3/0SOL		10	3.3	CTN



Tap or lap-splice for ground rod-to-wire or wire-to-wire connections

## GPR SERIES

NAED NUMBER	CATALOG NUMBER	MAIN		TAP	DIE	CTN QTY	EST. SHIPPING	
		ROD	WIRE	WIRE			WEIGHT (lbs)	UNIT
12822	GPR122	1/2, 5/8	250MCM-1/0 STR	#2STR-4SOL	997	10	3.2	CTN
12823	GPR1220			2/0-1/0STR		10	3.0	CTN
12824	GPR1225			250MCM-3/0STR		10	2.6	CTN
12834	GPR342	5/8, 3/4	500-250MCM	#2STR-4SOL	998	10	4.7	CTN
12835	GPR3420			2/0-1/0STR		10	4.6	CTN
12836	GPR3425			250MCM-3/0STR		10	4.2	CTN
12837	GPR3450			500MCM3/0STR		999 or 1011	5	5.0



Perpendicular configuration for ground rod-to-wire or wire-to-wire connections

## GPL SERIES

NAED NUMBER	CATALOG NUMBER	ROD	A		B	DIE	CTN QTY	EST. SHIPPING	
			WIRE	WIRE	WIRE			A	B
12722	GPL22	—	#2STR-6SOL	#2STR-6SOL	O	O	4	1.8	CTN
12723	GPL122	1/2, 5/8	250MCM-1STR	#2STR-6SOL	997	O	4	2.3	CTN
12724	GPL1225		250MCM-#2STR	250MCM-#2	997	997	2	1.7	CTN
12734	GPL342	5/8, 3/4	500-250MCM	#2STR-6SOL	998	O	2	2.2	CTN
12735	GPL3425			250MCM-#2	998	998	2	2.2	CTN
12736	GPL3450			500-250MCM	999	999	2	3.6	CTN



Hydraulic tool required for installation for all except GPL22.



## GROUND-PRES™

### IRREVERSIBLE COMPRESSION SYSTEM

#### COMPRESSION GROUND TERMINAL

Irreversible compression terminal for direct burial grounding grid applications  
Seamless high-conductivity copper  
NEMA bolt spacing - for 1/2" bolts on 1 3/4" centers  
Pre-filled with oxide inhibitor and capped

**Direct Burial**

Copper wire only

#### L-NDB SERIES

NAED NUMBER	CATALOG NUMBER	WIRE SIZE	U-TYPE DIE		CTN QTY	EST. SHIPPING	
			COLOR	INDEX		WEIGHT (lbs)	UNIT
34100	L10NDB	1/0	PINK	12/348	10	1.59	CTN
34200	L20NDB	2/0	BLACK	13	10	1.98	CTN
34300	L30NDB	3/0	ORANGE	14	10	2.24	CTN
34400	L40NDB	4/0	PURPLE	15	10	2.76	CTN
34250	L250NDB	250MCM	YELLOW	16	10	3.54	CTN
34350	L350NDB	350MCM	RED	18/324	6	3.12	CTN
34500	L500NDB	500MCM	BROWN	20/299	6	5.00	CTN



#### COMPRESSION GROUND SPLICE

Irreversible compression splice for direct burial grounding applications  
Seamless high-conductivity copper  
Two inspection holes, one for each wire  
Pre-filled with oxide-inhibitor and capped

#### C-DB SERIES

NAED NUMBER	CATALOG NUMBER	WIRE SIZE	U-TYPE DIE		CTN QTY	EST. SHIPPING	
			COLOR	INDEX		WEIGHT (lbs)	UNIT
34101	C10DB	1/0	PINK	12/348	10	1.20	CTN
34201	C20DB	2/0	BLACK	13	10	1.45	CTN
34301	C30DB	3/0	ORANGE	14	10	1.56	CTN
34401	C40DB	4/0	PURPLE	15	10	1.71	CTN
34251	C250DB	250MCM	YELLOW	16	10	2.50	CTN
34351	C350DB	350MCM	RED	18/324	6	1.09	CTN
34501	C500DB	500MCM	BROWN	20/299	6	4.00	CTN



#### COMPRESSION GROUND PLATE

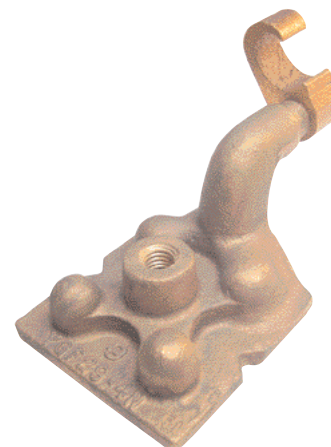
Irreversible compression ground plate for direct burial grounding applications  
Body cast of high-strength, high-conductivity high-copper alloy  
NEMA spacing for tapped lug-mounting holes for 1/2" bolts on 1 3/4" centers  
Copper compression element of pure wrought copper, pre-filled with oxide-inhibitor  
Tapped positioning hole on underside of plate  
Plastic plugs provided in tapped holes

#### GPP SERIES

NAED NUMBER	CATALOG NUMBER	WIRE RANGE	DIE	MOUNTING HOLES	POSITIONING HOLE	CTN QTY	EST. SHIPPING	
							WEIGHT (lbs)	UNIT
12622	GPP250-2N	250MCM-#2	U997*	(2) 1/2-13	3/8-16**	1	2.50	EA
12624	GPP250-4N			(4) 1/2-13		1	2.73	EA

\*PT6515 adapter required with some tools.

\*\* 3/8-16 is standard; others available.





## GROUNDING

### I-BEAM GROUNDING CLAMPS

To connect grounding electrode conductor to structural I-beam or metal frame  
 Can also be used on fence posts, trailer frames, cable tray  
 Series covers a wide range of beam and wire sizes  
 Eliminates drilling structural steel  
 Replaces exothermic welding

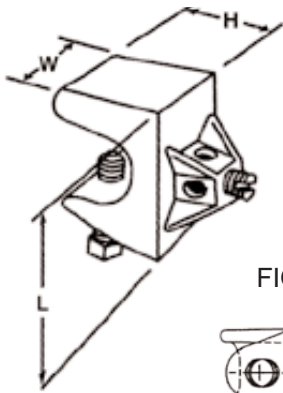


FIG. 1

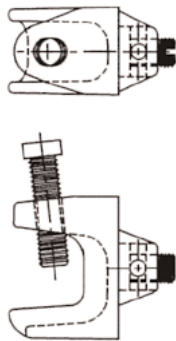


FIG. 2

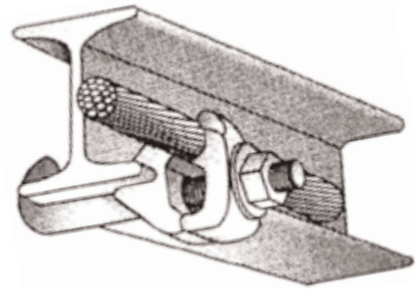
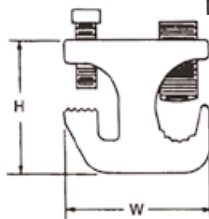
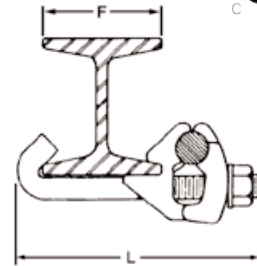


FIG. 3



#### GBCH

High strength copper-alloy bronze casting  
 Steel hardware, zinc plated  
 Screw penetrates paint or oxide  
 Use to terminate wire  
 For use with copper wire only  
 UL (CU only)

#### GBC250A

Aluminum body, tin-plated  
 Steel hardware, zinc plated  
 Screw penetrates paint or oxide  
 Dual-rated for copper or aluminum wire  
 Side-entry allows continuous loop  
 Also for sheet metal cable tray  
 UL (CUAL), CSA (CU only)

#### GBC40

High strength copper-alloy bronze casting  
 Steel hardware, zinc plated  
 Clean beam surface for electrical contact  
 Side-entry allows continuous loop run  
 Shape of hook may vary by size  
 For use with copper wire only  
 CSA (CU only)

### GBC SERIES

NAED NUMBER	CATALOG NUMBER	BEAM FLANGE (IN)		WIRE RANGE MAX - MIN	DIMENSIONS (IN)			FIG.	EST. SHIPPING	
		F	TH		W	L	H		WEIGHT (lbs)	UNIT
27190	GBCH6	-	5/8 MAX	#6 - #14AWG	1	1 <sup>5</sup> / <sub>8</sub>	1 <sup>3</sup> / <sub>16</sub>	1	0.29	EA
27191	GBC250A	-	1/2 MAX	250MCM - #6	2	7/8	1 <sup>3</sup> / <sub>4</sub>	2	0.27	EA
27192	GBC40-2	2	3/16	4/0 - #4STR	1	4 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	3	0.52	EA
27194	GBC40-4	4	1/4	4/0 - #4STR	1	6 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	3	0.57	EA
27196	GBC40-6	6	5/16	4/0 - #4STR	1	8 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	3	0.62	EA
27198	GBC40-8	8	3/8	4/0 - #4STR	1	10 <sup>1</sup> / <sub>2</sub>	1 <sup>3</sup> / <sub>4</sub>	3	0.67	EA

2005 NEC 250.52(A)(2) requires bonding all "present" grounding electrodes, including grounded I-Beams.



## GROUNDING

### ADJUSTABLE GROUND STRAPS

Adjustable ground straps are made from pure annealed copper

Bolts, nuts and washers are plated steel

Four sizes cover a ground pipe range of 3/8" to 4"

For copper wire #14-6SOL

Ground wire connection can be soldered or solderless

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	CTN QTY	EST. SHIPPING	
				WEIGHT (lbs)	UNIT
<b>HEAVY TYPE .050" THICK, 3/4" WIDE</b>					
26000	<b>D 480</b>	3/8 - 1	50	5.14	CTN
26010	<b>D 481</b>	3/8 - 2	50	7.26	CTN
26020	<b>D 482</b>	3/8 - 3	25	4.76	CTN
26030	<b>D 483</b>	3/8 - 4	25	5.65	CTN
<b>LIGHT TYPE .025" THICK, 3/4" WIDE</b>					
26040	<b>D 484</b>	3/8" - 1"	50	3.76	CTN
26050	<b>D 485</b>	3/8" - 2"	50	4.50	CTN
26060	<b>D 486</b>	3/8" - 3"	25	2.76	CTN
26070	<b>D 487</b>	3/8" - 4"	25	3.50	CTN

PLATING: For tin plating add suffix letter "P" to CATALOG NUMBERS.



### PERFORATED COPPER STRAP

Pure annealed 16 gauge copper

Holes accommodate 1/4" screws, spaced 1/2" on center

Strap has full round edge

NAED NUMBER	CATALOG NUMBER	WIDTH (IN)	THICKNESS (IN)	COIL LENGTH	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
70550	<b>D 050</b>	3/4	.050	10 FT	1.25	COIL

For longer coils consult factory for availability.



### FLEXIBLE BRAID

Flexible flat-woven tin-plated copper braid

Use to absorb expansion, misalignment, motion, or vibration of equipment

Use for bonding or grounding jumpers

Use multiple layers to increase ampacity



### FB SERIES

NAED NUMBER	CATALOG NUMBER	CIRCULAR MIL AREA	EQUIV. WIRE SIZE (APPROX)	NOMINAL AMP RATING*		DIMENSIONS		COIL LENGTH	EST. SHIPPING	
				INDOOR	OUTDOOR	W	T		WEIGHT (lbs)	UNIT
26810	<b>FB60</b>	9.6 kcmil	#10 AWG	40	60	1/2	1/32	250 FT	7.0	COIL
26815	<b>FB90</b>	24 kcmil	#6 AWG	72	90	1/2	3/32	250 FT	2.0	COIL
26820	<b>FB200</b>	77 kcmil	#1 AWG	200	245	1	1/8	10 FT	2.5	COIL
26830	<b>FB300</b>	154 kcmil	3/0 AWG	340	405	1	3/16	10 FT	5.3	COIL
26840	<b>FB400</b>	231 kcmil	4/0 AWG	360	430	1	5/32	10 FT	7.6	COIL

\* Ampacity varies with service conditions such as environment, airflow, orientation, temperature rise, etc.

Also available as finished connectors with endpads; see FJ Series.

Also available in bulk quantities.

www.greaves-usa.com

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TOLL FREE 1-800-243-1130 (Outside CT)



## GROUNDING

### U-BOLT GROUND CLAMP CONNECTORS

Heavy Duty - Bronze Castings for Strength and Ruggedness

Use to connect wire to pipe, rod, or fence posts

High copper alloy bronze castings with silicon bronze hardware

Suitable for direct burial in earth or concrete

### C100 SERIES

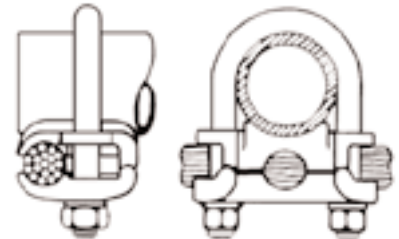
NAED NUMBER	CATALOG NUMBER	ROD SIZE (IN)	PIPE SIZE IPS (O.D.)	CABLE RANGE	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
25000	C 100			#4 - 8	0.39	EA
25020	C 101	1/2	1/4" (.54)	2/0 - #4	0.48	EA
25040	C 102			250 - 2/0	0.68	EA
25060	C 103			#4 - 8	0.45	EA
25080	C 104	5/8 - 3/4	3/8" (.675)	2/0 - #4	0.54	EA
25100	C 105			250 - 2/0	0.66	EA
25120	C 106			500 - 300	1.48	EA
25140	C 107			#4 - 8	0.51	EA
25160	C 108	7/8 - 1	1/2" - 3/4" (.84) - (1.05)	2/0 - #4	0.49	EA
25180	C 109			250 - 2/0	0.60	EA
25200	C 110			500 - 300	0.93	EA
25240	C 113			#4 - 8	0.44	EA
25260	C 114	-	1" (1.315)	2/0 - #4	0.66	EA
25280	C 115			250 - 2/0	0.66	EA
25300	C 116			500 - 300	1.72	EA
25340	C 119			#4 - 8	0.77	EA
25360	C 120		1 1/4" (1.66)	2/0 - #4	0.80	EA
25380	C 121			250 - 2/0	0.82	EA
25400	C 122			500 - 300	2.01	EA
25440	C 125			#4 - 8	0.75	EA
25460	C 126		1 1/2" (1.90)	2/0 - #4	0.80	EA
25480	C 127			250 - 2/0	0.98	EA
25500	C 128			500 - 300	1.56	EA
25540	C 131			#4 - 8	0.80	EA
25560	C 132		2" (2.375)	2/0 - #4	0.99	EA
71200	C 133			250 - 2/0	1.06	EA
71205	C 134			500 - 300	1.90	EA
71215	C 136			#4 - 8	1.07	EA
71220	C 137		2 1/2" (2.875)	2/0 - #4	1.21	EA
71225	C 138			250 - 2/0	1.69	EA
71230	C 139			500 - 300	2.50	EA
71240	C 141			#4 - 8	1.26	EA
71245	C 142		3" (3.5)	2/0 - #4	1.45	EA
71250	C 143			250 - 2/0	1.85	EA
71255	C 144			500 - 300	2.89	EA
71265	C 146			#4 - 8	1.40	EA
71270	C 147		3 1/2" (4.0)	2/0 - #4	1.60	EA
71275	C 148			250 - 2/0	2.01	EA
71280	C 149			500 - 300	3.00	EA
71290	C 151			#4 - 8	1.97	EA
71300	C 152		4" (4.5)	2/0 - #4	1.97	EA
71305	C 153			250 - 2/0	2.23	EA
71310	C 154			500 - 300	3.30	EA

For sizes not listed contact factory for delivery.

PLATING: For tin plating add suffix "P" to catalog numbers.

**Direct Burial**

Copper wire only



Connects one wire parallel or perpendicular to rod or pipe

**Heavy Duty**

Pipe sizes 1/4" to 4" IPS  
Wire #8 to 500 MCM



**Applications**

Water Pipe  
Metallic Fencing  
Ground Rods  
Grounding Grids  
Rebar



## GROUNDING

### LARGE PIPE CLAMPS

Extra heavy-duty bronze castings for strength and ruggedness

Use to connect wire to pipe or fence posts

Clamp first to pipe, then attach wire with cover piece

Separate bolts for mounting on pipe and connecting wire

High copper alloy bronze castings with silicon bronze hardware

Suitable for direct burial in earth or concrete

**Direct Burial**

Copper wire only



### CG SERIES

NAED NUMBER	CATALOG NUMBER	PIPE SIZE IPS (O.D.)	CABLE RANGE	FIG.	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
25624	CG 2050	2"	500 - 300	1	1.8	EA
25620	CG 2010	(2.375)	1000 - #2	2	5.8	EA
25625	CG 2604	2-1/2" (2.875)	#4 - 8	1	.7	EA
25626	CG 2622		2/0 - #4	1	.9	EA
25627	CG 2625		250 - 2/0	1	1.1	EA
25628	CG 2650		500 - 300	1	1.8	EA
25629	CG 2610		1000 - #2	2	6.0	EA
25633	CG 3125	3" (3.5)	250 - 2/0	1	1.3	EA
25634	CG 3150		500 - 300	1	2.4	EA
25635	CG 3175		750 - 550	1	3.5	EA
25630	CG 3110		1000 - #2	2	6.6	EA
25673	CG 3625		250 - 2/0	1	1.3	EA
25674	CG 3650	3-1/2" (4.0)	500 - 300	1	2.4	EA
25675	CG 3675		750 - 550	1	3.6	EA
25676	CG 3610		1000 - #2	2	7.3	EA
25677	CG 4125	4" (4.5)	250 - 2/0	1	1.5	EA
25678	CG 4150		500 - 300	1	2.6	EA
25679	CG 4175		750 - 550	1	3.8	EA
25680	CG 4110		1000 - #2	2	8.5	EA
25646	CG 4622		2/0 - #4	1	1.4	EA
25647	CG 4625	4-1/2" (5.0)	250 - 2/0	1	1.8	EA
25648	CG 4650		500 - 300	1	2.9	EA
25649	CG 4610		1000 - #2	2	8.9	EA
25651	CG 5122		2/0 - #4	1	1.5	EA
25652	CG 5125	5" (5.563)	250 - 2/0	1	2.0	EA
25653	CG 5150		500 - 300	1	3.1	EA
25654	CG 5175		750 - 550	1	4.3	EA
25650	CG 5110		1000 - #2	2	9.5	EA
25661	CG 6122		2/0 - #4	1	1.8	EA
25662	CG 6125	6" (6.625)	250 - 2/0	1	2.0	EA
25663	CG 6150		500 - 300	1	3.4	EA
25664	CG 6175		750 - 550	1	4.7	EA
25660	CG 6110		1000 - #2	2	10.8	EA
25670	CG 7110		6" Cast Iron (7.1 - 7.3)	1000 - #2	2	7.8
25681	CG 8125	8" (8.625)	250 - 2/0	1	2.4	EA
25682	CG 8150		500 - 300	1	4.5	EA
25683	CG 8175		750 - 550	1	5.3	EA
25689	CG 8110		1000 - #2	2	7.8	EA
25690	CG 1010		10" (10.75)	1000 - #2	2	6.1
25692	CG 1210	12" (12.75)	1000 - #2	2	8.4	EA
25694	CG 1410	14" (14.0)	1000 - #2	2	11.0	EA
25696	CG 1610	16" (16.0)	1000 - #2	2	15.0	EA

Connects one wire parallel or perpendicular to pipe

Large pipe sizes  
2" to 16" IPS

Large wire sizes  
to 1000MCM

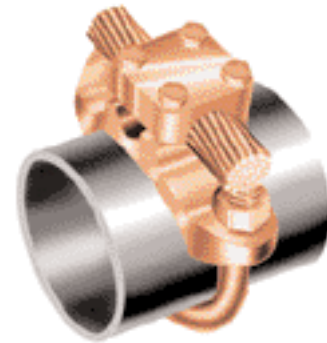


Figure 1

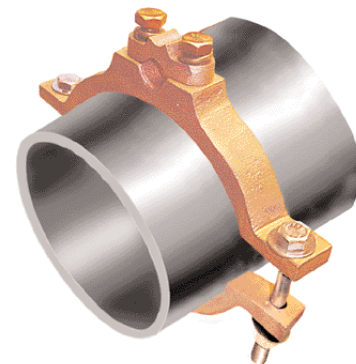


Figure 2\*

Sizes for other O.D. or circumference available. For sizes not listed contact factory for delivery.

PLATING: For tin plating add suffix letter "P" to CATALOG NUMBERS.

\* 1000MCM sizes not UL Listed.

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## GROUNDING

### U-BOLT GROUND CLAMP CONNECTORS

Heavy Duty - Bronze castings for strength and ruggedness

Use to connect wire to pipe or fence posts

High copper alloy bronze castings with silicon bronze hardware

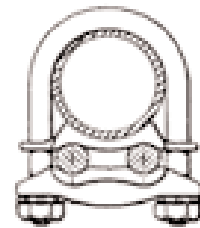
Suitable for direct burial in earth or concrete

#### CW SERIES

NAED NUMBER	CATALOG NUMBER	WATER PIPE SIZE (IPS)	CABLE RANGE	EST. SHIPPING	
				WEIGHT (lbs)	UNIT
24814	CW 114	1	#4 - 2/0	.68	EA
24815	CW 115		2/0 - 250	.91	EA
24820	CW 120	1 1/4	#4 - 2/0	1.1	EA
24821	CW 121		2/0 - 250	1.2	EA
24826	CW 126	1 1/2	#4 - 2/0	1.2	EA
24827	CW 127		2/0 - 250	1.4	EA
24828	CW 128		300 - 500	2.1	EA
24832	CW 132		#4 - 2/0	1.35	EA
24833	CW 133	2	2/0 - 250	1.5	EA
24834	CW 134		300 - 500	2.6	EA
24837	CW 137	2 1/2	#4 - 2/0	1.66	EA
24838	CW 138		2/0 - 250	2.31	EA
24839	CW 139		300 - 500	3.4	EA
24842	CW 142		#4 - 2/0	2.0	EA
24843	CW 143	3	2/0 - 250	2.5	EA
24844	CW 144		300 - 500	3.5	EA

Direct Burial

Copper wire only



Connects two cables parallel to pipe

### U-BOLT GROUND CLAMP CONNECTORS

Heavy Duty - Bronze castings for strength and ruggedness

Use to connect wire to pipe or fence posts

High copper alloy bronze castings with silicon bronze hardware

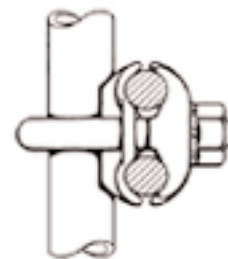
Suitable for direct burial in earth or concrete

#### CS SERIES

NAED NUMBER	CATALOG NUMBER	ROD SIZE (IN)	WATER PIPE SIZE (IPS)	CABLE RANGE	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
24701	CS 101	1/2	1/4	# 4 - 2/0	.56	EA
24702	CS 102			2/0 - 250	.80	EA
24704	CS 104	5/8 or 3/4	3/8	# 4 - 2/0	.67	EA
24705	CS 105			2/0 - 250	.84	EA
24708	CS 108	7/8 or 1	1/2 - 3/4	# 4 - 2/0	.68	EA
24709	CS 109			2/0 - 250	.85	EA
24710	CS 110			300 - 500	1.1	EA
24714	CS 114			# 4 - 2/0	.78	EA
24715	CS 115	-	1	2/0 - 250	.78	EA
24716	CS 116			300 - 500	2.1	EA
24720	CS 120	-	1 1/4	# 4 - 2/0	.94	EA
24721	CS 121			2/0 - 250	.97	EA
24722	CS 122			300 - 500	2.4	EA
24726	CS 126			# 4 - 2/0	.84	EA
24727	CS 127	-	1 1/2	2/0 - 250	1.2	EA
24728	CS 128			300 - 500	1.9	EA
24732	CS 132	-	2	#4 - 2/0	1.2	EA
24733	CS 133			2/0 - 250	1.3	EA
24734	CS 134			300 - 500	2.3	EA

Direct Burial

Copper wire only



Connects two cables perpendicular to rod or pipe

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## GROUNDING

### U-BOLT GROUND CLAMP CONNECTORS

Heavy Duty - Bronze castings for strength and ruggedness

Use to connect wire to pipe or fence posts

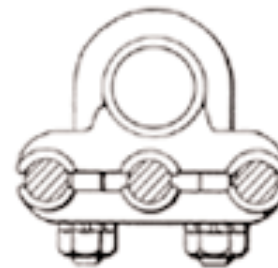
High copper alloy bronze castings with silicon bronze hardware

Suitable for direct burial in earth or concrete

**Direct Burial**

### CZ SERIES

NAED NUMBER	CATALOG NUMBER	ROD SIZE (IN)	WATER PIPE SIZE (IPS)	CABLE RANGE	EST. SHIPPING	
					WEIGHT (lbs)	UNIT
24904	<b>CZ 104</b>	5/8 or 3/4	3/8	#4 - 2/0	.93	EA
24905	<b>CZ 105</b>			2/0 - 250	1.2	EA
24908	<b>CZ 108</b>	7/8 or 1	1/2 or 3/4	#4 - 2/0	1.3	EA
24909	<b>CZ 109</b>			2/0 - 250	2.1	EA
24910	<b>CZ 110</b>			300 - 500	1.8	EA
24914	<b>CZ 114</b>			#4 - 2/0	1.3	EA
24915	<b>CZ 115</b>	-	1	2/0 - 250	1.3	EA
24916	<b>CZ 116</b>	-	-	300 - 500	3.2	EA
24920	<b>CZ 120</b>	-	1 1/4	#4 - 2/0	1.5	EA
24921	<b>CZ 121</b>			2/0 - 250	1.6	EA
24922	<b>CZ 122</b>			300 - 500	3.7	EA
24926	<b>CZ 126</b>	-	1 1/2	#4 - 2/0	1.5	EA
24927	<b>CZ 127</b>			2/0 - 250	1.83	EA
24928	<b>CZ 128</b>			300 - 500	3.7	EA
24932	<b>CZ 132</b>			#4 - 2/0	1.9	EA
24933	<b>CZ 133</b>	-	2	2/0 - 250	2.6	EA
24934	<b>CZ 134</b>	-	-	300 - 500	4.3	EA
24937	<b>CZ 137</b>	-	2 1/2	#4 - 2/0	2.3	EA
24938	<b>CZ 138</b>			2/0 - 250	3.2	EA
24939	<b>CZ 139</b>			300 - 500	4.7	EA
24942	<b>CZ 142</b>	-	3	#4 - 2/0	2.7	EA
24943	<b>CZ 143</b>			2/0 - 250	3.5	EA
24944	<b>CZ 144</b>			300 - 500	5.4	EA
24947	<b>CZ 147</b>			-	3 1/2	#4 - 2/0



Connects three cables parallel to rod or pipe

### RAISED-FLOOR PEDESTAL CLAMPS

Pedestal clamp for raised computer-floor grounding grid applications

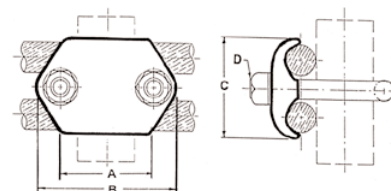
Accommodates one or two grounding wires

Install on round or square pedestal, as noted

Provides signal reference grid, static ground drain, fault current ground

Bronze high-copper alloy body and silicon bronze hardware

Suitable for direct burial in earth or concrete

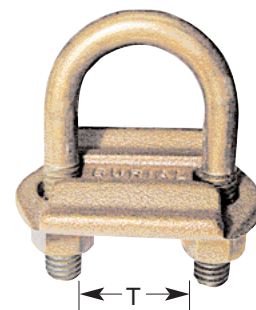


Connects one or two cables perpendicular to pedestal

### CR SERIES

T = Throat of U-bolt

NAED NUMBER	CATALOG NUMBER	PEDESTAL		CONDUCTORS		DIMENSIONS					CTN QTY	EST. SHIPPING	
		SIZE (IN)	TYPE	NO.	SIZE	A	B	C	D	T		WEIGHT (lbs)	UNIT
25807	<b>CR107</b>	3/4 - 1 3/4 - 7/8	ROUND SQUARE	1 or 2	#8-4 STR	1.50	2.38	1.3	3/8	1.15	20	7.8	CTN
25808	<b>CR108</b>	3/4 - 1 3/4 - 7/8	ROUND SQUARE	1 or 2	#4-2/0 STR	1.50	2.38	1.7	3/8	1.15	20	9.7	CTN
25814	<b>CR114</b>	1 1/4	ROUND	1 or 2	#4-2/0 STR	1.75	2.62	1.7	3/8	1.38	20	9.8	CTN

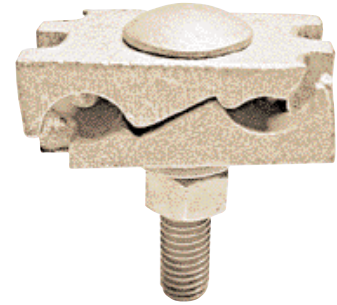
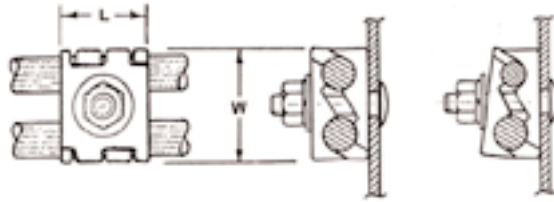




## GROUNDING CABLE TRAY CONNECTORS

### CABLE TRAY CLAMP

Bronze multi-purpose connector for tray, splice, tap, or cable-end  
High-copper alloy body  
Accommodates either one or two conductors  
Galvanized carriage bolt with square shoulder prevents turning  
Low profile head provides smooth surface on inside of tray  
Large contact surfaces to tray and wires for low resistance  
For use with copper conductor



CTGG 25-P  
Shown

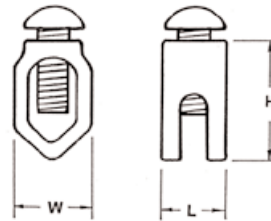
### CTGG SERIES

NAED NUMBER	CATALOG NUMBER	WIRE RANGE		DIMENSIONS (IN)		BOLT SIZE	CTN QTY	EST. SHIPPING	
		MAIN	TAP	W	L			WEIGHT (lbs)	UNIT
71180	CTGG 25	250-1/0	250-1/0	1 7/8	1	3/8-16 X 2	20	6.91	CTN
71181	CTGG 25-P*	250-1/0	250-1/0	1 7/8	1	3/8-16 X 2	20	6.91	CTN

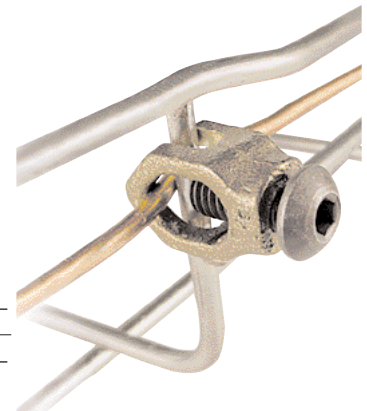
\*CTGG25-P is tin-plated for use with aluminum conductor or on aluminum tray, use oxide-inhibitor.  
Available with silicon bronze hardware, add "-BC" to CATALOG NUMBER.

### Thru-Grip™ WIRE-TYPE CABLE TRAY CLAMP

For grounding applications on wire-basket type cable tray  
Use to connect single jumper-wire to tray sections  
Bronze high-copper alloy body  
Unique design provides lay-in feature quick installation turn prevention  
Mount on tray-wire perpendicular to ground wire direction  
Direct wire-to-wire contact provides low-resistance connection  
Provides smooth surface on inside of tray



For copper wire



### CT29 SERIES

NAED NUMBER	CATALOG NUMBER	TRAY WIRE	GROUND CONDUCTOR	DIMENSIONS (IN)			SCREW SIZE	CTN QTY	EST. SHIPPING	
				H	L	W			WEIGHT (lbs)	UNIT
71190	CT 29	1/8 - 3/16	#10 - 6SOL	1	1/2	5/8	1/4-20 X 3/4	25	1.70	CTN
71191	CT 29-P*	1/8 - 3/16	#10 - 6SOL	1	1/2	5/8	1/4-20 X 3/4	25	1.70	CTN

Standard screw is round-head, recessed-socket, plated-steel  
Available with plated steel, slotted-head screw; add "-SL" to CATALOG NUMBER  
Available with silicon bronze hex-head screw; add "-BH" to CATALOG NUMBER  
\*CT29-P is tin-plated



## GROUNDING

### BOND STUDS

Lay-in connector for continuous loop grounding  
 Use to ground 1 or 2 conductors to bar or plate  
 High copper bronze alloy for maximum conductivity  
 Suitable for direct burial in earth or concrete

### BS SERIES

NAED NUMBER	CATALOG NUMBER	MAX. WIRE SIZE		STUD SIZE		CTN QTY	EST. SHIPPING	
		SOLID	STRND.	THREAD	LENGTH		WEIGHT (lbs)	UNIT
<b>ONE WIRE</b>								
70740	<b>BS 1-7</b>	#6	#7	1/4 - 20	1/2	25	1.35	CTN
70745	<b>BS 1-5</b>	#4	#5	5/16 -18	9/16	25	2.35	CTN
70750	<b>BS 1-3</b>	#2	#3	3/8 -16	5/8	25	2.85	CTN
70755	<b>BS 1-2</b>	#1	#2	3/8 -16	5/8	25	3.10	CTN
70760	<b>BS 1-10</b>	2/0	1/0	1/2 -13	3/4	10	2.20	CTN
70765	<b>BS 1-20</b>	3/0	2/0	1/2 -13	3/4	10	3.20	CTN
70775	<b>BS 1-40</b>	-	4/0	5/8 -11	1	5	2.70	CTN
<b>TWO WIRE</b>								
70780	<b>BS 2-7</b>	#6	#7	1/4 -20	1/2	25	1.85	CTN
70785	<b>BS 2-5</b>	#4	#5	5/16 -18	9/16	25	2.10	CTN
70790	<b>BS 2-3</b>	#2	#3	3/8 -16	5/8	25	3.60	CTN
70795	<b>BS 2-2</b>	#1	#2	3/8 -16	5/8	25	4.25	CTN
70800	<b>BS 2-10</b>	2/0	1/0	1/2 -13	3/4	10	2.50	CTN
70805	<b>BS 2-20</b>	3/0	2/0	1/2 -13	3/4	10	3.50	CTN
70815	<b>BS 2-40</b>	-	4/0	5/8 -11	1	5	3.00	CTN

For sizes not listed consult factory for delivery.

Bronze nuts, flat washers and lockwashers available, see HARDWARE pages.

PLATING: For tin plating add suffix "P" to CATALOG NUMBERS.

For longer stud add suffix "L" to CATALOG NUMBERS, consult factory for availability.

### CONTINUOUS LOOP GROUNDING

#### Lay-in Lug for Grounding or Continuous Loop Bonding

Use on electrical equipment, conduit bushings, jumper to multiple conduits

Heavy Duty - Bronze castings for strength and ruggedness

High copper alloy bronze castings with silicon bronze hardware

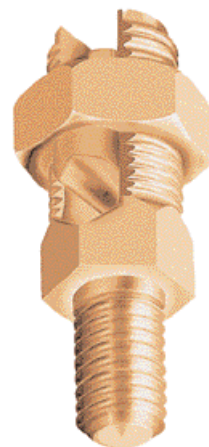
Suitable for direct burial in earth or concrete, copper cable only

### JR-DB

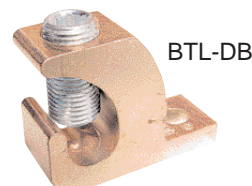
#### Lay-in Lugs

NAED NUMBER	CATALOG NUMBER	MATERIAL		WIRE RANGE	BOLT SIZE	CTN QTY	EST. SHIPPING	
		BODY	SCREW				WEIGHT (lbs)	UNIT
27201	<b>BTL 4-DB</b>	COPPER	STAINLESS	#4 - 14	#10	50	3.06	CTN
27205	<b>BTL 414-DB</b>			#4 - 14	1/4	50	3.89	CTN
27210	<b>J 2AR-DB</b>	BRONZE	BRONZE	#1 - 4	1/4	25	4.30	CTN
27211	<b>J 3AR-DB</b>			2/0 - 1/0	3/8	25	6.39	CTN
27212	<b>J 4AR-DB</b>			4/0 - 2/0	1/2	12	4.60	CTN
27213	<b>J 5AR-DB</b>			350 - 4/0	1/2	1	0.59	EA
27214	<b>J 6AR-DB</b>			500 - 350	1/2	1	0.84	EA
27215	<b>J 7AR-DB</b>			750 - 500	1/2	1	1.38	EA
27216	<b>J 8AR-DB</b>			1000 - 75	5/8	1	2.00	EA

#### Direct Burial



#### Direct Burial







# INTERSYSTEM BONDING TERMINATION

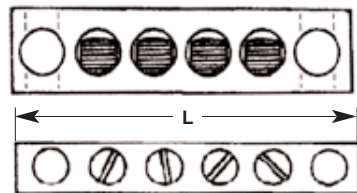
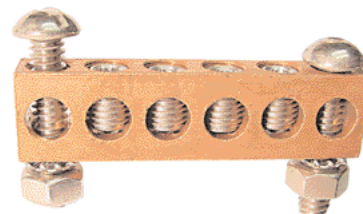
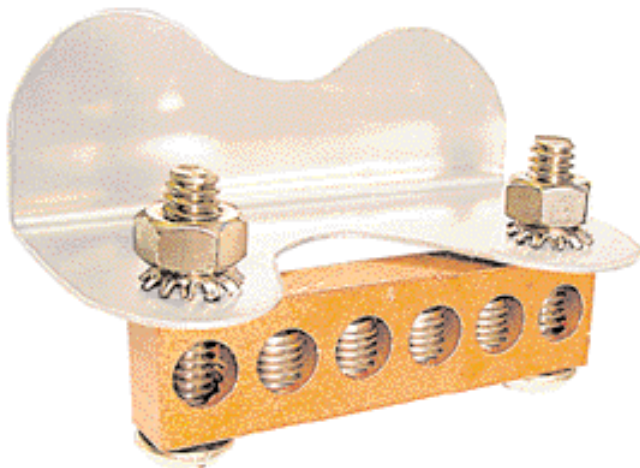
## METERBOX BONDING KIT

Use to connect multiple intersystem conductors  
 Accommodates up to 4 wires #2-14AWG  
 Mount on exterior of meter box or panel  
 All kits include stainless steel mounting hardware  
 Each kit is individually bagged  
 MBKA Aluminum bar kit is suitable for indoor or dry outdoor use  
 MBKC Copper bar kit is suitable for outdoor situations

**2008 NEC article 250.94 requirements**

- An intersystem bonding termination for connecting intersystem bonding and grounding conductors required for other systems shall be provided external to enclosures at the service equipment and at the disconnecting means for any additional buildings or structures.
- The intersystem bonding termination shall be accessible for connection and inspection. The intersystem bonding termination shall have the capacity for connection of not less than three intersystem bonding conductors.
- The intersystem bonding termination device shall not interfere with opening a service or metering equipment enclosure.

### Cutaway of box



### Each kit contains:

- (1) Bar with set-screws for wire connecting
- (2) Mounting screws 1/4-20 X 1 1/4" stainless steel slotted head
- (2) Nuts 1/4-20 stainless steel
- (2) External-tooth countersunk lock-washers 1/4" stainless steel

## MBK SERIES

NAED NUMBER	CATALOG NUMBER	BAR MAT'L	DIMENSIONS (IN)			MOUNTING HOLE		KITS/CTN	EST. SHIPPING	
			W	H	L	DIA	CENTERS		WEIGHT (lbs)	UNIT
27450	MBKC2-4	CU*	3/8	5/8	2 7/16	1/4 CLEAR	2 3/8	10	2	CTN
27460	MBKA2-4	AL**	3/8	5/8	2 7/16	1/4 CLEAR	2 3/8	10	1	CTN

\* CU bar (in #MBKC2-4) is CSA certified and UL recognized with zinc-plated steel set-screws; CU bar in kit has stainless steel (5/32 hex-socket) set-screws suitable for outdoor locations.

\*\*Aluminum bar (in #MBKA2-4) is CSA certified. Screws are slotted-head zinc-plated mild steel.

### INSTALLATION

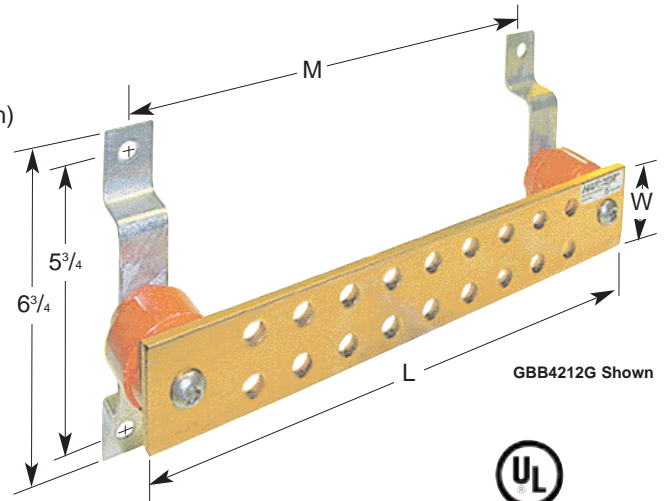
- 1 - Pre-position bar and drill one 1/4 inch clearance hole. Install bar loosely with one screw. Locate and drill second mounting hole. Clean inner metal surface if heavily coated (inner surface need not be cleaned if it is paint-coated less than .01 thick).
- 2 - Position teeth of external-tooth washers down against inside surface of box, as shown, so they will penetrate paint to create the bonding connection.
- 3 - Apply oxide-inhibitor or silicone sealant to bare metal surfaces of drilled holes and around mounting screws to create seal.
- 4 - Finish the assembly and tighten the mounting screws to 7 in-lbs torque, to assure that the external-tooth washers penetrate paint to create the bonding connection.
- 5 - Install wires into bar. Tighten set-screws to 130 in-lb on #2AWG, 75 in-lb on #4AWG, 60 in-lb on #6AWG, 55 in-lb on #8AWG.



# GROUNING

## GROUND BUS BARS

Use to connect multiple ground conductors/lugs in panels  
 Includes stand-off brackets (1 inch high) and insulators (1 1/2 inch high)  
 Standoff brackets drilled for 3/8 bolts  
 Other lug-mounting patterns also available  
 Copper bus 1/4 inch thick  
 Individually packaged



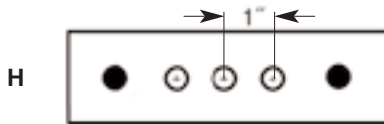
## GBB SERIES

NAED NUMBER	CATALOG NO.	DIMENSIONS (IN)			LUG-HOLES		EST. SHIPPING	
		W	L	M	PATTERN NO.	WEIGHT (lbs)	UNIT	
27183	<b>GBB416H</b>	1	6	-	H	3	2	EA
27188	<b>GBB4212G</b>	2	12	10 <sup>9/16</sup>	G	18	3	EA
27186	<b>GBB4212X</b>	2	12	-	X	16	3	EA
27180	<b>GBB4212N</b>	2	12	10 <sup>9/16</sup>	N	0	3	EA

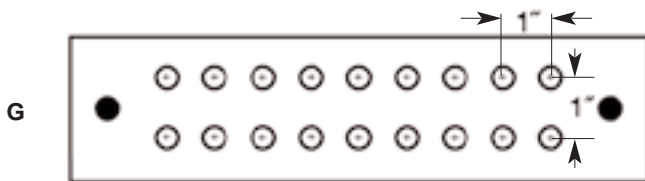
Available in other configurations, consult factory.  
 For tin plating add suffix "P" to CATALOG NUMBERS.

### Standard lug-hole patterns

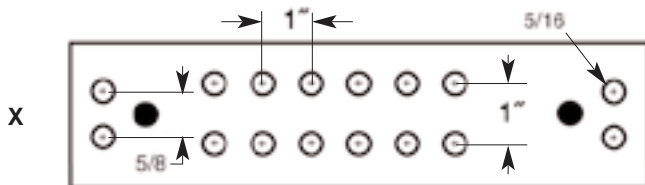
Lug-mounting holes are for 3/8" bolt size (7/16" diameter) unless otherwise noted.



(3) lug-mounting holes (3/8 bolt size)



(18) lug-mounting holes (3/8 bolt size), for  
 (9) 2-hole lugs (1 inch spacing),  
 or (18) 1-hole lugs



(16) lug-mounting holes for  
 (6) 2-hole lugs (3/8 bolt size, 1 inch spacing),  
 or (12) 1-hole lugs  
 and (2) 2-hole lugs (1/4 bolt size, 5/8 inch spacing)



Blank, supplied with no lug-mounting holes



## GROUNDING

### CROSS CONNECTORS

Universal - for use as a tee, tap, parallel, end-to-end and cross

Wide wire range capability

Bronze body with bronze or stainless steel hardware

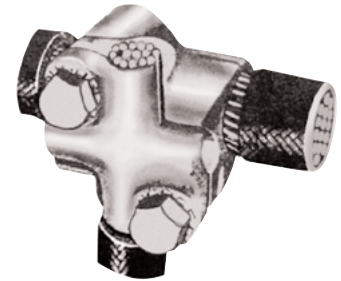
Suitable materials for direct burial in earth or concrete

**Direct Burial**  
For copper cable

### C-X SERIES

NAED NUMBER	CATALOG NUMBER	WIRE RANGE				CTN QTY
		MAIN		TAP		
		MAX.	MIN.	MAX.	MIN.	
70705	<b>C 2X</b>	4/0 STR	1 SOL	2 STR	6 STR	12
70710	<b>C 3X</b>	250 MCM	6 SOL	250 MCM	6 SOL	12
70715	<b>C 4X</b>	500 MCM	250 MCM	2 STR	6 SOL	6
70720	<b>C 5X</b>	500 MCM	250 MCM	4/0 STR	1 STR	6
70725	<b>C 6X</b>	500 MCM	2 SOL	500 MCM	2 SOL	3
70730	<b>C 10X</b>	1000 MCM	2 AWG	1000 MCM	2 AWG	1
70735	<b>C 20X</b>	2000 MCM	4/0 AWG	2000 MCM	4/0 AWG	1

PLATING: For tin plating add suffix "P" to the catalog numbers.  
For sizes not listed consult factory.



### TRANSFORMER GROUND CONNECTORS

For transformers with 1/2-13 tapped hole

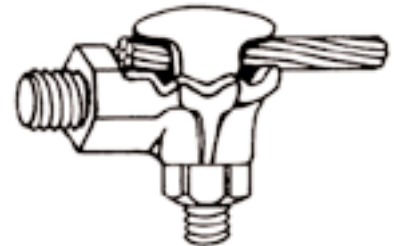
Bronze body - High conductivity copper alloy

High strength bronze eye bolt, nut, lock washer

### GLT SERIES

NAED NUMBER	CATALOG NUMBER	WIRE RANGE		CTN QTY	EST. SHIPPING	
		MAX.	MIN.		WEIGHT (lbs)	UNIT
71080	<b>GLT 1</b>	#1 STR	#10 SOL	50	11.7	CTN
71082	<b>GLT 20</b>	2/0 STR	#8 SOL	50	14.3	CTN
71084	<b>GLT 250</b>	250 MCM	#6 STR	25	11.0	CTN

Plating: For tin plating add suffix "P" to CATALOG NUMBER.





## GROUNDING

### BAR OR TOWER GROUND CONNECTORS

Heavy Duty - Bronze castings for strength and ruggedness

Use for grounding cable or wire to a flat bar, plate, or structural steel member

High copper alloy bronze castings with silicon bronze hardware

Suitable for direct burial in earth or concrete

#### Direct Burial

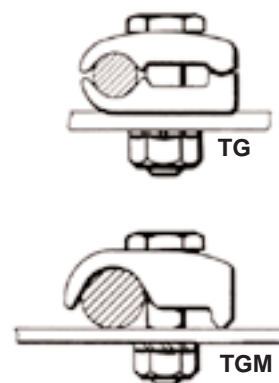
For copper wire only



### TG SERIES

NAED NUMBER	CATALOG NUMBER	CABLE RANGE		BOLT SIZE	EST. SHIPPING	
		MAX	MIN		WEIGHT (lbs)	UNIT
71100	<b>TG 04</b>	#4 STR	#8 SOL	3/8	0.16	EA
71105	<b>TG 20</b>	2/0 STR	#4 SOL	3/8	0.41	EA
71110	<b>TG 25</b>	250 MCM	2/0 SOL	7/16	0.45	EA
71115	<b>TG 50</b>	500 MCM	300 MCM	1/2	0.87	EA
71116	<b>TG 75</b>	750 MCM	550 MCM	5/8	1.25	EA
71120	<b>TGM 04</b>	#4 STR	#8 SOL	3/8	0.13	EA
71125	<b>TGM 20</b>	2/0 STR	#4 SOL	3/8	0.20	EA
71130	<b>TGM 25</b>	250 MCM	2/0 SOL	7/16	0.31	EA
71135	<b>TGM 50</b>	500 MCM	300 MCM	1/2	0.80	EA
71140	<b>TGM 75</b>	750 MCM	550 MCM	5/8	1.10	EA

Consult factory for connectors for bar greater than 1/4" thick.  
For tin plating add suffix "P" to CATALOG NUMBERS.

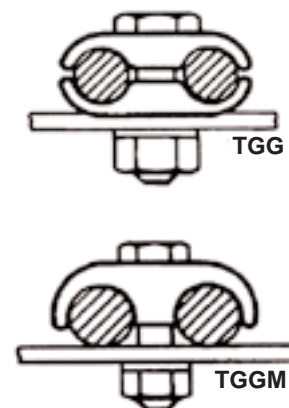


Connects one ground wire to  
1/4" thick bar or stanchion

### TGG SERIES

NAED NUMBER	CATALOG NUMBER	CABLE RANGE		BOLT SIZE	EST. SHIPPING	
		MAX	MIN		WEIGHT (lbs)	UNIT
71101	<b>TGG 04</b>	#4 STR	#8 SOL	3/8	0.23	EA
71106	<b>TGG 20</b>	2/0 STR	#4 SOL	3/8	0.38	EA
71111	<b>TGG 25</b>	250 MCM	2/0 SOL	7/16	0.81	EA
71117	<b>TGG 50</b>	500 MCM	300 MCM	1/2	1.50	EA
71118	<b>TGG 75</b>	750 MCM	550 MCM	5/8	2.20	EA
71121	<b>TGGM 04</b>	#4 STR	#8 SOL	3/8	0.20	EA
71126	<b>TGGM 20</b>	2/0 STR	#4 SOL	3/8	0.28	EA
71131	<b>TGGM 25</b>	250 MCM	2/0 SOL	7/16	0.70	EA
71136	<b>TGGM 50</b>	500 MCM	300 MCM	1/2	1.20	EA
71141	<b>TGGM 75</b>	750 MCM	550 MCM	5/8	2.00	EA

Consult factory for connectors for bar greater than 1/4" thick.  
For tin plating add suffix "P" to CATALOG NUMBERS.



Connects two ground wires  
to 1/4" thick bar or stanchion