



## 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.



**Direct Burial**  
Continuous loop  
Copper wire only

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

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-50DB SERIES LOW-WING™ System

NAED NUMBER	CATALOG NUMBER	REBAR SIZE		WIRE RANGE	CTN QTY	EST. SHIPPING	
		#	INCH			WEIGHT (lbs)	UNIT
30755	G 150-DB	6 - 9	3/4 - 1 1/8	4/0STR - #10SOL	25	12.2	CTN
30765	G 250-DB	11	1 3/8		10	6.8	CTN

G-50DB Series not CSA. Screws are either bronze or stainless steel.

Use to connect wire to rebar or water pipe

#### GR-DB SERIES Lay-in Rebar Clamp

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

\*Not CSA.

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			0.48	EA
25080	C 104	4 - 6	1/2 - 3/4			0.54	EA
25160	C 108	7 - 8	7/8 - 1	2/0 - #4	EA	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.



**R**



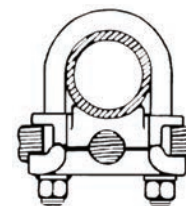
**E**

**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  
 \*\*Not UL listed



Patent Pending

**Direct Burial**  
 Continuous loop  
 Copper wire only



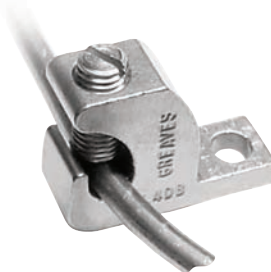
**BEAVER TOOTH LUG**

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



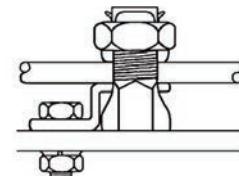
**BUGLUGS™**

Heavy duty silicon bronze and copper, tin-plated

**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	5.80	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. \*Not CSA



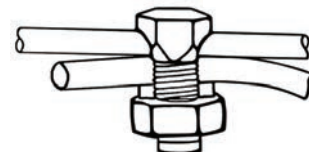
**Direct Burial**  
 Copper wire only



**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

**Direct Burial**

Copper wire only

## GROUND ROD CLAMPS

For connecting ground wire to ground rod  
Cast bronze body with silicon bronze bolt  
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	G 29	3/8	#4 STR	50	3.3	CTN
27010	G 30	1/2	#4 SOL	50	4.2	CTN
27020	G 31	5/8	1/0 SOL	50	5.6	CTN
27030	G 32	3/4	#2 SOL	50	6.7	CTN
27040	G 100	1	4/0 STR	25	7.6	CTN



## PIPE CLAMPS

For connecting ground wire to water pipe  
Cast bronze body, silicon bronze or stainless steel screws  
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	G 1S-DB	1/2 - 1	#2 STR	50	9.5	CTN
70622	G 2S-DB	1 1/4 - 2	#2 STR	25	9.0	CTN



**Direct Burial**



## U-BOLT CLAMPS

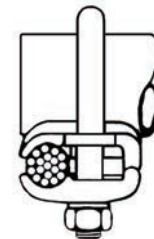
Heavy Duty U-bolt Clamps  
Use to connect wire to pipe, rod, or fence posts  
Cast bronze bodies with silicon bronze hardware  
CSA Certified for direct burial in earth and concrete

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

See C100 Series for complete listing of sizes.  
PLATING: For tin plating of above items add suffix "P" to catalog number.

**Direct Burial**

Continuous Loop



Parallel or 90° connection to rod or pipe

## 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	SS 10-A	10-24	1/2	50	100	50	50	.4	KIT
27223	SS 10-B		3/4					.5	KIT
27225	SS 10-C		1					.6	KIT
27226	SS 10-D		1 1/4					.6	KIT
27231	SS 0-A	1/4-20	1/2	25	50	25	25	.6	KIT
27233	SS 0-B		3/4					.7	KIT
27235	SS 0-C		1					.8	KIT
27237	SS 0-D		1 1/2					.9	KIT

For larger sizes of stainless steel or silicon bronze see hardware section.

**Direct Burial**

