



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

G150-DB 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

G150-DB 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

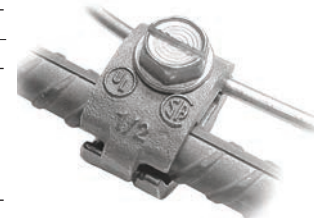
*Not CSA.

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

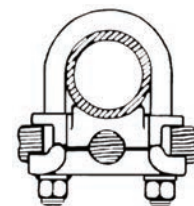
B

Lay-in
Capability



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) for Ufer ground
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**

Direct Burial

Continuous loop
Copper wire only



486D



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

BEAVER TOOTH LUG

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

Lay-in-Lug

Direct Burial

Copper wire only



486D



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.

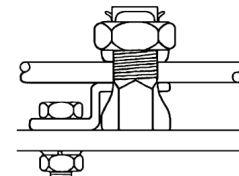
BUGLUGS™

Heavy duty silicon bronze and copper, tin-plated

Lay-in-Lug

Direct Burial

Copper wire only



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

MESH-BUG™

Use to connect copper conductor to wire mesh

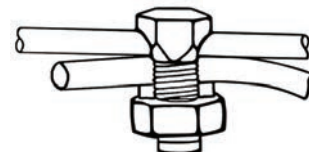
Copper-alloy bronze construction

Sizes available for rolled (#10) and heavy (#6) wire mesh

UL listed for direct burial in earth and concrete

Direct Burial

Copper wire only



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	EA
10132	A3-DB	#10	#6 SOL - 8 AWG	0.05	EA
10241	A5-DB	#6, #10	#4 AWG - 8 SOL	0.06	EA
10361	A8-DB	#2	#2 - 6 AWG	0.11	EA
10261	A10-DB	#1/0	#1/0 - 4 AWG	0.16	EA