



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

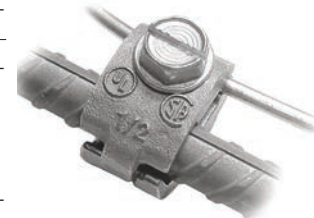
*Not CSA.

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



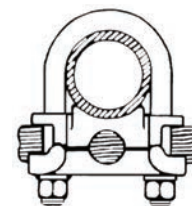
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Parallel or 90° connection to rod or pipe

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



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

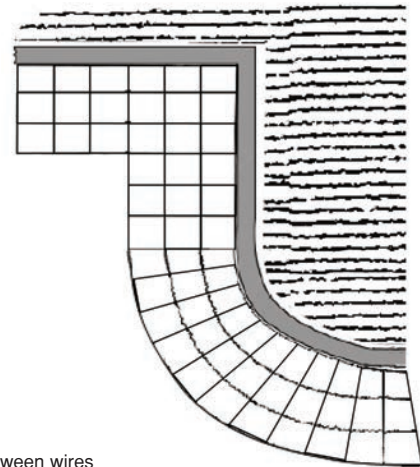
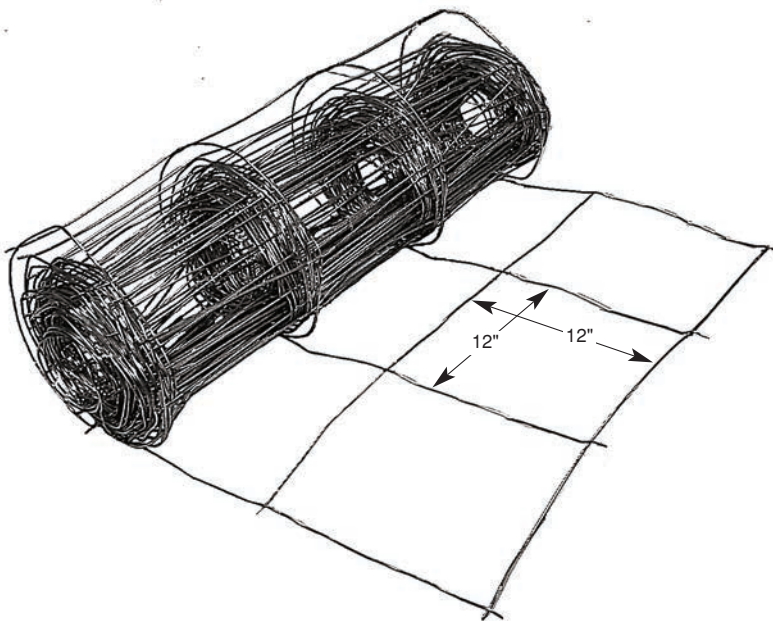
Kits include hardware listed below

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
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.