

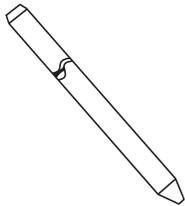
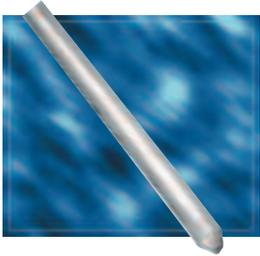
Thomas & Betts

***Blackburn Grounding
Electrodes and
Accessories***



Blackburn®

Galvanized ground rod



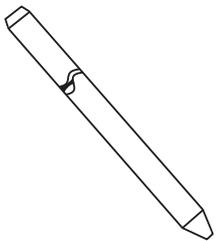
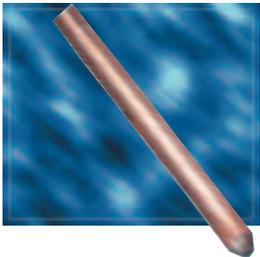
- Made of high strength quality steel, hot dip galvanized.
- Meets ANSI CI35.30-1979 requirements.
- Stainless steel rods are also available (**For more detailed information, contact your T&B regional sales office**).



Cat. No.	Rod Size (nominal diameter x length)				Standard Package	Weight Per 100	
	in.	ft.	mm.	m.		lb.	kg.
GR5006	1/2	x 6	12.7	x 1.8	10	410	186
GR6256	5/8	x 6	15.8	x 1.8	5	600	272
GR6258	5/8	x 8	15.8	x 2.4	5	800	363
GR6250	5/8	x 10	15.8	x 3.0	5	1000	454
GR6250B*	5/8	x 10	15.8	x 3.0	5	1000	454
GR7506	3/4	x 6	15.8	x 1.8	5	700	318
GR7508	3/4	x 8	19.0	x 2.4	5	1200	545
GR7510	3/4	x 10	19.0	x 3.0	5	1500	681

* B suffix denotes black iron bare steel ground rod (not CSA certified).
CSA lists rods 1/2" in. and larger, 10 ft. and longer.

Copper Bonded steel ground rod



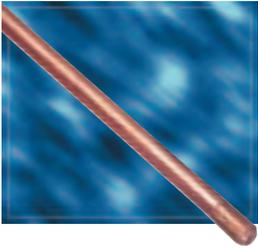
- All Blackburn ground rods have a heavy uniform covering of electrolytic copper bonded to a rigid steel core.
- Copper ions are forced electrically to join with the steel core, establishing a corrosion-resistant bond between the copper and the steel.



Cat. No.	Rod Size (nominal diameter x length)				Standard Package	Weight Per 100	
	in.	ft.	mm.	m.		lb.	kg.
5005	1/2	x 5	12.7	x 1.5	5	305	138
5006	1/2	x 6	12.7	x 1.8	5	370	168
5008	1/2	x 8	12.7	x 2.4	5	545	247
5010	1/2	x 10	12.7	x 3.0	5	611	277
6256	5/8	x 6	15.8	x 1.8	5	508	230
6258*	5/8	x 8	15.8	x 2.4	5	678	308
6260*	5/8	x 10	15.8	x 3.0	5	847	384
7508*	3/4	x 8	19.0	x 2.4	5	992	450
7510*	3/4	x 10	19.0	x 3.0	5	1240	462
1010*	1	x 10	25.4	x 3.0	5	2248	1020

*Ground rods are UL listed (425H), except for regular rods shorter than 8 ft. or less than 1/2 in.
CSA lists rods 1/2" in. and larger, 10 ft. and longer.

Sectional type ground rods



- Sectional type ground rods have the same high quality as regular copper bonded steel ground rods, and are threaded top and bottom.



Cat. No.	Rod Size (nominal diameter x length)				Thread Size	Standard Package	Weight Per 100	
	in.	ft.	mm.	m.			lb.	kg.
5006LS	1/2	x 6	12.7	x 1.8	9/16-12	5	410	189
5008LS	1/2	x 8	12.7	x 2.4	9/16-12	5	546	248
5010LS	1/2	x 10	12.7	x 3.0	9/16-12	5	682	309
6256S	5/8	x 6	15.8	x 1.8	5/8-11	5	508	230
6258S	5/8	x 8	15.8	x 2.4	5/8-11	5	678	308
6260S	5/8	x 10	15.8	x 3.0	5/8-11	5	847	384
7506S	3/4	x 6	19.0	x 1.8	3/4-10	5	774	160
7508S	3/4	x 8	19.0	x 2.4	3/4-10	5	992	450
7510S	3/4	x 10	19.0	x 3.0	3/4-10	5	1040	562
1010S	1	x 10	25.4	x 3.0	1-8	5	2248	1020

CSA lists rods 1/2" in. and larger, 10 ft. and longer.

Coupling



- Threaded couplings are made of high strength, corrosion resistant alloy. Streamlined design reduces driving friction. Couplings are tapped for use on all standard threaded sectional rods.



Cat. No.	Rod Size Diameter (in.)	Size	Standard Package	Weight Per 100
50LC*	1/2	9/16"-12 UNS	25	17
60C**	5/8	5/8"-11 UNS	25	25
70C*	3/4	3/4"-10 UNS	25	38
80C*	1	1"-8 UNS	10	100

* UL Listed 467 (425H). * RUS Listed

Driving studs



- Driving Studs of high strength steel may be used with all standard threaded couplings.



Cat. No.	Rod Size Diameter (in.)	Size	Standard Package	Weight Per 100
50LDS*	1/2	9/16"-12 UNS	10	16
60DS**	5/8	5/8"-11 UNS	25	23
70DS*	3/4	3/4"-10 UNS	5	35
80DS	1	1"-8 UNS	10	75

* UL Listed 467 (425H). * REA Listed

Threadless coupling and driving caps for standard copper bonded ground rods



Threadless Coupling

- For joining non-threaded, sectional, copper bonded, steel ground rods
- Coupling is manufactured of a high strength, corrosion resistant, copper alloy

Threadless Driving Cap

- Prevents “mushrooming” of ground rod while driving to insure proper fit of coupling
- Driving cap is manufactured of high strength, hardened steel

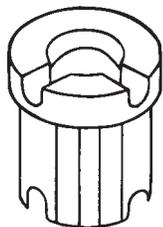
Cat. No.	Size (in.)	Dimensions (in.)		Standard Package	Weight Per 100 (lb.)
		Length	Diameter		
Threadless coupling					
50LCNT*	1/2	3.0	.78	25	34
60CNT2*	5/8	2.5	.69	25	34
70CNT*	3/4	3.0	.97	25	31
Driving caps					
60DSNT	5/8	4.0	.88	10	43

* UL Listed.

Type DGC – Drive-On Ground Clamps



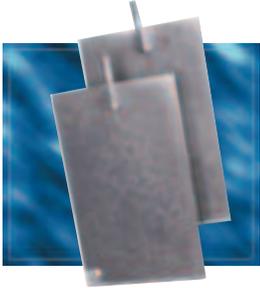
- Drive-on design provides easy tool free installation, high reliability compression fit connection, and room for one or two ground leads
- High-strength copper alloy provides increased tensile strength and long-term corrosion resistance for direct burial applications
- U.L. 486A and U.L. 467 Listed
- RUS Listed



Cat. No.	Ground Rod Size	Ground Wire Size
DGC58-44*	5/8 (.555-.565)	1 or 2-#4 sol.
DGC58-66*	5/8 (.555-.565)	1 or 2-#6 sol. 1-#4 sol.
DGC58-46	5/8 (.555-.565)	1-#6 sol.

* RUS Listed

Galvanized grounding plate



- Made of high quality steel, hot dip galvanized.
- Major time and cost saving vs ground rods.

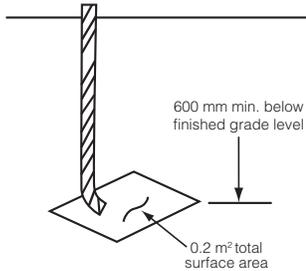
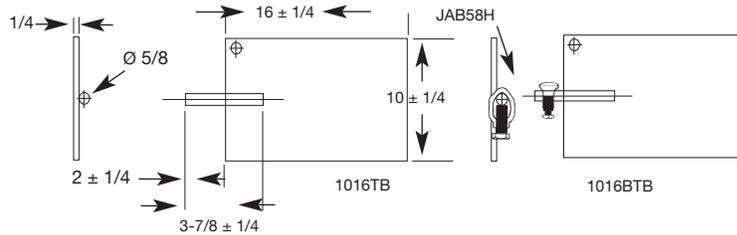


Plate electrode (Rule 10-700(4))

Cat. No.	Description	Wire range	Standard Package
1016TB	Galvanized grounding plate		1
1016BTB	Galvanized grounding plate Complete with JAB58H connector	8 sol. to 1/0 str.	1
1016TB-NG*	Grounding plate (Not galvanized)	8 sol. to 1/0 str.	1
1016BTB-NG*	Grounding plate (Not galvanized) (Complete with ground rod clamp)	8 sol. to 1/0 str.	1

* Not CSA certified

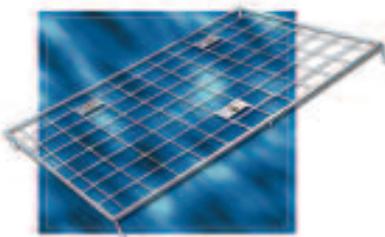
Ground Electrode Boxes



Cat. No.	Description
51628	Pregalvanized steel
51629	Hot dip galvanized

14 gauge steel 10 inch diameter, 12 inch depth.

Metallic Gradient Control Mat



- To reduce risk and prevent build up of dangerous potential differences between high voltage equipment or structures and the user standing on the ground surface. CEC Rule 36-308

Cat. No.	Description	Standard Package	Wt/100	
			lb.	kg.
64663	Mat with connectors	1	3000	1363
64660	Mat without connectors	1	2900	1318

4 ft x 6 ft hot dip galvanized mat is made from 6" x 6" welded mesh. 1/4" diameter. Silicone bronze connector, bolt, nut and lockwasher.

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