

Ground rods



Galvanized ground rods

- Made of high-strength quality cold-drawn steel (1035) hot dip galvanized
- Meets ANSI CI35.30-1979 requirements
- Stainless steel rods are also available (for more detailed information, contact your ABB regional sales office)

Cat. no.	Trade size		Rod size (nominal diameter x length)		Plating thickness (mils)	Standard packaging	Weight per 100	
	in.	ft.	mm	m			lb	kg
GR5006	½	6	12.7	1.8	4	10	410	186
GR6256	⅝	6	15.8	1.8	4	5	600	272
GR6258 (0.620 – 0.630)	⅝	8	15.8	2.4	4	5	800	363
GR6250 (0.555 – 0.565)	⅝	10	15.8	3.0	4	5	1,000	454
GR6260 (0.620 – 0.630)	⅝	10	15.8	3.0	4	5	1,000	454
GR7506	¾	6	17.3	1.8	4	5	700	318
GR7508 (0.745 – 0.755)	¾	8	17.3	2.4	4	5	1,200	545
GR7510 (0.745 – 0.755)	¾	10	17.3	3.0	4	5	1,500	681



Copper-bonded steel ground rods

- All EZGround 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.	Trade size		Rod size (nominal diameter x length)		Plating thickness (mils)	Standard packaging	Weight per 100	
	in.	ft.	mm	m			lb	kg
5005	½	5	12.7	1.5	10	10	305	138
5006	½	6	12.7	1.8	10	5	370	168
5008	½	8	12.7	2.4	10	5	545	247
5010	½	10	12.7	3.0	10	5	611	277
6256	⅝	6	15.8	1.8	10	5	508	230
6258*	⅝	8	15.8	2.4	10	5	678	308
6260*	⅝	10	15.8	3.0	10	5	847	384
7508*	¾	8	17.3	2.4	10	5	992	450
7510*	¾	10	17.3	3.0	10	5	1,240	462
1010*	1	10	25.4	3.0	10	1	2,248	1,020

* Ground rods are UL listed (425H), except for regular rods shorter than 8 ft. or less than ½ in. cULus lists rods ½ in. and larger, 10 ft. and longer.



Knurling die for 14- and 15-ton tools

Cat. no.	Description
15508SS	For ⅝ in. and ¾ in. ground rods

Used to knurl ground rods in order to increase the pullout value of the compression connection by as much as 20%. Use hand knurling tool cat. no. 240-31565-94 for all ground rods.

Ground rods



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.	Trade size		Rod size (nominal diameter x length)		Plating thickness (mils)	Thread size	Standard packaging	Weight per 100	
	in.	ft.	mm	m				lb	kg
5008LS	½	8	12.7	2.4	10	¼-12	5	546	248
5010LS	½	10	12.7	3.0	10	¼-12	5	682	309
6258S	⅝	8	15.8	2.4	10 mils	⅝-11	5	670	308
6260S	⅝	10	15.8	3.0	10 mils	⅝-11	5	837	384
7506S	¾	6	17.3	1.8	5 mils	¾-10	5	774	160
7508S	¾	8	17.3	2.4	10 mils	¾-10	5	992	450
7510S	¾	10	17.3	3.0	10 mils	¾-10	5	1,040	562
1010S	1	10	25.4	3.0	10 mils	8-1	1	2,248	1,020

cULus lists rods ½ in. and larger, 10 ft. and longer.



Couplings

- 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.)	Thread size (UNS)	Standard packaging	Weight per 100 (lb)
50LC	½	¼ po - 12	25	17
60C	⅝	⅝ po - 11	25	25
70C	¾	¾ po - 10	25	38
80C	1	1 - 8	10	75



Driving studs

- Driving studs of high-strength steel
- May be used with all standard threaded couplings



Cat. no.	Rod size diameter (in.)	Thread size (UNS)	Standard packaging	Weight per 100 (lb)
50LDS*	½	9/16 in. - 12	10	16
60DS*+	⅝	5/8 in. - 11	25	23
80DS	1	1 - 8	10	75

* UL Listed
+ CSA Certified

Ground rods



Threadless couplings and driving caps for standard copper bonded ground rods

Threadless couplings

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

Threadless driving caps

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



Cat. no.	Size (in.)	Dimensions (in.)		Standard packaging	Weight per 100 (lb)
		Length	Diameter		
Threadless couplings					
50CNT	½	3.0	0.78	25	34
60CNT2	⅝	2.5	0.69	25	34
70CNT	¾	3.0	0.97	25	31
Driving caps					
60DSNT *	⅝	4.0	0.88	10	43

* UL not applicable

Ground rod drivers



Photo includes ground rod driver and insert.

For installing ground rods, there's no safer, simpler or more effective tool than the ABB ground rod driver. It can be used on all types of ground rods including copper-bonded, galvanized and stainless steel.

Integral inserts prevent the driver from slipping off the rod near ground level. The inserts are $\frac{5}{8}$ in. and $\frac{3}{4}$ in., and are interchangeable with the standard driver body. The convenient retaining collar holds the insert in the tool when not in use. ABB ground rod drivers have a heavy-duty steel construction that allows maximum force for driving ground rods, while the efficient design ensures that minimal lifting force is required. The ground rod end is designed for high-impact applications to ensure quality connections.

- Unique design allows installation of 10-foot rods from ground level
- Heavy-duty steel construction
- Ergonomic grip provides ease and comfort with increased safety
- Complete with interchangeable parts that are range-taking for different diameter ground rods
- Two interchangeable inserts allow the same tool to be used with all sizes of rods
- Completely self-contained and easy to store

Ground rod drivers

Cat. no.	Description	Weight (lb)	Maximum rod diameter (in.)	Std. pkg.
TBRD58	5 ft. Ground rod driver with $\frac{5}{8}$ in. insert	25	0.63	1
TBRD34	5 ft. Ground rod driver with $\frac{3}{4}$ in. insert		0.75	1
TBS58	Replacement $\frac{5}{8}$ in. insert	4	0.63	1
TBS34	Replacement $\frac{3}{4}$ in. insert		0.75	1

Diagrams

