


EZGround grounding systems

Waterpipe ground clamps




	Cat. no.	Ground wire size (AWG)	Water pipe size (in.)
	2-TB	#6, #4, #2	½, ¾, 1 or rebar 4–10
	3-TB	#6, #4, #2	1¼, 1½ or 2
	4	#6, #4, #2	2½, 3 or 3½
	5-TB	#6, #4, #2	4, 4½ or 5
	6	#6, #4, #2	6

Malleable iron crossbar, steel U-bolt, comes with copper cable clamp with serrations

Waterpipe ground clamps




	Cat. no.	Ground wire size (AWG)	Water pipe size (in.)
	3902	#4–4/0	½–1
	3903	#4–4/0	1¼–2
	3904	#4–4/0	2½–3½
	3905-TB	#4–4/0	4–5
	3906-TB	#4–4/0	6
	3907	#4–4/0	8
	3908	#4–4/0	10
	3909-TB	#4–4/0	12

Material: Steel U-bolt and nut, comes with bronzed aluminum cap and crossbar cadmium plated plus gold chromate finish.

Waterpipe ground clamps





	Cat. no.	Ground wire size (AWG)	Water pipe size (in.)
	3902BU*	#4–4/0	½–1
	3903BU*	#4–4/0	1¼–2
	3904BU*	#4–4/0	2½–3½
	3905BU*	#4–4/0	4–5
	3906BU*	#4–4/0	6
	3907BU*	#4–4/0	8
	3908BU*	#4–4/0	10
	3909BU*	#4–4/0	12

Material: Bronze U-bolt and nut, complete with bronzed aluminum cap and crossbar with a bright dip finish. *UL Listed for direct burial

Ground clamps




	Cat. no.	Material	Water pipe, copper tubing size (in.)	Ground rod size (in.)
	3826*	Malleable iron	½, ¾	½–1
	3846*	Bronze		
	3849**	Brass	½–1	–
	3840-TB•	Malleable iron	½, ¾ or 1	–

* For unarmoured copper wires #6, #4 AWG. ** For copper and aluminum conductors; for #14 through #2 AWG unarmoured copper wires for corrosive and outdoor use. UL approved for direct burial.

• #8 through #4 AWG. Not CSA certified.

Ground clamps for K&L grade copper tubing only




	Cat. no.	Ground wire size (AWG)	Water pipe, copper tubing size (in.)
	3844*	#8–#4	½–1
	3888**	#8–#4	½–1, also rebar 4–10

* With steel screws. ** UL approved for direct burial. Silicon bronze screws.

EZGround grounding systems


Galvanized grounding plates

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

	Cat. no.	Description	Wire range (AWG)	Std. pkg.
	1016TB	Galvanized grounding plate	8 sol. to 4/0 str.	1
	1016BTB	Galvanized grounding plate (complete with JAB34C connector)	8 sol. to 4/0 str.	1
	1016TB-NG*	Grounding plate (not galvanized)	8 sol. to 4/0 str.	1
	1016BTB-NG*	Grounding plate (not galvanized) (complete with JAB34C connector)	8 sol. to 4/0 str.	1

* CSA not applicable.

Ground electrode boxes

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

14 gauge steel, 10 in. diameter, 12 in. depth.

Knurling dies for 14- and 15-ton tools

	Cat. no.	Description
240-31565-94	15508	For 5/8 in. and 3/4 in. ground rods



Hand knurling tool for all ground rods

Used to knurl ground rods in order to increase the pullout value of the compression connection by as much as 20%.

EZGround grounding systems

Ground rods

Galvanized ground rods

- Made of high-strength quality cold drawn steel, (1035) hot dip galvanized
- Meets ANSI C135.30-1979 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)	Std. pkg.	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	⅝	8	15.8	2.4	4	5	800	363
GR6250 (0.543 – 0.555)	⅝	10	15.8	3.0	4	5	1,000	454
GR6260 (0.625 – 0.640)	⅝	10	15.8	3.0	4	5	1,000	454
GR6250B* (0.618 – 0.623)	⅝	10	15.8	3.0	4	5	1,000	454
GR7506	¾	6	15.8	1.8	4	5	700	318
GR7508	¾	8	19.0	2.4	4	5	1,200	545
GR7510	¾	10	19.0	3.0	4	5	1,500	681

* B suffix denotes black iron bare steel ground rod (CSA not applicable). CSA lists rods ½ in. and larger, 10 ft. and longer.

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)	Std. pkg.	Weight per 100	
	in.	ft.	mm	m			lb	kg
5005	½	5	12.7	1.8	5	10	305	138
5006	½	6	15.8	1.8	5	5	370	168
5008	½	8	15.8	2.4	5	5	545	247
5010	½	10	15.8	3.0	5	5	611	277
6256	⅝	6	15.8	3.0	5	5	508	230
6258*	⅝	8	15.8	3.0	10	5	678	308
6260*	⅝	10	15.8	1.8	10	5	847	384
7508*	¾	8	19.0	2.4	10	5	992	450
7510*	¾	10	19.0	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 po CSA lists rods ½ po and larger, 10 ft. and longer.

EZGround grounding systems

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 (in.-UNS)	Std. pkg.	Weight per 100	
	in.	ft.	mm	m				lb	kg
5006LS	½	6	12.7	1.8	10	¾-12	5	410	189
5008LS	½	6	15.8	1.8	10	¾-12	5	546	248
5010LS	½	8	15.8	2.4	10	¾-12	5	682	309
6256S	⅝	6	15.8	3.0	5	⅝-11	5	481	230
6258S	⅝	8	15.8	3.0	10	⅝-11	5	670	308
6260S	⅝	10	15.8	3.0	10	⅝-11	5	837	384
7506S	¾	6	15.8	1.8	5	¾-10	5	774	160
7508S	¾	8	19.0	2.4	10	¾-10	5	992	450
7510S	¾	10	19.0	3.0	10	¾-10	5	1,040	562
1010S	1	10	25.4	3.0	10	8-1	1	2,248	1,020

CSA 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 diameter (in.)	Thread size (in.-UNS)	Std. pkg.	Weight per 100 (lb)
50LC	½	¾-12	25	17
60C	⅝	⅝-11	25	25
70C	¾	¾-10	25	38
80C	1	1-8	10	75

EZGround grounding systems

Ground rods

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




	Cat. no.	Rod diameter (in.)	Thread size (in.-UNS)	Std. pkg.	Weight per 100 (lb)
	50LDS*	1/2	9/16-12	10	16
	60DS*+	5/8	5/8-11	25	23
	70DS*	3/4	3/4-10	5	35
	80DS	1	1-8	10	75

* UL Listed
+CSA Certified

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, silicone 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

	Dimensions (in.)					
	Cat. no.	Size (in.)	Length	Diameter	Std. pkg. Weight per 100 (lb)	
	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 Listed

EZGround grounding systems


Clamps

Type JAB — ground rod clamps

- Cast of high-strength corrosion-resistant copper alloy
- Both hex head and socket set screws available

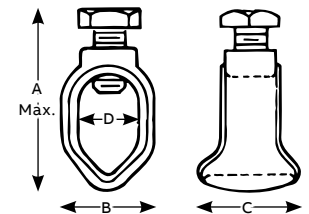
- Long bearing surface of clamp on ground wire secures ground connection
- UL listed for direct burial



	Cat. no.		Nominal rod dia.		Wire range				Dimensions (in.)						
	Socket set screw	Hex head bolt	(in.)	(mm)	max.	min.	max. (mm²)	min. (mm²)	A (max.) socket screw	A (max.) hex bolt	Screw thread size UNC-2A	B	C	D	
	JAB12*	JAB12H	½	12.7	2 str.	10 sol.	33.6	5.2	1 ¹⁹ / ₃₂	2 ³ / ₃₂	7/16-14	27/32	7/8	19/32	
	JAB58	JAB58H	5/8	15.8	1/0 str.	8 sol.	53.4	8.3	1 ²⁷ / ₃₂	2 ¹³ / ₆₄	7/16-14	29/32	1	11/16	
	JAB34	JAB34H	¾	19.0	1/0 str.	8 sol.	53.4	8.3	2	2 ¹¹ / ₃₂	7/16-14	11/16	1	51/64	
	–	JAB34C	¾ + 5/8	15.8 to 19.0	3/0 str.	8 sol.	95.0	8.3	–	2 ¹¹ / ₃₂	7/16-14	1 1/8	1 1/32	13/16	
	JAB1	JAB1H	1	25.0	4/0 str.	8 sol.	107.1	8.3	2 ¼	3	7/16-14	1 11/32	1 1/16	1	



Diagram



* CSA not applicable. Add suffix P to No de cat. for tin-plated clamp

Type G — budget line ground clamps

- A dependable ground connection offered at a substantial saving
- Cast of high-strength corrosion-resistant copper alloy

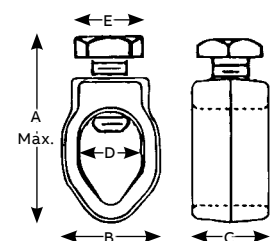
- Hex head bolts
- Simplified compact design will make a lasting, trouble-free connection
- Listed for direct burial



Cat. no.	Nominal rod dia.		Wire range				Dimensions (in.)					
	(in.)	(mm)	max.	min.	max. (mm²)	min. (mm²)	A (max.) Bolt	Screw thread size UNC-2A	B	C	D	E
G3*	5/8	9.5	4 str.	10 sol.	21.1	5.2	1 3/8	5/16-18	11/16	1/2	27/64	3/8
G4	1/2	12.7	2 str.	10 sol.	33.6	5.2	–	3/8-16	27/32	3/8	37/64	1/2
G5	5/8	15.8	2 str.	10 sol.	33.6	5.2	–	3/8-16	29/32	3/8	43/64	1/2
G6	¾	19.0	2 str.	10 sol.	33.6	5.2	–	3/8-16	1 1/16	3/8	13/16	1/2



Diagram



* Not UL Listed and CSA not applicable. Add suffix P to cat. no. for tin-plated clamp