

# Specification Grade Insulated Grounding Bushings

For Threaded Rigid Conduit & IMC

## Type BLG & Type HBLG

### Copper Plus™ Lay-In-Lug™

#### Use:

To provide a compact means of grounding conduit through an Insulated Bushing.  
To protect insulated conductors from abrasion during pulling and mechanical vibration.  
To provide voltage gradient between line conductors and ground at point of electrical and mechanical stress on conductor insulation.

#### Features:

- Tin plated copper saddle for use with copper or aluminum conductors from #8 to 4/0.
- Copper conductor only for #14-4 lug and 250-500 lug.
- Allows easy insertion of grounding conductor for thru or end connection.
- Low grounding connector profile.
- Spring action design maintains positive firm contact on grounding conductor.
- Set screw provides fixed alignment and positive ground continuity.
- Phenolic insulation, with 150°C U.L. rating, molded on over metallic conduit stop will not shatter or shrink at sub-zero temperatures.
- Lugs not sold separately.

#### Material/Finish:

Type BLG: ½" & ¾" - Steel, Zinc Plated with Stainless Steel screws.

1" to 6" - Malleable Iron, Zinc Plated with Stainless Steel screws.

Type HBLG: ½" & ¾" - Steel, Mechanical/Hot Dip Galvanized with Stainless Steel screws.

1" to 6" - Malleable Iron, Mechanical/Hot Dip Galvanized with Stainless Steel screws.

#### Options:

Type BLG grounding bushings are also available for use on threadless conduit in Malleable Iron/Hot Dip Mechanically Galvanized - Specify Type HSBLG. Contact your local representative for pricing and availability.

#### Third Party Certification:

 UL Listed E-24264

 CSA Certified: 015978

#### Applicable Third Party Standards:

UL Standard: 514B, 467, 468

CSA Standard: C22.2 No. 41

Fed. Spec: W-F-408E

NEMA: FB-1

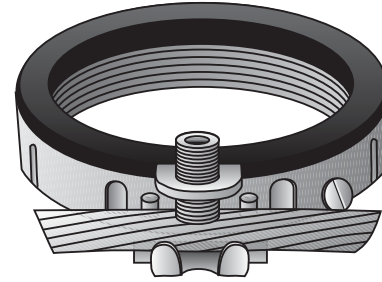
#### Suggested Specifications:

O-Z/Gedney Type BLG insulated Lay-In-Lug grounding bushings with tin-plated copper grounding path shall be used on all feeder raceways and bushings shall have integrally molded noncombustible phenolic insulated surfaces rated 150°C.

#### Notes:

1 A Mechanically Galvanized finish provides a plating thickness equivalent to Hot-Dip process, meeting ASTM A-153 performance criteria. Unlike the Hot-Dip process, mechanical galvanizing provides plating on all machined and/or threaded surfaces.

2 Caps to prevent entry of foreign matter into conduit prior to pulling cables are available. See Type PPC on Page DB1.



Type BLG  
Threaded

PATENTED

Trade Size (inches)	Zinc Plated Catalog Number	Hot Dip/ Mechanical Galvanized Catalog Number	Grounding Wire Size*		Dimensions in Inches		
					Max. Dia. without lug	Max. Ht.	Turning Radius with lug
½	BLG-0504	HBLG-0504	14	4	1 ⅛	½	1 ⅛
½	BLG-0522	HBLG--0522	8	2/0	1 ⅛	½	1 ⅛
¾	BLG-0704	HBLG-0704	14	4	1 ⅜	⅝	1 ¼
¾	BLG-0722	HBLG-0722	8	2/0	1 ⅜	⅝	1 ½
1	BLG-1104	HBLG-1104	14	4	1 ⅝	¾	1 ⅜
1	BLG-1122	HBLG-1122	8	2/0	1 ⅝	¾	1 ⅝
1 ¼	BLG-1204	HBLG-1204	14	4	2	¾	1 ½
1 ¼	BLG-1222	HBLG-1222	8	2/0	2	¾	1 ¾
1 ½	BLG-1504	HBLG-1504	14	4	2 ¼	¾	1 ⅝
1 ½	BLG-1522	HBLG-1522	8	2/0	2 ¼	¾	1 ⅝
2	BLG-2004	HBLG-2004	14	4	2 ¾	⅞	2
2	BLG-2022	HBLG-2022	8	2/0	2 ¾	⅞	2 ¼
2 ½	BLG-2604	HBLG-2604	14	4	3 ¼	1	2 ⅝
2 ½	BLG-2622	HBLG-2622	8	2/0	3 ¼	1	2 ⅝
2 ½	BLG-2624	HBLG-2624	6	4/0	3 ¼	1	2 ¾
2 ½	BLG-2650	HBLG-2650	250	500	3 ¼	1	3 ⅞
3	BLG-3104	HBLG-3104	14	4	4	1	2 ½
3	BLG-3122	HBLG-3122	8	2/0	4	1	2 ¾
3	BLG-3124	HBLG-3124	6	4/0	4	1	3 ⅝
3	BLG-3150	HBLG-3150	250	500	4	1	3 ¾
3 ½	BLG-3604	HBLG-3604	14	4	4 ½	1	2 ¾
3 ½	BLG-3622	HBLG-3622	8	2/0	4 ½	1	3
3 ½	BLG-3624	HBLG-3624	6	4/0	4 ½	1	3 ⅝
3 ½	BLG-3650	HBLG-3650	250	500	4 ½	1	4
4	BLG-4104	HBLG-4104	14	4	5	1 ⅝	3
4	BLG-4122	HBLG-4122	8	2/0	5	1 ⅝	3 ⅝
4	BLG-4124	HBLG-4124	6	4/0	5	1 ⅝	3 ⅝
4	BLG-4150	HBLG-4150	250	500	5	1 ⅝	4 ¼
5	BLG-5104	HBLG-5104	14	4	6 ¼	1 ¼	3 ¾
5	BLG-5122	HBLG-5122	8	2/0	6 ¼	1 ¼	4
5	BLG-5124	HBLG-5124	6	4/0	6 ¼	1 ¼	4 ¼
5	BLG-5150	HBLG-5150	250	500	6 ¼	1 ¼	5
6	BLG-6104	HBLG-6104	14	4	7 ⅝	1 ⅝	4 ¼
6	BLG-6122	HBLG-6122	8	2/0	7 ⅝	1 ⅝	4 ½
6	BLG-6124	HBLG-6124	6	4/0	7 ⅝	1 ⅝	4 ⅝
6	BLG-6150	HBLG-6150	250	500	7 ⅝	1 ⅝	5 ⅞

\*Solid or stranded for No. 4 awg or smaller; stranded for No. 2 or larger. Copper conductor only for #14-4 lug and 250-500 lug.