## DA2

### **O-Z Specification Bushings**



# **Specification Grade Insulated Grounding Bushings**

For Threaded Rigid Conduit & IMC

#### Type BLG & Type HBLG

Copper Plus<sup>™</sup> Lay-In-Lug<sup>™</sup>

#### 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:

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





Threaded

Trade Size (inches)	Zinc Plated Catalog Number	Hot Dip/ Mechanical Galvanized Catalog Number	Groundi Min.	ng Wire Size* Max.	Dimens Max. Dia. without lug	ions in Ind Max. Ht.	ches Turning Radius with lug
1/2	BLG-0504	HBLG-0504	14	4	1½	1/2	1½
1/2	BLG-0522	HBLG0522	8	2/0	1½	1/2	1½
3/4	BLG-0704	HBLG-0704	14	4	1¾	5/8	1¼
3/4	BLG-0722	HBLG-0722	8	2/0	1¾	5/8	1½
1 1 1¼ 1¼	BLG-1104 BLG-1122 BLG-1204 BLG-1222	HBLG-1104 HBLG-1122 HBLG-1204 HBLG-1222	14 8 14 8	4 2/0 4 2/0	1% 1% 2 2	3/4 3/4 3/4 3/4 3/4	1¾ 1⅛ 1½ 1¾
1½	BLG-1504	HBLG-1504	14	4	2¼	3/4	1%
1½	BLG-1522	HBLG-1522	8	2/0	2¼	3/4	1%
2	BLG-2004	HBLG-2004	14	4	2¾	7/8	2
2	BLG-2022	HBLG-2022	8	2/0	2¾	7/8	2¼
2½ 2½ 2½ 2½ 2½	BLG-2604 BLG-2622 BLG-2624 BLG-2650	HBLG-2604 HBLG-2622 HBLG-2624 HBLG-2650	14 8 6 250	4 2/0 4/0 500	3¼ 3¼ 3¼ 3¼	1 1 1 1	21/8 21/2 23/4 37/16
3 3 3 3	BLG-3104 BLG-3122 BLG-3124 BLG-3150	HBLG-3104 HBLG-3122 HBLG-3124 HBLG-3150	14 8 6 250	4 2/0 4/0 500	4 4 4	1 1 1 1	2½ 2¾ 3⅛ 3¾
3½ 3½ 3½ 3½ 3½	BLG-3604 BLG-3622 BLG-3624 BLG-3650	HBLG-3604 HBLG-3622 HBLG-3624 HBLG-3650	14 8 6 250	4 2/0 4/0 500	4½ 4½ 4½ 4½	1 1 1 1	2¾ 3 3¾ 4
4	BLG-4104	HBLG-4104	14	4	5	1½	3
4	BLG-4122	HBLG-4122	8	2/0	5	1½	35%
4	BLG-4124	HBLG-4124	6	4/0	5	1½	35%
4	BLG-4150	HBLG-4150	250	500	5	1½	41⁄4
5	BLG-5104	HBLG-5104	14	4	6¼	1¼	3¾
5	BLG-5122	HBLG-5122	8	2/0	6¼	1¼	4
5	BLG-5124	HBLG-5124	6	4/0	6¼	1¼	4¼
5	BLG-5150	HBLG-5150	250	500	6¼	1¼	5
6	BLG-6104	HBLG-6104	14	4	7⅔	1%	4¼
6	BLG-6122	HBLG-6122	8	2/0	7⅔	1%	4½
6	BLG-6124	HBLG-6124	6	4/0	7⅔	1%	4%
6	BLG-6150	HBLG-6150	250	500	7⅔	1%	5%

\*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.

