

## Grounding Insulated Bushings w/ Lay In Grounding Lug Product Overview (1)

Product Series: GB Grounding Bushings Threaded 1/2" to 4" Trade Sizes  
Furnished with Factory Installed AL Lay-In Grounding Lug\*  
Material: Solid Alloy Steel Construction (AL Option)  
Zinc Plated with Chromate Finish (Galvanizing Option)  
Made in the USA  
Twice the Strength, Durability and Suitability than Cast or Malleable Iron

Fully Precision Machined Surface  
with Cut Machined Threads  
Will Not Flatten or Cross  
Smooth Burrless Surface for  
Fast & Safe Wire Pulls

Set Screw for  
Bonding to Conduit \*\*



Alloy Steel  
Zinc Plated with  
Chromate Finish (Galvanized Option)  
Full Hex Surfaces Allows  
EZ Tightening to  
Full Torque Values

\*UL Listed, AL Lay-In Grounding Lug  
Lug Options:  
Wire Capacity Range #14 to 250mcm  
Available in Copper or Tin Plated Copper

Factory Installed CAPTIVE Insulator  
Exceeds UL Requirements for Push Out  
Low Surface Friction - Wires Can Be  
Pulled Fast With Virtually No Abrasion  
On Cable Insulation

Insulated Throat Bushing is UV Stabilized, 105°C Rated  
UL V-0 Self Extinguishing  
In Normal Use, Will not Chip, Crack, Swell or Shrink  
Excellent Wear & Friction Properties  
1/2" to 2" PA (Polyamide) UL Listed  
2 1/2" to 4" PEI (Polyetherimide) UL Listed



Set Screw for  
Bonding to Conduit\*\*

Set Screws & Attachment Screw  
Machined Zinc Plated Steel Screws  
Option: T304- Stainless Steel Screws

1/2" - 2" Furnished with 1 set screw  
2 1/2" - 4" Furnished with 2 set screws  
On Threaded Bushings Set Screws Provide  
Redundant Locking

\*\* 3 Machine Cut Fully Threaded Hole  
120° Apart Provides EZ Location and  
Positioning of Ground Lug, Eliminates  
Twisting G-Wire and Fast Inspections

Attachment Screw for Mounting the Lug  
to the Bushing - Move and Reposition to  
Accomodate EZ Wiring of the Lug

# Ground Bushings Steel Thr'd w/Lug

**Size Range: 1/2" - 4"**

**Product Series: GB Grounding Bushings Threaded**

**Furnished with Factory Installed AL Lay In Grounding Lug\***

**Material: Solid Alloy Steel Construction**

**Zinc Plated with Chromate Finish\*\***

**Made in the USA**

Solid Steel Construction with Factory Installed Insulator

Precision Fully Machined Body with Cut Threads

Flat Hex Surface for Full Torque Values

105° C Rated, UV Stabilized Insulator Throat Bushing

Twice the Strength and Durability of Die Cast & Malleable Iron

Low Surface Friction - Wires Can Be  
Pulled Fast With Virtually No Abrasion On  
Cable Insulation

## Industrial SPEC-grade

For Use On Threaded Rigid/imc Conduit to Provide a  
Means of Grounding Threaded Conduit Through an  
Insulated Bushing.

### EZ Wiring

3 Thr'd Machined  
Holes to Accommodate  
Lug Orientation



Threaded

Steel Set Screws in  
Machined Threaded Holes  
Vibration Resistant

EZ Installation & Wiring Move Lug to  
Avoid Interference and Speed Wiring

Wire Tightening Engagement Screw

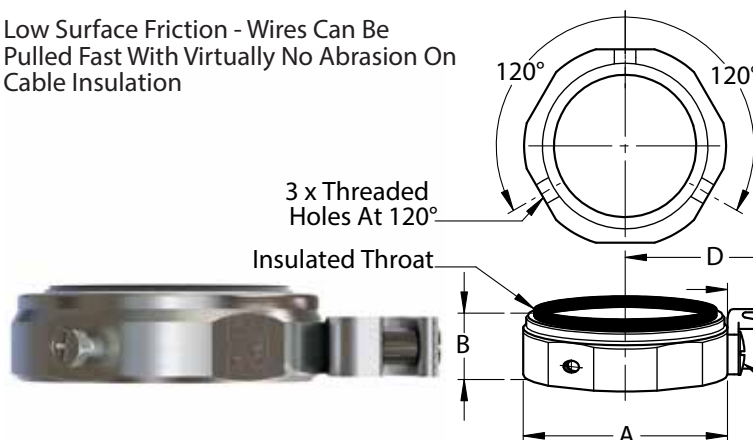
Set Screws Steel Zinc Plated: *Stainless Steel Option Available*

1- Attachment Screw for Mounting the Lug

Set Screws for Bonding to Conduit

1/2" - 2" furnished with 1 set screw

2 1/2" - 4" furnished with 2 set screws



| Cat # (1)    | Trade Size | Ø A      | B       | C        | D        | Lug Wire Range |            | Wt. Per/C |
|--------------|------------|----------|---------|----------|----------|----------------|------------|-----------|
|              |            |          |         |          |          | Min Solid      | Max Strand |           |
| GB50BGL      | 1/2"       | 1-1/16"  | 5/8"    | 3/4"     | 1-5/16"  | #14            | #4         | 8         |
| GB75BGL      | 3/4"       | 1-1/4"   | 5/8"    | 3/4"     | 1-3/8"   | #14            | #4         | 8         |
| GB75BGL-0    | 3/4"       | 1-1/4"   | 5/8"    | 1-1/8"   | 1-11/16" | #8             | #1/0       | 17        |
| GB100BGL     | 1"         | 1-1/2"   | 3/4"    | 3/4"     | 1-1/2"   | #14            | #4         | 11        |
| GB100BGL-0   | 1"         | 1-1/2"   | 3/4"    | 1-1/8"   | 1-7/8"   | #8             | #1/0       | 20        |
| GB125BGL     | 1-1/4"     | 1-7/8"   | 3/4"    | 3/4"     | 1-11/16" | #14            | #4         | 17        |
| GB125BGL-0   | 1-1/4"     | 1-7/8"   | 3/4"    | 1-1/8"   | 2-1/16"  | #8             | #1/0       | 26        |
| GB150BGL     | 1-1/2"     | 2-1/16"  | 3/4"    | 3/4"     | 1-13/16" | #14            | #4         | 21        |
| GB150BGL-0   | 1-1/2"     | 2-1/16"  | 3/4"    | 1-1/8"   | 2-1/8"   | #8             | #1/0       | 30        |
| GB200BGL     | 2"         | 2-11/16" | 3/4"    | 3/4"     | 2-1/6"   | #14            | #4         | 28        |
| GB200BGL-0   | 2"         | 2-11/16" | 3/4"    | 1-1/8"   | 2-3/8"   | #8             | #1/0       | 36        |
| GB250BGL     | 2-1/2"     | 3-7/16"  | 1-1/16" | 1-3/16"  | 2-13/16" | #14            | #1/0       | 77        |
| GB250BGL-250 | 2-1/2"     | 3-7/16"  | 1-1/16" | 1-11/16" | 3-3/8"   | #6             | 250 MCM    | 90        |
| GB300BGL     | 3"         | 4"       | 1-1/16" | 1-3/16"  | 3-1/8"   | #14            | #1/0       | 89        |
| GB300BGL-250 | 3"         | 4"       | 1-1/16" | 1-11/16" | 3-11/16" | #6             | 250 MCM    | 105       |
| GB350BGL     | 3-1/2"     | 4-1/2"   | 1-1/16" | 1-3/16"  | 3-3/8"   | #14            | #1/0       | 110       |
| GB350BGL-250 | 3-1/2"     | 4-1/2"   | 1-1/16" | 1-11/16" | 3-15/16" | #6             | 250 MCM    | 124       |
| GB400BGL     | 4"         | 5-1/8"   | 1-1/16" | 1-3/16"  | 3-15/16" | #14            | #1/0       | 121       |
| GB400BGL-250 | 4"         | 5-1/8"   | 1-1/16" | 1-11/16" | 4-3/16"  | #6             | 250 MCM    | 135       |

### Compliances:

Certified Made in the USA

UL 514B, 467, NEMA FB1

Insulated Throat Bushing is UV Stabilized & 150° C Rated

In Normal Use, Will not Chip, Crack, Swell or Shrink

Excellent Wear & Friction Properties

1/2" to 2" PA (Polyamide) UL Listed

2 1/2" to 4" PEI (Polyetherimide) UL Listed

Federal Standard A-A-50553

CSA Standard: C22.2 No. 18F

RoHS Compliant

REACH Compliant

CA Prop 65 Compliant

UNSPSC 39121312



### (1) Available Options:

Aluminum Construction for Aluminum Conduit - See Catalog Page GBAL

### \* Grounding Lug Options:

Copper Lug Add Suffix CU to Cat #

Consult Factory for Tin Plated Aluminum Lugs

Other Wire Lug Sizes Consult Factory

### Set Screws & Attachment Screw Option:

Stainless Steel Set Screws Consult Factory

### \*\* Galvanized Plating Option:

For this Option, Add Suffix "G" to Above Cat Number