

# Set-Screw Insulated Grounding Bushing

## For Threadless (GIB-LS) and Threaded (GIB-L) RMC IMC Conduit

GIB-LS-AC and IBC-LS-AC Series - with Aluminum Lay-In-Lug for Copper or Aluminum Conductors.

NEC/CEC:  
Listed for Ordinary Locations

### Applications

- GIB-LS Series insulated bushings fasten and ground threadless rigid metal conduit to an enclosure.
- GIB-L Series insulated bushings fasten and ground threaded rigid metal conduit to an enclosure.
- Can be used with a locknut to terminate conduit at an enclosure.
- Lug used to connect bonding jumper to a neutral bus bar.

### Features

- Temperature rating +150 °C (+302 °F).
- Insulating liner material is self-extinguishing.
- The plastic liner is tough. It won't chip, crack, swell or shrink. It resists corrosion, chemicals and temperature extremes. Surface friction is so low that wires can be pulled with virtually no abrasion on the cable insulation.

- GIB-LS Series is provided with a set-screw allowing fitting to lock bushing in any desired position.
- UL listed for use with copper or aluminum grounding conductors.
- Lugs not sold separately.

### Material/Finish

- Body: malleable iron/zinc plated
- Lug: aluminum/tin plated or bronze/bright dip
- Clamping and set screw: steel/zinc plated

### NEC/CEC Certifications and Compliances

- UL Standard: 467, 514B
- UL Listed: E24264
- CSA Standard: C22.2 No. 41
- NEMA: FB-1

| Trade Size (Inches) | Wire Size |         | Dimensions in Millimeters (Inches) |                  |                        | Appleton™ Catalog Number Aluminum Lug | O-Z/Gedney™ Catalog Number Aluminum Lug |
|---------------------|-----------|---------|------------------------------------|------------------|------------------------|---------------------------------------|-----------------------------------------|
|                     | Min.      | Max.    | A Bushing Diameter                 | B Bushing Height | C Turning Radius w/Lug |                                       |                                         |
| 1/2                 | 14 SOL    | 4 STR   | 30.2 (1.19)                        | 11.2 (0.44)      | 30.2 (1.19)            | GIB-50LS-4AC                          | IBC-50LS-4AC                            |
| 3/4                 | 14 SOL    | 4 STR   | 36.6 (1.44)                        | 12.7 (0.50)      | 33.3 (1.31)            | GIB-75LS-4AC                          | IBC-75LS-4AC                            |
| 1                   | 14 SOL    | 4 STR   | 44.5 (1.75)                        | 14.2 (0.56)      | 36.6 (1.44)            | GIB-100LS-4AC                         | IBC-100LS-4AC                           |
| 1                   | 14 SOL    | 2/0 STR | 44.5 (1.75)                        | 14.2 (0.56)      | 42.9 (1.69)            | GIB-100LS-20AC                        | IBC-100LS-20AC                          |
| 1-1/4               | 14 SOL    | 4 STR   | 54.1 (2.13)                        | 16.0 (0.63)      | 41.4 (1.63)            | GIB-125LS-4AC                         | IBC-125LS-4AC                           |
| 1-1/4               | 14 SOL    | 2/0 STR | 54.1 (2.13)                        | 16.0 (0.63)      | 35.8 (1.41)            | GIB-125LS-20AC                        | IBC-125LS-20AC                          |
| 1-1/2               | 14 SOL    | 4 STR   | 58.7 (2.31)                        | 17.5 (0.69)      | 44.5 (1.75)            | GIB-150LS-4AC                         | IBC-150LS-4AC                           |
| 1-1/2               | 14 SOL    | 2/0 STR | 58.7 (2.31)                        | 17.5 (0.69)      | 50.8 (2.00)            | GIB-150LS-20AC                        | IBC-150LS-20AC                          |
| 2                   | 14 SOL    | 4 STR   | 71.4 (2.81)                        | 19.1 (0.75)      | 50.8 (2.00)            | GIB-200LS-4AC                         | IBC-200LS-4AC                           |
| 2                   | 14 SOL    | 2/0 STR | 71.4 (2.81)                        | 19.1 (0.75)      | 57.2 (2.25)            | GIB-200LS-20AC                        | IBC-200LS-20AC                          |
| 2-1/2               | 14 SOL    | 4 STR   | 85.9 (3.38)                        | 22.4 (0.88)      | 57.2 (2.25)            | GIB-250LS-4AC                         | IBC-250LS-4AC                           |
| 2-1/2               | 14 SOL    | 2/0 STR | 85.9 (3.38)                        | 22.4 (0.88)      | 63.5 (2.50)            | GIB-250LS-20AC                        | IBC-250LS-20AC                          |
| 2-1/2               | 6 STR     | 250 STR | 85.9 (3.38)                        | 22.4 (0.88)      | 62.7 (2.47)            | GIB-250LS-25AC                        | IBC-250LS-25AC                          |
| 3                   | 14 SOL    | 4 STR   | 103.1 (4.06)                       | 33.3 (1.31)      | 66.8 (2.63)            | GIB-300LS-4AC                         | IBC-300LS-4AC                           |
| 3                   | 14 SOL    | 2/0 STR | 103.1 (4.06)                       | 33.3 (1.31)      | 71.4 (2.81)            | GIB-300LS-20AC                        | IBC-300LS-20AC                          |
| 3                   | 6 STR     | 250 STR | 103.1 (4.06)                       | 33.3 (1.31)      | 84.1 (3.31)            | GIB-300LS-25AC                        | IBC-300LS-25AC                          |

