



# 166-DCG Series Threaded Grounding and Bonding Hub Zinc Die Cast, w/Aluminum Lay-in Lug



## Application

Grounding Hubs connect Rigid/IMC conduit to an enclosure, offering Supply-Side Equipment Bonding and grounding options. The combination of an insulated, female-tapered threaded hub and grounding locknut provides a reliable ground fault path for service entrance equipment, eliminating the need to install an additional grounding bushing.

**NOTE: Hubs should NOT to be used with straight thread (NPSM) connectors. However, they can be used with connectors which have NPT threads.**

Bridgeport's Grounding Hubs meet the requirements of NEC Article 250.92 for Bonding of Equipment for Services and NEC 250.97 for circuits rated over 250V.

## Installation

1. Rigid/IMC threads must be prepared per NEC workmanship standards. Apply conductive, anti-corrosion compound to conduit threads making sure to cover all steel threads missing corrosion protection.
2. Prepare enclosure knockout. Remove enclosure paint around knockout opening on the inside of the enclosure.
3. Unscrew hub locknut and put aside. Place hub into knockout with rubber sealing washer on top of enclosure.
4. While holding hub and conduit with a pair of Channel-Lock™ pliers or similar tools, tighten hub onto the Rigid/IMC Conduit (3-5 turns). **NOTE: It is not recommended that the hub be tightened with a pipe wrench as it may deform the hub body.**
5. Remove lug from locknut and thread locknut onto hub with locknut teeth facing enclosure. **Then, using pliers, tighten locknut into hub** (Hand-Tight +1/4 turn). This will ensure that the locknut teeth scrape away any remaining paint or oxidation on the enclosure surface for electrical bonding.
6. Reattach lug onto one of the accessible, three pads on the locknut. Lug attachment screw should be tightened to 35 in-lb.
7. Insert the appropriate sized grounding or bonding conductor into the lug and tighten the set screw. UL Recommended lug screw torque should be applied (see table below).

LUG CLAMPING SCREW	
CONDUCTOR SIZE, AL/CU AWG or kcmil	TIGHTENING TORQUE, lbf-in
14 - 10	35
8	40
6 - 4	45
2 - 250	50

