



Thru-Bolt Adapter (32DR)

Installation Instructions

Supplied Hardware

- (1) 11D Universal Hub Aluminum Casting
 - (2) Hole Template (sticker)
 - (1) 1" x 3/4" Bushing
 - (1) 1-1/4" x 2" PVC Wireway
 - (1) 1-1/4" O-Ring Seal
 - (2) 3/8" Threaded Rod
 - (2) 3/8" Acorn Nut
 - (2) 3/8" Nut
 - (4) 3/8" Flat Washer
 - (4) 3/8" Spring Lock Washer
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Installation

- **Wear approved and specified protective gear during the installation process.**
- **Apply anti-seize lubricant on all threaded surfaces during the installation process.**
- **Setting the Hardened Steel Captive Fasteners requires a compatible setting tool.**
- **If used for Back-To-Back Signal Mounting: Substitute acorn nuts for standard galvanized nuts.**
- **USE TORQUE WRENCH FOR INSTALLATION PROCESS.**

- **Drill holes into the pole**
 - Remove backing on the Hole Templates and stick the templates on mounting areas. Each template should be on opposite sides of the pole.
 - With a sharp 3/8" drill bit, make two holes into each surface using the designated dots on the template as a guide.
 - Insert the threaded rods through the pole.
 - Install one flat washer, one spring lock washer, and one acorn nut on each threaded rod on the end that will not hold the hub; bottom out the acorn nut.

- **Install the Bushing**
 - With a sharp 1" drill bit, make one hole into the surface using the designated dot on the template as a guide.
 - Press the bushing into the hole.

- **Fasten the Hub Casting to the Mounting Surface using the remaining hardware with an assembly torque of twenty-one foot-pounds (21 ft-lbs)**

- **Field cut Threaded Rod to proper length with a grinding wheel on the Hub Casting side.**

- **Install the PVC Wireway**
 - Slip the 1-1/4" O-Ring over the PVC Wireway.
 - Press the PVC Wireway into the hub opening making sure to have the O-Ring fit completely into the casting to form a seal.