
Supplied Hardware

- **Base (Parts Kit: PB14)**
 - (1) Base Casting
 - (1) Door Casting
 - (1) 1/4" x 1/2" Hex Head Bolt
 - (1) 1/4" x 1" Hex Head Bolt
 - (1) 14-4 Copper Ground Lug
 - (1) 1/4" Internal Lock Washer
 - (3) 3/8" x 3/4" Set Screw
- **Anchor Bolt Kit (Parts Kit: 25L34-18PK)**
 - (4) 3/4" x 18" Galvanized L-Bolt
 - (4) 3/4" Galvanized Hex Nut
 - (4) 3/4" Galvanized Flat Washer
- **Collar (Parts Kit: 32CLRPK)***
 - (3) Collar Casting (1/3 pieces)
 - (6) 5/16" x 1-1/4" Bolt
 - (1) 1/4" x 7/8" Spring Pin
- **Top Cap (Parts Kit: 4840TCSSPK)**
 - (1) Top Cap Casting
 - (3) 1/4" x 3/8" Set Screws
 - (1) 1/2" Insulating Sleeve
 - (2) IN1/420 1/4" Insert Nuts
- **Pipe**

*Use if Pole Collar is supplied/specified in plans.

Installation Notes

- Wear approved and specified protective gear during the installation process.
- Apply anti-seize lubricant on all threaded surfaces during the installation process.
- Use appropriate setting tool for insert nut installation.
- Feed wire and connect mounted devices as needed throughout the installation process.
- **TORQUE WRENCH VALUES:**
 - 1/4" Bolt: Seven ft-lbs. (7 ft-lbs.)
 - 1/4" Set Screw Six ft-lbs. (6 ft-lbs.)
 - 5/16" Bolt: Eleven ft-lbs. (11 ft-lbs.)
 - 3/8" Set Screw Nineteen ft-lbs. (19 ft-lbs.)
 - 3/4" Anchor Bolt: Two Hundred ft-lbs. (200 ft-lbs.)

- Assembly Questions? Call 952-467-4402 or email freymfg@freymfgcorp.com



Insert Nut Install

Installation

- **Install Anchor Bolts into Concrete**

- Pour specified concrete foundation.
- Insert the "L" end of the anchor bolts into the wet concrete with three-inches (3") of threads protruding from surface. (if known additional shim leveling is required after curing, adjust thread height now).
- Let concrete cure ensuring the anchor bolts are in a twelve-inch (12") to fourteen-inch (14") bolt circle per project specifications.

- **Fasten Ground Lug inside Base Wall at threaded hole location with 1/4" x 1/2" Bolt**

- **Fasten Base to Anchors**

- Place the base casting over the anchors.
- Use a level and leveling shim(s), if needed, to plumb the base.
- Place one 3/4" Galvanized Flat Washer over each anchor bolt.
- Fasten with one 3/4" Galvanized Nut on each anchor bolt.

- **Secure Top Cap on Pipe**

- **Fasten Pipe on Base**

- Thread the pipe into the base. Ensure there is no wobble or movement between the pipe and base. *Do NOT use pipe threads for directional adjustment of signals.*
- Secure Pipe to Base with the 3/8" x 3/4" set screws at the top of the base and into pipe threads.
- If an APS/Button is specified on the pole, mount with the supplied insert nuts.

- **Install Collar (Skip this Step if Not Specified/Supplied)**

- Assemble and set the three castings at the top of the base and against the pipe.
- Fasten the pieces to each other with the bolts supplied.
- Using a 1/4" bit, drill into a dimple of a Collar Casting and into the Base Casting (DO NOT REAM).
- Tap Spring pin into hole until flush with outside of the Collar Casting.

- **Install Base Door on Base with:**

- 1/4" x 1" Hex Head Bolt
- 1/4" Internal Lock Washer