

# INSTALLATION GUIDE FOR COLLINEAR ANTENNAS F6, F8, AND F10 MODELS

## **WARNING:**

For your safety, do not install any antenna near power lines, and carefully follow all installation instructions. If the antenna falls toward or contacts any overhead wires, immediately let go and stay away. Call the utility company for assistance. Always use safety devices for tower climbing. Ensure that the tower structure is well grounded for lightning protection.

## **IMPORTANT - BEFORE ASSEMBLING AND MOUNTING:**

Carefully read these instructions and study the diagrams. Check to make sure you have all parts. The antenna and clamp kit are packaged as two separate items. Both clamps must be installed and properly spaced to prevent antenna rotation from wind load.

*NOTE: To prevent possible damage to the ferrule and radome, tighten all nuts only until the lock washers are flattened. Then add 1/2 turn to each.*

## **PARTS LIST**

- (1) Antenna assembly
- (1) Jumper RG-213 N-male to N-male 24"  
(provided only with N-terminated antennas)
- (1) ANTC482 clamp kit

### **Clamp kit Contents (figure 1):**

- (8) galvanized clamp plates
- (4) 1/2"-13 x 10" stainless steel threaded rods
- (16) 1/2" stainless steel hex nuts
- (16) 1/2" stainless steel split lock washers
- (1) Anti-seize compound

## **MOUNTING INSTRUCTIONS**

1. Apply anti-seize compound to threaded rod ends. Insert rods through dual clamps with hex nuts and lock washers in the middle of the clamps as shown in figure 2. Mount both clamps to the support structure with 2 single clamp plates, hex nuts, and lock washers. Arrange clamps so that 1"-2" of ferrule is exposed above and below the clamps. Be sure to allow sufficient thread length on the antenna side of the clamps.
2. Attach antenna clamp plate to the upper clamp set only, allowing maximum plate movement on the rods. Feed the antenna base ferrule down through the clamp until aligned with the upper attachment point. Partially tighten the hex nuts and straighten the antenna until clamped into a vertical position.
3. Attach and secure the lower antenna clamp with supplied hex nuts and lock washers, and tighten both clamps until the lock washers are flat plus 1/2 turn additional on each nut. (Figure 3).
4. The antenna input connector is a Type N or 7-16 DIN Female. A 24" N-male jumper is provided for antennas with N input. Connect RF feed cable terminated with Type N or 7-16 DIN as required to antenna input connector. Secure all cables with cable ties.
5. Be sure to properly seal the input connector with waterproof tape or other sealing material. See Telewave TWDS-0502 for a recommended method of connector sealing.

Figure 1:  
Clamp Set Contents

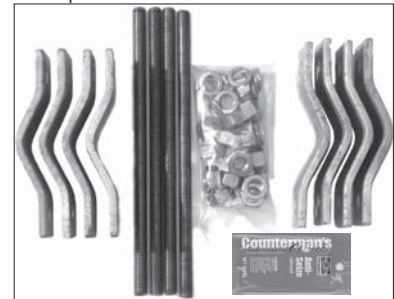


Figure 2:  
Clamp Preassembly

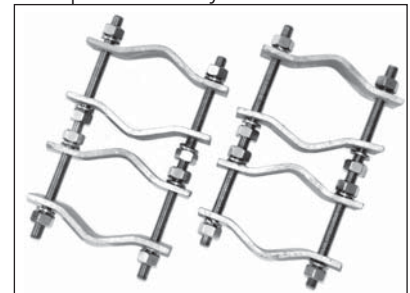


Figure 3: Assembly

