

# 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. Both clamps must be installed and properly spaced to prevent antenna rotation from wind load.

**NOTE:** The antenna and clamp kit are packaged as two separate items.

## **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

## **MOUNTING INSTRUCTIONS**

1. Thread bolts through dual clamps with hex nuts in the middle of the clamps as shown in figure 2. Allowing proper spacing, mount both clamps to the support structure with 2 single clamp plates, hex nuts, and lock washers. 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 bolts. Feed the antenna base ferrule down through the clamp until aligned with the upper attachment point. Tighten down 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 to provide reasonable pressure to the support structure and antenna base ferrule (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 "Connection Weatherproofing instructions" for a recommended method of connector sealing.

Figure 1:  
Clamp Set Contents

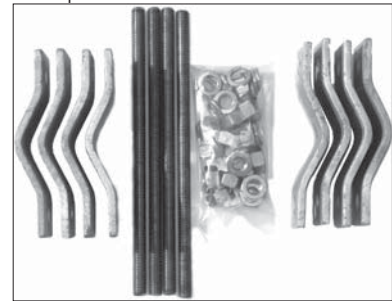


Figure 2:  
Clamp Preassembly

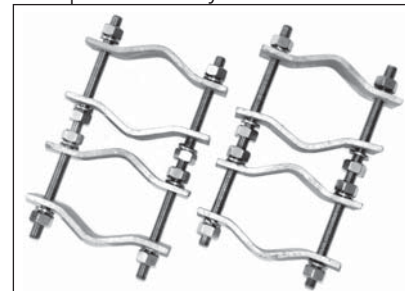


Figure 3: Assembly

