

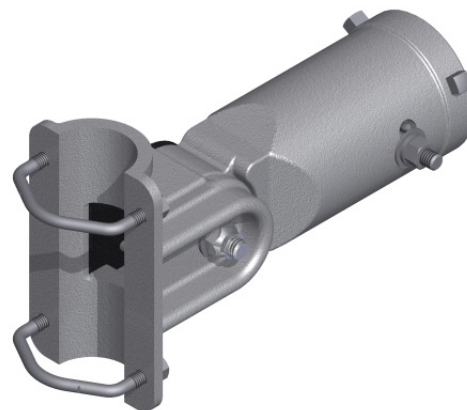
# INSTALLATION INSTRUCTIONS

## AB-3051 ATLAS CLAMP ASSY Tenon Slip Mount

### Tools Required:

1/2", 9/16", and 11/16" Sockets  
9/16" and 5/8" Open End Wrench,  
Torque Wrench,  
Hacksaw

Power tools can be used if care is given to not exceed torque values. Best practice is to lightly snug the fasteners down with power tools and torque to specification with a torque wrench. Using anti seize on stainless to stainless connections is mandatory when using power tools as the heat from rapid assembly will cause galling and seizure.



### Attaching Clamp Kit to Tenon:

1. Loosen the (3) 3/8" set screws till they are flush with the inside of the articulating arm.
2. Feed the wiring through the center of the assembly and slide the assembly over the tenon as far as possible.
3. Plumb and level the assembly.
4. Torque the (3) 3/8" set screws to 22 ft-lb. DO NOT OVERTIGHTEN.
5. Drill a 13/32" hole through the tenon in line with the slots in the articulating arm.
6. Install the 3/8" thru bolt through the articulating arm. Install the washer, lock washer, and nut and torque to 22 ft-lb. DO NOT OVERTIGHTEN.

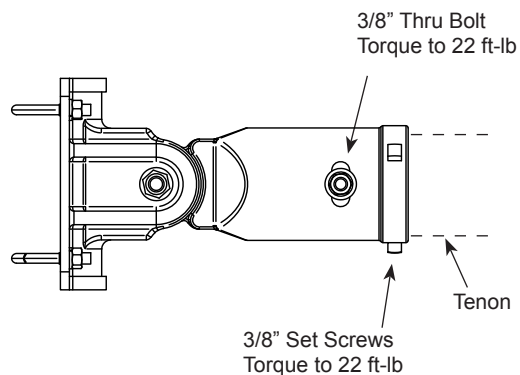


Figure 1

*Continued on back*

# INSTALLATION INSTRUCTIONS

## AB-3051 ATLAS CLAMP ASSY Tenon Slip Mount

Continued from front

### Signal Assembly:

7. Position the lower arm centered on the signal with the tube channel in the back. Using the hardware kit(s) without the neoprene gasket(s), mount the arm to bottom of the signal(s). Torque the bolts to 6 ft-lb. DO NOT OVERTIGHTEN. (Figure 2)
8. Screw the tube/gusseted tube into the lower arm stopping at a point where the channel (if using a gusseted tube) is facing away from the signal. (Figure 3)
9. Slide the upper arm(s) down over the top of the tube and secure to the signal(s) using the hardware kit(s) with the rubber gasket(s). (Figure 2)
10. Torque the set screws to 13 ft-lb in the upper and lower arms. DO NOT OVERTIGHTEN. (Figure 3)
11. Optional: Using the hack saw, cut off any excess tube protruding above the upper arm. (Figure 3)
12. Mount the tube assembly (with its attachments installed) into the male clamp of the kit. Insert the v-bolts as shown and attach with lock washers and nuts. (Figure 4). Position the signal to the desired height and direction, torque nuts on the two 5/16" v-bolts to 13 ft-lb. DO NOT OVERTIGHTEN.
13. Adjust the articulating joint as necessary and torque the 7/16" bolt to 36 ft-lb. DO NOT OVERTIGHTEN.
14. Route the wiring through the tube, through the lower arm, and to the signal connections. (Figure 2)
15. Cut the PVC insert to size and insert in the tube.
16. Slide in the bottom cover(s) and snap into place.

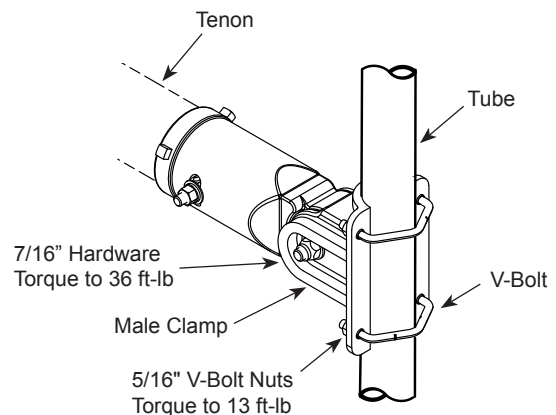
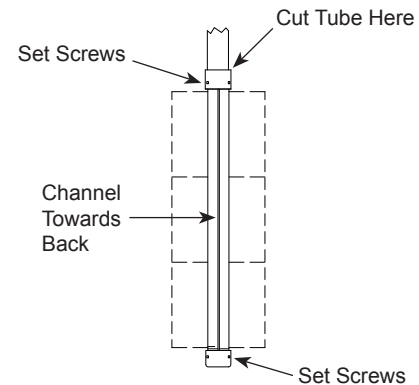
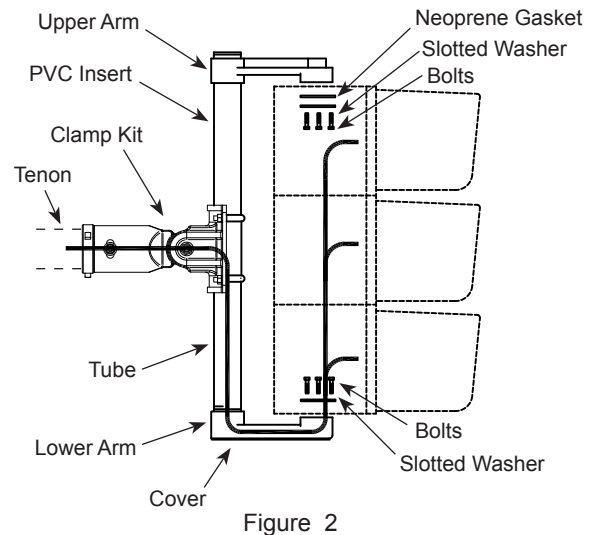


Figure 4