

# SPECIFICATION

## Atlas Clamp Kit, Articulating Band Mount

### DESIGN:

**Application:** The Atlas Articulating Band Mount Clamp Kit is a universal mounting component for traffic signal, camera, sensor, and sign assemblies. The Atlas Clamp Kit is easy to install and provides adjustability to properly support and position the complete assembly.

**Adjustability:** The clamp kit can rotate 360 degrees in 2 axes as shown in Figure 1. An integral shoulder on the male clamp half prevents separation from the female clamp while rotating. Additional adjustability for position of the assembly is provided by the articulating arm and saddle and the v-bolts in the male clamp half.

**Attachment:** Two stainless steel bands attach the clamp kit to any supporting structure between 4-1/2" and 34" in diameter without any special tools or equipment (wood poles are not recommended as a support structure). The v-bolts in the male clamp half attach any 1-7/8" diameter pipe/tube that further supports the assembly.

**Wiring:** The Clamp Kit will accommodate (3) 1/2" cables which are concealed by running the conductors through the unobstructed center openings.

**Hardware:** Each assembly is supplied complete with all bolts, nuts, and washers to allow installation of the clamp kit.

**Band Sub-Assembly:** The 5/8" x 0.05" stainless steel band has a minimum yield strength of 38 KSI.

Clamp Screw Kit:	Minimum Yield Strength
Stainless Band Clamp.....	31 KSI
Stainless Clamp Screw .....	30 KSI
Galvanized Clamp Screw.....	50 KSI
Aluminum Bearing Washer .....	50 KSI

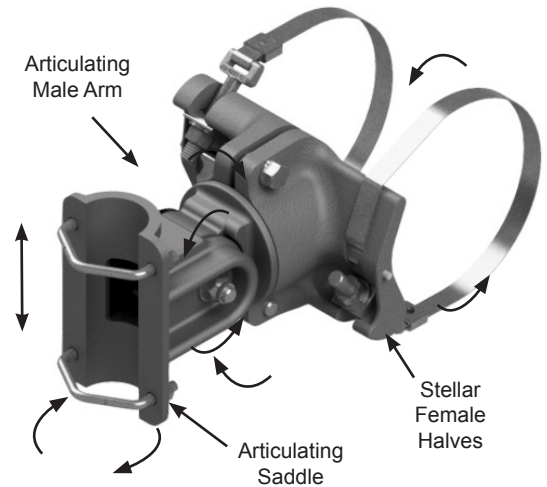


Figure 1

### MATERIAL:

Cast aluminum alloys have minimum yield strength of 22 KSI.

Hardware stainless alloys have minimum yield strength of 30 KSI.

All castings are free from casting defects, blemishes, and excessive foundry grinding marks.

### CAPACITY:

When properly installed the Atlas Articulating Band Mount Clamp Kit will perform as follows:

The male to female connection has a minimum rotating moment of 400 ft-lb.

The clamp kit attached to a 4.5" diameter supporting structure has a minimum rotational moment of 400 ft-lb.

The articulating joint has a minimum rotational moment of 700 ft-lb.

### INSTRUCTIONS:

Installation instruction Pelco Bulletin 2102 Atlas Articulating Band Mount is included, identifying proper installation and specific torque values.

### FINISH:

Aluminum surfaces are treated to resist atmospheric corrosion per Pelco Specification 3112 Trivalent Chromate Conversion Coating.

Powder coating is available per Pelco Specification 3099 Standard Powder Coat Finish.

### OPTIONS: (may be specified)

1. Technical information and prints are available for application engineering on the intended use.
2. Material certifications are available (if requested before manufactured).