

SPECIFICATION

Galaxy Hinged Clamp Kit, Cable Mount

DESIGN:

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

Adjustability: The clamp kit is capable of being rotated in any direction as shown in Figure 1. The male clamp is capable of rotating 75° in either the vertical or horizontal mounting options to the female clamp. The female clamp rotates 360° around the supporting arm or pole. Additional adjustability for position of the assembly is provided by the hinged tube clamp on the male clamp.

Attachment: The one-piece stranded cable rigidly attaches the clamp kit to any rigid supporting structure between 4.5" and 35" in diameter (wood poles are not recommended as a support structure). The Galaxy hinged tube clamp and male clamp secures any 1-7/8" outside diameter pipe or tube that further supports the assembly. (Figure 1)

Wiring: The Galaxy Hinged 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.

Cable Sub-Assembly: The 3/16" stranded cable is Type 6 Class 3, which is fabricated to the current revisions of Federal specification RR-W-410 and ASTM A1023/A1023M.

The cable assembly meets the following minimum breaking strength:

Stainless cable	3700 lbs.	Galvanized cable	4200 lbs.
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MATERIAL:

Cast aluminum alloys have a minimum yield strength of 21 KSI.

Extruded aluminum alloys have a minimum yield strength of 25 KSI.

Hardware stainless alloys have a minimum yield strength of 30 KSI.

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

CAPACITY:

When properly installed the 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 470 ft-lb (± 10%).

INSTRUCTIONS:

Installation instruction Pelco Bulletin 2105 Galaxy Hinged Cable 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).

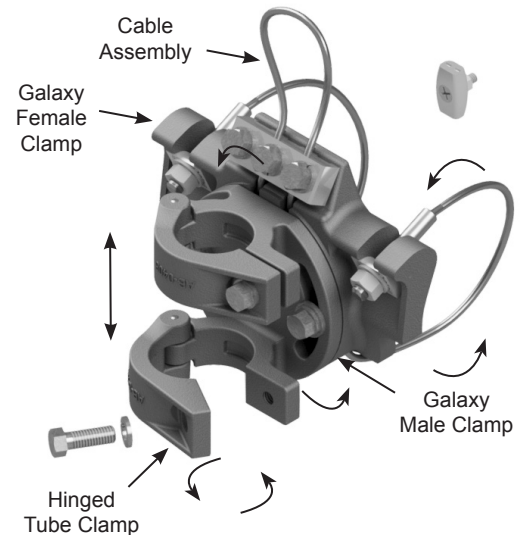


Figure 1