



PTM-90 Mount Kit

MOUNT AN ANTENNA ON THE PAINTER RINGS OF A PEDESTAL WATER TOWER

**PTM-90
VERSION FOR
TUBULAR
PAINTER
RINGS**



**3 YEAR
WARRANTY**



<https://youtu.be/QioG9CoWF4Q>

**Easy-to-Install... Corrosion-Resistant... Sturdy!
The Mounting Kit For Yagi and Microwave
Antennas on Pedestal-Type Water Towers...**

Increased Lightning Protection

Because an antenna that is staged at the peak of a water tower is a more attractive target for lightning strikes, it is often more desirable to mount an antenna at the level of the painter rings below the spheroid tank.

However, the tubular metal painter rings generally take the form of horizontal concentric rings around the tower – and therefore do not provide a convenient vertical structure for mounting an antenna.

To solve this problem, SCADAmetrics is pleased to introduce the PTM-90 Mount Kit. The PTM-90 is a crossover kit that provides a convenient method for attaching a vertical pipe to the painter rings. The vertical pipe is then suitable for mounting Yagi and Microwave antennas, such as those used in SCADA and wireless Internet systems.

Easy-to-Install

The kit is easy-to-attach – which is of paramount importance to maximize worker safety during installation.



Front View: VHF Yagi SCADA Antenna Mounted To Painter Rings Using the PTM-90 Mounting Kit



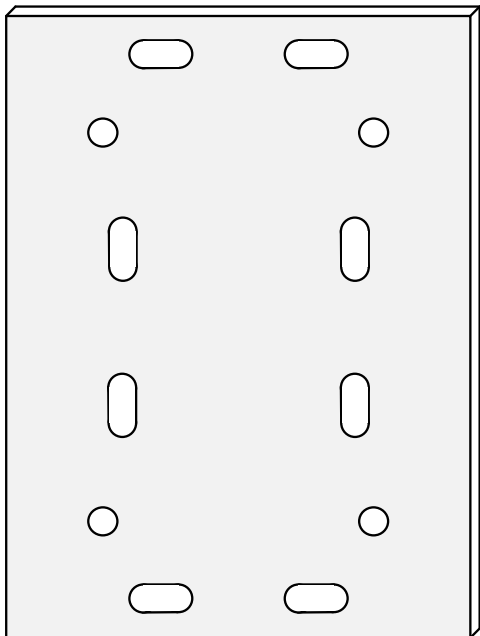
Rear View: VHF Yagi SCADA Antenna Mounted To Painter Rings Using the PTM-90 Mounting Kit

Rust-Proof

Every 5-10 years, antennas and mounting hardware must be temporarily removed from the water tower during sandblasting and re-painting operations. Therefore, it is vitally important that the hardware kit consist only of corrosion-resistant materials that can be removed and re-installed on multiple occasions:

The stout 0.140" thick crossover adapter plate is constructed of solid 304-2B stainless steel; and the U-Bolts and hardware are made of 316 stainless steel; and the mounting pipe is T-304/304L stainless steel welded tube.

In situations where the antenna RF connector is in close proximity to the side of the tank, an optional 90-deg RF Adapter (NF-NM) is available.



Crossover Mounting Plate
6 in. x 8 in. x 0.140 in.

Included Hardware:

U-Bolt
Size: 5/16"
Quantity: 4
Materials: 316 SS
Dimensions: See Diagram

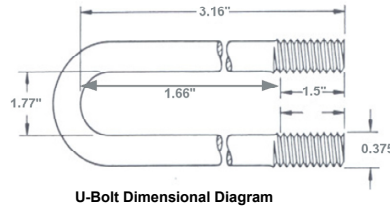
Lock Washer
Size: 5/16" Medium
Quantity: 8
Materials: 316 SS

Flat Washer
Size: 5/16"
Quantity: 8
Materials: 316 SS

90-Deg RF Adapter
(Optional)
NF-NM
Quantity: 1



Optional 90-Deg RF Adapter
Useful If Antenna RF Connector
Close Proximity to Water Tower



U-Bolt Dimensional Diagram

Antenna Mounting Pipe:

Length: 36"
Outer Diameter: 1.50"
Inner Diameter: 1.37"
Wall Thickness: 0.065"
Material: T-304/304L SS Welded Tube



Engineering Specifications:

The Antenna Mounting System shall be of an optimized design for mounting the antenna onto a painter ring of the water tower, and shall be constructed wholly of corrosion-resistant materials.

The system shall support vertical pipes with outside diameters ranging from 1 to 1.75 inch.

The U-Bolts shall be made of 316 stainless steel and 5/16 inch threads.

All hardware shall be made of 316 stainless steel and 5/16 inch threads. Standard and locking washers shall be provided for each nut.

The crossover adapter plate shall be constructed of solid 304-2B 10 gauge stainless steel.

The mounting pipe shall be T-304/304L stainless steel welded tube with a 1.5 inch outer diameter and a wall thickness of 0.065 inch.

The Antenna Mounting System shall be the Model PTM-90 by SCADAmetrics or equal.

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