

# Instruction Sheet

## YA9

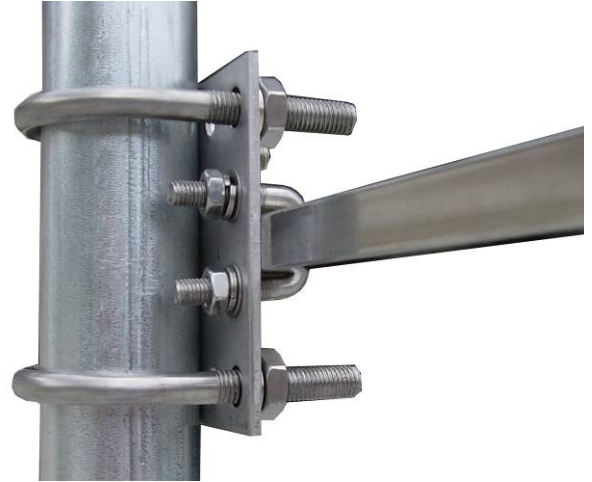
### 900MHz Yagi Antennas

**Step 1:** Decide if you need vertical or horizontal polarization. All yagis pictured on this page are shown vertically polarized. If horizontal polarization is required, rotate the yagi 90 deg so that the elements are in the horizontal orientation. In the horizontal polarization the feed connected to the pigtail should be on the bottom.

**Step 2:** Attach the bracket to the yagi support beam. Tighten the 4 nuts tight enough to stabilize the yagi. Torque to 45 in lbs. Bracket should be towards back of yagi support beam.

**Step 3:** Attach the antenna assembly to the pole using the two U-Bolts provided. Tighten evenly and enough to secure the antenna on the pole. Torque nuts to 60 in lbs.

**Step 3:** Connect RF cable to the Pigtail and Weatherproof the connection. Be sure to secure the cable to the pole using UV Resistant tie wraps (black).



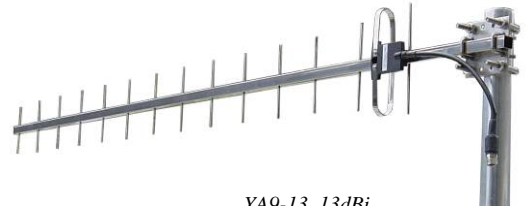
Parameter	YA9-9	YA9-11	YA9-13	Units
<b>Frequency Range</b>	860 to 960			MHz
<b>Gain</b>	9	11	13	dBi
<b>3dB Beam Angle</b>	53	50	30	deg
<b>Dimension</b>	19.7" (0.5 m)	35.4" (0.9 m)	57" (1.45 m)	Inch (m)
<b>Weight</b>	1.9 Lbs (0.7 Kg)	2.4 Lbs (0.9 Kg)	3.3 Lbs (1.25 Kg)	Lbs (Kg)
<b>VSWR</b>	1.5:1			
<b>Impedance</b>	50			OHM
<b>Input Power</b>	100			W
<b>Operating Temperature</b>	-40 to +70			Deg C
<b>Rated Wind Velocity</b>	125			mph
<b>Pole Diameter (OD)</b>	1.5 (38) to 2(51)			Inch (mm)



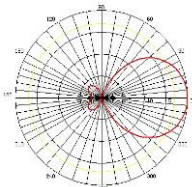
YA9-9 9dBi



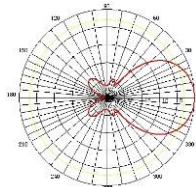
YA9-11 11dBi



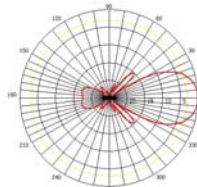
YA9-13 13dBi



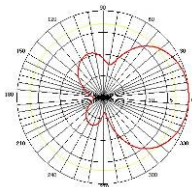
YA9-9 E Plane



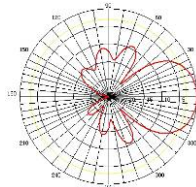
YA9-11 E-Plane



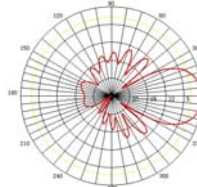
YA9-13 E-Plane



YA9-9 H Plane



YA9-11 H-Plane



YA9-13 H-Plane