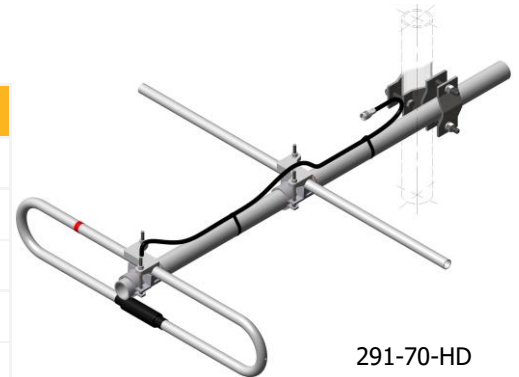


### 291-70-HD

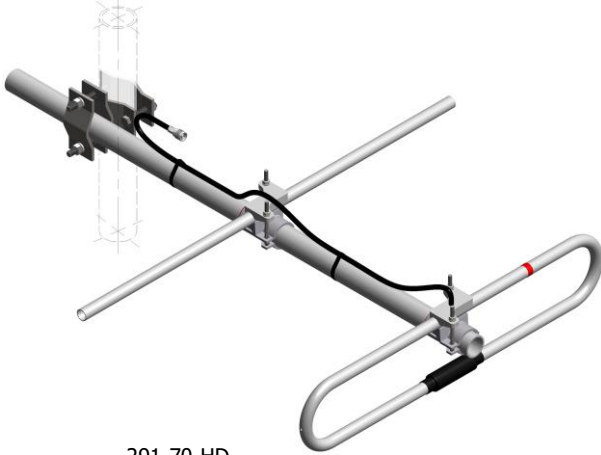
The 291-70-HD VHF Yagi Antenna is available in a 2-element configuration. All our antennas can be completely customized to your applications. Our antennas can be black anodized, welded, vertically or horizontally polarized, and heavy-duty versions are also available.

- Each antenna has a rugged design to withstand harsh environmental conditions.
- The mounting hardware supplied will permit either vertical or horizontal polarization.
- DC ground for lightning protection.
- This antenna can be Black Anodized (291-70-HDB).
- This is the heavy-duty yagi antenna.

Electrical Specifications	291-70-HD
Frequency Range, MHz	138-174
Nominal Gain, dBd	3.5
Number of Elements	2
Bandwidth 2.0:1 VSWR, MHz (Ctr. Freq.%)	36
Polarization	Vert. or Horiz.
Horizontal Beamwidth (Horizontal Pol.)	140°
Vertical Beamwidth (Horizontal Pol.)	70°
Front to Back, dB	12
Pattern	Directional
Power Rating, Watts	350
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Standard Termination	Type N Male
Mechanical Specifications	291-70-HD
Length, in (mm)	50 (1270)
Width, in (mm)	40 (1016)
Weight, lbs. (kg)	9.5 (4.3)
Weight (40mm ice), lbs. (kg)	85 (38.4)
Rated Wind Velocity, No Ice, mph (km/h)	175 (282)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	155 (249)
Lateral Thrust @ 100 mph, wind, lbf (N)	38 (170)
Lateral Thrust @ 100 mph (40mm ice), wind, lbf (N)	135 (598)
Projected Area, ft <sup>2</sup> (m <sup>2</sup> )	1.4 (0.13)
Projected Area (40mm ice), ft <sup>2</sup> (m <sup>2</sup> )	5.2 (0.49)
Mounting Hardware Included	115-85 Clamp



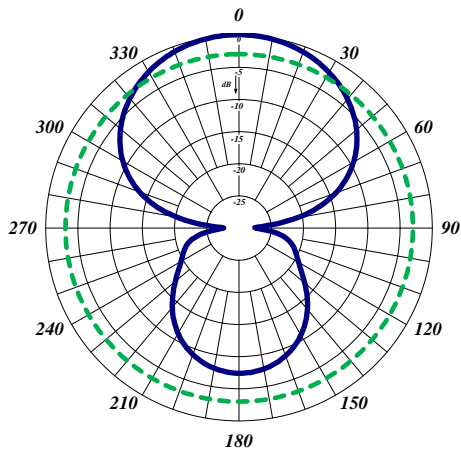
291-70-HD



291-70-HD

Horizontal Polarization

Horizontal Pattern



Vertical Pattern

