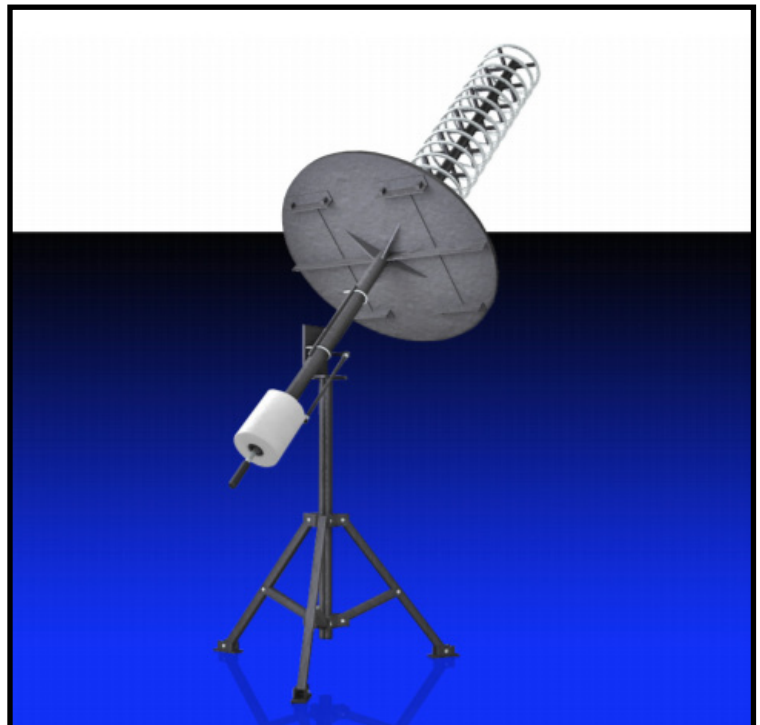


# Bifilar Helical Antenna

- 245 - 315 MHz Frequency Band
- Right Hand or Left Hand Circularly Polarized
- Transportable
- Rugged and Lightweight
- Black Anodized Coated Aluminium

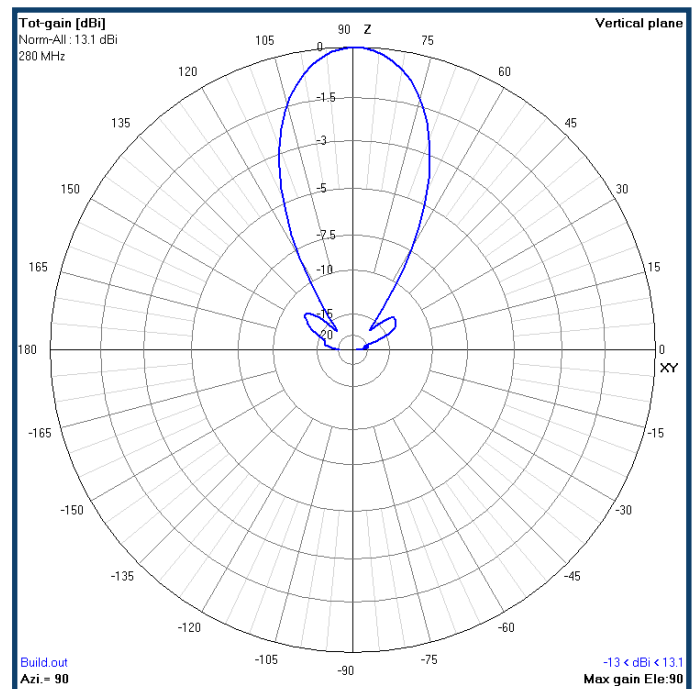
The Kratos Bifilar Antenna is widely used for satellite communications. This antenna is engineered to assemble rapidly and is rugged enough to survive winds up to 115 mph without ice and 95 mph with 1/2 inch of ice. The Antenna is constructed from lightweight aluminum with an anticorrosive black anodized coating.

This antenna is available in left hand or right hand circular polarizations and is also available with different mounting arrangements.



## Characteristics

Electrical	
Frequency Range, MHz	245-315
Gain, Nominal at 280 MHz	12.5 dBic
VSWR	1.5 Maximum
Beamwidth E-Plane H-Plane	34° 43°
Axial Ratio, Nominal	>2 dB
Input Connector	Type N (Female)
Azimuth Adjustment	360°
Elevation Adjustment	90°
Wind Survival, No Ice	115 mph
Weight:	
Antenna	34 lbs. (15.5 kg.)
Counterweight	43 lbs. (19.5 kg.)
Tilt mount	10 lbs. (4.3 kg.)
Tripod Assembly	29 lbs. (13.2 kg.)
Size:	
Assembled Antenna Length	122 inches (3100 mm)
Ground Plane Diameter	39 inches (990 mm)
Part Number:	
R.H. Circular	63305A-5
L.H. Circular	63305A-6



H-Plane Pattern at 280 MHz

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