

# PROFESSIONAL SERIES OFFSET PROex403-13-H-0-N1

403-470 MHz

## ANTENNA SPECIFICATIONS

Operating Frequency (VSWR $\leq$ 1.5) MHz	403-470
Nominal Gain (dBi)	13 - 13.5
Horizontal Beamwidth (Deg-3dB)	210
Vertical Beamwidth (Deg-3dB)	8.5
Front To Back Ratio (dB)	0
Power Rating (W)	300
Length (inches)	240
Width (inches)	16
Antenna Weight (lbs.)	48
Cross Sectional Area (Max. Ft <sup>2</sup> )	4.6
Lateral Thrust at 100mph (lbs.)	130
Rated Wind Velocity (mph)	150
Rated Wind Velocity with 1/2" radial ice (mph)	105

The **PROex403-13** has been specifically engineered to meet or exceed all the requirements of a broadband, offset dipole *professional grade* antenna. This antenna provides **13 dBi** gain and operates effectively across the operating range of **403-470 MHz** with a VSWR of 1.5:1 or less. The dipole to mast spacing is  $\frac{1}{2}$ wave. All **WaveLink Antenna PRO Series** offset antennas are manufactured using high strength 6061 T6 aluminum to ensure consistent operating performance. Each *dipole junction* is welded in a fixed position, incorporating a tuned, internal cable harness, thereby eliminating any exposure to the elements; every broadband dipole is fixed in place by a CNC-machined aluminum saddle. **These two features combine to minimize or even eliminate all potential intermod or misalignment problems.** In addition, the dipoles are anodized to protect against environmental degradation. The **PROex403-13** is made standard with 5' of LMR400 UltraFlex with a soldered N-male crimp connector.



PROex403-13 is equipped with a standard feedline length of 5' LMR400 UltraFlex cable and N-Male connector. Please contact our sales staff for alternate connector requirements.

Extended feed line available in 5' increments up to a maximum of 50'. All extended feed line antennas equipped with LMR400 cable and N-Male connector.



Suggested mounting bracket C1002  
(Bracket not included)