



# Prodelin 4.5m

## C/KU-Band

### Prime Focus Rx Antenna



#### Features

- Precision Compression Molded Centerfed Reflector
- Low Transportation Cost with Eight Panel Reflector
- Individual Panels Interchangeable and Field Replaceable
- Fully Galvanized Steel Mounts
- Az/EI or Declination Corrected Polar Mounts
- Optional Galvanized King Post Available

#### Summary

The Prodelin 4.5 Meter is a precise, quality, state-of-the-art C or Ku-Band Receive-Only Antenna. It features a variety of mounts and a glass fiber reinforced galvanized reflector which is powder coated for superior protection against the elements.

The 4.5 Meter Receive-Only reflector consists of 8 draw die formed contoured petals with matched radial beams. This straightforward construction approach requires no field alignment, significantly reducing installation time and cost. The Prodelin 4.5 Meter Prime Focus is one of the highest performance antennas in the industry due to its sophisticated, precision SMC compression molding process technology.

ATCi provides the best value antenna solutions to market with competitive pricing, highest quality products and unmatched engineering support.

#### Applications

- Broadcasting
- Cable TV & Radio
- Corporate Business
- Government & Military
- Educational Institutions

# Specifications: 4.5 Meter C/Ku-Band Prime Focus Rx Antenna

<b>ELECTRICAL</b>	<b>Series 1451</b>	<b>Ku-Band</b>
Antenna Size Operating Frequency Midband Gain (+/- .5 dB) Polarization 3 dB Beamwidth Feed Interface First Sidelobe (Typical) Cross-Pol Isolation VSWR	<b>C-Band</b> 4.5 M (15 ft.) 3.625 - 4.2 42.9 dBi Linear 1.2° CPR 229 -20 dB >30 dB (on axis) 1.3:1 Max.	4.5 M (15 ft.) 10.95 - 12.75 52.6 dBi Linear .42° WR 75 -20 dB >30 dB (on axis) 1.3:1 Max
<b>MECHANICAL</b>	Glass Fiber Reinforced Polyester SMC Prime Focus, 8 Piece Axisymmetric 10" SCH 40 Pipe (10.75" OD) 27.30 cm. 5° to 90° Continuous Fine Adjustment (90° Optional) 360° Continuous Weight: 950 lbs. (428 kg.)	
<b>ENVIRONMENTAL PERFORMANCE</b>		
Wind Loading Operational Survival Temperature Operational Survival	45 mph (72 km/h) 125 mph (201 km/h) -40° to 140° F (-40 to 60° C) -50° to 160° F (-46° to 71° C)	
Atmospheric Conditions	Salt, Pollutants and Contanimants as Encountered in Coastal and Industrial Areas.	
Solar Radiation	360 BTU/h/ft <sup>2</sup>	