

## PRODELIN Serie 1183

Prodelin Corporation is the world's largest manufacturer of Rx/Tx VSAT antennas. Prodelin antennas provide the best quality in the market due to the sophisticated, precision SMC (Sheet Molding Compounds) compression molding process technology.



- Precision compression molded offset reflector
- Installation time reduced with improved mount design
- Fully galvanized steel Az/EI mount
- Reflector/Feed electrical anti icing available
- Polar mount available
- Optionally with Anti Ice System

ELECTRICAL	SERIE 1183	
	C-BAND	KU-BAND
Antenna size	1,8 m	1,8 m
Operating frequency	3,625-4,2 GHz	10,95-12,75 GHz
Midband gain ( $\pm 0,2$ dB)	35,5 dBi	45,5 dBi
3 dBm beamwidth	2,9°	0,9°
Antenna noise temperature		
20° Elevation	49 K	38 K
30° Elevation	47 K	35 K
Polarization	Linear or circular	Single or dual linear
First Sidelobe (typical)	- 20 dB	- 20 dB
Cross Pol isolation	> 30 dB (on axis)	> 30 dB (on axis)
VSWR	1,3 : 1 max.	1,3 : 1 max.
Feed interface	CPR 229 F	Rectangular WR 75 or WC 75
MECHANICAL		
Reflector material	Glass fiber reinforced polyester SMC	
Antenna optics	Prime focus, one piece offset feed	
Mast pipe size	(3,5") 3,81 cm SCH 40 pipe (4,00" OD) 10,16 cm	
Elevation adjustment range	5° ... 90° continuous fine adjustment	
Azimuth adjustment range	360° continuous	
Weight	72 kg	
ENVIRONMENTAL PERFORMANCE		
Wind loading	operational	72 km/h
	survival	201 km/h
Temperature	operational	- 40° ... 60°C
	survival	- 46° ... 71°C
Atmospheric conditions	Salt, pollutants and contaminants as encountered in coastal and industrial areas	
Solar radiation	360 BTU/h/ft <sup>2</sup>	