SPO 118-2

Sirio Professional Omni

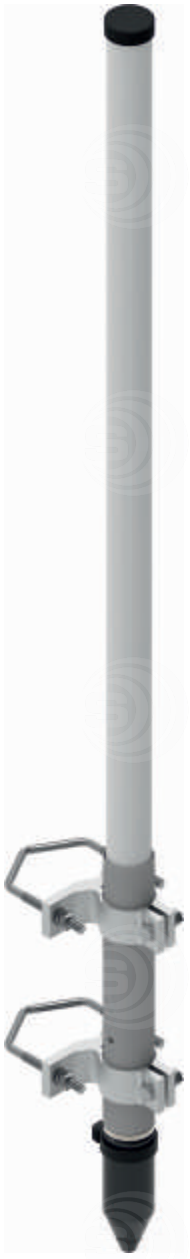
2 dBi VHF Base Station Antenna 118-136 MHz

MAIN FEATURES

- Omnidirectional Wideband Dipole antenna, no tuning required
- Designed to work without ground plane
- Anodized aluminium and stainless steel hardware
- Maximum protection against the harshest weather condition, IP67 waterproof
- Fully designed and manufactured in Italy

UPGRADED FEATURES

- New plastic clamp to ensure a secure seal with the connector protection cap



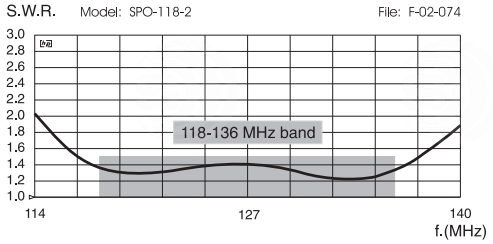
Electrical Data

Type	Dipole
Frequency Range	TX band 118-136 MHz @ SWR ≤ 1.5; Rx 108-136 MHz
Impedance	50 Ω
Radiation (H-plane)	360° Omnidirectional - HCM code = 000ND00
Radiation (E-plane)	Beamwidth @ -3dB = 78° - HCM code = 039ND00
Radiation angle deg.	0°
Polarization	Linear Vertical
Gain	0 dBd - 2.15 dBi
Max Power	100 Watts (CW) @ 30°C ambient
Grounding Protection	All metal parts are DC-grounded, inner conductor shows a DC short
Connector	N-female, with rubber protection cap

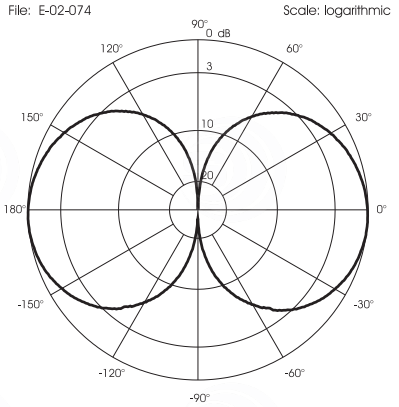
Mechanical Data

Materials	White fiberglass radome Ø 28.6 mm, anodized 6063-T5 aluminium, brass, stainless steel, copper, EPDM rubber.
Wind Load at 150 km/h	56 N
Wind Resistance	180 Km/h; 112 mi/h
Wind Surface	0.048 m^2; 0.51 ft
Operatin temperature	-40°C to + 80°C
Height (approx.)	1700 mm; 5.6 ft
Weight (approx.)	1400 gr; 3.1 lb
Ingress Protection	IP 67
Mounting Mast	Side mast with "V" bolt, Ø 35-60 mm; Ø 1.4-2.4 in

TYPICAL S.W.R. RESPONSE

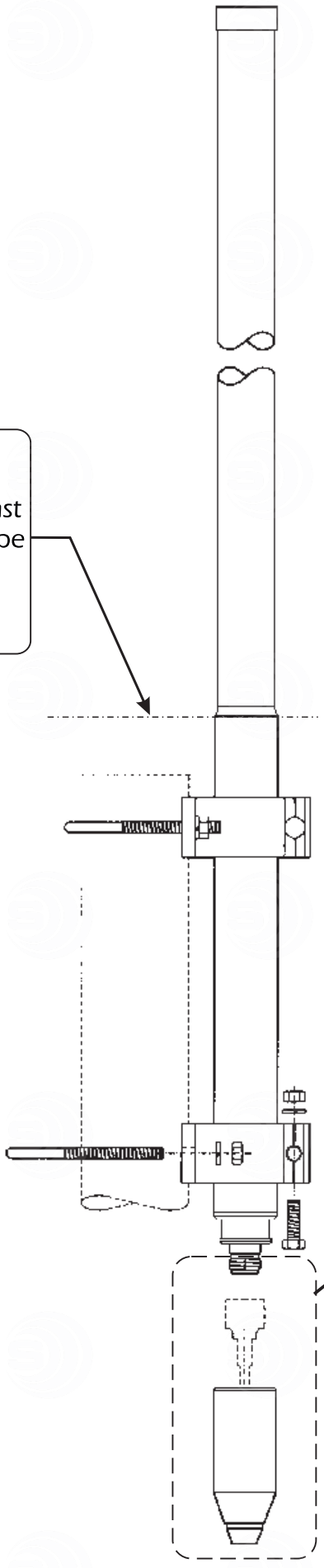


TYPICAL RADIATION PATTERN in E-plane at mid-band



MOUNTING INSTRUCTIONS

ATTENTION!
The mounting mast does not have to be higher of the aluminium tube



FT-5 fixing bracket:

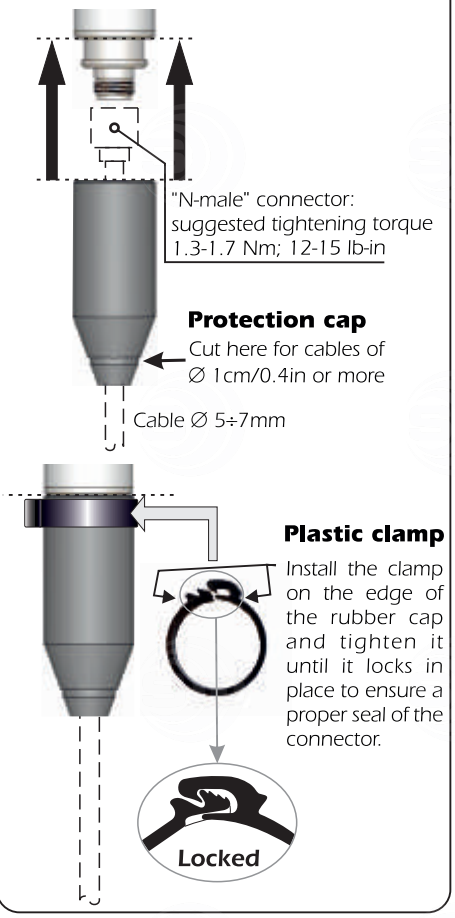




FT-5 fixing bracket part list	
Q.ty	*Description*
2	Extruded aluminium bracket
2	M6x206 V-bolt
2	M6x20 Exagonal head screw
6	M6 Spring lock washer
6	M6 Hexagonal nut
Materials:	extruded aluminum
Hardware:	stainless steel
Dimensions:	85x65x25mm; 3.3x2.5x1in
Weight:	220 g; 0.5 lb
Re-order code: 2519613.00	

Connector protection cap and plastic clamp

Re-order code: WKI00048



HI-QUALITY ANTENNAS MADE IN ITALY

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