

# SPO 118-2

## Sirio Professional Omni

### 2 dBi VHF Base Station Antenna 118-136 MHz

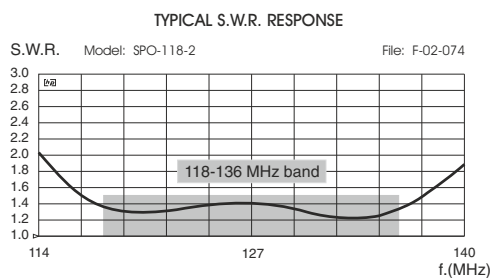
**DESCRIPTION: Wide band** omnidirectional base station antenna suitable for VHF AIR band service. The fiberglass protection radome and the anodized aluminium parts guarantee robustness and long life to all the SPO-antennas series. They are supplied with two strong extruded aluminium brackets and stainless steel hardware for a good installation on the mast.

#### Electrical Data

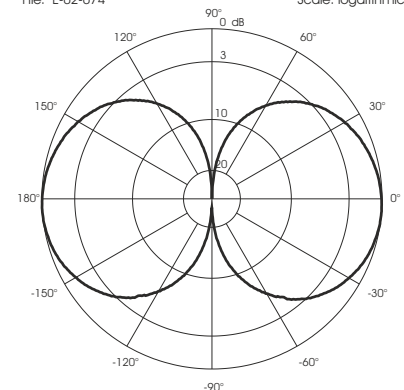
Type	Dipole
Frequency Range	TX band 118-136 MHz @ SWR ≤ 1.5; Rx 108-136 MHz
Impedance	50 Ω
Radiation (H-plane)	360° Omnidirectional - HCM code = 000ND00
Radiation (E-plane)	Beamwidth @ -3dB = 78° - HCM code = 039ND00
Radiation angle deg.	0°
Polarization	Linear Vertical
Gain	0 dBd - 2.15 dBi
Max Power	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

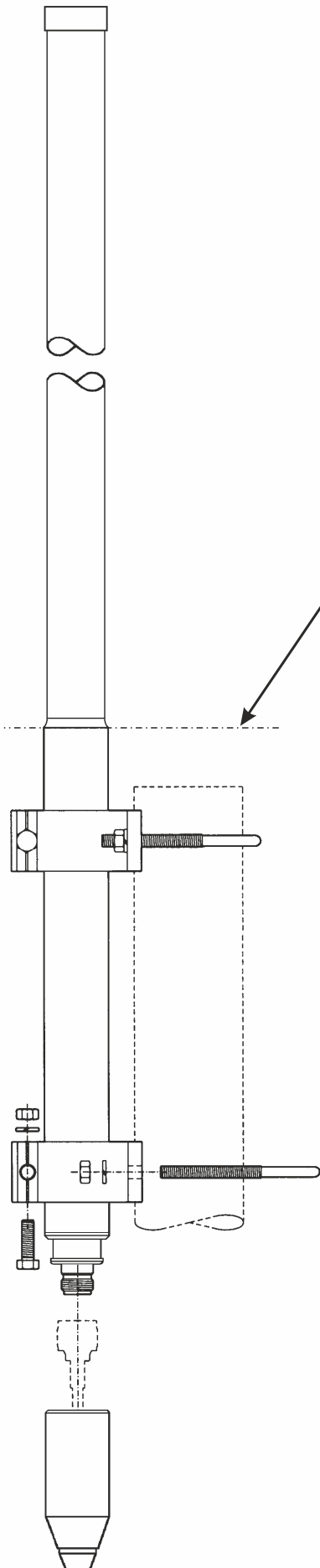
Materials	White fiberglass radome Ø 28.6 mm, anodized 6063-T5 aluminium, brass, stainless steel, copper, EPDM rubber.
Wind Load at 150 km/h	56 N
Wind Resistance	180 Km/h; 112 mi/h
Wind Surface	0.048 m²; 0.51 ft
Operating temperature	-40°C to + 80°C
Height (approx.)	1700 mm; 5.6 ft
Weight (approx.)	1400 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 RADIATION PATTERN in E-plane at mid-band**  
File: E-02-074 Scale: logarithmic



## MOUNTING INSTRUCTIONS



### ATTENTION!

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

### FT-5 fixing bracket:



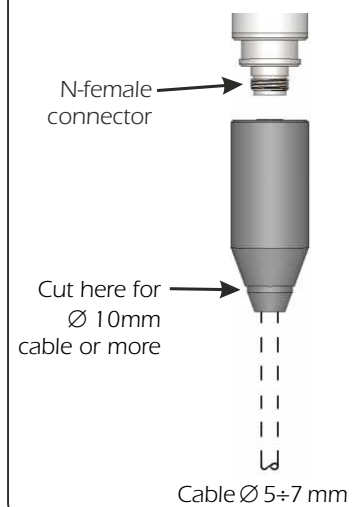
#### FT-5 fixing bracket part list

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 :	85 x 65 x 25 mm
Weight:	220 g

**Re-order code: 2519613.00**

### Connector protection cap

**Re-order code: TE06416**



HI-QUALITY ANTENNAS MADE IN ITALY

