

SPO 70 cm Series 5 dBi

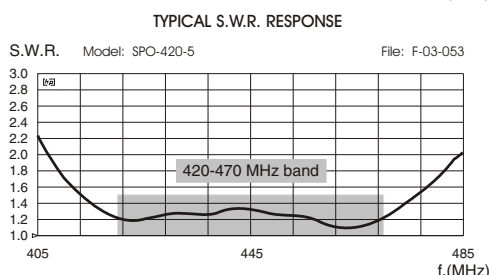
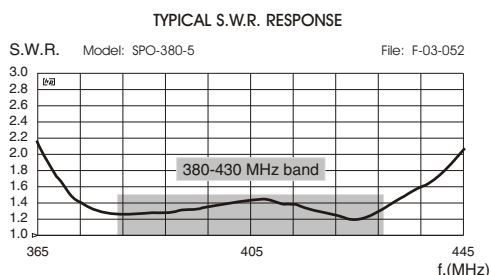
Sirio Professional Omni

UHF Base Station Antennas 380-470 MHz

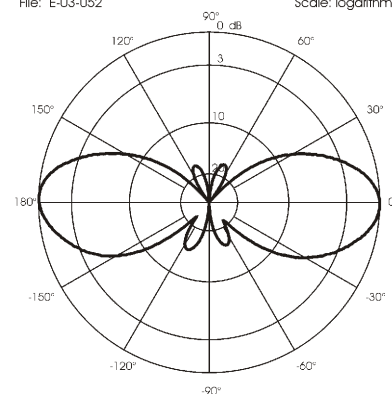
DESCRIPTION: New series of **wide band** omnidirectional base station antennas for UHF band suitable for marine service too. The fiberglass protection radome and the anodized aluminium parts guarantee robustness and long life to all the SPO-antennas series. They are supplied with two strong extruded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

Electrical Data		
Model	SPO 380-5	SPO 420-5
Type	Colinear	
Frequency Range	380 - 430 MHz @ SWR 1.5	420 - 470 MHz @ SWR 1.5
Impedance	50	
Radiation (H-plane)	360° Omnidirectional	
Radiation (E-plane)	Beamwidth @ -3dB = 40°	
Radiation angle deg.	0°	
Polarization	Linear Vertical	
Gain	3 dBd - 5.15 dBi	
Max Power	75 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	

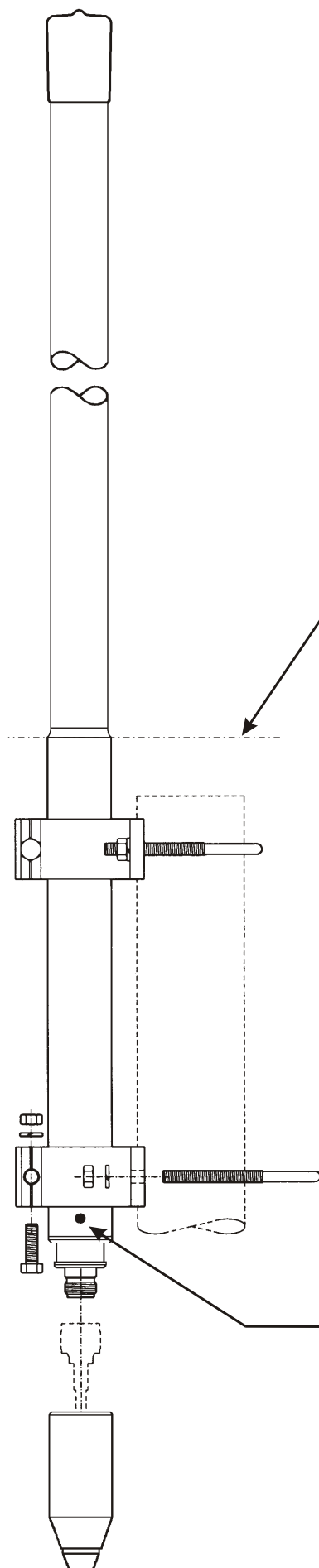
Mechanical Data		
Materials	White fiberglass radome 28.6 mm, anodized 6063-T5 aluminium, brass, stainless steel, copper, EPDM rubber.	
Wind Load at 150 km/h	53 N	
Wind Resistance	180 Km/h	
Wind Surface	0.044 m ²	
Operatin temperature	-40°C to + 80°C	
Height (approx.)	1380 mm	
Weight (approx.)	1215 gr	1200 gr
Mounting Mast	Side mast with "V" bolt, 35-54 mm	



TYPICAL RADIATION PATTERN in E-plane at mid-band
File: E-03-052 Scale: logarithmic



MOUNTING INSTRUCTIONS



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

ATTENTION!
Leave the drainage
hole uncovered

Fixing bracket:



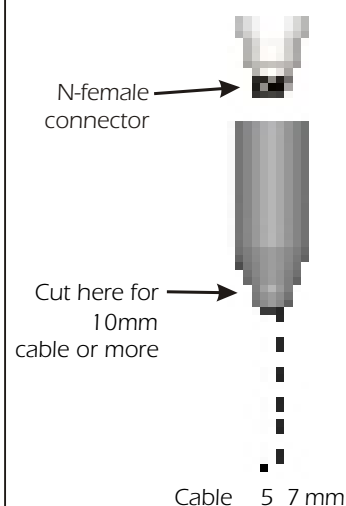
Fixing bracket part list

Q.ty	Description
2	Extruded aluminium bracket
2	M6x188 V-bolt
2	M6x20 Exagonal head screw
6	M6 Spring lock washer
6	M6 Hexagonal nut
Materials:	extruded aluminum
Hardware:	stainless steel
Dimensions :	80 x 76 x 25 mm
Weight:	220 g

Re-order code: SA104

Connector protection cap

Re-order code: TE06416



HI-QUALITY ANTENNAS MADE IN ITALY

