SPO 70 cm Series 8 dBi
Sirio Professional Omni
UHF Base Station Antennas 380-470 MHz

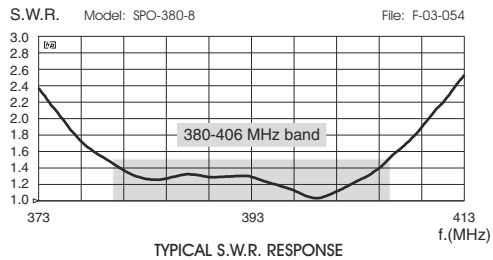
MAIN FEATURES
- Omnidirectional Wideband Colinear antennas, no tuning required
- Designed to work without ground plane, Anodized aluminium and stainless steel hardware
- Maximum protection against the harshest weather condition, IP67 waterproof
- Fully designed and manufactured in Italy

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

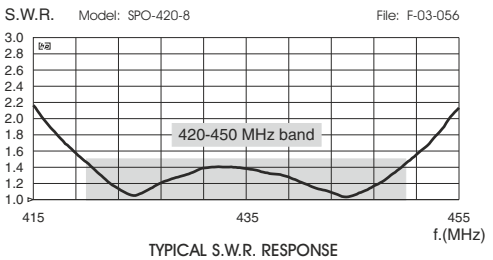


Electrical Data	**SPO 380-8**	**SPO 400-8**	**SPO 420-8**	**SPO 440-8**
Type	Colinear			
Frequency Range	380-406 MHz @ SWR £ 1.5	400-430 MHZ @ SWR £ 1.5	420-450 MHZ @ SWR £ 1.5	440-470 MHZ @ SWR £ 1.5
Impedance	50 W			
Radiation (H-plane)	360° Omnidirectional - HCM code = 000ND00			
Radiation (E-plane)	Beamwidth @ -3dB = 14° - HCM code = 007ND34			
Radiation angle deg.	0°			
Polarization	Linear Vertical			
Gain	6 dBd - 8.15 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 Æ28.6 mm, anodized 6063-T5 aluminium, brass, stainless steel, copper, EPDM rubber.			
Wind Load at 150 km/h	104 N	104 N	98 N	93 N
Wind Resistance	150 Km/h, 93 mi/h			
Wind Surface	0.089m²;0.95ft²	0.089m²;0.95ft²	0.083m²;0.88ft²	0.078m²;0.84ft²
Operatin temperature	-40°C to + 80°C			
Height (approx.)	2940mm;9.6ft	2940mm;9.6ft	2740mm; 9ft	2590mm;8.5 ft
Weight (approx.)	2040gr;4.5 lb	2020gr; 4.5lb	1935gr; 4.3 lb	1850gr; 4.1 lb
Ingress Protection	IP 67			
Mounting Mast	Side mast with "V" bolt, Æ35-60 mm, Æ1.4-2.4 in			

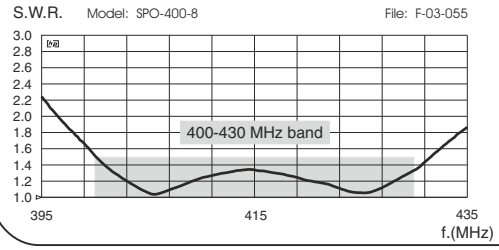
TYPICAL S.W.R. RESPONSE



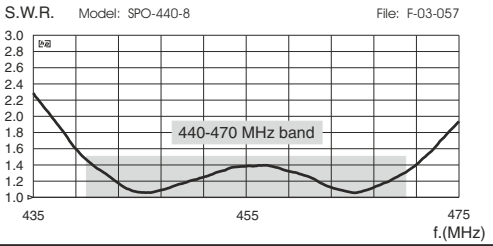
TYPICAL S.W.R. RESPONSE



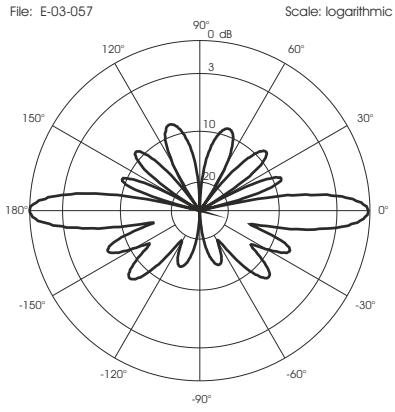
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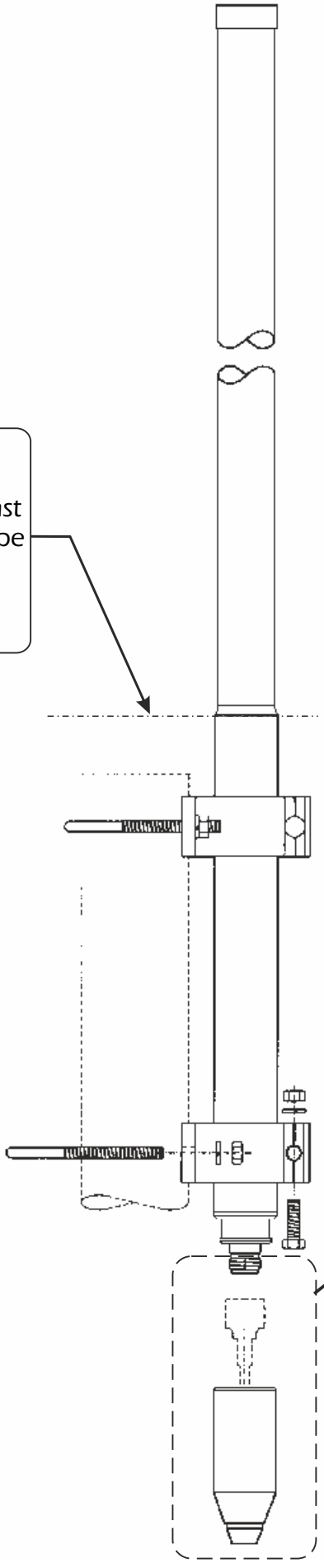


TYPICAL RADIATION PATTERN in E-plane at mid-band



MOUNTING INSTRUCTIONS

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



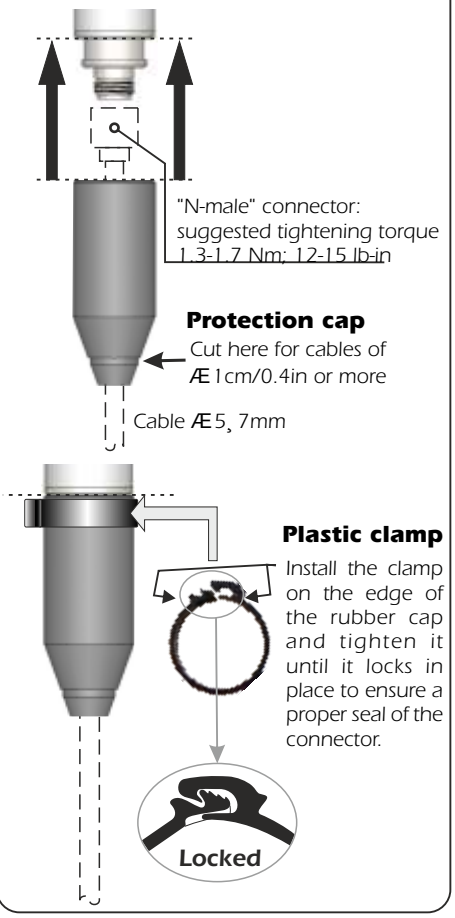
FT-5 fixing bracket:



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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