SIRIO 2000 series

26.4...28.2 MHz Tunable Base Station Antennas

DESCRIPTION

Hi-quality base station antennas tunable from 26.4 to 28.2 MHz. They are made of anti-corodal aluminium tubes and supplied with polythene jointing sleeves to guarantee a perfect waterproofing. Strong and easy to install, they allow very good links.

SPECIFICATIONS

Electrical Data

Type : 5/8 λ Ground Plane

Frequency range : 26.4...28.2 MHz tunable (see table)

Impedance : $50 \, \Omega$

Radiation (H-plane) : 360° omnidirectional Polarization : Linear Vertical Gain : 1.3 dBd, 3.45 dBi

Gain Bandwidth @ SWR ≤2

> SIRIO 2008, SIRIO 2012 : ≥ 1750 KHz SIRIO 2016 : ≥ 2100 KHz

SWR @ res. freq. $: \le 1.1$

Max Power : 1000 Watts (CW) continuous

: 3000 Watts (CW) short time

Feed system/ position : Transformer DC-ground / base Connector : UHF-female

Mechanical Data

Materials : Aluminium, Copper, Nylon

Brass, Galvanized Steel

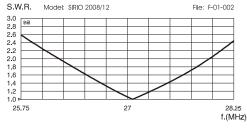
Wind Load / Resistance : 166 N @ 150Km/h / 130 Km/h

Wind surface : 0.14 m² Length (approx.) : 6100 mm Weigth (approx.) : 5300 gr

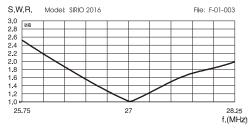
Radial lenght

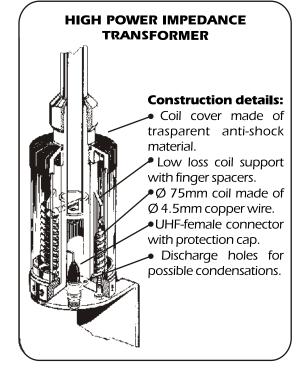
SIRIO 2008, SIRIO 2012 : 1320 mm SIRIO 2016 : 700 mm Mounting Mast : ∅ 40-50 mm

TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE





SIRIO 2000 series features:

SIRIO 2008 : with 8 G.P. radials lenght=1320mm SIRIO 2012 : with 12 G.P. radials lenght=1320mm SIRIO 2016 : with 16 G.P. radials lenght= 700 mm



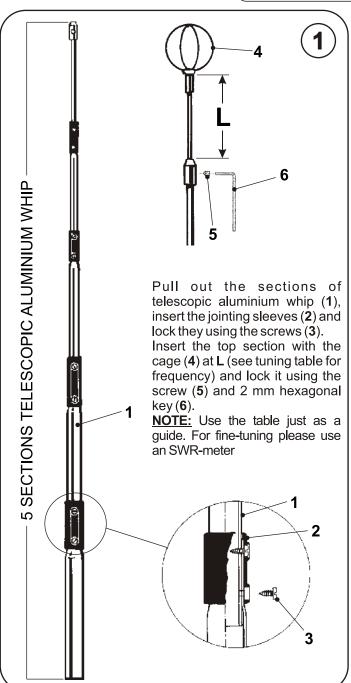
TUNING TABLE		
Freq. (MHz)	L (mm)	
26.4	545	
27.0	381	
27.185	330	
27.5	241	
28.0	101	
28.2	45	

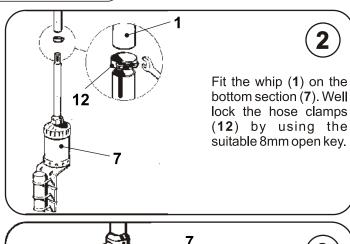
Mounting needed tools:

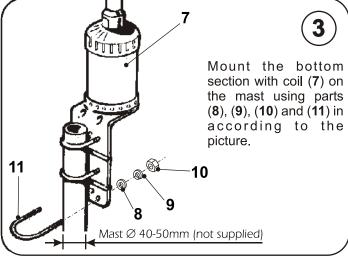
- n. 1 tape rules (meter)
- n. 1 phillips screwdriver
- n. 1 8 mm open key
- n. 1 10 mm open key
- n. 1 13 mm open key

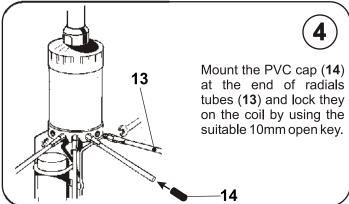
Parts List		
Pos	Q.ty	Description
1	1	5 sections telescopic aluminium whip
2	4	plastic jointing sleeves (4 different sizes)
3	8	Ø 3.9x6.5 mm phillips tapping screws
4	1	top section with cage
5	1	M4x4 hexagon socket set screw cup point
6	1	2 mm hexagonal key
7	1	Bottom section assembled with coil and connector
8	6	M8 washers
9	6	M8 spring lock washers
10	6	M8 hexagonal nuts
11	3	M8x200 mm U-bolts
12	1	Ø 26-28 mm hose clamps
13	8/12	Ø 6x8x1320mm radials aluminium tubes with joint (SIRIO 2008/12)
	16	Ø 6x8x700mm radials aluminium tubes with joint (SIRIO 2016)
14	8/12/16	PVC cap for Ø 8mm aluminium tubes (models dependent)

MOUNTING INSTRUCTIONS











HI-QUALITY ANTENNAS MADE IN ITALY