

SIRIO 827

26.4 28.4 MHz Tunable Base Station Antenna

SPECIFICATIONS

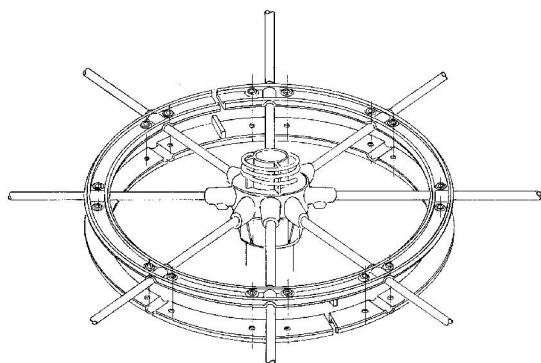
Electrical Data

Type	: 5/8 λ Ground Plane
Frequency range	: 26.4...28.4 MHz tunable (see table)
Impedance	: 50 Ω
Radiation (H-plane)	: 360° omnidirectional
Polarization	: Linear Vertical
Gain	: 1.5 dBd, 3.65 dBi
Bandwidth @ SWR ≤ 2	: ≥ 2000 KHz
SWR @ res. freq.	: ≤ 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, Steel, Copper, Nylon
Wind Load/ Resistance:	264 N @ 150Km/h / 130 Km/h
Wind surface	: 0.23 m ²
Length (approx.)	: 6700 mm
Weigth (approx.)	: 6000 gr
Radial lenght	: 1400 mm
Mounting Mast	: \varnothing 35-39 mm

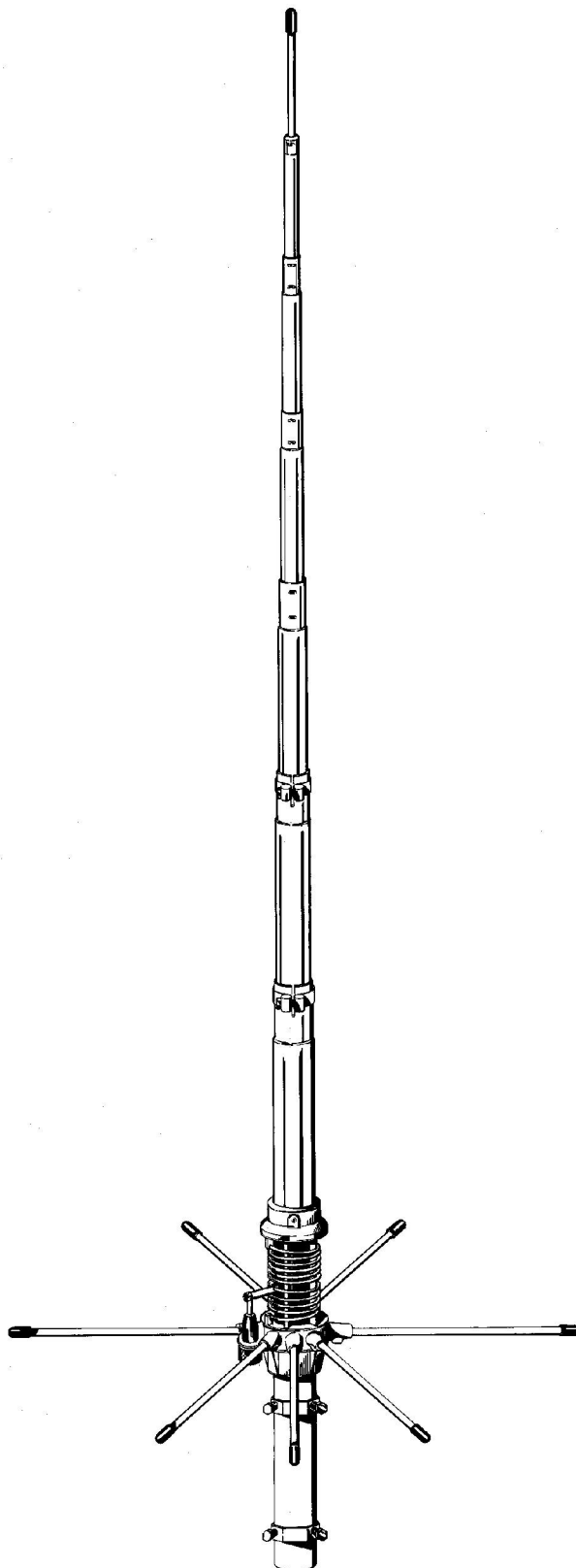
OPTIONAL ANTI NOISE NYLON RING



Optional nylon ring to reduce the
wind noise of the radials.
P/N: 2511011.00

WARNING

INSTALLATION OF THIS PRODUCT NEAR POWER LINES IS DANGEROUS. FOR YOUR SAFETY AND BEFORE YOU BEGIN INSTALLATION, READ THE SEPARATE SAFETY INFORMATION SHEET.



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TUNING TABLE

Freq. (MHz)	L (mm)
26.4	670
27.0	457
27.185	400
27.5	300
28.0	137
28.4	18

Mounting needed tools:

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

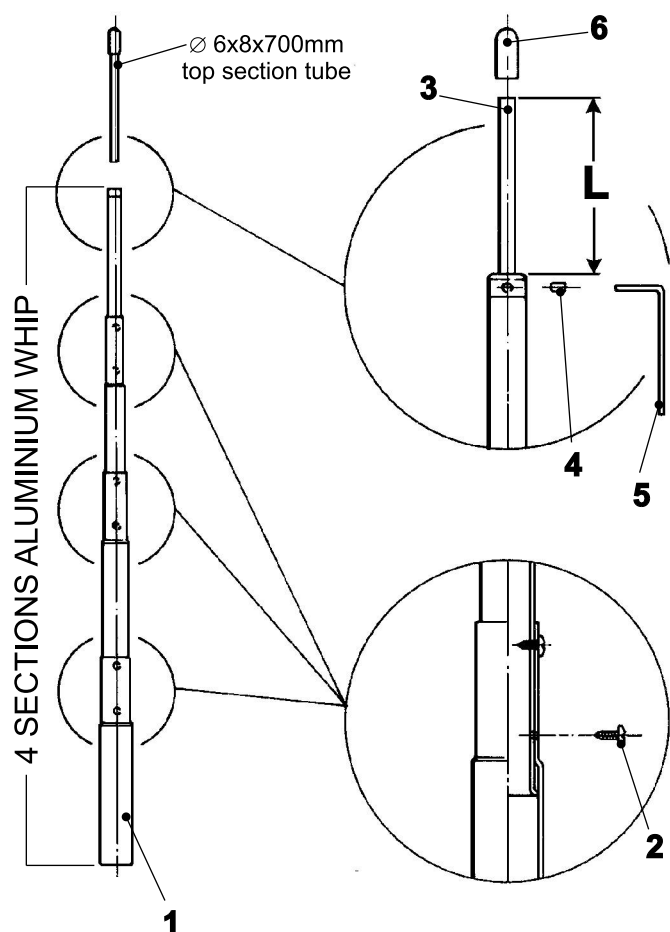
Parts List

Pos	Q.ty	Description
1	1	4 sections telescopic aluminium whip
2	6	Ø 3.9x6.5 phillips tapping screws
3	1	Ø 6x8x700mm top section tube
4	1	M4x4 hexagon socket set screws cup point
5	1	2mm hexagonal key
6	9	PVC caps for Ø 8 mm aluminium tube
7	1	Ø 33.5x37x1100 mm aluminium tube
8	1	Ø 32-35 mm hose clamp
9	1	Bottom section assembled with coil and connector
10	1	Ø 40-43 mm hose clamp
11	8	Ø 6x8x1400mm aluminium tubes
12	8	brass radials reinforces
13	8	M6x6 hexagon socket set screws cup point
14	1	3mm hexagonal key
15	2	AISI 302 stainless steel rings
16	4	M8x30 exagon head screws
17	4	M8 square nuts

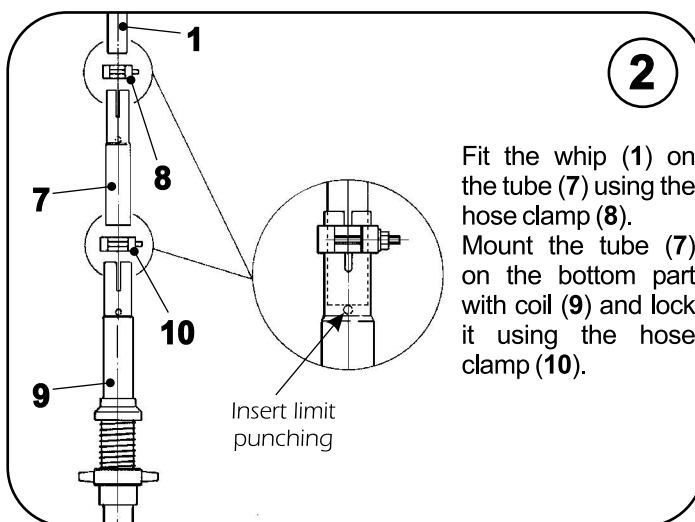
MOUNTING INSTRUCTIONS

Pull out the sections of telescopic aluminium whip (1) and lock they using the screws (2). Insert the top aluminium tube (3) at L (see tuning table for frequency) and lock it using the screw (4) and 2 mm hexagonal key (5). Mount the PVC cap (6).

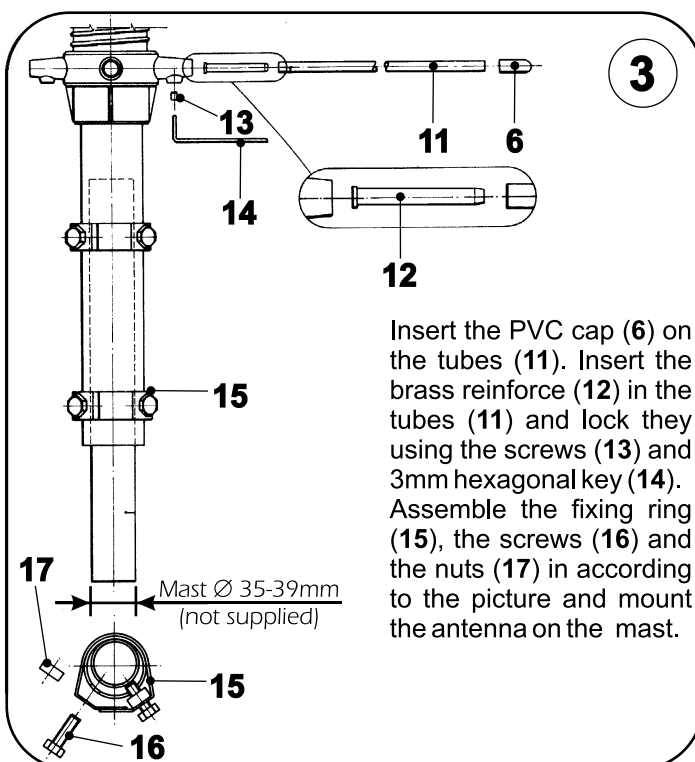
NOTE: Use the table just as a guide. For fine-tuning please use an SWR-meter



1



2



3



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