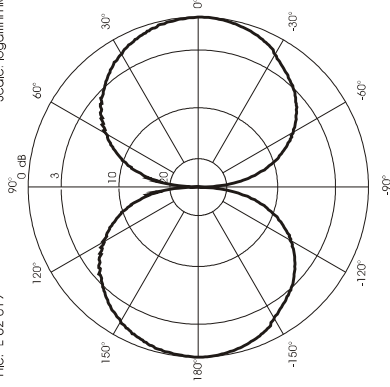


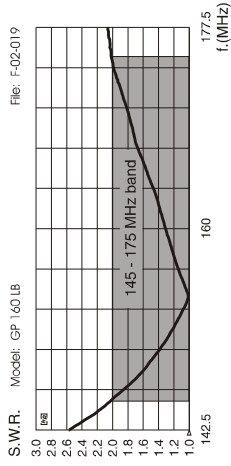
GP 160 LB

VHF Base Station Antenna 145-175 MHz

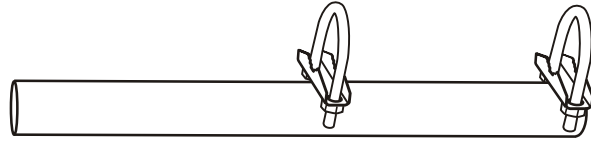
TYPICAL RADIATION PATTERN in E-plane at 160 MHz
File: E-02-019
Scale: logarithmic



TYPICAL S.W.R. RESPONSE

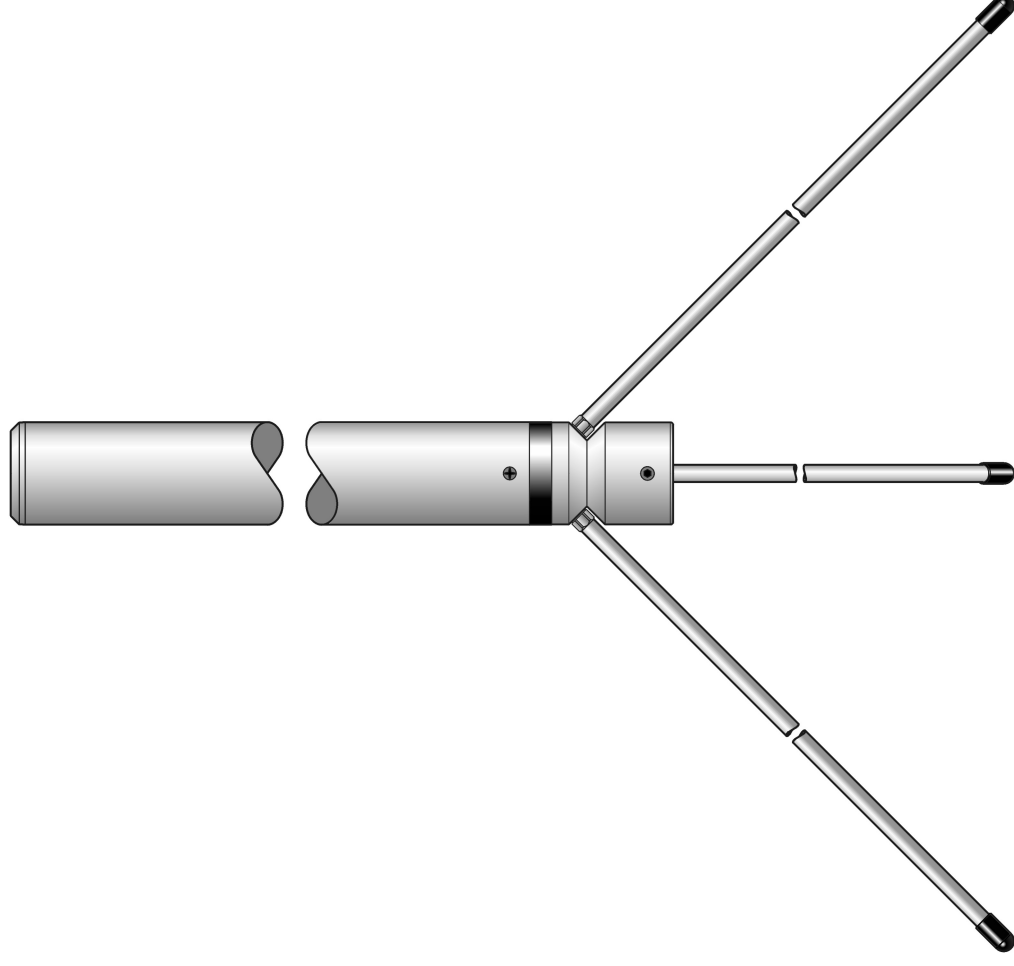


OPTIONAL FT-2 FIXING BRACKET



Type : Side Mast Fixing Bracket
Top Size : Ø 38 mm for antenna fitting
Bottom Size : Ø 42/50 mm for fitting on the mast
Weight (approx.) : 900 gr
Material : Galvanized Steel

P/N 2510004.00 FT-2 Universal



HI-QUALITY ANTENNAS MADE IN ITALY

Installation Manual

DESCRIPTION

1/4 λ wide-band antenna for base station service covering the frequency range of 145-175 MHz. It as been developped according to the most modern technologies to assure a perfect protection against the worst atmospheric climates and to get the best performance. It is entirely made of aluminium to assure strength and robustness and its radial whip is earthed. Its 30 MHz bandwidth makes it particularly recommended for relay stations or two-party systems.

SPECIFICATIONS

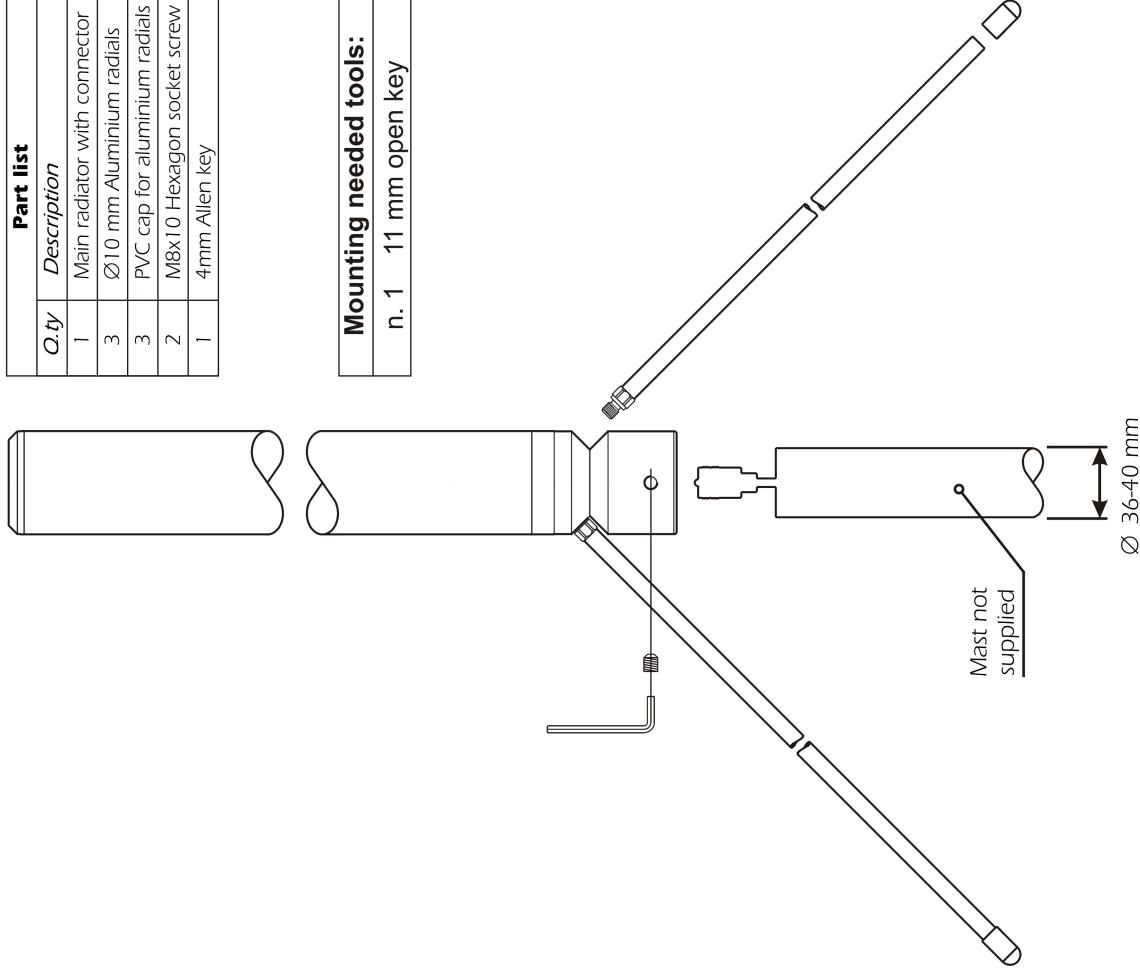
Electrical Data

Type	: 1/4 λ Ground Plane Large Band
Frequency Range	: 145-175 MHz @ SWR $\leq$ 2
Impedance	: 50 Ω
Radiation (H-plane)	: 360° omnidirectional
Radiation (E-plane)	: Beamwidth @ -3 dB = 78°
Radiation Angle	: 0°
Polarization	: Linear Vertical
Gain	: 0 dBd - 2.15dBi
Max Power (CW) @ 30° C	: 1000 Watts
Grounding Protection	: All metal parts are DC-grounded, the inner conductor shows a DC-short
Connector type	: UHF Female with gold plated central pin
GP 160 LB - U	: N Female with gold plated central pin and PTFE insulator
GP 160 LB - N	

Mechanical Data

Material	: Anodized Aluminium, Nylon, Stainless Steel
Wind Load / Resistance	: 43N @ 150 Km/h / 160 Km/h
Wind Surface	: 0.04 m ²
Height (approx.)	: 700 mm
Weight (approx.)	: 1150 gr
Radial Length (approx.)	: 520 mm
Mounting Mast	: $\varnothing$ 36-40 mm

MOUNTING INSTRUCTIONS



Part list	
Q.ty	Description
1	Main radiator with connector
3	$\varnothing$ 10 mm Aluminium radials
3	PVC cap for aluminium radials
2	M8x10 Hexagon socket screw
1	4mm Allen key

Mounting needed tools:	
n. 1	11 mm open key