

5/8 λ Ground-Plane Base Station and Marine Antenna for the 2 m Band

DESCRIPTION

- The antenna is tunable (by cutting the radiator) within the frequency band 145...175 MHz.
- GP 160 5/8 is a very sturdy construction which can stand mounting under extreme conditions. It is well suited for mounting on fishing vessels etc. and a good choice for base stations in the land mobile field.
- GP 160 5/8 is a 1 dBd, vertically polarised omnidirectional base station and marine antenna.
- The antenna is delivered adjusted to 145 MHz unless otherwise specified. It may, however, be delivered preadjusted for the maritime VHF band provided this is stated on the purchase order.
- GP 160 5/8 is DC-grounded and antistatically protected as all metal parts are ground-connected. Consequently, the antenna shows a DC-short across the coaxial cable.
- The materials used are glass fibre and chromed brass.

SPECIFICATIONS

Electrical	
Model	GP 160 5/8
Frequency	Tunable by cutting within: 145-175 MHz
Antenna Type	Ground-plane
Max. Input Power	500 W
Polarisation	Vertical
Pattern Type	Omnidirectional
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	1 dBd (3.2 dBi)
Bandwidth	6 MHz (SWR = 2.0)
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)

Mechanical	
Connection(s)	UHF female (fitting PL 259)
Materials	Shroud : Polyurethane-coated glass fibre Metal parts: Bright chromed brass
Colour	White/bright chrome
Wind Area	0.028 sq. m / 0.30 sq. ft
Wind Load	35 N (160km/h)
Dia. At Top End	5 mm / 0.20 in.
Dia. At Bottom End	8 mm / 0.31 in.
Height	1340 mm / 52.76 in.
Weight	1.3 kg / 2.87 lb
Mounting	On 27 mm dia. mast tube

Environmental	
Operating Temperature Range	-30°C to +70°C

ORDERING

Type	Product No.
GP 160 5/8	100000108

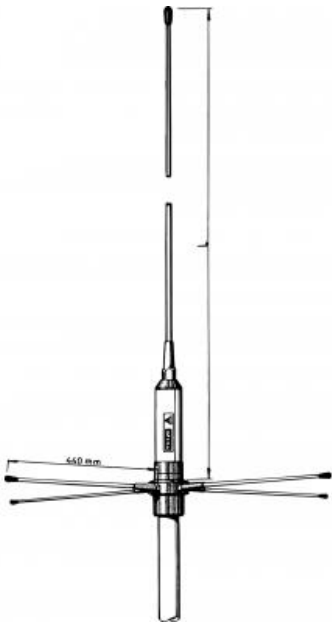


DIAGRAM
CUTTING DIAGRAM

