

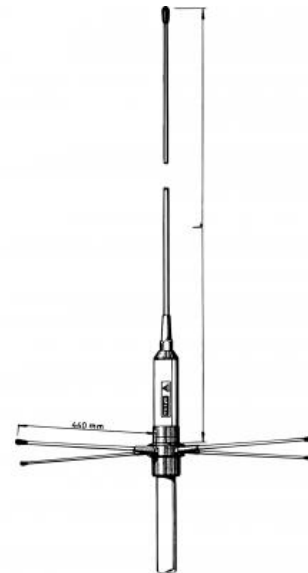
## $\frac{5}{8} \lambda$ Ground-Plane Base Station and Marine Antenna for the 2 m Band

### 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

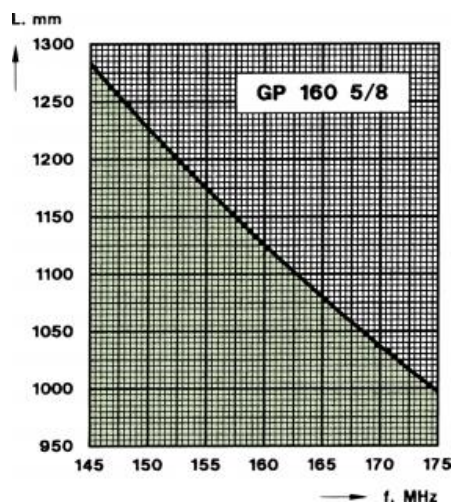
Electrical	
Model	GP 160 5/8
Frequency	Tunable by cutting within: 145 - 175 MHz
Antenna Type	Ground-plane
Max. Input Power	500 W
Polarisation	Vertical
Pattern Type	Omnidirectional
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 $\Omega$
Gain	1 dBd (3.2 dBi)
Bandwidth	5 - 6 MHz dep. of the cf. freq. (VSWR $\leq$ 2)
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
Mechanical	
Connection(s)	UHF(f) (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 (160 km/h)
Dia. At Top End	5 mm / 0.20 in.
Dia. At Bottom End	8 mm / 0.31 in.
Height	Approx. 1340 mm / 52.76 in.
Weight	Approx. 1.3 kg / 2.87 lb.
Mounting	On 27 mm dia. mast tube ( $\frac{3}{4}$ " water pipe)
Environmental	
Operating temperature range	-30 °C to +70 °C



### ORDERING

Model	Product No.
GP 160 5/8	100000108

### CUTTING DIAGRAM



### PLEASE NOTE

The length of the radiator is measured from the upper edge of the head, right above the mounting point of the radials, to the top end of the antenna element. The radials should not be cut.

