

# GP 160 5/8

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



### DESCRIPTION:

- ★ GP 160 5/8 is a 3 dBd, vertically polarised omnidirectional marine and base station antenna.
- ★ 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.
- ★ 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 glassfiber and chromed brass.

### SPECIFICATIONS:

ELECTRICAL	
MODEL	GP 160 5/8
ANTENNA TYPE	5/8 $\lambda$ ground-plane
FREQUENCY	Tunable by cutting within: 145...175 MHz
IMPEDANCE	Nom. 50 $\Omega$
RADIATION	Omnidirectional
POLARISATION	Vertical
GAIN	5 dBi (3 dBd)
BANDWIDTH	6 MHz (SWR $\leq$ 2.0)
SWR	$\leq$ 1.2 at f. res.
MAX. POWER	500 watt
ANTISTATIC PROTECTION	All metal parts DC-grounded (Connector shows a DC-short)
MECHANICAL	
TEMP. RANGE	-30° C i +70° C
CONNECTOR	UHF -female (fitting PL-259)
WIND SURFACE	0.028 m <sup>2</sup>
WIND LOAD	31 N (at 150 km/h)
COLOUR	White/bright chrome
MATERIALS	Elements : Glassfiber Metal parts : Bright chromed brass
TOTAL HEIGHT	Approx. 1.34 m
DIA. IN TOP END	5 mm
DIA. IN BOTTOM END	8 mm
WEIGHT	Approx. 1.3 kg
MOUNTING	On 27 mm dia. mast tube (3/4" water pipe)

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 whip. The radials should not be cut.

### CUTTING DIAGRAM:

