

## ¼ λ Ground-Plane Antenna for the 27 MHz Band or for Frequencies within 27...45 MHz

### DESCRIPTION

- GP 27 is a glass fibre ground-plane antenna of the triple-leg type.
- The antenna is delivered factory-tuned to 27 MHz – further adjustment is not necessary for this band.
- Tunable (by cutting) to frequencies within the range: 27...45 MHz.
- The antenna can be field-tuned following the cutting diagrams below as a guide and fine-tuning using an VSWR-meter.
- For a small cutting charge the antenna may also be supplied factory-tuned. In this case, please state centre frequency.
- GP 27 is made of first class materials and will endure rough climates for years – no maintenance required
- LW-SS-1" mounting bracket and GP Adaptor is available as accessories.

The radiator is measured from its free end to the bottom of the black insulator, while the radials are measured from their free ends to where they meet the GP-head.



### SPECIFICATIONS

Electrical	
Model	GP 27
Frequency	Tunable by cutting within : 27 - 45 MHz
Antenna Type	Ground-plane
Max. Input Power	1000 W
Polarisation	Vertical
Pattern Type	Omnidirectional
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	< 1.3:1 @ f. res.
Bandwidth	1.0 MHz @ 27 MHz (VSWR < 1.5) 1.5 MHz @ 45 MHz (VSWR < 1.5)

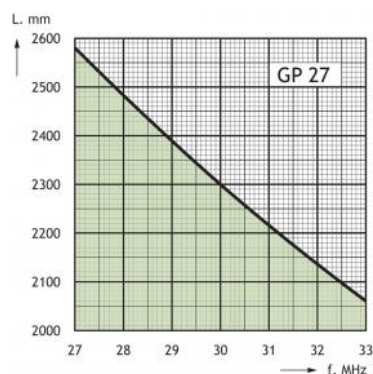
Mechanical	
Connection(s)	UHF(f) (fitting PL 259)
Materials	Elements : Glass fibre Metal parts : Bright chromed brass
Colour	White (RAL 9003) / Bright chrome
Wind Area	0.062 sq. m / 0.67 sq. ft
Wind Load	78 N (160 km/h)
Height	Approx. 4500 mm / 177.17 in.
Weight	Approx. 1.7 kg / 3.75 lb.
Mounting	38 mm dia. mast tube (42 mm dia. as option, see note)

Environmental	
Operating temperature range	-30 °C to +70 °C

### ORDERING

Model	Product No.
GP 27	100000162
GP 27/42 mm	100000163
Accessories	
LW-SS-1"	110000394
GP Adaptor	100000679

### CUTTING DIAGRAMS



### PLEASE NOTE

The GP 27 can be delivered with a GP-head for mounting on 42 mm dia. mast tube (standard is 38 mm) when ordering as option GP 27/42 mm.

