

# GP 80/160

1/4 λ Glassfiber Ground-Plane Antenna  
for the 80 MHz and 160 MHz Bands

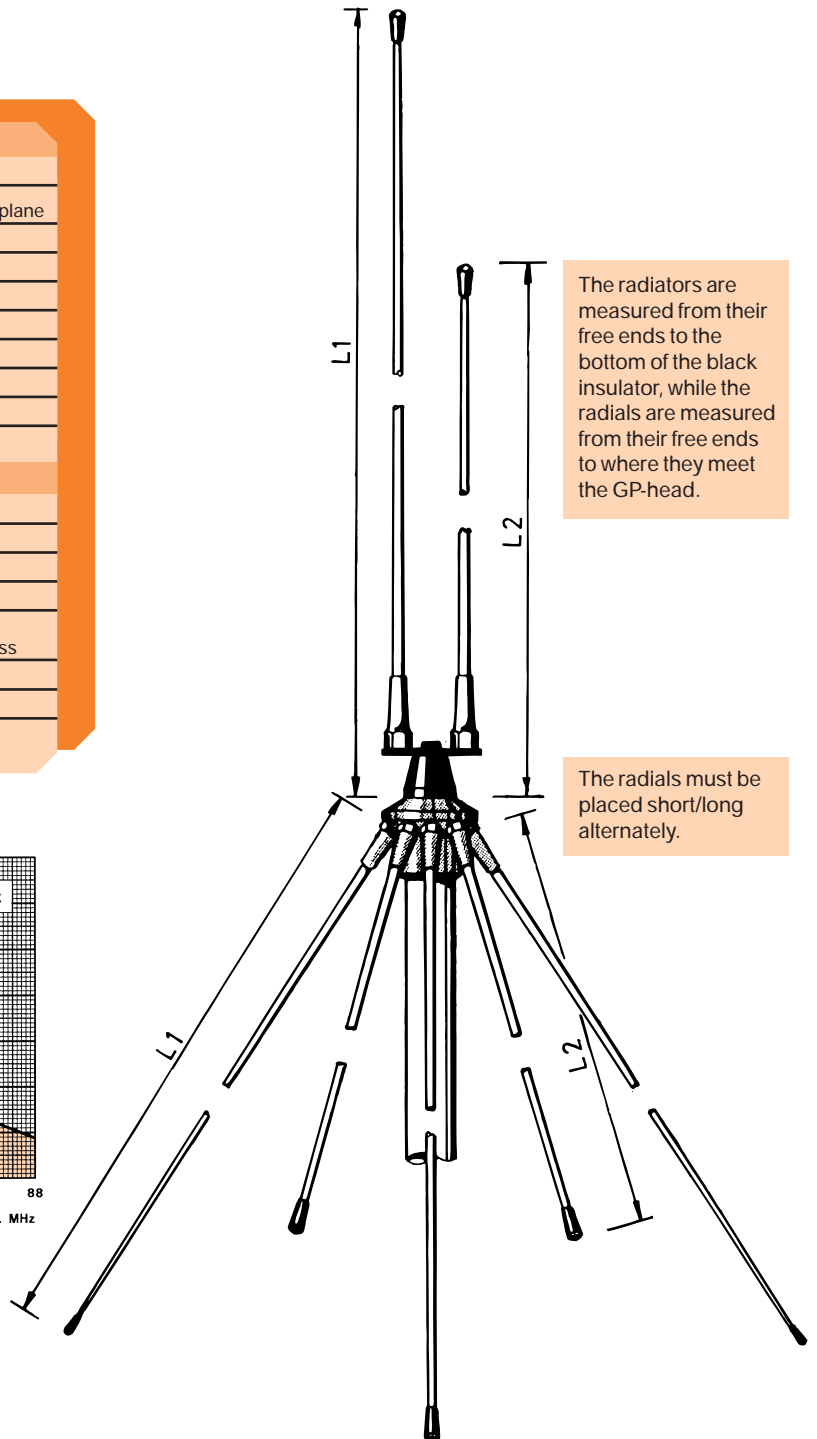


## DESCRIPTION:

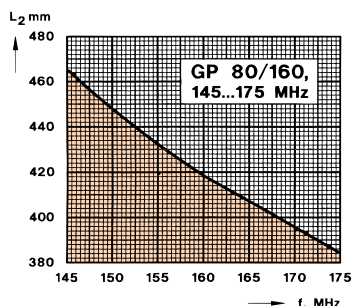
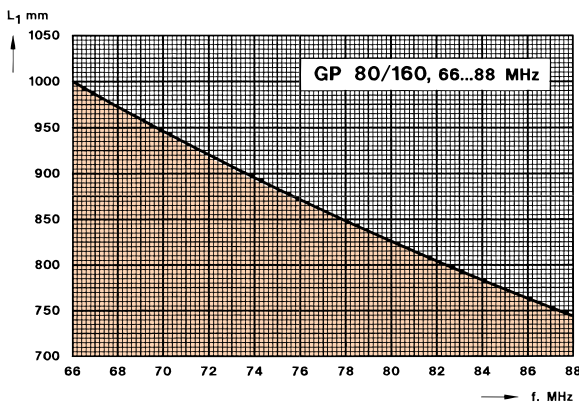
- ★ GP 80/160 is a dual-band glassfiber ground-plane antenna of the triple-leg type.
- ★ The antenna is tunable (by cutting) within its main frequency bands:  
66...88 MHz/145...175 MHz.
- ★ The cutting diagrams below indicate the length of the radiators and the radials corresponding to specific frequencies within the two bands. It is recommended to use the curves as a guide and fine-tune using an SWR-meter.
- ★ The antenna comprises a brass GP-head, two glassfiber radiators and six glassfiber radials.
- ★ GP 80/160 is made of first-class materials and will endure "wear and tear" for years – no maintenance required.

## SPECIFICATIONS:

ELECTRICAL	
MODEL	GP 80/160
ANTENNA TYPE	Dual-band 1/4 λ full-size ground-plane
FREQUENCY	66...88 MHz/145...175 MHz
IMPEDANCE	Nom. 50 Ω
RADIATION	Omnidirectional
POLARISATION	Vertical
GAIN	2 dBi 0 dBd on both bands
BANDWIDTH	Approx. 5 MHz on both bands
SWR	≤ 1.2 at f. res.
MAX. POWER	250 W
MECHANICAL	
CONNECTOR	N-female
WIND SURFACE	Approx. 0.05 m <sup>2</sup>
WIND LOAD	55 N at 150 km/h
COLOUR	White/bright chrome
MATERIALS	Elements : Glassfiber Metal parts : Bright chromed brass
TOTAL HEIGHT	1.8 m
WEIGHT	Approx. 1.5 kg
MOUNTING	38 mm dia. mast tube (42 mm dia. as option, see note)



## CUTTING DIAGRAMS:



## PLEASE NOTE:

The GP 80/160 can be delivered with a GP-head for mounting on 42 mm dia. mast tubes (standard is 38 mm) when ordering as option GP 80/160/42 mm.

PROCOM A/S reserve the right to amend specifications without prior notice.