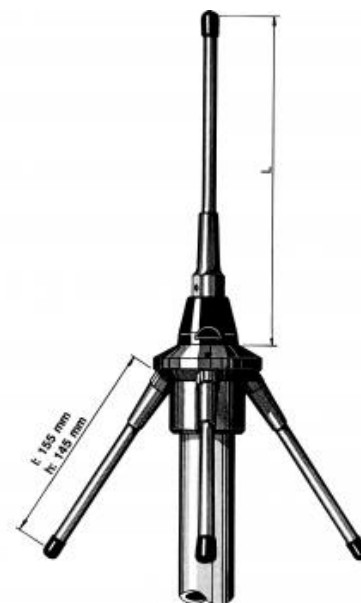


## ¼ λ Ground-Plane Antenna for the 450 MHz Band

### DESCRIPTION

- GP 450/... is a ground-plane antenna of the triple-leg type.
- The antenna is delivered in two models tunable over the ranges 380...430 MHz (l) and 420...470 MHz (h), respectively, by adjusting the length of the radiator.
- The cutting diagram on the diagrams tab indicates how long the radiator must be corresponding to a specific centre frequency. The radiator is measured from its free end (excl. top knob) to the bottom of the black insulator. Do not cut the radials – they should be left untouched.
- GP 450/... comprises a GP-head, one radiator and threeradials – all made of chromed brass.
- GP 450/... is made of first-class materials and will endure "wear and tear" for years – no maintenance required.
- LW-SS-1" mounting bracket and GP Adaptor is available as accessories.



### SPECIFICATIONS

| Electrical              |  |
|-------------------------|--|
| Model                   | GP 450/...                             |
| Frequency               | l : 380 - 430 MHz<br>h : 420 - 470 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)                        |
| Bandwidth               | 40 MHz @ VSWR 2.0                      |

| Mechanical       |   |
|------------------|---|
| Connection(s)    | UHF(f) (fitting PL 259)                               |
| Materials        | Chromed brass. Weather- and shockproof plastics       |
| Colour           | Metallic Silver                                       |
| Wind Area        | 0.0128 sq. m / 0.14 sq. ft                            |
| Wind Load        | 16 N (160 km/h)                                       |
| Height           | Approx. 340 mm / 13.39 in.                            |
| Weight           | Approx. 0.9 kg / 1.98 lb.                             |
| Element Diameter | 8 mm / 0.31 in.                                       |
| 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. | Frequency                    |
|----------------|-------------|------------------------------|
| GP 450/l       | 100000128   | Tunable within 380 - 430 MHz |
| GP 450/h       | 100000129   | Tunable within 420 - 470 MHz |
| GP 450/l-42 mm | 100000130   | Same as above                |
| GP 450/h-42 mm | 100000133   | Same as above                |
| Accessories    |             |                              |
| GP Adaptor     | 100000679   |                              |
| LW-SS-1"       | 110000394   |                              |

### CUTTING DIAGRAM

