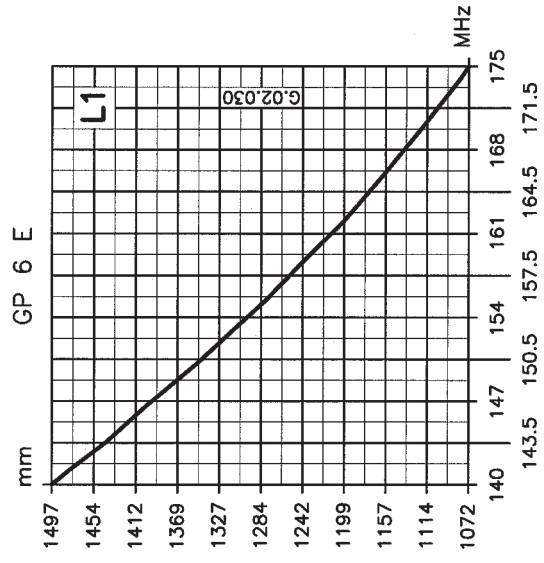
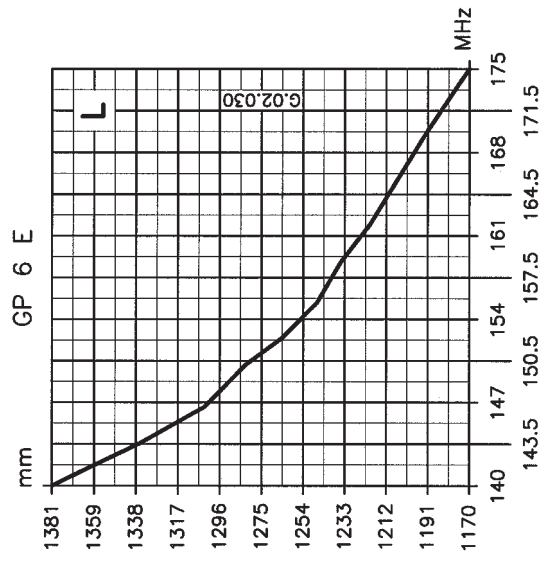


## TYPICAL TUNING DIAGRAMS



## Model GP 6-E

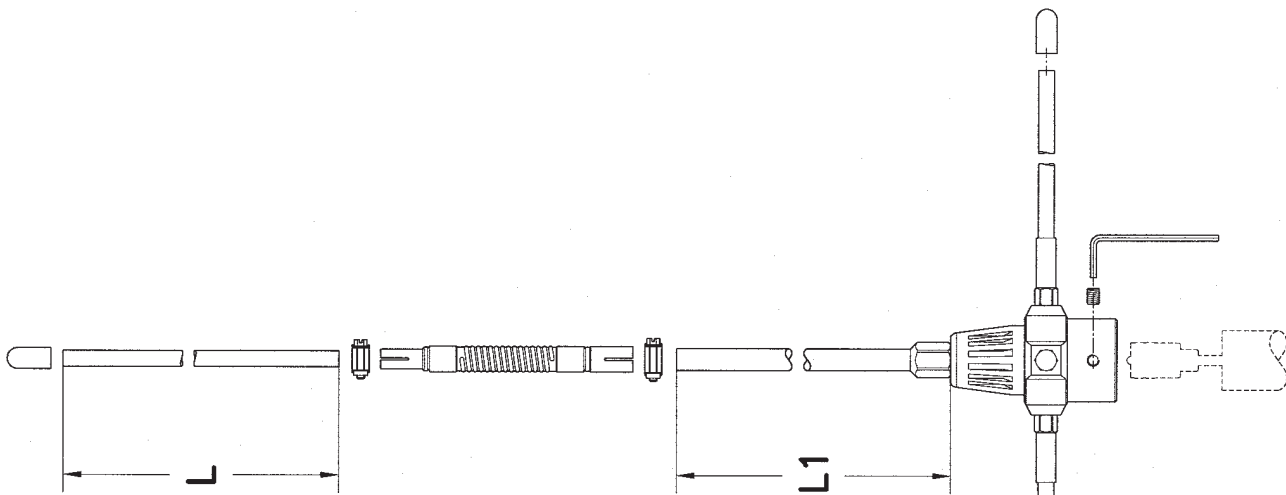
VHF Base Station Antenna 140-175 MHz



### NOTE:

- It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.

## MOUNTING INSTRUCTIONS



## DESCRIPTION

2x5/8 λ Ground Plane base station colinear antenna for land and marine service. It works on the frequency range of 140-175 MHz by using the cutting diagram enclosed. The matching coil is DC feeded for a perfect protection from the static discharges. GP 6-E is made of non-corrosive aluminium and assembled on a very strong base of die-cast metal to get the maximum robustness and the best performance. Tuning is easy by following the attached directions.

## SPECIFICATIONS

- Electrical Data**
- Type : 2x5/8 λ Colinear Ground Plane
  - Frequency Range : 140-175 MHz tunable by cutting
  - Impedance : 50 Ω Unbalanced
  - Radiation (H-plane) : 360° Omnidirectional
  - Radiation (E-plane) : Beamwidth at -3 dB = 30°
  - Radiation angle deg. : 3,6°
  - Polarization : Vertical
  - Gain : 3.8 dBd - 5.95 dBi
  - Bandwidth at V.S.W.R. 2:1 : 5.2 MHz at 140 MHz
  - V.S.W.R. at res. freq. : ≤ 1.2 : 1 at 140 MHz
  - Max Power : 200 Watts
  - Feed System / Position : Transformer DC-Ground / Base
  - Connection : UHF Female

- Mechanical Data**
- Materials : Aluminium, Chromed Brass, Nylon
  - Wind Load / Resistance : 46 N at 150 Km/h / 120 Km/h
  - Wind Surface : 0.04 m<sup>2</sup>
  - Height (approx.) : 3060 mm
  - Weight (approx.) : 750 gr
  - Mounting Mast : Ø 25-30 mm

