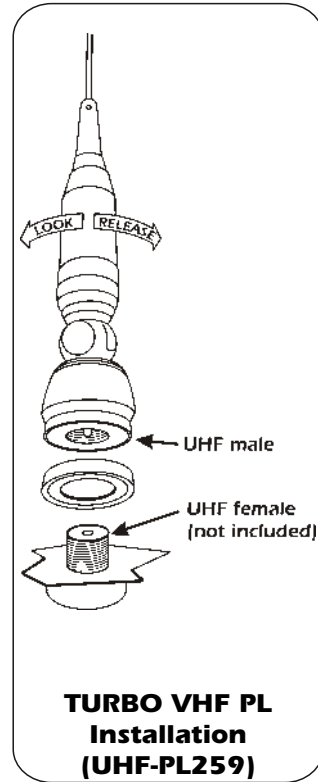
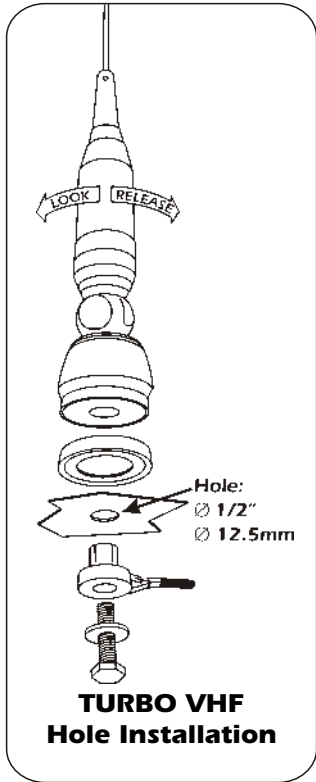


## MOUNTING INSTRUCTIONS



## ALTERNATIVE MOUNT TYPE



### MAG 125 PL:

Frequency Range: from DC to 500 MHz  
Overall Size:  $\varnothing 127\text{ mm}$   
Materials: Chromed Brass, Nylon, Rubber  
Cable: 3.6 m RG 58 / PL 259 R male  
Antenna connection: UHF-female

**P/N 2502602.05 MAG 125 PL**



HI-QUALITY ANTENNAS MADE IN ITALY

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## TURBO VHF 45/135 Blue Line

Dual band VHF Mobile Antenna 45...60 & 135...175 MHz



*Installation Manual*

## DESCRIPTION

Dual band VHF vehicular antenna working on 45...60 MHz and 135...175 MHz by means of the enclosed cutting diagram. The whip is made of 17/7 PH tapered stainless steel and its joint of chromed brass allows the radiator to be tilted without tools. TURBO VHF 45/135 is standardly supplied with 4m cable for hole installation but it can be supplied with UHF-PL259 base connection for the fitting on magnetic mounts or SO239 connectors.

## SPECIFICATIONS

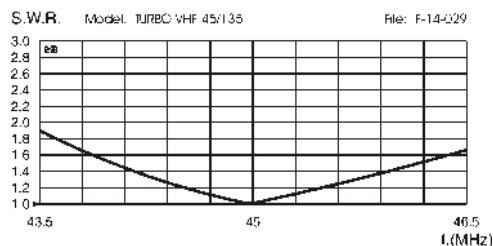
### Electrical Data

|                       |   |
|-----------------------|---|
| Type                  | : 1/4 Base Loaded for 45...60 MHz band                                  |
|                       | : 5/8 for 135...175 MHz band  |
| Frequency Range       | : tunable 45...60 MHz & 135...175 MHz                                   |
| Impedance             | : 50  |
| Radiation             | : 360° Omnidirectional  |
| Polarization          | : Linear Vertical   |
| Gain                  | : 0 dB ref. to a 1/4 whip for 45...60 MHz band                          |
|                       | : 2 dB ref. to a 1/4 whip for 135...175 MHz band                        |
| Bandwidth @ SWR 1.5   | : 2.1 MHz @ 45 MHz  |
|                       | : 3.4 MHz @ 135 MHz   |
| SWR @ res. freq.      | : 1.2 both bands  |
| Max Power (CW) @ 30°C | : 150 Watts both bands  |
| Grounding protection  | : All metal parts are DC-grounded, the inner conductor shows a DC-short |
| Mounting              | : TURBO VHF 45/135 hole 12.5mm  |
|                       | : TURBO VHF 45/135 PL UHF-male (PL 259)                                 |
| Cable length / Type   | : TURBO VHF 45/135 4 m / RG 58  |
|                       | : TURBO VHF 45/135 PL Not supplied                                      |

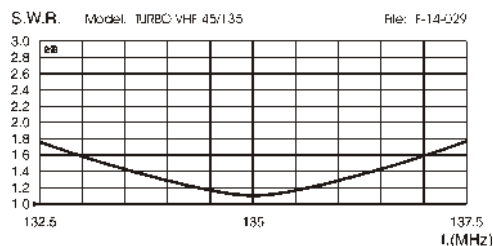
### Mechanical Data

|                  |   |
|------------------|---|
| Materials        | : Stainless Steel 17/7 PH, Nylon, Chromed Brass |
| Height (approx.) | : 1505 mm                                       |
| Weight (approx.) | : 540 gr  |

TYPICAL S.W.R. RESPONSE

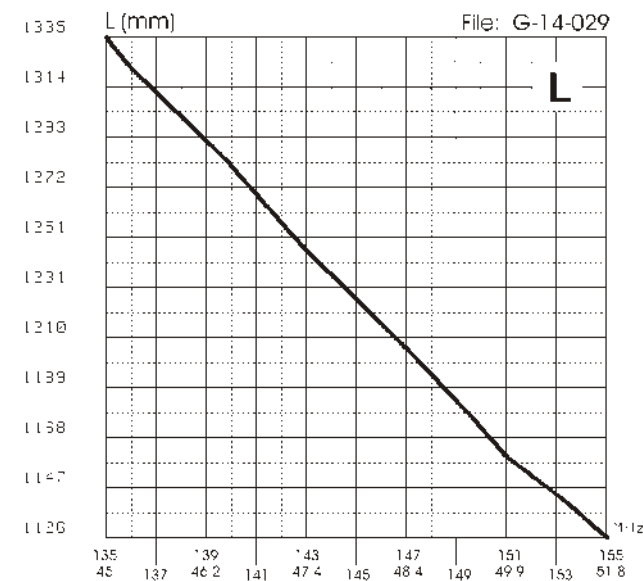


TYPICAL S.W.R. RESPONSE

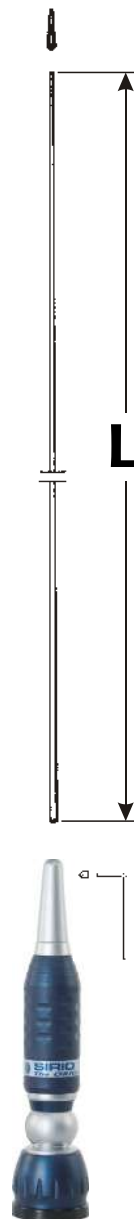
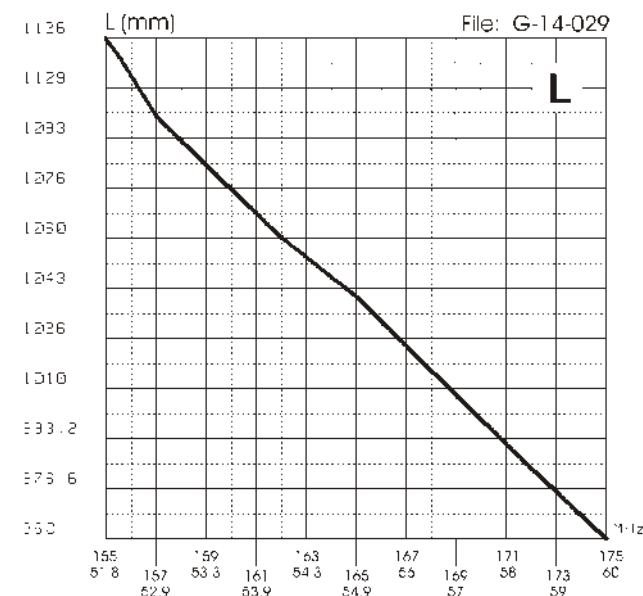


## TUNING INSTRUCTIONS

### TYPICAL TUNING DIAGRAM vs FREQUENCY



### TYPICAL TUNING DIAGRAM vs FREQUENCY



### NOTE:

- Use the curves just as a guide. For fine-tuning please use an SWR-Meter.