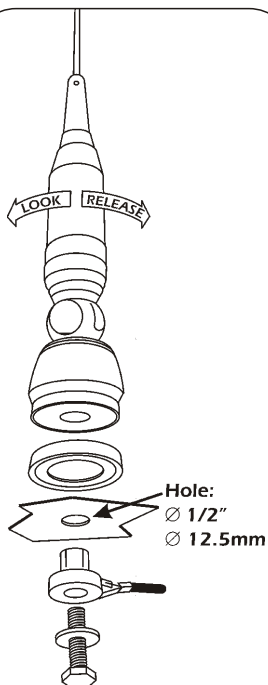


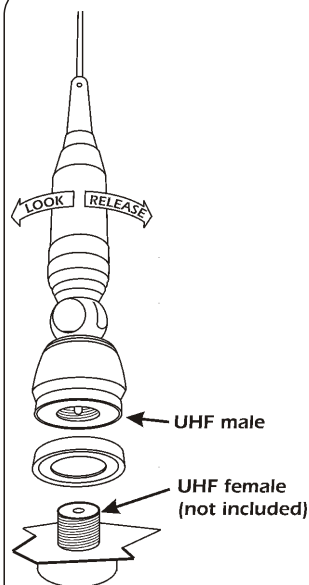
## MOUNTING INSTRUCTIONS



**TURBO VHF  
Hole Installation**



**Inclination  
System  
(no tool required)**



**TURBO VHF PL  
Installation  
(UHF-PL259)**

## ALTERNATIVE MOUNT TYPE



### **MAG 125 PL:**

Frequency Range: from DC to 500 MHz  
Overall Size: Ø 127 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

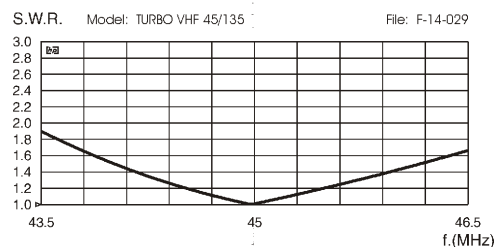
### Electrical Data

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 $\lambda/4$ whip for 45...60 MHz band
	: 2 dB ref. to a $\lambda/4$ 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

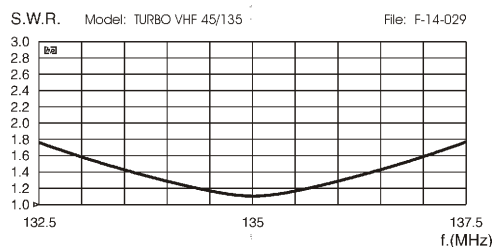
### Mechanical Data

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

TYPICAL S.W.R. RESPONSE

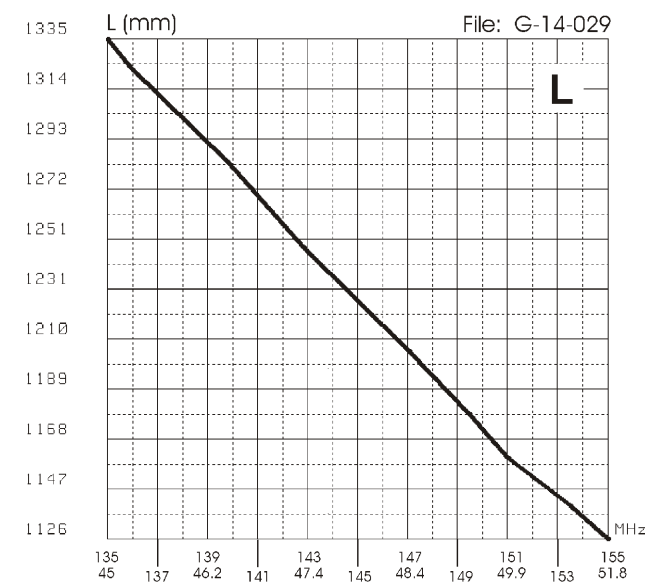


TYPICAL S.W.R. RESPONSE

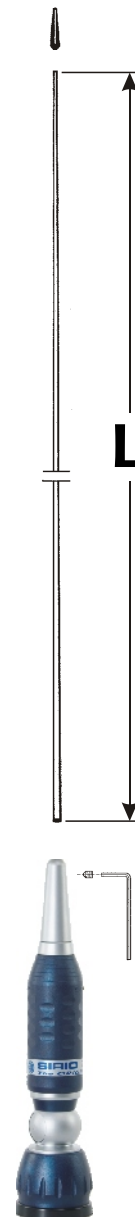
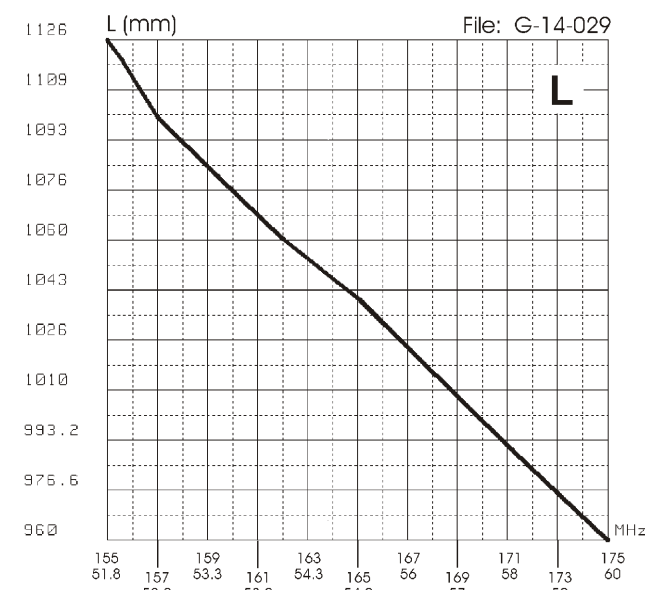


## TUNING INSTRUCTIONS

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.