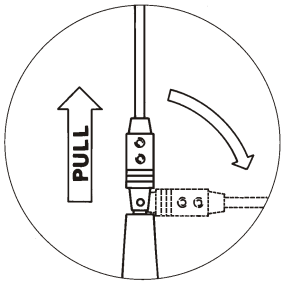
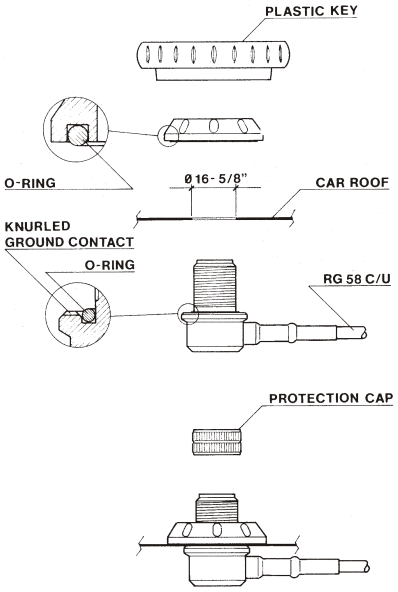


TILTING

TILTING: all SIRIO HP Antennas have an inclination system that allows the 90° tilting without use keys or special tools.

ALTERNATIVE MOUNT TYPE



HP-AC/U angular connector:
Frequency Range: from DC to 500 MHz
Overall Size: Ø 41 mm
Mounting Hole: Ø 16 mm
Materials: Brass nichel plated, PTFE insulator, Gold plated pin
Cable: 5m RG 58 C/U MIL-C-17F / FME-female
Adaptor: FME-male/ UHF-male (PL259)
Antenna connection: UHF-female

P/N 2510805.00 HP-AC/U

SIRIO antenne HI-QUALITY ANTENNAS MADE IN ITALY

HP 140-175

VHF Mobile Antenna 140-175 MHz

Installation Manual

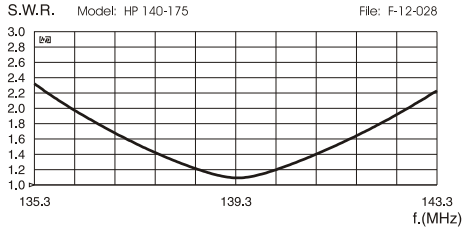
DESCRIPTION

VHF vehicular antenna working on 139.3-175 MHz by means of the enclosed cutting diagram. It is made with the very best materials to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, is very flexible and incorporate a custom inclination system that allows it to be tilted to 90° without using keys or tools. Also a particular attention has been paid to the UHF-male antenna connector with a goldplated center pin, a PTFE insulator and a silicone rubber gasket for a perfect waterproofing.

SPECIFICATIONS

Electrical Data	**HP 140-175**
Type	5/8 λ
Frequency Range	tunable from 139.3 to 175 MHz
Impedance	50 Ω
Radiation (H-plane)	360° Omnidirectional
Polarization	Linear Vertical
Gain	1.5 dB ref. to λ/4 whip
SWR @ res. freq.	≤ 1.2 @ 139.3 MHz
Bandwidth @ SWR ≤ 2	≥ 6.6MHz @ 139.3 MHz
Max Power (CW) @30°C	150 Watts
Grounding Protection	All metal parts are DC-grounded, inner conductor is coupled capacitively
Connector	UHF-male (PL 259)
Mechanical Data	
Materials	Stainless steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	1435 mm
Weight (approx.)	320 gr

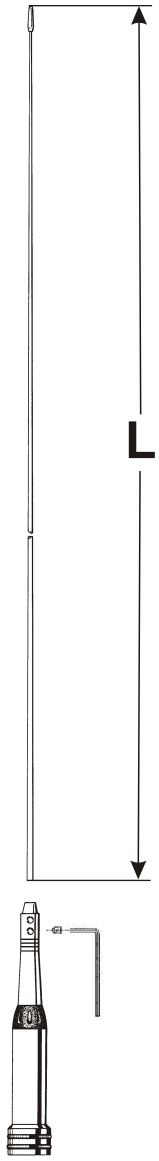
TYPICAL S.W.R. RESPONSE



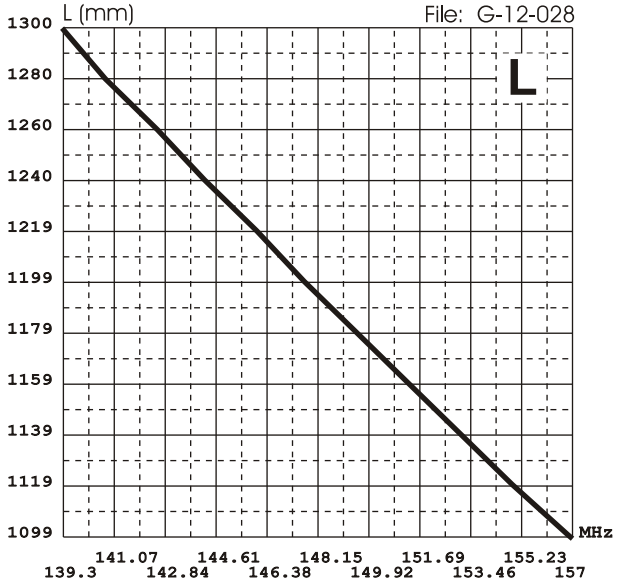
SIRIO antenne

HI-QUALITY ANTENNAS MADE IN ITALY

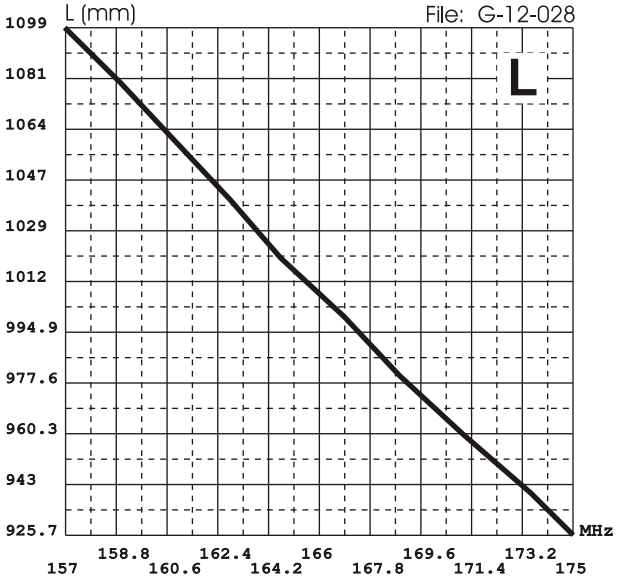
TUNING INSTRUCTIONS



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.