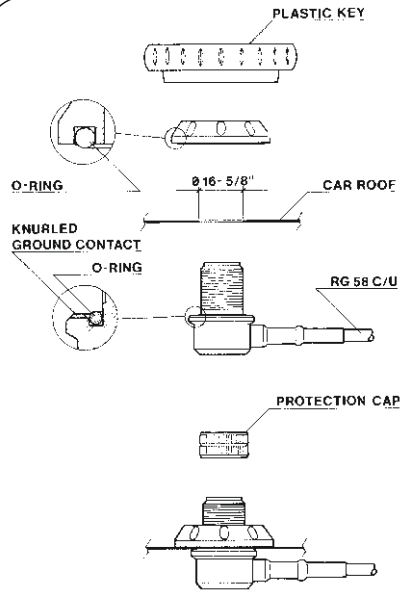


## ALTERNATIVE MOUNT TYPE



### HP-AC/U angular connector:

Frequency Range: from DC to 500 MHz

Overall Size:  $\varnothing 41$  mm

Mounting Hole:  $\varnothing 16$  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**



## HP 2070

136-174 MHz,

## HP 2070 R

Dual Band Mobile Antennas 2 m / 70 cm Bands

## HP 2070 H



HP 2070



HP 2070 R



HP 2070 H

 **SIRIO**  
antenne

HI-QUALITY ANTENNAS MADE IN ITALY

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*Installation Manual*

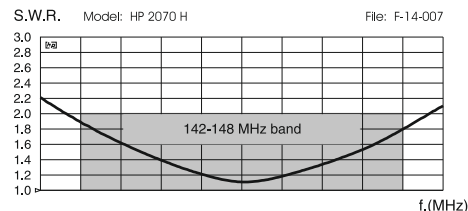
## DESCRIPTION

Dual-band vehicular antenna working on 2m and 70 cm bands. The very best materials have been used to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, has an inclination system that allows the 90° tilting without using keys or tools. Also a particular attention has been paid to the UHF-male connector with a gold plated center pin, PTFE insulator and silicone rubber gasket for a perfect waterproofing.

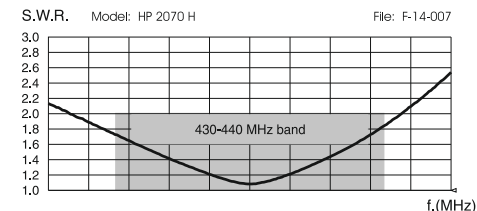
## SPECIFICATIONS

Electrical Data	HP 2070	HP 2070 R	HP 2070 H
Type	VHF: 1/4 $\lambda$ UHF: 5/8 $\lambda$	VHF: 1/2 $\lambda$ UHF: 2 x 5/8 $\lambda$ Colinear	VHF: 1/2 $\lambda$ UHF: 2 x 5/8 $\lambda$ Colinear
Frequency Range @ SWR $\leq$ 2	VHF: 136 - 174 MHz UHF: 422-447 MHz	VHF: 136 - 174 MHz UHF: 430 - 440 MHz	VHF: 136 - 174 MHz UHF: 430 - 440 MHz
Impedance	50 $\Omega$		
Radiation (H-plane)	360° Omnidirectional		
Polarization	Linear Vertical		
Gain	VHF: 0 dB, UHF: 2 dB ref. to $\lambda/4$ whip	VHF: 0.6 dB, UHF: 4.6 dB ref. to $\lambda/4$ whip	VHF: 0.7 dB, UHF: 4.4 dB ref. to $\lambda/4$ whip
Max Power (CW) @30°C	VHF: 150 Watts UHF: 100 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.)	270 gr	300 gr	330 gr
Weight (approx.)	445 mm	1000 mm	1080 mm

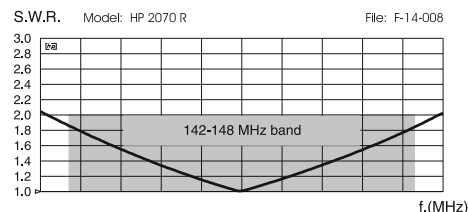
TYPICAL S.W.R. RESPONSE



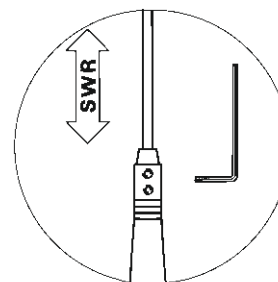
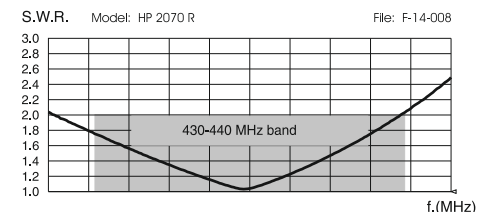
TYPICAL S.W.R. RESPONSE



TYPICAL S.W.R. RESPONSE



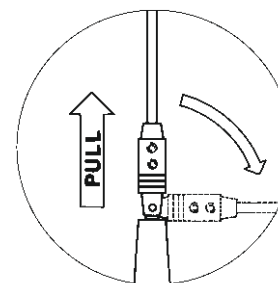
TYPICAL S.W.R. RESPONSE



ADJUSTMENT

**ADJUSTMENT:** all SIRIO HP Antennas are factory adjusted and no additional tuning is usually required. However, if the center frequency needs to be changed, please follow these simple directions:

1. Release the allen-screws on the whip using the supplied key
2. Move the whip in or out as needed to obtain a low SWR at your preferred frequency rang.
3. After tuning, re-tighten the allen-screws to lock the whip.



TILTING

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



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