

**HP 2070 HP 2070 R HP 2070 H**  
**136-174 MHz, Dual Band Mobile Antennas 2 m / 70 cm Bands**



**HP 2070**



**HP 2070 R**



**HP 2070 H**



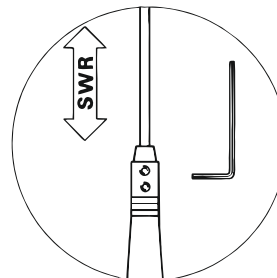
HI-QUALITY ANTENNAS MADE IN ITALY

## 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. Full power version available, **MOQ** required

## SPECIFICATIONS

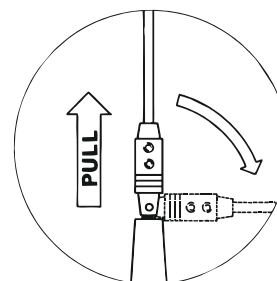
Electrical Data	HP 2070	HP 2070 R	HP 2070 H
Type	VHF: 1/4 $\lambda$ UHF: 5/8 $\lambda$	VHF: 1/2 $\lambda$ UHF: 2 x 5/8 $\lambda$ Colinear	VHF: 1/2 $\lambda$ UHF: 2 x 5/8 $\lambda$ Colinear
Frequency Range @ SWR $\leq$ 2	VHF: 136 - 174 MHz UHF: 422-447 MHz	VHF: 136 - 174 MHz UHF: 430 - 440 MHz	VHF: 136 - 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			
STANDARD	VHF: 150 Watts. UHF: 100 Watts	VHF: 70 Watts. UHF: 80 Watts	VHF: 70 Watts. UHF: 80 Watts
FULL POWER	/	VHF: 150 Watts. UHF: 100 Watts	VHF: 150 Watts. UHF: 100 Watts
Grounding Protection	All metal parts are DC-grounded, inner conductor is coupled capacitively		
Connector	UHF-male (PL 259)		
<b>Mechanical Data</b>			
Materials	Stainless steel 17/7 PH, Nylon, Chromed Brass		
Weight (approx.)	270 gr	300 gr	330 gr
Height (approx.)	445 mm	1000 mm	1080 mm
<b>p/n Standard</b>	<b>2210305.05</b>	<b>2210705.05</b>	<b>2210405.05</b>
<b>p/n Full Power</b>	<b>/</b>	<b>2210705.05/PW</b>	<b>2210405.05/PW</b>



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 allan-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 allan-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.



## 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

