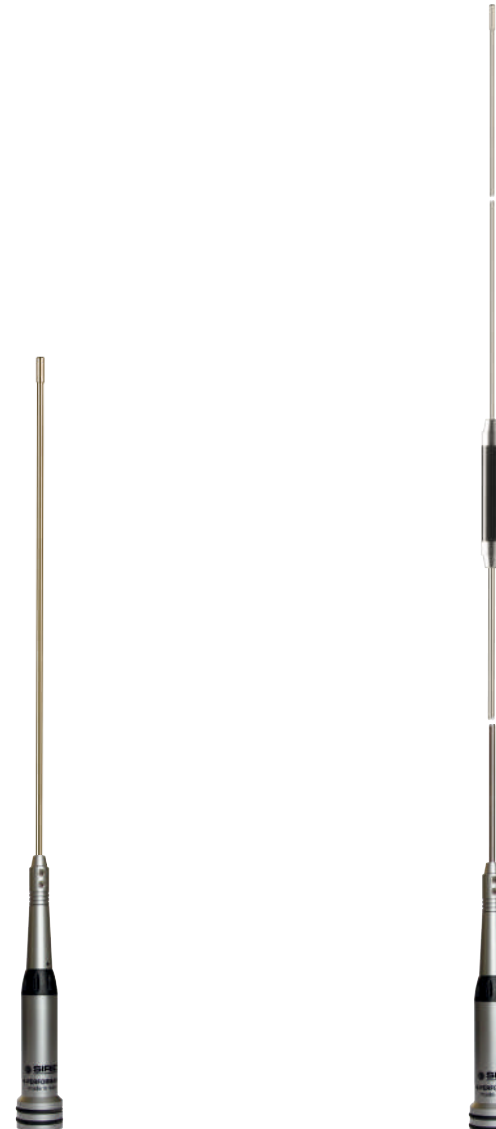


# HP 7000

# HP 7000 C

UHF 70cm Radioless Mobile Antennas



HP 7000

HP 7000 C



HI-QUALITY ANTENNAS MADE IN ITALY

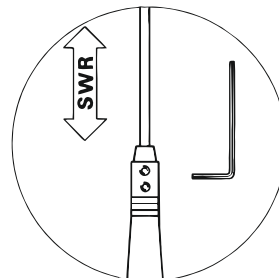
## Installation Manual

## DESCRIPTION

UHF radialless vehicular antenna working on 70cm band. 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

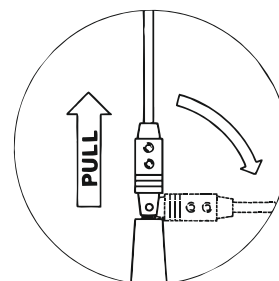
Electrical Data	HP 7000	HP 7000 USA	HP 7000 C	HP 7000 C USA
Type	5/8 $\lambda$		2 x 5/8 $\lambda$	
Frequency Range	426 - 442 MHz @ SWR $\leq$ 2	437 - 453 MHz @ SWR $\leq$ 2	429 - 440 MHz @ SWR $\leq$ 2	439 - 451 MHz @ SWR $\leq$ 2
Impedance	50 $\Omega$			
Radiation (H-plane)	360° Omnidirectional			
Polarization	Linear Vertical			
Gain	2 dB ref. to $\lambda/4$ whip		5 dB ref. to $\lambda/4$ whip	
Max Power (CW) @30°C	80 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.)	435 mm		990 mm	
Weight (approx.)	250 gr		320 gr	



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.

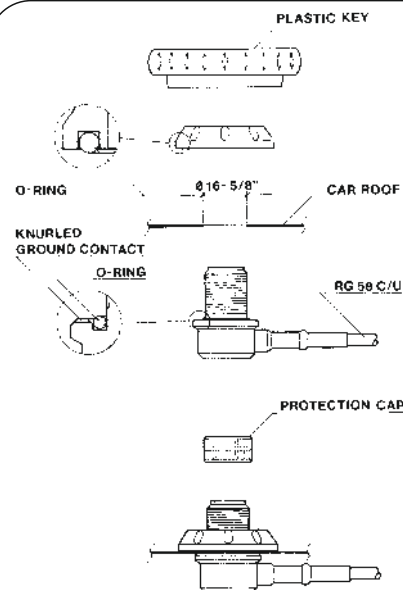


TILTING

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



## 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

