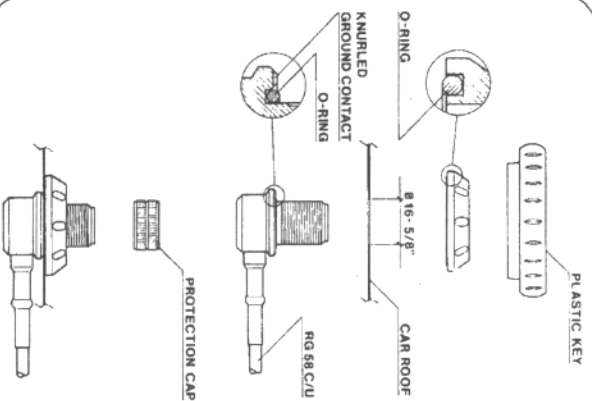


ALTERNATIVE MOUNT TYPE



HP-ACU angular connector:

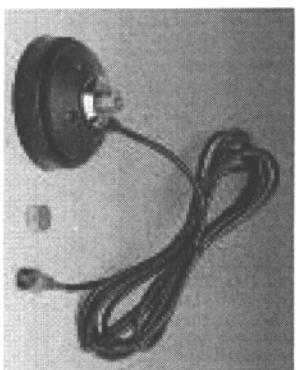
Frequency Range: from DC to 500 MHz
 Overall Size: \varnothing 41 mm
 Mounting Hole: \varnothing 16 mm
 Materials: Brass nichel plated, Teflon
 Insulator, Gold plated pin
 Cable: 5m RG 58 C/U MIL-C-17F / FME-female
 Adaptor: FME-male / UHF-male (PL259)
 Antenna connection: UHF-female

P/N 2510805.00 HP-ACU

HP MAG H 12 PL:

Frequency Range: from DC to 500 MHz
 Overall Size: \varnothing 92 mm
 Materials: Chromed Brass, Nylon, Teflon
 Insulator, Gold plated pin
 Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female
 Adaptor: FME-male / UHF-male (PL259)
 Antenna connection: UHF-female

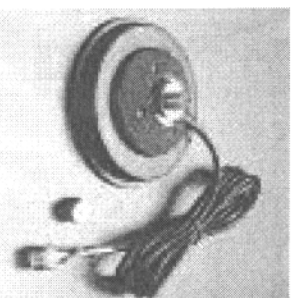
P/N 2511802.05 HP MAG H 12 PL



HP MAG 125 PL:

Frequency Range: from DC to 500 MHz
 Overall Size: \varnothing 127 mm
 Materials: Chromed Brass, Nylon, Teflon
 Insulator, Gold plated pin
 Cable: 3.6 m RG 58 C/U MIL-C-17F / FME-female
 Adaptor: FME-male / UHF-male (PL259)
 Antenna connection: UHF-female

P/N 2511202.05 HP MAG 125 PL



HP 2070 HP 2070 R HP 2070 H Dual Band Mobile Antennas 2 m / 70 cm Bands



HP 2070



HP 2070 R



HP 2070 H

Installation Manual

DESCRIPTION

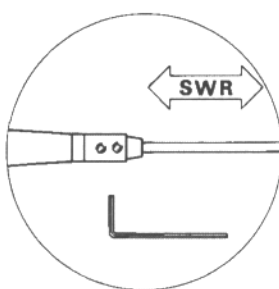
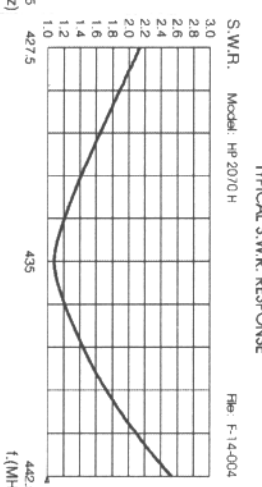
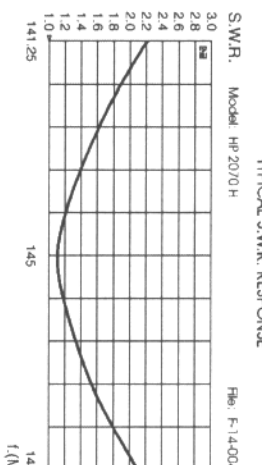
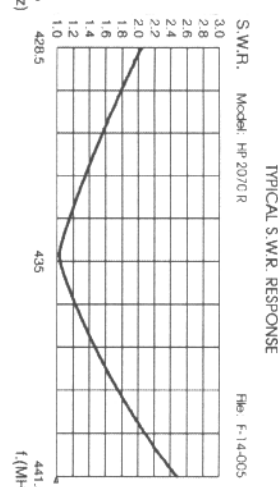
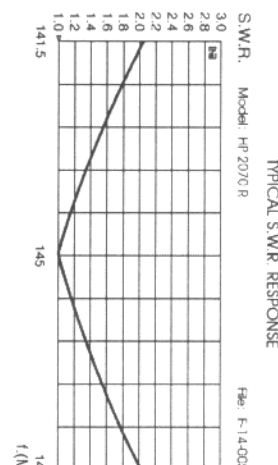
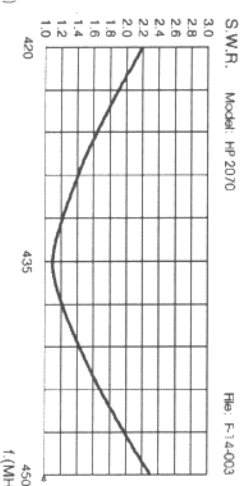
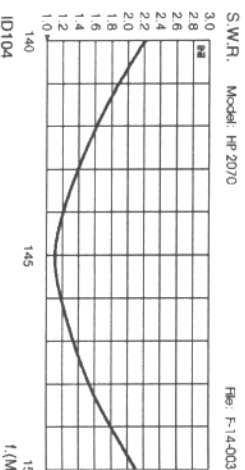
Dualband vehicular antenna working on 2m and 70 cm bands. The very best materials have been used to guarantee the maximum strength and the best performance. The whip, made of 17/7 PH stainless steel, has an inclination system that allows the 90° tilting without using keys or tools. Also a particular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

SPECIFICATIONS

Electrical Data	
Type	VHF 1/4 λ, UHF 5/8 λ
HP 2070	VHF 1/2 λ, UHF 2 x 5/8 λ
HP 2070 R, HP 2070 H	VHF 145 MHz, UHF 435 MHz
Design Frequency	50 Ω Unbalanced
Impedance	360° Omnidirectional
Radiation (H-plane)	Vertical
Polarization	
Gain	
HP 2070	VHF 0 dB, UHF 2 dB ref. to λ/4 whip
HP 2070 R	VHF 0.6 dB, UHF 4.6 dB ef. to λ/4 whip
HP 2070 H	VHF 0.7 dB, UHF 4.4 dB ef. to λ/4 whip
Bandwidth at V.S.W.R. 2:1	
HP 2070	VHF 10 MHz, UHF 25 MHz
HP 2070 R	VHF 6.8 MHz, UHF 11.8 MHz
HP 2070 H	VHF 6.8 MHz, UHF 12.3 MHz
V.S.W.R. at res. freq.	
HP 2070	≤ 1.5:1
HP 2070 r, HP 2070 H	≤ 1.2:1
Max Power	VHF 150 Watts, UHF 100 Watts (CW) at 50° C
Feed System / Position	Transformer DC-Ground / Base
Connector type	UHF-male (PL 259)

Mechanical Data

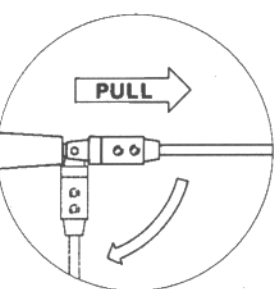
Materials	Stainless Steel 17/7 PH, Nylon, Chromed Brass
Height (approx.)	
HP 2070	445 mm
HP 2070 R	970 mm
HP 2070 H	1050 mm
Weight (approx.)	300 gr



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 range.
3. After tuning, retighten 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.

