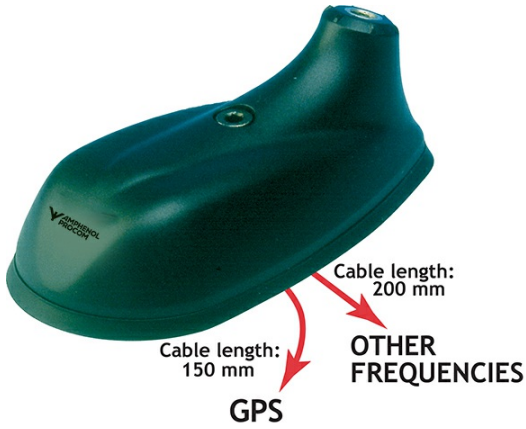
GPS mount for GPS Antennas for Other Frequencies

DESCRIPTION

- GPS-antenna for fixed installations.
- External antenna whip mounted on the GPS-Combi mount.
- Full hemispherical coverage.
- Built-in high-gain, low-noise amplifier.
- **R**ight-**H**and **C**ircular **P**olarization (RHCP).
- 5 V supply voltage (3 V respectively 12 V available on request).
- DC supply via RF-connector.
- Tools for mounting included.
- ECE R118.02 approved cable.



SPECIFICATIONS

Electrical	
Model	GPS-COMBI MOUNT
Frequency	1575 MHz
Antenna Type	Active patch antenna
Polarisation	Circular
Impedance	50 Ω
Coverage	Hemispherical
Gain	28 dBic in axial direction (typ.)
Cross Polar Attenuation	> 10 dB (typ.)
Selectivity	> 45 dB down @ ± 45 MHz

Mechanical	
Compliance	ECE R118.02 approved cable

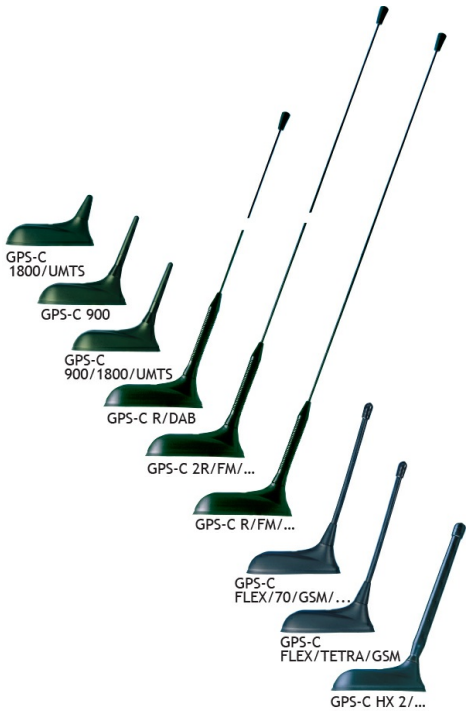
GPS Antenna	
P1dB (GPS Amplifier)	Approx. 7 dBm
Connection(s) (GPS)	FME(m) (male for GPS) + FME(f) (female for mobile antenna)
Mounting (GPS)	ø18.0 mm dia. hole for roof thickness up to 2.0 mm ø18.5 mm dia. hole for roof thickness 2.0 - 2.5 mm Tools for mounting included
Noise Figure (GPS Amplifier)	< 1 dB (typ.)
Gain (GPS Amplifier)	> 30 dB (typ.)
VSWR (GPS Amplifier)	< 2.0:1
Operating Temperature Range (GPS)	-35 °C to +75 °C
Installation Torque (GPS)	4 ± 0.5 Nm
Weight (GPS)	Approx. 0.114 kg / 0.25 lb.
Power Supply (GPS)	5 ± 0.5 V DC (3 V resp. 12 V on request)
Current Consumption (GPS Amplifier)	0.025 mA
Dimensions (GPS)	Approx. 30 x 89 mm / 0.9 x 2.9 in.
Max. Roof Thickness (GPS)	2.5 mm / 0.10 in.
Colour (GPS)	Black
Materials (GPS)	Cu-nite brass Stainless steel Reinforced thermoplastic

ORDERING

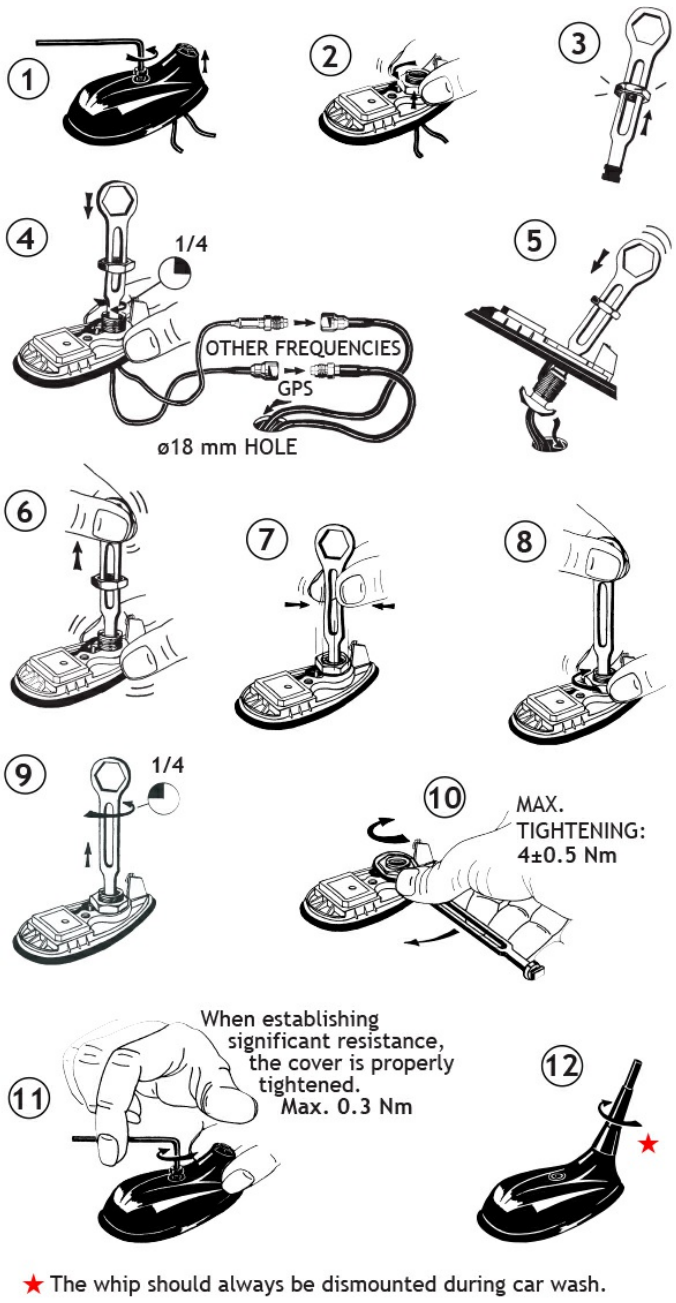
Model	Product No.
GPS-COMBI MOUNT	132000003

WHIP EXAMPLES

See back of this page for complete application survey of Procom\'s wide range of GPS-C models.

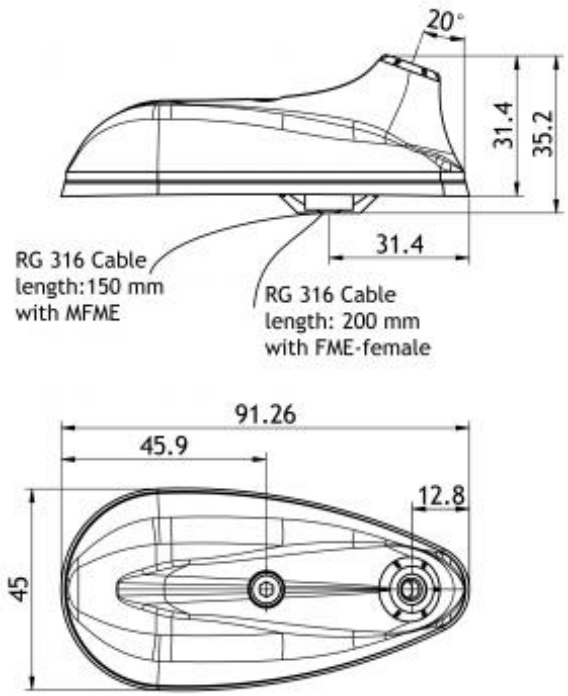


MOUNTING INSTRUCTIONS



Do not use sealer on rubber gasket or other places.

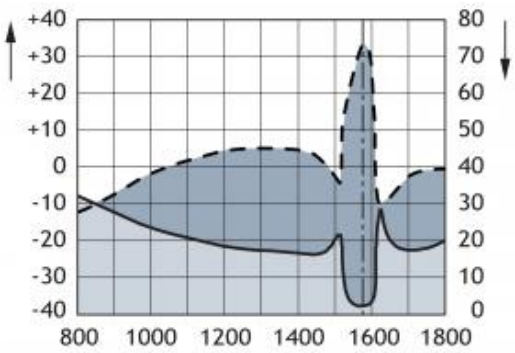
MOUNTING DETAILS

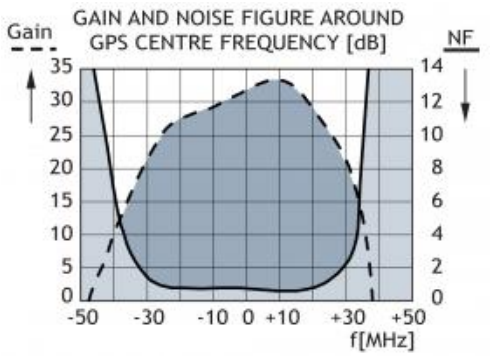


TOOL

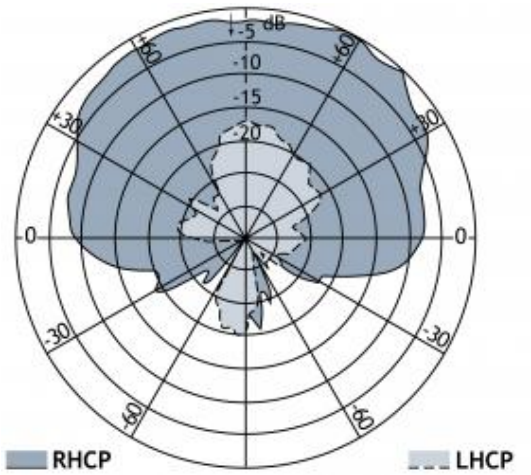


TYPICAL RESPONSE CURES





VERTICAL RADIATION PATTERN



INSTALLATION

The various GPS-Combimodels can be connected to the following devices:

	GPS NAVIGATOR	MOBILE TELEPHONE	RADIO TELEPHONE	CAR RADIO	DIPLEXER TO BE USED	LH 108/136-2G	LHB 80/88	DIPX 500/800	TRI 2/900/FM	DIPX 225/330	BBMU TETRA-I
GPS-C R/FM	■			■							
GPS-C R/GSM/FM	■	■		■	■	■					
GPS-C 2R/FM/...	■		■	■	■	■					
GPS-C 2R/GSM/FM/...	■	■	■	■	■			■			
GPS-C HX 2/...	■		■								
GPS-C R/DAB/FM	■			■							
GPS-C FLEX/TETRA/GSM	■	■	■		■			■			
GPS-C FLEX/70/GSM/...	■	■	■		■			■			
GPS-C MU 4/FM/...	■		■	■	■	■					
GPS-C 900	■	■									
GPS-C 900/1800/UMTS	■	■									
GPS-C 1800/UMTS	■	■									
GPS-C UMTS	■	■									
GPS-C MHU 3/FM	■		■	■	■	■					
GPS-C TETRA-I	■		■	■	■						■
GPS-C 4/70-FM	■		■	■	■		■			■	
GPS-C 2R/70/FM/...	■		■								
GPS-C 2/70/.../...	■		■								

EU AND UK DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type GPS-Combi Mount is in compliance with EU Directive 2014/53/EU and
the UK Radio Equipment Regulations 2017 (S.I. 2017 No. 1206).
The full text of the Declaration of Conformity is available at:

https://amphenolprocom.com/images/shop/catalog/pdf-for-catalouges/Declaration-of-Conformity-GPS-COMBI-MOUNT.pdf