

## GPS mount for GPS Antennas and Other Frequencies

### DESCRIPTION

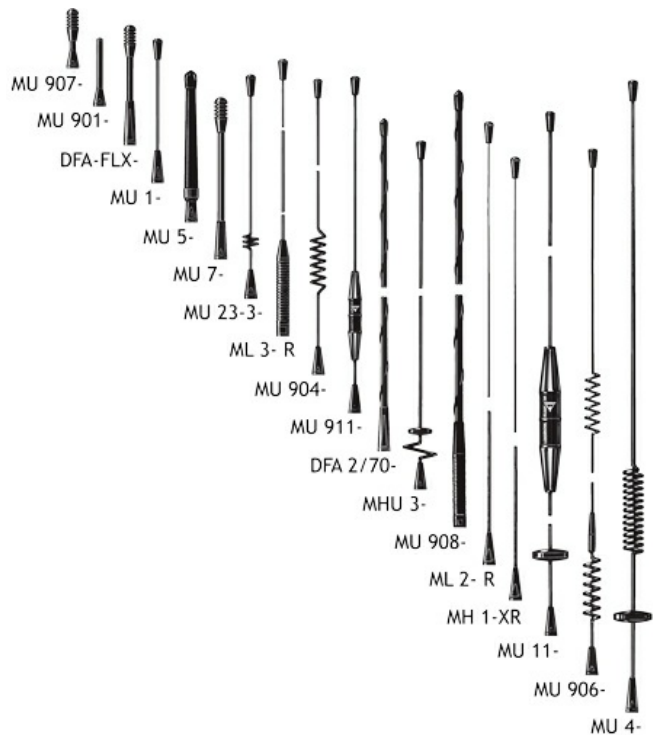
- Mobile mount with a nice, "streamline"-look, which can be installed everywhere on the car in an 19 mm dia. hole.
- Especially suited for mounting on the narrow strip on rear wing between trunk lid and car side.
- M6 thread whip-mounting system.
- Very low requirements to installation depth both under and after installation.
- Designed for installation with access from the outside only.
- Bendable section in mount makes whip tiltable 30° by hand.
- Complete line of whips available for all communications bands up to 1300 MHz.
- Mounting body made of stainless steel !
- Choice between two connection principles:
  - XG-Combi mount: FME-connection and GPS (supplied without cable).
  - XGP4-Combi mount: Permanently attached 4 m RG 58 cable terminated with FME-connector and GPS.
- GPS-antenna for fixed installations.
  - Full hemispherical coverage.
  - Built-in high-gain, low-noise amplifier.
  - Right-Hand Circular Polarization (RHCP).
  - 2.85 V - 5 V supply voltage (typical 3 V).
- ECE R118.02 approved cable.



### SPECIFICATIONS

Electrical	
Model	XG-COMBI MOUNT
Application	Mount for mobile antennas
Mechanical	
Compliance	ECE R118.02 approved cable
Build-In Depth	Active : 30 mm Passive : 11 mm
Connection(s)	Cable : RG 178, length 150 mm Connector : FME(m)
Materials	Black-chromed brass Weather- and shockproof plastics Stainless steel
Installation Torque	4 ±1 Nm
Colour	Black
Dimensions	48 mm x 28 mm / 1.89 x 1.10 in.
Whip Connection	M6 thread stud
Weight	XG-version : Approx. 60 g XGP4-version : Approx. 200 g
Mounting	19 mm dia. hole
Mounting Plate Thickness	Max. 2 mm
GPS Antenna	
Noise Figure (GPS Amplifier)	< 1.5 dB (typical 1.1 dB)
Gain (GPS Amplifier)	22 dB -2 dB
Frequency (GPS)	1575.42 ± 1.023 MHz
Power Supply (GPS)	DC 2.85 V ~ 5 V (typical 3 V)
Current Consumption (GPS Amplifier)	<20 mA
Impedance (GPS)	50 Ω

### A SELECTION OF THE VARIOUS WHIPS WHICH CAN BE CONNECTED TO THE XG-COMBI MOUNT



## ORDERING

Model	Product No.	Description
XG-COMBI MOUNT	130002032	XG-Combi mount with FME-system
XGP4-COMBI MOUNT	130002043	XGP4-Combi mount with 4 m RG 58 cable and FME-connector
<b>Accessories FME-Cables</b>		
1 m FME(f) to FME(f)	130000437	
2 m FME(f) to FME(f)	130000447	
3 m FME(f) to FME(f)	130000457	
4 m FME(f) to FME(f)	130000466	
5 m FME(f) to FME(f)	130000474	
6 m FME(f) to FME(f)	130000483	
4 m FME(f) to FME(f), white	110000064	
6 m FME(f) to FME(f), white	110000066	
12 m FME(f) to FME(f), white	110000068	
18 m FME(f) to FME(f), white	110000069	
<b>Accessories FME-Connectors</b>		
FME(f)-FME(f)	130000583	
FME(m)-P(m) (Prolongation)	130000565	
FME(m)-N(m)	130000571	
FME(m)-SMA(f)	130000578	
FME(m)-BNC(m)	130000566	
FME(m)-TNC(m)	130000569	
FME(m)-UHF(m)	130000572	
FME(m)-MiniUHF(m)	130000573	
FME(m)-MiniUHF(m)(Elbow)	130000582	
FME(m)-BNC(m)(Elbow)	130000580	
FME(m)-TNC(m)(Elbow)	130000581	
FME(m)-SMA(m)	130000577	

## FME-SYSTEM ACCESSORIES - NOTE

For further information about other types of FME-cables and FME-connectors, please compare the cable and connector data sheets under accessories.

INSTALLATION

XG-Combi mount antenna types can be mounted anywhere on the car, however, roof top mounting is always recommended. The oblong XG-Combi mount is able to be mounted on the often very narrow strip on the rear wing between the trunk lid and the side of the car.

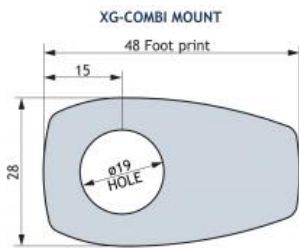
Mounting can take place with access from the outside or inside when drilling an 19 mm dia. hole.

A good contact surface on the inside of the car body must always be ensured, thus enabling the base plate to get in direct contact with the metal parts of the car, which is of utmost importance for proper performance of the antenna.

When cleaning the car in car-washing machines, the whip is easily removed using a fork spanner, size 9 mm. The whip is refitted again by screwing it onto the thread stud and tightening it lightly with the spanner.

As the XG-Combi mount is internally equipped with a bendable section, the antennas can always be adjusted to an upright position independent of the tilt angle of the installation spot (up to 30° tilt).

1. INSTALLATION DIMENSION



ASSEMBLY INSTRUCTIONS

- > Put GPS-FME-connector-cable through the gasket (2).
- > Put the gasket (2) + GPS-part (1) over the body (B).
- > Put the body (B) + gasket (3) + GPS-part (1) through the 19 mm hole.
- > Put the housing (4) over the body (B) and be sure that the GPS-part (1) fits into the square hole in the body (B).
- > Put the threaded part over the body (B) and tighten max. 4 ± 1 Nm!
- > Put the corrugated plastic unit (6) over the body (B).
- > Mount the antenna whip se figure 4.



2. INSTALLATION STEPS

<p><b>1</b></p> <p>(MOUNT WITH FME-SYSTEM)</p> <p>① FME-cable</p> <p>②</p>	<p><b>2</b></p> <p>① DRILL 19 mm HOLE</p> <p>②</p>
<p><b>3</b></p> <p>Tightening: 4 ± 1 Nm</p> <p>⑥</p> <p>⑤</p> <p>④</p> <p>①</p> <p>②</p> <p>③</p> <p>GPS-part</p> <p>Do not use sealer when mounting the mount</p>	<p><b>4</b></p> <p>①</p> <p>* The cable must go through Screen (2), gasket (3) and car roof before the parts are assembled</p>
<p><b>5</b></p> <p>Max. 30°</p>	

Do not use sealer on rubber gasket or other places.

EU AND UK DECLARATION OF CONFORMITY

Hereby Amphenol Procom declare that the product type XG-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-catalogues/Declaration-of-Conformity-XG-COMBI-MOUNT.pdf>

