

MU 906-X/...

Collinear 6 dB Mobile Antenna for the 900 MHz Band

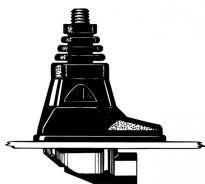
DESCRIPTION

- 6 dB omnidirectional gain when mounted on the car roof.
- Rear wing mounting possible with only minor reduction of gain.
- 3 models, type "l", "m" and "h", cover band segments suiting the most common 900 MHz CELLULAR networks such as EAMPS, ETACS, NMT-900 and EGSM.
- Excellent for use together with a diplexer (type LH 108/136) for combined car radio broadcast reception and 900 MHz transceiving.
- Stainless steel X-mount with M6-thread whip-fastening system.
- Simple mounting exclusively with access from the outside.
- Models available with X-mount (oblong) and CX-mount (circular).
- Choice between two connection principles:
 - X-mount: FME-connection (supplied without cable).
 - XP4-mount: Permanently attached 4 m low loss cable terminated with FME-connector.

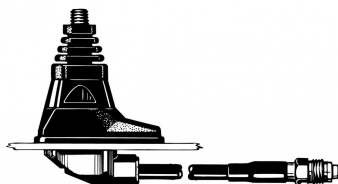


All whips are compatible with all mounts.

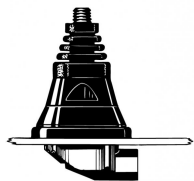
X-MOUNT



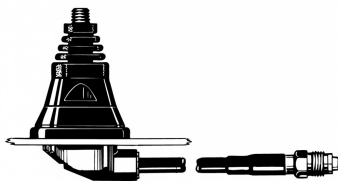
XP4-MOUNT



CX-MOUNT



CXP4-MOUNT



ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY	MOUNT VERSION
MU 906-X/l	130001191	824 - 894 MHz (EAMPS)	X-mount (oblong) with FME-system
MU 906-X/m	130001195	872 - 950 MHz (ETACS)	
MU 906-X/h	130001187	880 - 960 MHz (EGSM&NMT-900)	
MU 906-CX/l	130001192	824 - 894 MHz (EAMPS)	CX-mount (circular) with FME-system
MU 906-CX/m	130001196	872 - 950 MHz (ETACS)	
MU 906-CX/h	130001188	880 - 960 MHz (EGSM&NMT-900)	
MU 906-XP4/l	130001193	824 - 894 MHz (EAMPS)	XP4-mount (oblong) with 4 m cable + FME-connector
MU 906-XP4/m	130001197	872 - 950 MHz (ETACS)	
MU 906-XP4/h	130001189	880 - 960 MHz (EGSM&NMT-900)	
MU 906-CXP4/l	130001194	824 - 894 MHz (EAMPS)	CXP4-mount (circular) with 4 m cable + FME-connector
MU 906-CXP4/m	130001198	872 - 950 MHz (ETACS)	
MU 906-CXP4/h	130001190	880 - 960 MHz (EGSM&NMT-900)	

SPECIFICATIONS

ELECTRICAL	
MODEL	MU 906-X/...
ANTENNA TYPE	Collinear mobile antenna
FREQUENCY	900 MHz-band covered by three models
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	6 dB (acc. to EIA RS-329-1)
BANDWIDTH	≥ 50 MHz @ SWR ≤ 1.5 ≥ 100 MHz @ SWR ≤ 2.0
SWR	≤ 1.2 @ f. res.
MAX. POWER	60 W
MECHANICAL	
MATERIALS	Whip: Stainless steel and black-chromed brass Mount: Black-chromed brass Weather- and shockproof plastics Stainless steel
RECOMMENDED INSTALLATION TORQUE	4 ± 1 Nm
COLOUR	Black
HEIGHT	Approx. 60 cm
WEIGHT	X-version: Approx. 100 g XP4-version: Approx. 240 g
MOUNTING	18 mm dia. hole

INSTALLATION

The shadowing effect of the car roof often produces deep nulls in the radiation pattern from short antennas mounted on trunk or wing. This problem is solved using the MU 906-X/... antenna.

Because of the colinear design this antenna provides a satisfactory omnidirectional gain even when mounted on trunk or wing.

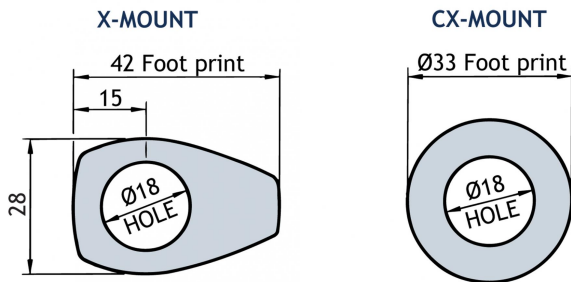
The X- and CX-mounts can be installed anywhere on the car. The oblong X-mount is especially suitable for mounting on the often very narrow strip on the rear wing between the trunk lid and the side of the car.

Mounting can take place exclusively with access from the outside when drilling an 18 mm dia. hole. Mounting can take place from the inside by drilling a 14 mm dia. hole. When mounting in a 14 mm dia. hole, remove the bottom plastic ring of the packing gasket with a sharp cutter.

When cleaning the car in car-washing machines, remove the whip using a spanner, size 9 mm. After wash, refit the whip and tighten it lightly with the spanner.

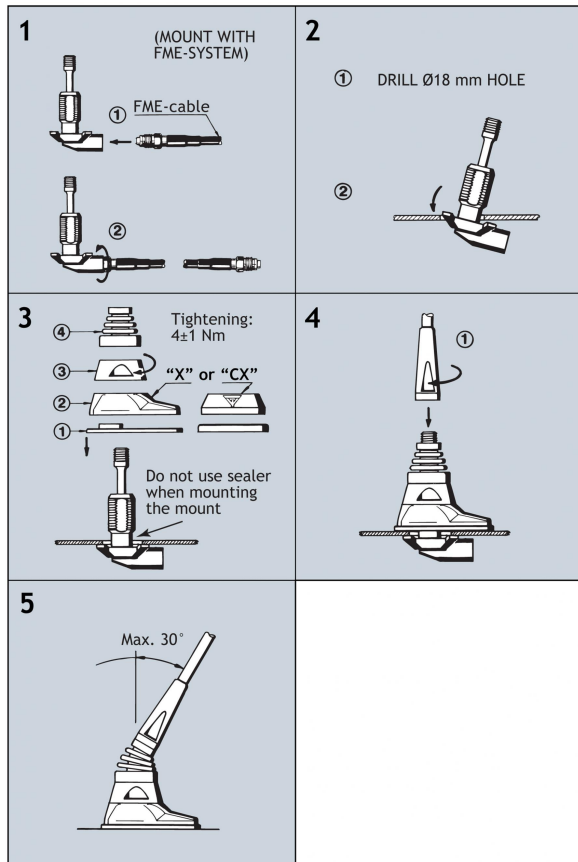
As the mount is internally equipped with a bendable section, the antenna can always be adjusted to an upright position independent of the tilt angle of the installation spot (up to 30° tilt).

1. INSTALLATION DIMENSIONS



Build- in depth: 11 mm

2. INSTALLATION STEPS



Do not use sealer on rubber gasket or other places.

3. TUNING

The antenna is delivered factory-tuned and requires no further tuning.



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19/12/14