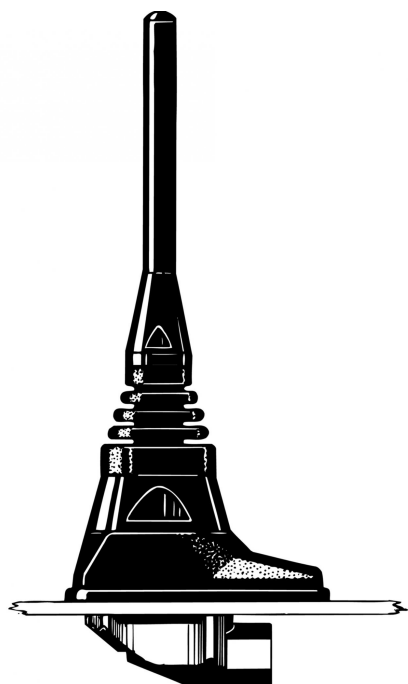


# MU 901-X/...

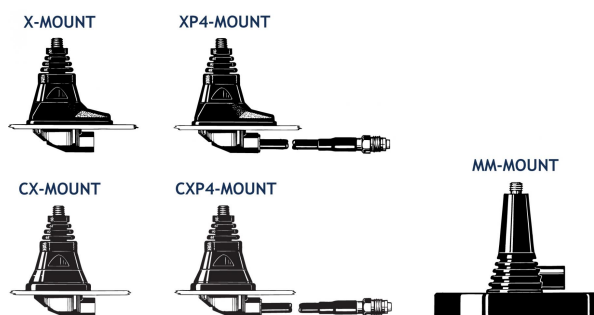
## Unity Gain $\frac{1}{4}$ $\lambda$ Mobile Antenna for the 900 MHz Band

### DESCRIPTION

- Black-chromed whip with large bandwidth.
- Nice, discrete design.
- Type MU 901-X/l covers 820 – 905 MHz (e.g. for EAMPS).
- Type MU 901-X/h covers 870 – 960 MHz (e.g. for ETACS, NMT-900 and EGSM)
- Stainless steel X-mount with M6-thread whip-fastening system.
- Simple mounting exclusively with access from the outside.
- Models available with X-mount (oblong), CX-mount (circular) and MM-mount (magnetic).
- Choice between two connection principles:
  - X-mount, MM-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.



### ORDERING DESIGNATIONS

TYPE	PRODUCT NO.	FREQUENCY	MOUNT VERSION
MU 901-X/l	130001149	820 - 905 MHz	X-mount (oblong) with FME-system
MU 901-X/h	130001142	870 - 960 MHz	Same mount as above
MU 901-CX/l	130001150	820 - 905 MHz	CX-mount (circular) with FME-system
MU 901-CX/h	130001143	870 - 960 MHz	Same mount as above
MU 901-XP4/l	130001151	820 - 905 MHz	XP4-mount (oblong) with 4 m cable + FME-system
MU 901-XP4/h	130001145	870 - 960 MHz	Same mount as above
MU 901-CXP4/l	130001152	820 - 905 MHz	CXP4-mount (circular) with 4 m cable + FME-system
MU 901-CXP4/h	130001146	870 - 960 MHz	Same mount as above
MU 901-MM/l	130001137	820 - 905 MHz	MM-mount (magnetic) with FME-system
MU 901-MM/h	130001138	870 - 960 MHz	Same mount as above

### SPECIFICATIONS

ELECTRICAL	
MODEL	MU 901-X...
ANTENNA TYPE	$\frac{1}{4}$ $\lambda$ mobile antenna
FREQUENCY	900 MHz-band covered by two models
IMPEDANCE	Nom. 50 $\Omega$
POLARIZATION	Vertical
GAIN	0 dB (acc. to EIA RS-329-1)
BANDWIDTH	> 90 MHz @ SWR $\leq$ 1.5 > 180 MHz @ SWR $\leq$ 2.0
SWR	$\leq$ 1.2 @ f. res.
MAX. POWER	60 W
MECHANICAL	
MATERIALS	<b>Whip:</b> Black-chromed brass <b>Mount:</b> Black-chromed brass Environment-proof plastics Stainless steel
RECOMMENDED INSTALLATION TORQUE	4 $\pm$ 1 Nm
COLOUR	Black
HEIGHT	Approx. 82 mm
WEIGHT	X-version: Approx. 60 g XP4-version: Approx. 200 g MM-version: Approx. 270 g
MOUNTING	18 mm dia. hole

## INSTALLATION

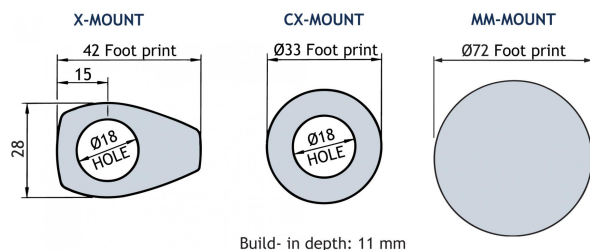
This antenna should be mounted on the car roof to ensure best omnidirectional coverage.

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.

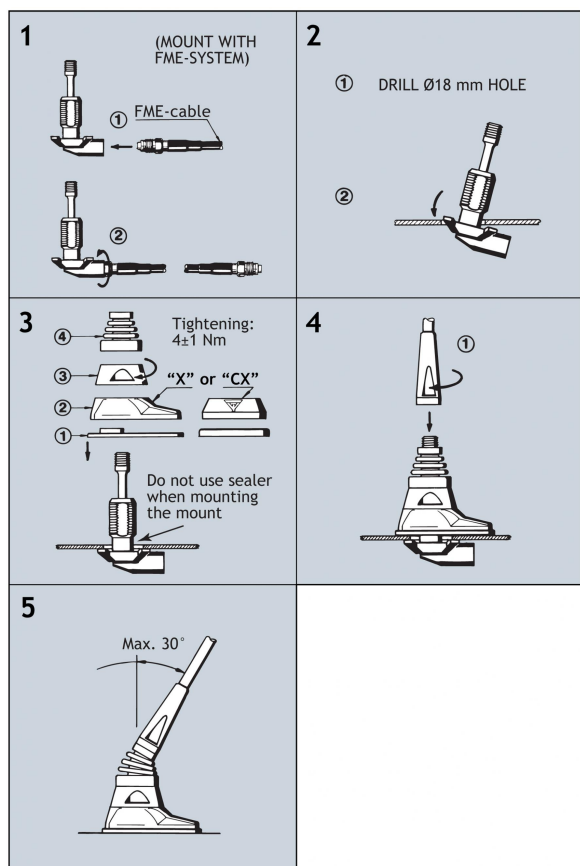
When cleaning the car in car-washing machines, remove the whip using a spanner, size 9 mm. After wash, refit the whip and tighten it lightly with the spanner.

The MiniMag (abbreviated: MM) is a small, light-weight magnetic mount with a high attaching effect. A silicone layer applied to the contact surface protects the car roof and ensures maximum friction.

### 1. INSTALLATION DIMENSIONS



### 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.

### PLEASE NOTE

#### For safety reasons

1. When using the MU 901-MM/..., car speed must not exceed 140 km/h.
2. If operating the MM-mount with other whips, whip length must never exceed 320 mm, and utilizing this maximum length, car speed must not exceed 115 km/h.



PROCOM France S.A.R.L. se réserve le droit d'améliorer les spécifications sans préavis.

03/04/14