

MU 904-LX/...

Colinear 4 dB Mobile Antenna
for the 900 MHz Band

PROCOM

DESCRIPTION:

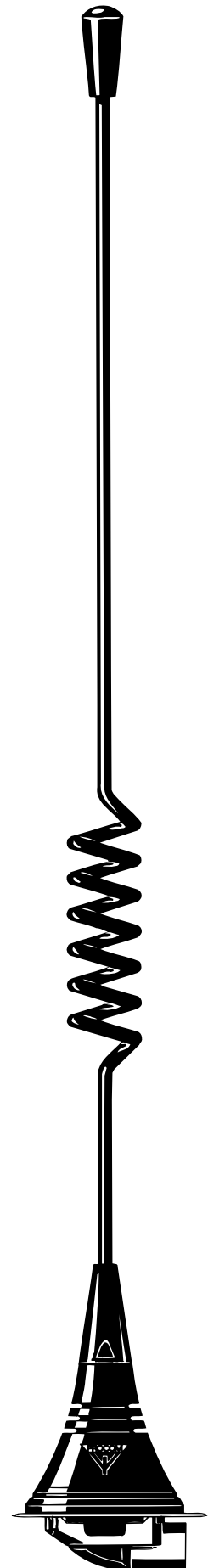
- ★ 4 dB mobile antenna with black-chromed, stainless steel whip.
- ★ Models available for the most common 900 MHz cellular networks.
- ★ Stainless steel LX-mount – professional quality in elegant and smooth design.
- ★ Especially suited for roof-mounting.
- ★ Provided with FME-connection (supplied without cable).
- ★ Bendable section in mount for adjustment of whip (tiltable 15° by hand).
- ★ Installation with access from the outside only (requiring an 18 mm dia. hole).

ORDERING DESIGNATIONS:

| FREQUENCY RANGE | TYPE NO. |
|---------------------------------|-------------|
| 824–894 MHz (EAMPS) | MU 904-LX/l |
| 870–950 MHz (ETACS) | MU 904-LX/m |
| 880–960 MHz (EGSM & NMT-900) | MU 904-LX/h |

SPECIFICATIONS:

| ELECTRICAL | |
|---------------------------------|---|
| ANTENNA TYPE | Colinear mobile whip antenna |
| FREQUENCY | 900 MHz band covered by three models |
| IMPEDANCE | Nom. 50 Ω |
| POLARISATION | Vertical |
| GAIN | 4 dB (acc. to EIA RS-329) |
| BANDWIDTH | ≥ 40 at SWR ≤ 1.5 ≥ 80 at SWR ≤ 2.0 |
| SWR | ≤ 1.3 at f. res. |
| MAX. POWER | 60 watt |
| MECHANICAL | |
| MATERIALS | Whip: Black-chromed stainless steel Black-chromed brass Mount: Stainless steel Brass Environment-proof plastics |
| RECOMMENDED INSTALLATION TORQUE | 3.5 Nm max. |
| CABLE | FME-cable to be ordered separately |
| COLOUR | Black |
| HEIGHT | Approx. 300 mm |
| WEIGHT | Approx. 48 g |
| MOUNTING | 18 mm dia. hole |



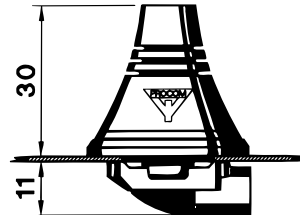
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Installation and Tuning

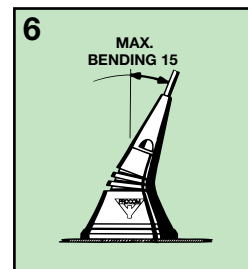
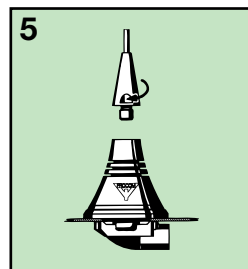
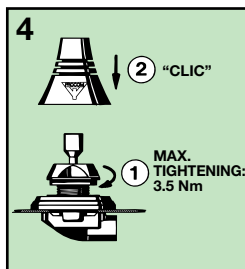
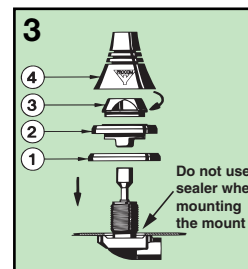
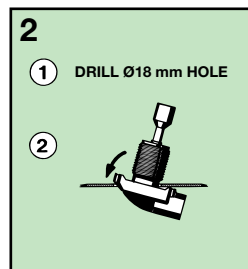
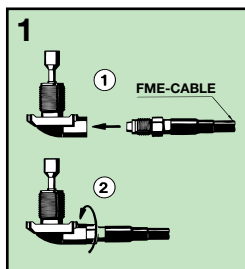


The LX-mount is especially suited for roof-mounting. It is recommended to mount the antenna at the centre of the roof to ensure the best omnidirectional coverage. Mounting can take place in an 18 mm dia. hole with access from the outside only. When cleaning the car in car-washing machines, the whip should be removed – a 9 mm fork spanner can be used. After wash, the whip is refitted and tightened lightly with the spanner. The mount is equipped with a bendable section ($\pm 15^\circ$) to make it possible to adjust the antenna to an upright position.

1. INSTALLATION DIMENSIONS:



2. INSTALLATION STEPS:



PLEASE NOTE: When tightening the revolving nut (see picture 4), special care must be taken to keep the spanner in the correct position.

3. TUNING:

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