¼ λ Mobile Antenna for the 160 MHz Band



DESCRIPTION

- 0 dB mobile antenna.
- Black-chromed, conical stainless steel whip.
- 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).

SPECIFICATIONS

Electrical	
Model	MH 1-LXR
Frequency	Tunable by cutting within : 144-175 MHz (Also applicable : 175-225 MHz)
Antenna Type	Mobile whip antenna
Max. Input Power	100 W
Polarisation	Vertical
Impedance	50 Ω
VSWR	≤ 1.3 @ f. res.
Bandwidth	≥ 15 MHz @ VSWR ≤ 2.0
Gain (EIA RS-329-1)	0 dB

Mechanical	
Materials	Whip : Black-chromed stainless steel Black-chromed brass Mount : Brass Weather- and shockproof plastics Stainless steel
Cable	FME-cable to be ordered separately
Installation Torque	3.5 Nm max.
Colour	Black
Height	Approx. 550 mm / 21.65 in.
Weight	Approx. 0.052 kg / 0.11 lb.
Mounting	18 mm dia. hole

ORDERING

Model	Product No.
MH 1-LXR	130000713

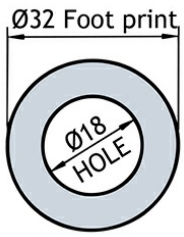
INSTALLATION

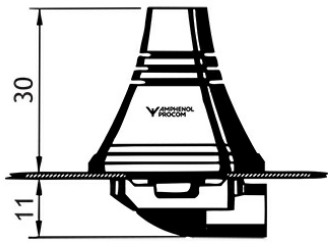
The LX-mount is especially suited for roof-mounting. It is recommended to mount the antenna at the centre of the roof to ensure the best omnidirectional coverage. Mounting can take place in an 18 mm dia. hole with access from the outside only. When cleaning the car in car-washing machines, the whip should 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 (±15°) to make it possible to adjust the antenna to an upright position.

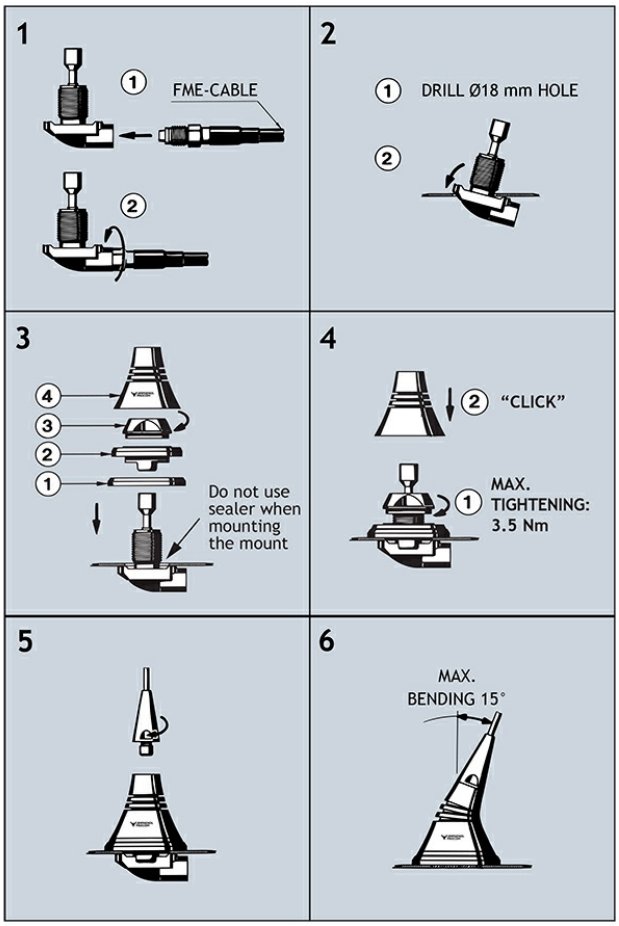
1. INSTALLATION DIMENSION

LX-MOUNT





2. INSTALLATION STEPS



Do not use sealer on rubber gasket or other places.

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 / MODEL CONVERSION

The antenna should always be tuned using an VSWR-meter.
The cutting diagrams below serve as a guide for this procedure.

