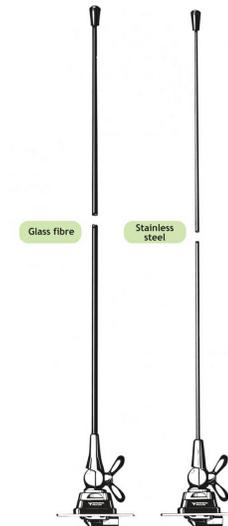


1/4 λ Mobile Antenne for the 80 MHz Band

DESCRIPTION

- Sturdy, general-purpose 1/4 λ antenna in professional quality.
- Available with glass fiber or stainless steel whip.
- Stainless steel Z-mount with ball-joint and wing screw whip-fastening system.
- Available with bright or black-chromed metal parts (mount and whip):
 - ML 2-Z...: Bright version
 - ML 2-BZ...: Black version
- Simple mounting exclusively with access from the outside.
Models with roof thickness from 2 mm to 7.5 mm mounting from the inside.
- Choice between two connection principles: Z-mount:
 - FME-connection (supplied without cable).
 - ZP4-mount: Permanently attached 4 m cable terminated with FME-connector.



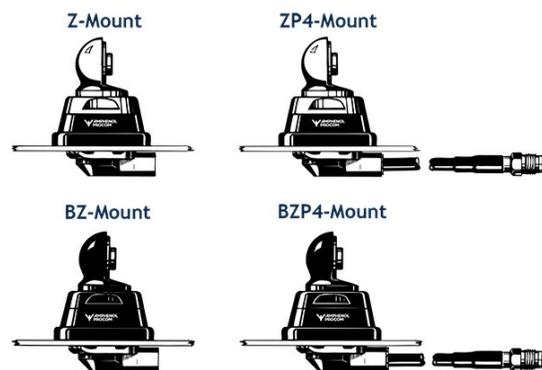
SPECIFICATIONS

Electrical	
Model	ML 2-Z
Frequency	Tunable by cutting within: 66-88 MHz (Also applicable: 88-175 MHz)
Antenna Type	Mobile whip antenna
Max. Input Power	250 W
Polarisation	Vertical
Impedance	50 Ω
VSWR	< 1.3:1 @ f.res.
Bandwidth	≥ 8 MHz @ VSWR ≤ 2.0
Gain (EIA RS-329-1)	0 dB
Mechanical	
Materials	Whip : Conical glass fiber or stainless steel Chromed brass Mount: Chromed brass Weather- and shockproof plastics Stainless steel
Installation Torque	7.5 \pm 1 Nm
Colour	Black or bright, see above
Height	Approx. 1100 mm / 43.31 in.
Weight	Z-version : Approx. 170 g / 0.37 lb. ZP4-version : Approx. 330 g / 0.73 lb.
Mounting	21 mm dia. hole (For roof thicknesses 2 mm up to 7.5 mm mounting hole should be 22mm dia.)
Mounting Plate Thickness	2 mm / 0.08 in.

ORDERING

Model	Product No.	Description	Frequency
ML 2-BZR	130000650	Stainless Steel Whip	BZ-mount with FME-system BLACK
ML 2-ZR	130000643	Stainless Steel Whip	Z-mount with FME-system BRIGHT
ML 2-BZP4R	130000648	Stainless Steel Whip	BZP4-mount with 4 m cable and FME-connector BLACK
ML 2-ZP4R	130000646	Stainless Steel Whip	ZP4-mount with 4 m cable and FME-connector BRIGHT
ML 2-BZ	130000638	Glassfibre Whip	BZ-mount with FME-system BLACK
ML 2-Z	130000639	Glassfibre Whip	Z-mount with FME-system BRIGHT
ML 2-BZP4	130000641	Glassfibre Whip	BZP4-mount with 4 m cable and FME-connector BLACK
ML 2-ZP4	130000642	Glassfibre Whip	ZP4-mount with 4 m cable and FME-connector BRIGHT

THE WHIP IS COMPATIBLE WITH ALL BELOW MOUNTS



Hat screw option:



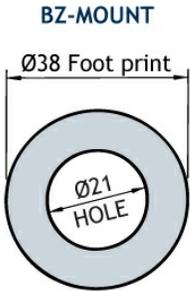
For antenna delivered with hat screw instead of wing screw add a K to the antenna designation.

INSTALLATION

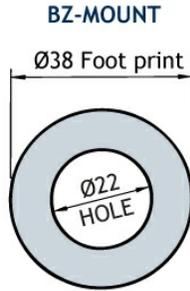
This antenna is supplied with type Z-mount. The whip is fastened to the mount by means of our standard ball-joint and wing screw system. The adjustable ball-joint ensures that the whip can always be mounted in a vertical position independent of the angle of the installation spot.

The Z-mount is particularly well suited for mounting on car-roofs because of its ability to be installed exclusively with access from the outside. The Z-Mount for roof thickness from 2 mm to 7.5 mm must be mounted from the inside. However, the antenna can be installed anywhere on the car, as the Z-mount is equally well suited for mounting on e.g. trunk or wing.

1. INSTALLATION DIMENSIONS

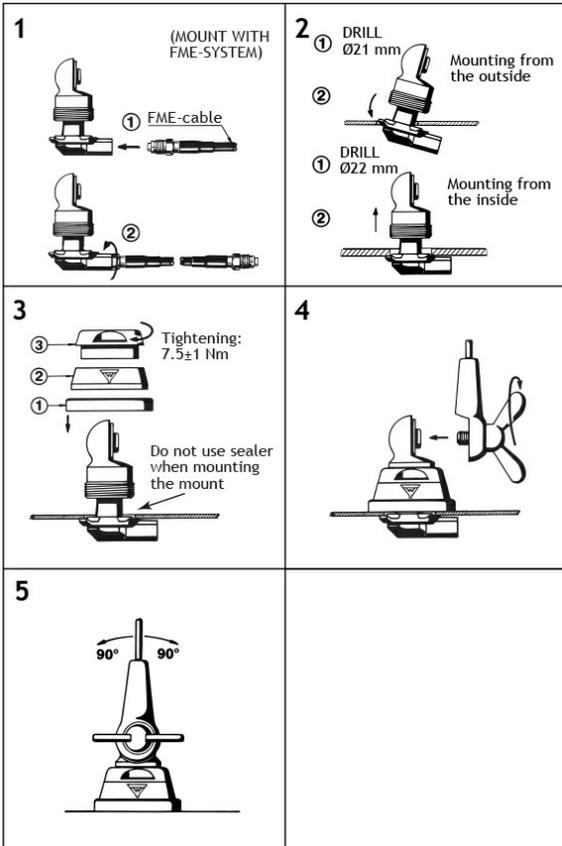


Build- in depth: 10.5 mm
Mounting from the outside



Build- in depth: 10.5 mm
Mounting from the inside

2. INSTALLATION STEPS

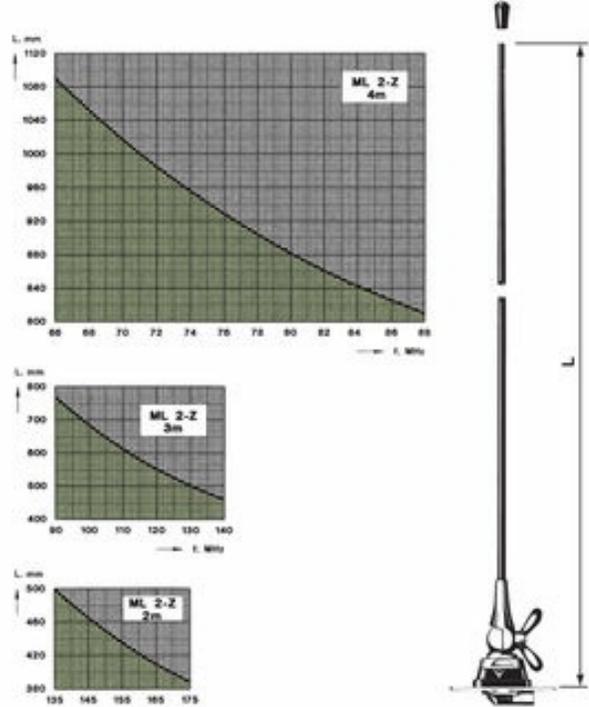


Do not use sealer on rubber gasket or other places.

3. TUNING

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

GLASS FIBRE WHIP



STAINLESS STEEL WHIP

