

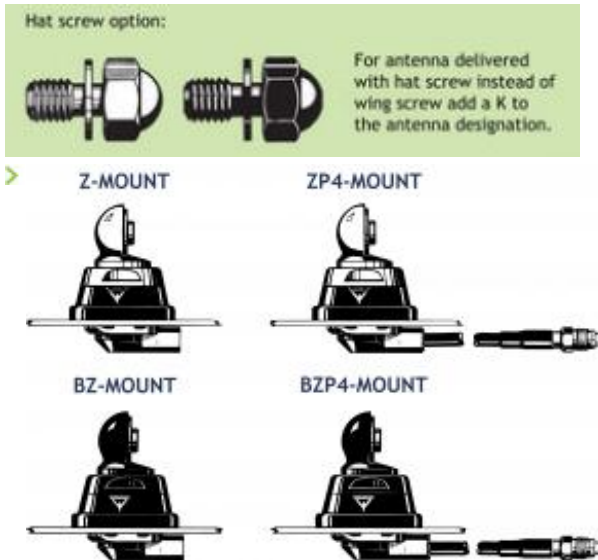
ML 2-Z

¼ λ Mobile Antenne for the 80 MHz Band

- Sturdy, general-purpose ¼ λ antenna in professional quality.
- Available with glass fiber or stainless steel whip.

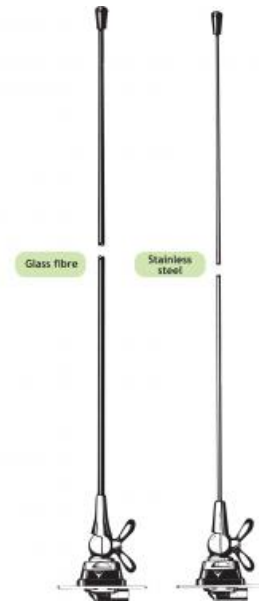
DESCRIPTION

- 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.



ORDERING DESIGNATIONS

TYPE WHIP	PRODUCT NO.	TYPE WHIP	PRODUCT NO.	MOUNT
Glass fiber		Stainless steel		
ML 2-Z	130000639	ML 2-ZR	130000643	Z-mount with FME-system BRIGHT
ML 2-BZ	130000638	ML 2-BZR	130000650	BZ-mount with FME-system BLACK
ML 2-ZP4	130000642	ML 2-ZP4R	130000646	ZP4-mount with 4 m cable and FME-connector BRIGHT
ML 2-BZP4	130000641	ML 2-BZP4R	130000648	BZP4-mount with 4 m cable and FME-connector BLACK



SPECIFICATIONS

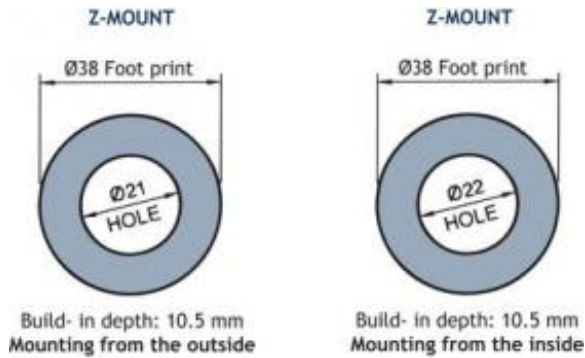
ELECTRICAL	
MODEL	ML 2-Z
ANTENNA TYPE	¼ λ mobile whip antenna
FREQUENCY	Tunable by cutting within: 66...88 MHz (Also applicable: 88...175 MHz)
IMPEDANCE	Nom. 50 Ω
POLARIZATION	Vertical
GAIN	0 dB (acc. to EIA RS-329-1)
BANDWIDTH	≥ 8 MHz @ SWR ≤ 2.0
SWR	≤ 1.3 @ f. res.
MAX. POWER	250 W
MECHANICAL	
MATERIALS	Whip: Conical glass fiber or stainless steel Chromed brass Mount: Chromed brass Weather- and shockproof plastics Stainless steel
RECOMMENDED INSTALLATION TORQUE	7.5 ± 1 Nm
COLOUR	Black or bright, see above
HEIGHT	Approx. 1.1 m
WEIGHT	Z-version: Approx. 170 g ZP4-version: Approx. 330 g
MOUNTING	ø21 mm dia. hole (For roof thickness 2 mm up to 7.5 mm mounting hole should be ø22 mm dia.)
ROOF THICKNESS	Max. 2.0 mm (Models up to 7.5 mm on request)

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.

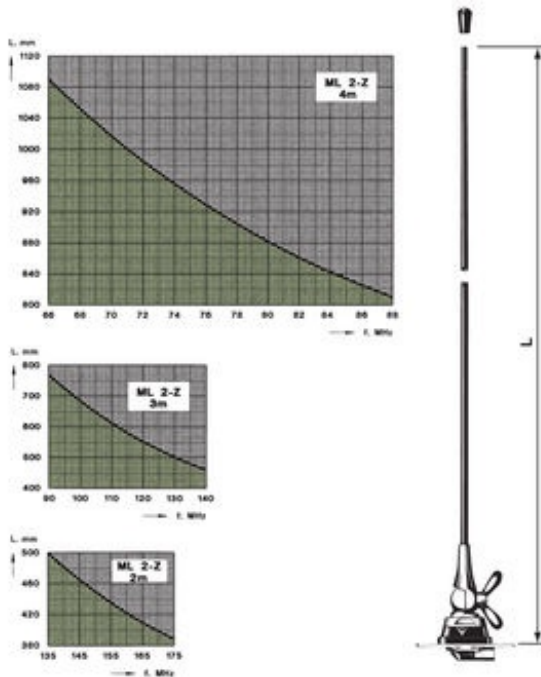
1. INSTALLATION DIMENSIONS



3. TUNING

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

GLASS FIBRE WHIP



STAINLESS STEEL WHIP

