

ML 1-ZR/160/BBMU/...

160 MHz 2 dB Mobile Antenna for Glass Fibre Roof

- Sturdy $\frac{1}{2}$ λ mobile antenna in professional industry standard quality.
- Groundplane independent antenna for mounting on nonconducting surfaces.

DESCRIPTION

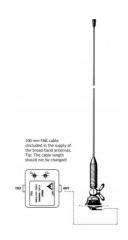
- Ideal for glass fibre roofs as can be found on some trucks, lorries, transport vans, busses and farm machinery.
- The ML 1-ZR/160/BBMU/... can be tuned from 144 175 MHz via the adapter box.
- Necessary cable length between the adapter box and the mount: 100 mm (FME junction cable included).
- Simple mounting exclusively with access from the outside. Models with roof thickness from 2 mm to 7.5 mm mounting from the incide.
- FME antenna cable can be mounted directly in the adapter box.

ORDERING DESIGNATIONS

ТУРЕ	PRODUCT NO.
ML 1-ZR/160/BBMU/	130000627







SPECIFICATIONS

ELECTRICAL		
ANTENNA TYPE	½ λ mobile whip antenna	
FREQUENCY	Tunable within 144 - 175 MHz	
IMPEDANCE	Nom. 50 Ω	
POLARIZATION	Vertical	
GAIN	2 dB (acc. to EIA RS-329-1)	
BAND WIDTH	≥ 4 MHz @ SWR ≤ 2.0 ≥ 6 MHz @ SWR ≤ 3.0	
SWR	≤1.3 @ f.res	
MAX. POWER	25 W	

MECHANICAL	
MATERIALS	Whip: Stainless steel Chromed brass Spring: Stainless steel Mount: Chromed brass Weather- and shockproof plastics Stainless steel
RECOMMENDED INSTALLATION TORQUE	7.5 ± 1 Nm
COLOUR	Bright/black
DIMENSIONS	Antenna : Approx. 800 mm Matching unit : 50 x 50 x 20 mm FME junction cable : 100 mm
MOUNTING	21 mm dia. hole (For roof thickness 2 mm up to 7.5 mm mounting hole should be 22 mm dia.)
ROOF THICKNESS	0.5 - 2 mm and 5 - 7.5 mm respectively depending on mounting ring



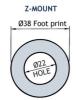
INSTALLATION

- Mount and adapter box to be connected by means of the 100 mm junction cable included in the supply.
- Connect the FME cable for the radio station to the adapter box.
- 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 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.
- Adjust the frequency by means of an SWR-analyzer via C1 and C2 on the adapter box.

1. INSTALLATION DIMENSIONS







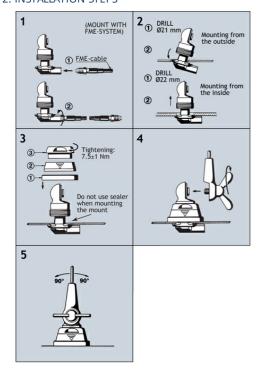
Build- in depth: 10.5 mm Mounting from the inside

3. TUNING

SWR 4000 Analyser with built-in signal generator and graphic display range of measurement 30-2700 MHz



2. INSTALLATION STEPS



Do not use sealer on rubber gasket or other places.



