

## Magnetic Base for Mobile Antennas

### DESCRIPTION

- Heavy-duty magnetic mount with thread stud for "ZG"-type antenna whips.
- Provided with FME connecting system (FME-cable must be ordered separately).
- Can be used at: 27 – 400 MHz using standard whips  
and at: 400 – 470 MHz using specially accommodated whips.
- Extraordinarily high attaching power: takes up to 1.6 m long whips.
- Silicone layer on contact surface protects the car roof and ensures maximum friction.



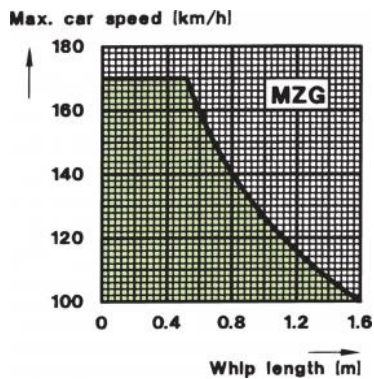
### SPECIFICATIONS

Electrical	
Frequency	27 - 400 MHz using standard whips 400 - 470 MHz using special -MZG--whips
Application	Magnetic mount for "ZG"-typemobile antenna whips
Mechanical	
Connection(s)	FME(m)
Materials	Stainless steel Bright or black chromed brass Environment-proof plastics
Colour	Black
Whip Connection	M8 x 1 thread stud
Weight	Approx. 0.9 kg / 1.98 lb.
Mounting	Centre of vehicle roof for best omnidirectionalcoverage
Max. Car Speed	Depending on whip height. See curve below

### ORDERING

Model	Product No.
MZG-Mount	130000358
Accessories FME-Cables	
1 m FME(f) to FME(f) cable	130000437
2 m FME(f) to FME(f) cable	130000447
3 m FME(f) to FME(f) cable	130000457
4 m FME(f) to FME(f) cable	130000466
5 m FME(f) to FME(f) cable	130000474
6 m FME(f) to FME(f) cable	130000483
4 m FME(f) to FME(f) cable, white	110000064
6 m FME(f) to FME(f) cable, white	110000066
12 m FME(f) to FME(f) cable, white	110000068
18 m FME(f) to FME(f) cable, white	110000069
Accessories FME-Connectors	
FME(f)-FME(f) Connector Adaptor	130000583
FME(m)-P(m) (Prolongation) Connector Adaptor	130000565
FME(m)-N(m) Connector Adaptor	130000571
FME(m)-SMA(f) Connector Adaptor	130000578
FME(m)-BNC(m) Connector Adaptor	130000566
FME(m)-TNC(m) Connector Adaptor	130000569
FME(m)-UHF(m) Connector Adaptor	130000572
FME(m)-MiniUHF(m) Connector Adaptor	130000573
FME(m)-MiniUHF(m)(Elbow) Connector Adaptor	130000582
FME(m)-BNC(m)(Elbow) Connector Adaptor	130000580
FME(m)-TNC(m)(Elbow) Connector Adaptor	130000581
FME(m)-SMA(m) Connector Adaptor	130000577

TYPICAL RESPONSE CURVE



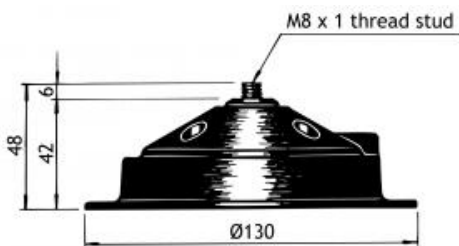
USING THE MZG-MOUNT

This magnetic mount is used to make an occasional antenna installation where it is not desirable to drill holes in the mobile unit. A magnetic mount antenna can advantageously serve several mobile units by shifting it from one unit to another. The MZG-Mount is provided with a large-diameter, thoroughly magnetized permanent ring magnet positioned in a carefully shaped magnetic circuit which yields an extraordinarily high attaching effect. The further extension of the supporting surface beyond the magnet area makes this mount stand for astounding values of bending moment and mechanical shock. The low profile of the MZG-Mount ensures low wind load. A silicone layer applied to the whole contact surface protects the car roof and ensures maximum friction. The MZG-Mount is provided with a M8 x 1 thread mount system fitting the Procom "ZG"-type antenna whips.

INSTALLATION

The magnetic mount should be mounted in the middle of the vehicle roof or rear locker to produce best omnidirectional coverage.

TUNING	
Below 400 MHz	Use the cutting diagram for the corresponding ZG-mount model using the same type of whip as a guideline while using an SWR-meter to tune the whip.
Above 400 MHz	Whips tuned by cutting: Use an SWR-meter. Whips tuned with disc: Adjustment diagram accompanies the antenna.



Generally: Order this magnetic base by simply asking for MZG-Mount. (FME-cable and FME-connector are ordered separately).

Complete antennas within

27–400 MHz

The whip and the MZG-Mount are ordered separately. All whips available in normal ZG-mount version also fit the MZG-Mount. Whips are tuned with an SWR-meter using the ZG-version cutting diagrams as a guide.

Complete antennas within

400–470 MHz

The whip and the MZG-Mount are ordered together by coding MZG-Mount into the antenna designation as e.g. MU 4-MZG/h. Please consult the ZG-mount leaflet for the particular whip type in question to check if the whip is available with MZG-Mount.