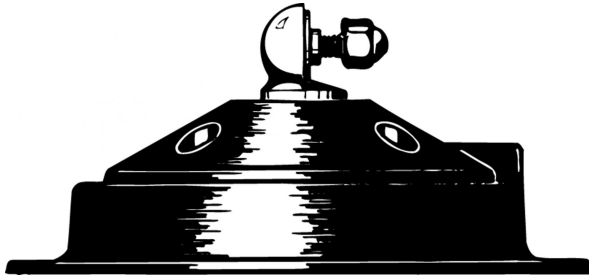


# MG

## Magnetic Base for Mobile Antennas

### DESCRIPTION

- Heavy-duty magnetic mount with toggle joint.
- 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.
- Whips are fixed on the mount using a "hat"-screw which is supplied with the mount together with a special fastening key.



Also available in black version - ordre BMG (black)

### ORDERING DESIGNATION

TYPE NO.	PRODUCT NO.
MG	

ORDERING	
Generally:	Order this magnetic base by simply asking for <b>MG</b> . (FME-cable and FME-connector are ordered separately).
Complete antennas within 27 – 400 MHz:	The whip and the <b>MG</b> are ordered separately. All whips available in normal Z-mount version also fit the <b>MG</b> . Whips are tuned with an SWR-meter using the Z-version cutting diagrams as a guide.
Complete antennas within 400 – 470 MHz:	The whip and the <b>MG</b> are ordered together by coding <b>MG</b> into the antenna designation as e.g. MU 4-MG/h. Please consult the Z-mount leaflet for the particular whip type in question to check if the whip is available with <b>MG</b> .

### SPECIFICATIONS

MODEL	MG
APPLICATION	Magnetic mount for toggle-joint type mobile antenna whips. With "hat"-screw and key
FREQUENCY	27 – 400 MHz using standard whips 400 – 470 MHz using special "MG"-whips
CONNECTION TO WHIP	Toggle joint (for wing screw or hat screw with key)
MATERIALS	Stainless steel Bright or black chromed brass Environment-proof plastics
CONNECTOR	FME-system
WEIGHT	Approx. 0.9 kg
DIMENSIONS	Total height: Approx. 64 mm. Diameter: 130 mm.
MOUNTING	Centre of vehicle roof for best omnidirectional coverage
MAX. CAR SPEED	Depending on whip height. See curve below

### FME-SYSTEM ACCESSORIES

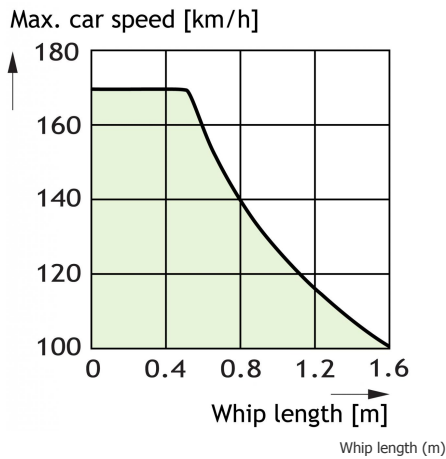
FME-CABLES	
LENGTH	TYPE NO.
1 m	1 m FME
2 m	2 m FME
3 m	3 m FME
4 m	4 m FME
5 m	5 m FME
6 m	6 m FME
4 m white	4 m FME-white
6 m white	6 m FME-white
12 m white	12 m FME-white
18 m white	18 m FME-white

FME-CONNECTORS	
CONNECTOR	ORDER NO.
FME-FME	FME-FME
Prolongation	FMEP
N	FME-N
FSMA	FME-FSMA
BNC	FME-BNC
TNC	FME.TNC
UHF	FME-UHF
Mini-UHF	FME-MUHF
Elbow-MUHF	FME-EMUHF
Elbow-BNC	FME-EBNC
Elbow-TNC	FME-ETNC
SMA	FME-SMA

For further information about other types of FME-cables please compare the cable data sheets under accessories in our catalogue.

### CURVE

Max. car speed (km/h)



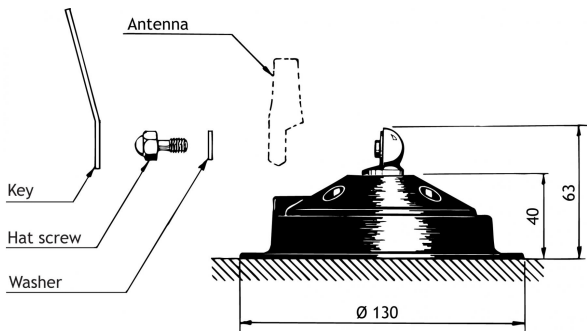
### USING THE MG

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 MG 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 MG ensures low wind load. A silicone layer applied to the whole contact surface protects the car roof and ensures maximum friction. The magnetic mount cannot be used together with the usual wing screw normally employed when fastening mobile whips. On the MG the whip is mounted by means of a special "hat"-screw which together with a special fastening key is always supplied together with the mount.


TUNING	
Below 400 MHz	Use the cutting diagram for the corresponding Z-mount model using the same type of whip as a guide 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.

### INSTALLATION

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



Procom A/S reserve the right to amend specifications without prior notice.

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13/12/11