



**RADIO FREQUENCY INDUSTRIES (PTY.) LTD.**

*"Simply The Best"*

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## MA-400 SCORPION MOBILE ANTENNA (390-470 MHz.)

The MA-27BL Scorpion mobile antenna is designed to cover the full frequency range from 390MHz. to 470MHz. by cutting the antenna to length for the required frequency.

The materials used are of the best quality available and will ensure a long life of the product in the harsh African climate.

All stainless steel used is 17-7PH that has over the years proven to be the best to use in mobile applications.

Plating on the base and adaptors is of the best quality.

The cable is sealed at the base for moisture penetration.

All the whips are held into position with two grub screws to minimize the possibility of loosing the whips.

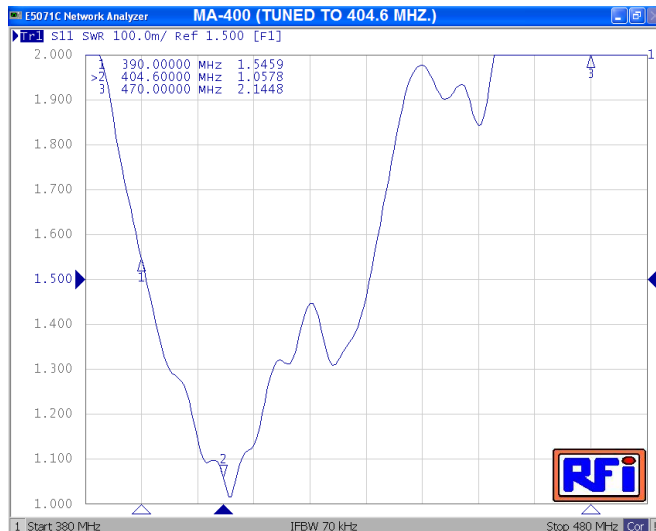
The grub screws used is of the best quality to prevent stripping when screws are tightened.

All mobiles are delivered with a cutting chart to provide an **indication** of the whip length at required frequencies.

All models come with 5 Meters of RG58U coaxial cable as standard.

The Scorpion range of antennas are guaranteed to fit on 5mm thick material and is therefore the obvious choice for off-road vehicles where the antenna needs to be mounted on roll bars or roof carriers where the material is thicker than normal vehicle body panels.

The Scorpion antennas provide very low VSWR readings and therefore gives very good all round performance and best value for money. All the antennas in the Scorpion range fits on the attractive magnetic mounts supplied by RF Industries.



RFi Order Code		MA-400
FREQUENCY COVERAGE	IN MHz.	390-470
BAND WIDTH	IN MHz.	40
GAIN	IN dBi	2 to 3 dBi
VSWR	< THAN	<1.5:1
POWER	IN WATTS	100
IMPEDANCE	IN OHMS	50
WHIP MATERIAL	S-STEEL	17-7PH
MOUNTING HOLE SIZE	IN mm	19-20
SHOCK SPRING MATERIAL	S-STEEL	17-7PH
FEEDER CABLE TYPE	LENGTH	RG58 X 5Met.
MOUNTING SPECIFICATION	IN DEGREES	0/90/180/360

### NOTES WHEN DETERMINING LENGTH OF MOBILE ANTENNAS:

When determining the lengths of mobile antennas please take in to consideration the size of the ground plane. The rule is the smaller the ground plane the longer whip must be. When working with small ground planes the VSWR may be higher than the specifications indicated on this document. Positioning of the antenna plays a crucial role and again the length and specifications may change depending on where the antenna is mounted. When magnetic mount bases are used, add 10 to 15% to the indicated length to obtain acceptable VSWR.

Manufacturers of : Two-Way Radio Antennas, Duplexers, Filters, Combiners, Splitters, Lightning protectors & other RF Products.  
 Sales and Distribution of: Two-Way Radios, Repeater Systems, Power Meters, Microphones, Power Supplies, Cables & Connectors.