M and MB Series

Stainless steel or fibreglass phased coil whips

UHF/TETRA 400-520 MHz

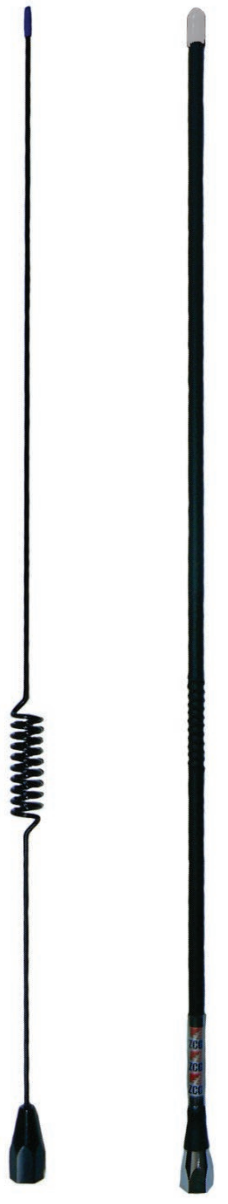
Australian manufactured in East Gippsland

In-stock Ready to Ship
* Signifies build to order item

These range of UHF whips offer both excellent performance with medium nominal gain, with the flexibility to be used in either vehicle or fixed position locations.

Mounting hardware, adaptors, cable assemblies and other installation accessories are all available separately.

	M series stainless steel whips	MB series fibreglass whips
Construction	Powder-coated black 17-7PH stainless steel whip and mount ferrule	Black heatshrunk fibreglass, chrome ferrule - also available in white upon request
Frequency range	M390 - 380-400 MHz* M410 - 400-420 MHz M430 - 420-440 MHz M460 - 450-470 MHz M480 - 470-490 MHz M510 - 500-520 MHz	MB410 - 400-420 MHz* MB430 - 420-440 MHz* MB460 - 450-470 MHz MB480 - 470-490 MHz MB510 - 500-520 MHz
VSWR	<2:1 across selected frequency range	<1.5:1 across selected frequency range
Tuning	Factory	
Gain - nominal	6.2 dBi	
Maximum power	50 Watts	
Impedance - nominal	50 Ohms	
Polarisation	Vertical	
Height and cap colour/ identification	M390 - 750mm, black tip M410 - 700mm, black tip M430 - 650mm, brown tip M460 - 600mm, red tip M480 - 560mm, blue tip M510 - 530mm, black tip	MB410 - 730mm, white band MB430 - 710mm, brown band MB460 - 630mm, red band MB480 - 600mm, blue band MB510 - 590mm, yellow band
Mount ferrule thread	internal 5/16"-26 TPI female	
Weight	78grams	80grams
Mounting hardware order separate	Cable base: OB-4.7 for 4.7m or OB-8.0 for 8.0m Magnetic base: MGB-OB	
Mounting position recommended	Mount as high on your vehicle or structure as possible using the appropriate cable assembly and 16mm hole bracket or magnetic base	
Installation tools required	15mm spanner for whip securing onto base	



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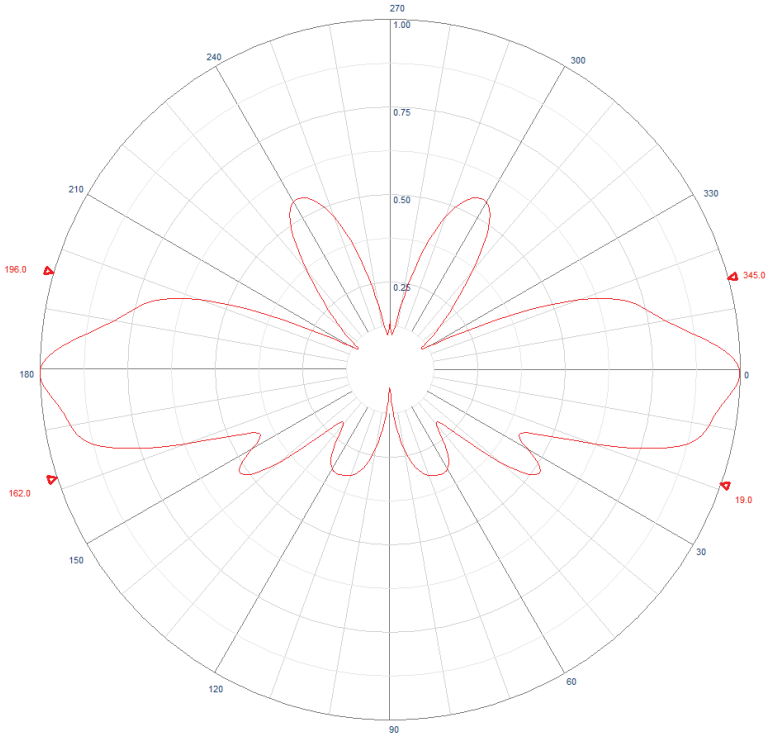

Example radiation pattern MB460 on elevated feed base

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Recommended mounting hardware

OB-4.7 - Australian standard OB base with 4.7 metres MIL-SPEC RG58 cable and UHF Male PL259 supplied, not fitted

16mm mount hole

Requires 11mm spanner

MGB-OB - Magnetic base with Australian standard OB base, 4.7 metres MIL-SPEC RG58 cable, no connector

105mm diameter

OB-2 - Australian standard OB base with5/16"-26TPI male thread

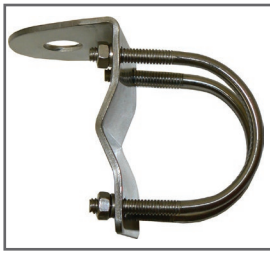
16mm mount hole

Requires 11mm spanner

MS Base - Stainless steel parallel spring with 5/16"-26TPI male thread and female thread

requires OB base

Additional installation accessories



BBM-SS - wrap around bull bar mount, up to 50mm diameter bull bar tube

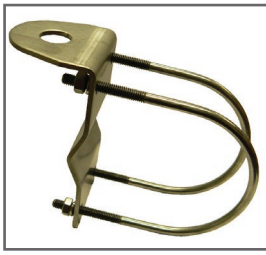
16mm mount hole

Requires 10mm spanner

BBML-SS - wrap around extra large bull bar mount, up to 65mm diameter bull bar tube

16mm mount hole

Requires 10mm spanner



BBMXL-SS - wrap around extra large bull bar mount, up to 76mm diameter bull bar tube

16mm mount hole

Requires 10mm spanner

BBKB-B - Rhino knock down antenna mount, powder coated black

17mm mount hole with cable slot

ATLM series - Adjustable bonnet, boot and door jam mount. 360 rotational and 140 degree adjustment

16mm mount hole

Black or Chrome

Includes 5mm and 2mm allen keys

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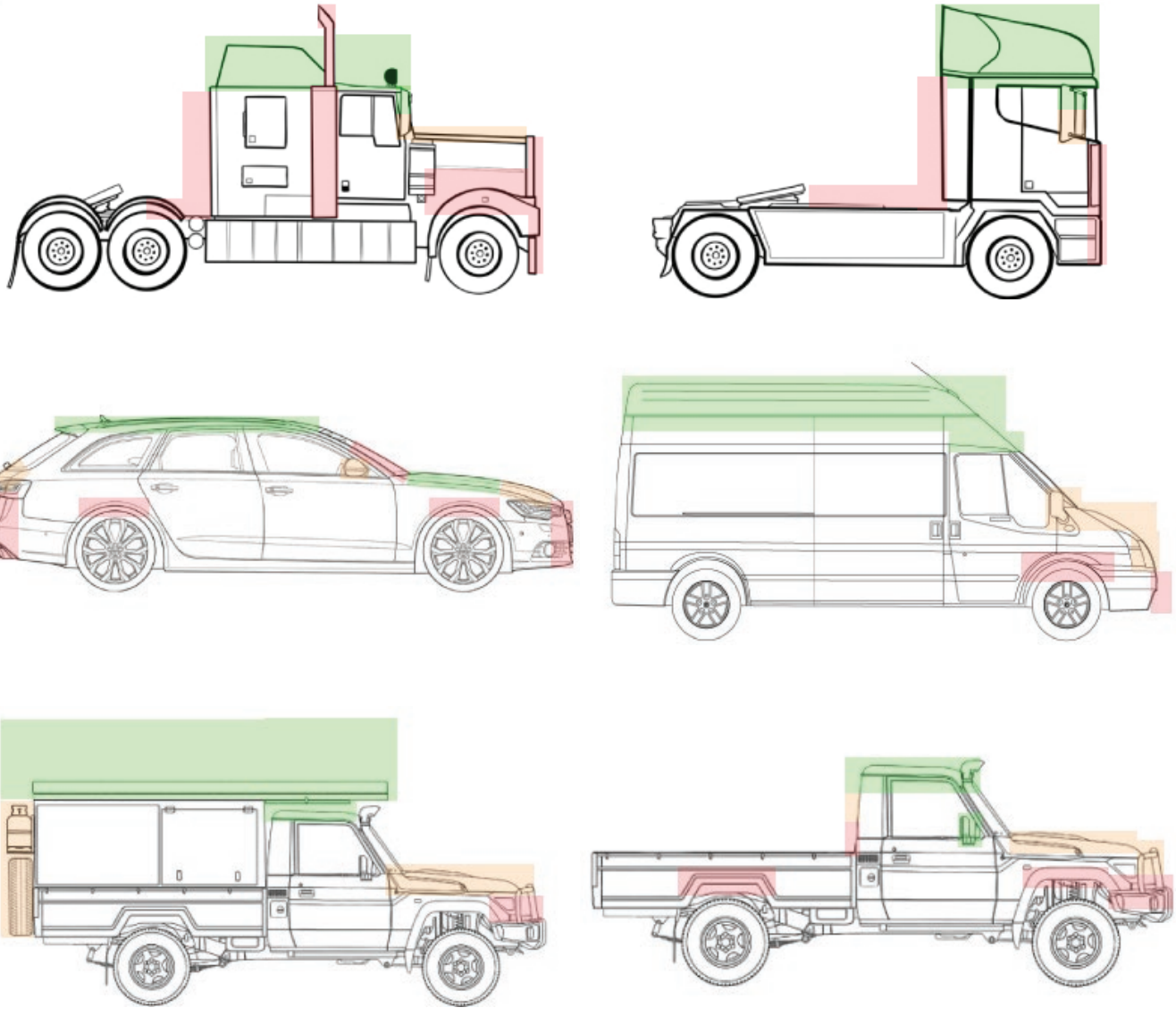
Vehicle Mounting locations



Best/Recommended location for mounting
Suitable mounting locations
Not suitable mounting locations