



## HB50 Whip

5/8th  $\lambda$  wave fibreglass loaded coil whip

VHF high band 144-174 MHz



The HB50 5/8th  $\lambda$  (wave) whip is designed and manufactured for use within the VHF high band 144-174 MHz. This whip is a field tuned whip, requiring an SWR meter or network analyser to tune the whip once installed.

The 5/8th  $\lambda$  (wave) design of the HB50 offers improved performance over a standard 1/4  $\lambda$  (wave) whip.

Mounting hardware, custom length coaxial cable leads and other installation accessories are all available separately.

Construction	Black heatshrink covered loaded coil fibreglass whip and chrome mount ferrule - no base
Frequency range	144-174 MHz - VHF high band
Bandwidth	1 MHz bandwidth when field tuning
VSWR	<1.5:1 - once installed and field tuned
Gain	5.2 dBi
Tuning	Field tune using a SWR meter or network analyser - remove cap and trim from top, adhesive fix cap when tuned
Maximum power	200 Watts
Polarisation	Vertical
H Plane	360° omnidirectional
Height	1545mm - 5/8th $\lambda$ wave
Weight	250grams
Mount ferrule thread	5/16"-26 brass female in mount ferrule
Mounting hardware order separate	Cable base: OB-4.7 for 4.7m or OB-8.0 for 8m Magnetic base: MGB-OB - 105mm diameter Spring base: MS Base + cable or magnetic base for heavy-duty installation locations where added flexibility is required.
Mounting position recommended	Mount as high on your vehicle or structure as possible using an appropriate base and suitable hole or magnetic surface depending on mounting hardware
Installation tools required	16mm spanner for whip securing onto base.



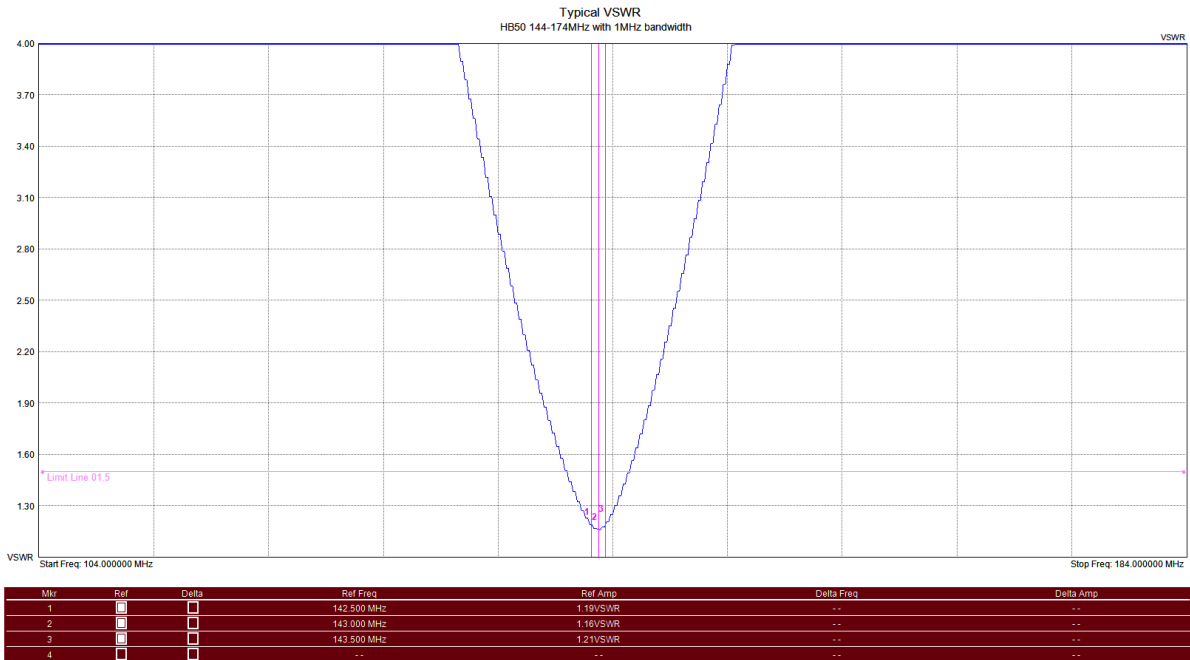
5/16"-26 brass female threaded ferrule



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Typical VSWR from factory - field tune to 1MHz bandwidth once installed

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### Recommended mounting hardware



OB-4.7 - Australian standard OB base with 4.7 metres RG58 cable and UHF Male PL259 supplied, not fitted, also available in 8.0m length.  
16mm mount hole  
Requires 11mm spanner



MGB-OB - Magnetic base with Australian standard OB base, 4.7 metres RG58 cable, no connector  
105mm diameter



OB-2 - Australian standard OB base with 5/16"-26 brass male thread  
16mm mount hole  
Requires 11mm spanner



MS Base - Stainless steel parallel spring with 5/16"-26 brass male thread and female thread  
requires OB base or MGB-OB

### 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 - Knock-down antenna mount, powder coated black  
16mm mount hole with 5.5mm cable hole



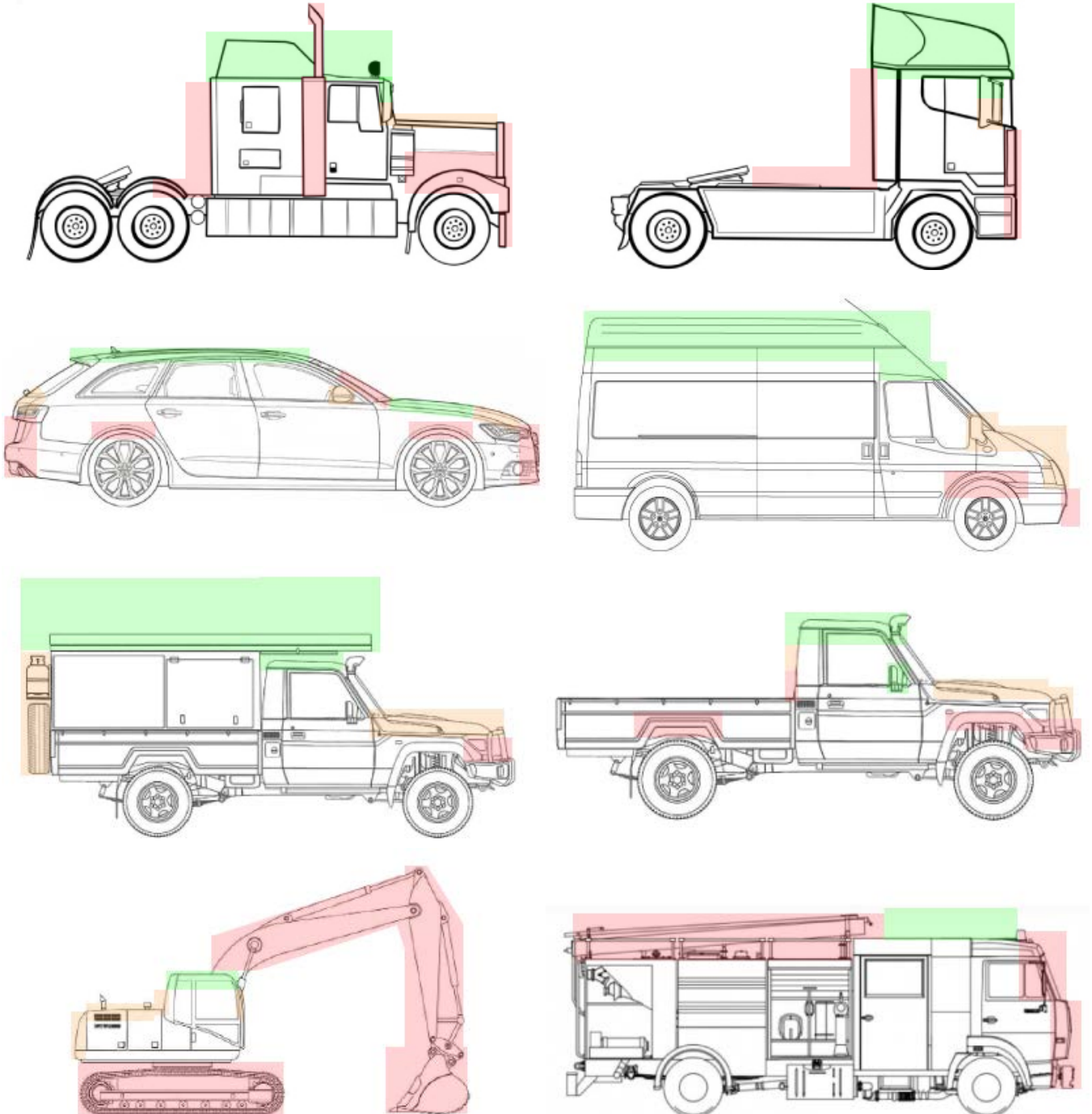
ATLM series - Adjustable bonnet, boot and door jam mount. 360 rotational and 140 degree adjustment  
16mm mount hole  
Black or Chrome  
Includes 5mm and 2mm allen keys

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Vehicle Mounting locations



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