

M35T, M41T & M42T

Type 17-7PH stainless steel whips

UHF 300-520MHz



For the UHF 300-520MHz range, the M35T, M41T and M42T whips are the ideal solution, with the flexibility to be vehicle mounted or in a fixed position location.

These whips require a cable assembly or base, please order base to suit your requirements, or contact your ZCG sales consultant for more information.

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

	M35T	M41T	M42T
Construction	Type 17-7PH tapered stainless steel whip and chrome ferrule		
Frequency range	UHF 300-400MHz	UHF 400-520MHz	
Tuning	Field trim to required frequency using a SWR meter - <u>remove grub screw and trim from base of whip</u>		
Gain - nominal	2.1dBi		
Ground independent	No requires minimum 1/2 wave metallic ground plane or ground independent base such as ZN4-77-01 - 477MHz only		
Maximum power	50 Watts		
Polarisation	Vertical		
H Plane	360° omni-directional		
Height before tuning	350mm	206mm	250mm
Weight	45grams	43grams	80grams
Mount ferrule thread	5/16"-26 TPI female	M6-1.0 female	5/16"-26 TPI female
Mounting hardware order separate	Cable base: OB-4.7 Magnetic base: MGB-OB	Cable base: XB-4.7 Magnetic base: MGB-XB	Cable base: OB-4.7 Magnetic base: MGB-OB
Mounting position recommended	Mount as high on your vehicle or structure using an appropriate base with 16mm bracket, magnetic base or spring base		
Installation tools required	5/8" or 16mm spanner for ferrule securing to base 2.5mm allen key for grub screw securing/tuning Network analyser or SWR meter		

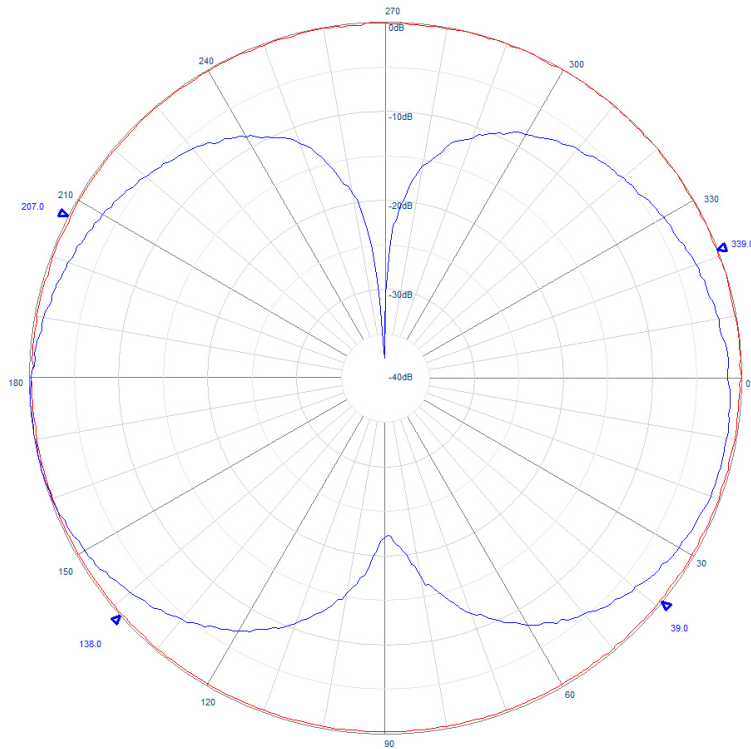


Remove the M4 grub screw and tune by trimming base of whip to required frequency utilising a SWR meter or network analyser

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Example radiation pattern - with minimum 1/2 wave ground plane or ground independent base


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Recommended mounting hardware - M35T and M42T only



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




OB-2 - Australian standard OB base with 5/16"-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

Recommended mounting hardware - M41T only




XB-4.7 - OB style base with M6 thread, 4.7 metres MIL-SPEC RG58 cable, no connector supplied
16mm mount hole
Requires 15mm spanner



MGB-XB - Magnetic base with OB style base with M6 thread, 4.7 metres MIL-SPEC RG58 cable, no connector
105mm diameter



XB Base Assy - Black OB style base with M6 male thread
16mm mount hole
Requires 15mm spanner



Suitable Termination
P/N 7900
UHF male solder pin, twist style connector for MIL-SPEC RG58 coaxial cable

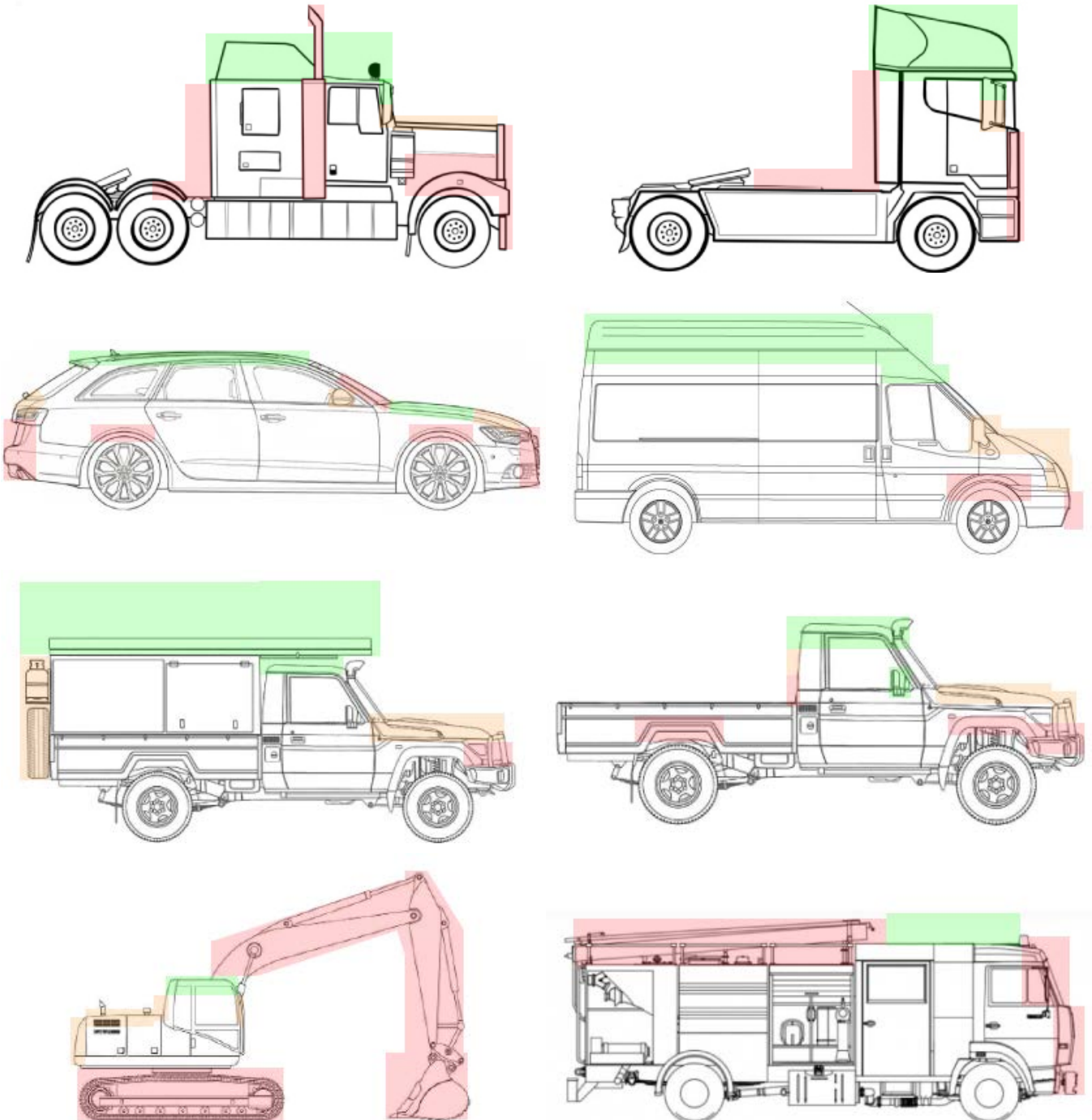
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Build
To
Order
Minimum Order
Qty 10

Vehicle Mounting Locations



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