



## M35T, M41T & M42T

Type 17-7PH stainless steel whips

UHF 300-520 MHz



For the UHF 300-520 MHz 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 300-400 MHz	UHF 400-520 MHz	
Tuning	Field trim to required frequency using a SWR meter - <u>remove cap and trim from tip of whip</u>		
Gain - nominal	2.1 dBi		
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 Adhesive to secure cap once tuned Network analyser or SWR meter		

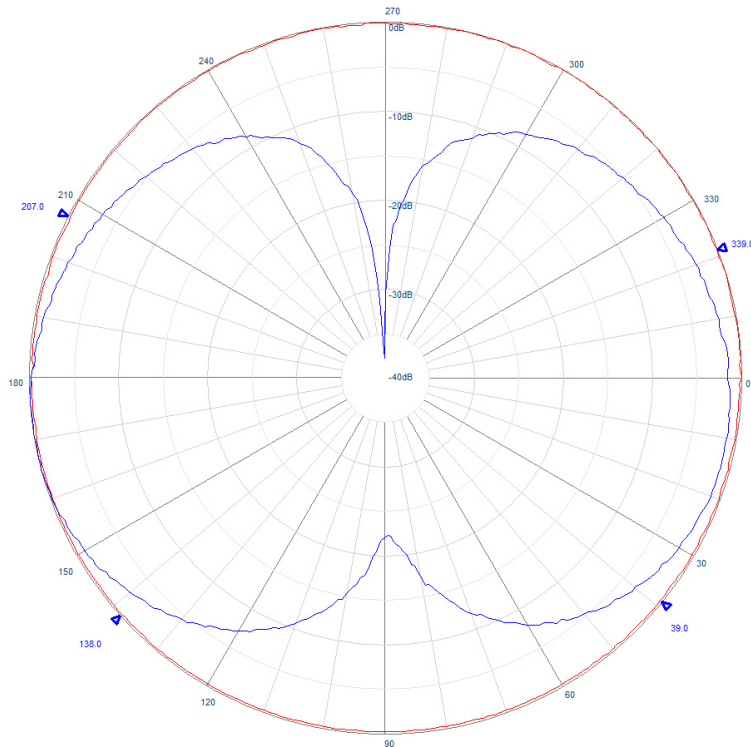




# M35T, M41T & M42T

Type 17-7PH stainless steel whips

UHF 300-520 MHz




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

## M35T, M41T & M42T

Type 17-7PH stainless steel whips

UHF 300-520 MHz

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



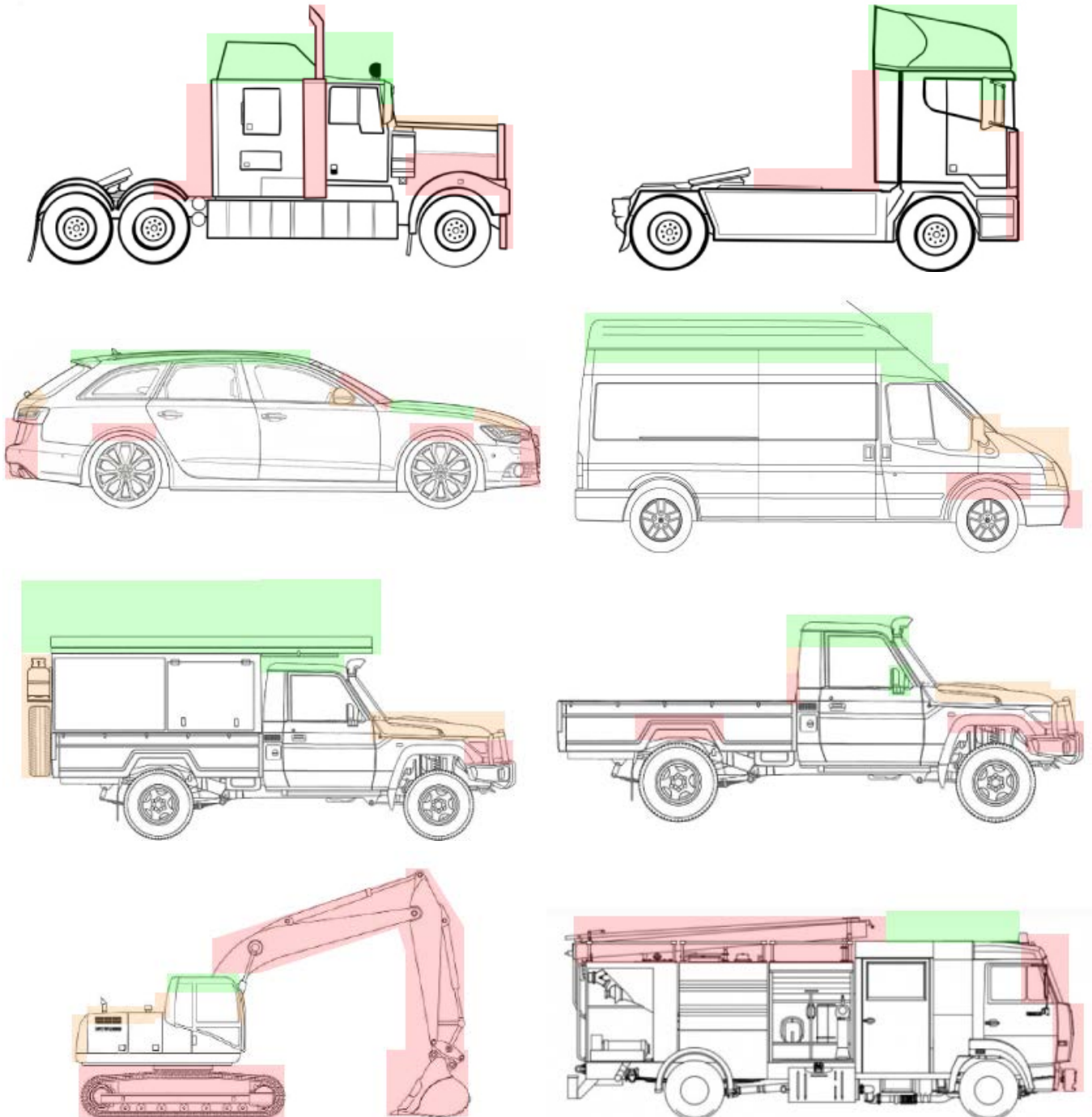
Suitable Termination  
P/N 7900  
UHF male solder pin, twist style connector for MIL-SPEC RG58 coaxial cable

# M35T, M41T & M42T

Type 17-7PH stainless steel whips

UHF 300-520 MHz

Vehicle Mounting Locations



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