

**M21T and M22T
VHF High Band Whips**

Frequency
144 – 174 MHz

Bandwidth
Field Trim



For the VHF high band range 144 to 174 MHz, these 2.1 dBi gain whips can be mounted to any antenna base with 5/16"–26 TPI thread and trimmed in the field to the desired frequency using an SWR meter.

- ⇒ **M21T** is tapered stainless steel. To field trim, loosen the grub screw in the chrome plated brass ferrule, remove the whip and trim gradually from the bottom.
- ⇒ **M22T** is fibreglass with copper braid, black heatshrink covering and chrome plated brass ferrule. Remove the black cap and trim from the top.

These whips can be mounted in various positions on a vehicle, or some other fixed location.



SPECIFICATIONS	M21T	M22T
Construction	Tapered stainless steel, chrome plated brass ferrule	Fibreglass core, copper braid, black heatshrink cover, chrome plated brass ferrule
Frequency Range	VHF 144 to 174 MHz	VHF 144 to 174 MHz
Tuning	Trim in the field to desired frequency using an SWR meter	
VSWR	Less than 1.5:1	Less than 1.5:1
Nominal Gain	2.1 dBi	2.1 dBi
Maximum Power	50 Watts	50 Watts
Impedance	50 Ohms	50 Ohms
Polarisation	Vertical	Vertical
Height prior trim	55 cm	53 cm
Weight	50 grams	65 grams
Mount Ferrule	5/16"–26 TPI thread	5/16"–26 TPI thread

Mounting bases recommended and available separately



OB-2
Australian Standard UHF OB Base, Black, 5/16"–26 TPI thread, no cable, no connector



OB4.7
OB-2 Base, Black, 4.7 metres RG58 low loss stranded cable, UHF male solder connector supplied (not fitted)



MGB-OB
Magnetic OB-2 Base, steel with polished black powder coat finish, 10.5 cm diameter, heavy duty magnet, PVC matted pad on bottom, 4.7 metres RG58 low loss stranded cable side exits, no connector



OB4.7-BNC
OB-2 Base, Black, 4.7 metres RG58 low loss stranded cable, BNC male crimp connector fitted

OB-1.5BNC
OB-2 Base, Black, 1.5 metres RG58 low loss stranded cable, BNC male crimp connector fitted

MS Base



The "MS Base" medium duty stainless steel spring with 5/16"–26 TPI male and female threads will suit any mobile whip being mounted onto our OB-2 antenna bases. Screw the spring onto the base and the whip onto the spring.

- ⇒ 60 mm tall x 20 mm diameter.
- ⇒ 5/16"–26 TPI male and female threads.

All these antenna mounting bases will require a metal ground plane for effective performance.