

Section 4a

MOBILE ANTENNAS

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M45T Highly Flexible UHF Whip

Frequency
400 – 520 MHz

Bandwidth
Field Trim



Just 17 cm tall with 2.1 dBi gain, M45T is a highly flexible UHF whip ideally suited in situations where rough treatment and hard knocks will be commonplace.

Virtually unbreakable, construction consists of a multistranded stainless steel core, UV stabilised heatshrink covering and chrome plated brass ferrule.

Mount the whip to any antenna base with 5/16"–26 TPI thread and trim in the field to the desired frequency within the UHF range 400 to 520 MHz using an SWR meter.

SPECIFICATIONS	M45T
Construction	3/16" multistranded stainless steel core, UV stabilised heatshrink covering and chrome plated brass ferrule
Frequency Range	UHF 400 to 520 MHz
Tuning	Trim in the field to the desired frequency using an SWR meter
VSWR	Less than 1.5:1
Nominal Gain	2.1 dBi
Maximum Power	50 Watts
Impedance	50 Ohms
Polarisation	Vertical
Height prior trim	17 cm
Weight	32 grams
Mount Ferrule	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

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

Whilst it is appropriate to calculate a dimension for a quarter wave whip, the final tuned length will depend heavily on the size, shape and nature of the ground plane. This can differ from a calculated length.

Remove the cap from the whip and always start your fine trimming at a longer length than calculated ! It is important to take your SWR meter readings with the cap back in place. Trim the whip length very gradually. Glue the cap permanently in place when finished.