

# Military HF Mobile Whip Antennas

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The various AT Military HF whips antennas are designed to be used with an Automatic Antenna Tuning Unit (ATU), such as the [AT T-1](#). They are suitable for mounting on any horizontal, flat surface. They can be supplied with any hole pattern base. They are extremely rugged, and meet MIL-STD 810 and Australian Defence Standard DEF-STAN 00-35. The standard version is 3 metres high, and designed for mobile operation. Extra elements are available as an option so that it can be transformed into a 6m whip for stationary use—a guy kit is included. The [AT T-1 tuner](#) should be used with this configuration. A Near Vertical Incidence Skywave (NVIS) kit is included, for enhanced close-in operation. Other variants are available in 2.4m and 3.0m lengths, with high-impact shock mounts or more cost-effective springs. The shock mount variant can be flexed to 90° from the vertical with no damage caused to the base unit and whip antenna. Carbon-fibre and aluminium elements are available.

### Specifications

Electrical		
Frequency range	1.6 to 30MHz, tuner-dependant	
Power rating	1kW PEP	
Nominal Impedance	Untuned (tuner required)	
Radiation Pattern	Omni directional	
Polarisation	Vertical or pulled to an angle for NVIS	
High voltage whip contact protection	11 kVAC	
Mechanical		
Height	2.4m, 3m or 6m options	
Base hole pattern	Any NATO pattern, or user-defined	
Installation kit supplied	Gasket, socket-headed set-screws, nuts, washers and 500mm ATU connection lead	
Input connector	Insulated High Voltage stud (6m)	
Environmental	Ambient	-21 to +70C; DEF-STAN 00-



A1

	temperatures	34, test CL1 and test CL4
	Relative humidity	98%; DEF-STAN 00-35
	Altitude	3,00m ASL; DEF-STAN 00-35
	Immersion	1.5m; DEF-STAN 00-35
	Driving Dust	DEF-STAN 00-35
	Corrosion/Salt	DEF-STAN 00-35
	Contamination	DEF-STAN 00-35
	Drop	DEF-STAN 00-35
	Vibration	DEF-STAN 00-35
Packed dimensions and weight	3m carbon fibre whips	170mm H x 170mm W x 1,430mm L, 4.8kg
Weight	3m carbon fibre whips	3.8kg (Base, shockmount, 2 elements and gasket)
Colour		Customer-specified

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Preliminary

3m whip, shockmount, carbon-fibre elements	02-4010-001
3m whip, mechanically-matched barrel spring, carbon-fibre elements	02-4011-001
2.4m whip, mechanically-matched barrel spring, aluminium elements	02-4012-001

**Military HF Mobile Whip Antennas - APC - Tank**