

3010-905-100

CHELTON

HF Vehicle Whip Antenna

The 3010-905-100 HF Vehicle Whip Antenna is designed for tactical communications on vehicles.

This rugged whip antenna is capable of high impact performance against obstacles and can protect against high voltage overhead power lines.

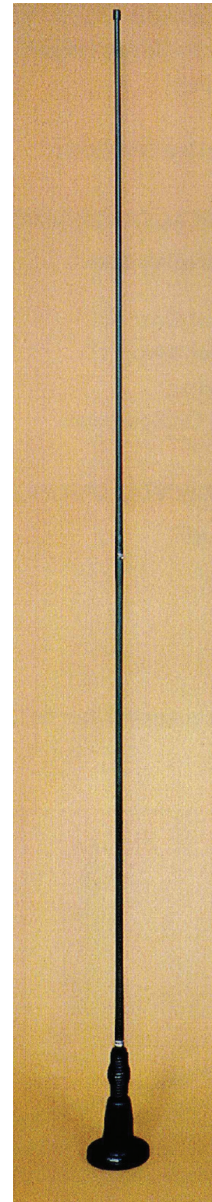
Suitable for use with a wide variety of HF radio tuners, the antenna operates over the 2 MHz to 30 MHz band.

The whip is constructed from five, radiating elements which, when assembled, have an overall length of approximately five metres.

The whip is mounted onto a rugged thermoplastic moulded base, using a robust stainless steel coil spring to reduce impact shock.

The base is designed to support the five metre whip when the vehicle is stationary. When the vehicle is mobile the whip must be tied down to a suitable point with the tie-down supplied in the kit.

The base fixing to the vehicle is either 3 and 6 hole NATO or 4 hole USA pattern template.



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ELECTRICAL

Frequency Range	2 MHz - 30 MHz
Polarisation	Vertical
Radiation Pattern	Omnidirectional
Power Rating	160 W CW (maximum)
Impedance	50 ohm (nominal)
Connectors	Nut, gland and washer to suit multi-core HF feeder cable
Overhead Line Protection	16 kV RMS 50/60 Hz

MECHANICAL

Height	5.5 m (maximum)
Base Diameter	145 mm (maximum)
Whip Sections	5
Section Diameter	20 mm (maximum)
Weight of Complete Kit	7 kg (maximum)
Mounting Configuration	UK/NATO 6 hole pattern or USA 4 hole pattern

ENVIRONMENTAL

Temperature	Operational:	-40°C to +70°C
	Storage:	-55°C to +85°C
Humidity	Up to 95% RH up to 55%	

