

Application

The APX52 is constructed for land mobile services in the HF band 1.6-30 MHz. It consists of four whip sections and a base assembly. The base assembly is equipped with heavy duty spring coil to absorb shocks and to allow for a semi permanent deflection of the antenna when the vehicle is mobile. A tilt base is also available to fully lower the whip. A rigid version of the base is also available for naval or fixed platforms. To reduce visual signature the antenna can also be used with only two sections with reduced performance.

Electrical specifications

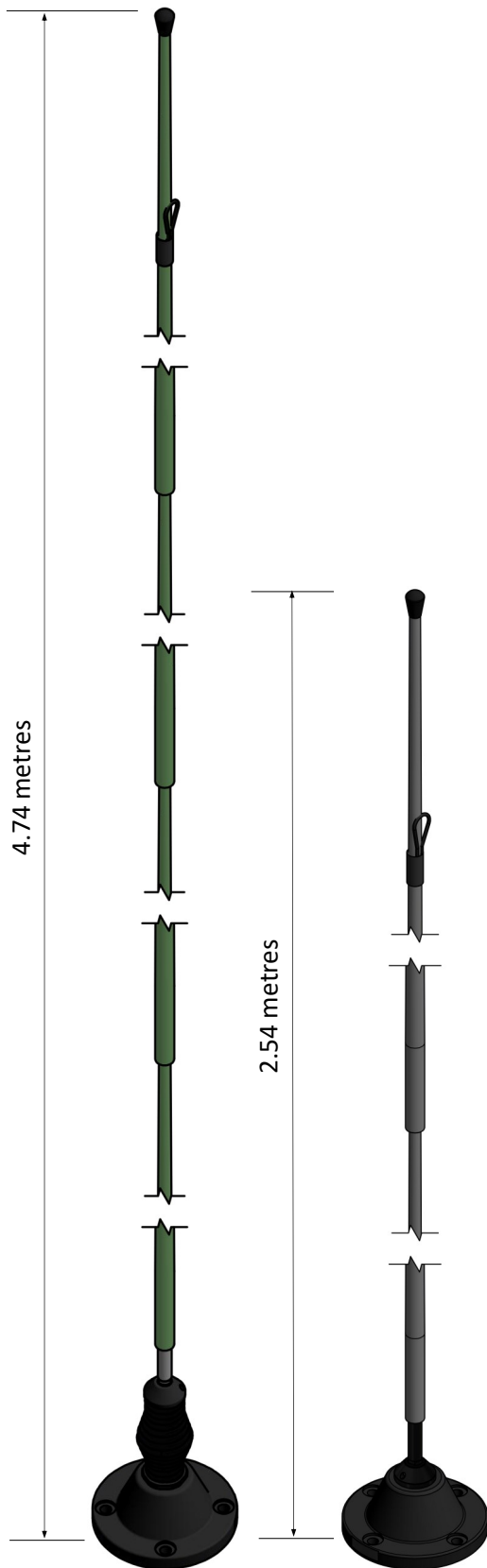
Frequency range	1.6-30 MHz
Electrical length	4.7 m
Power rating	400 W
Radiation diagram	Omnidirectional
Polarisation	Vertical

Mechanical specifications

Design	End fed whip. Radiating elements completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Length	2 sections: 2.54 m (8.3 ft) 4 sections: 4.74 m (15.4 ft)
Weight	4 sections: 4.5 kg
Finish	Polyurethane lacquer, olive. Other colours on request
Temperature range	-55 °C, +71 °C; -67 °F, +160 °F

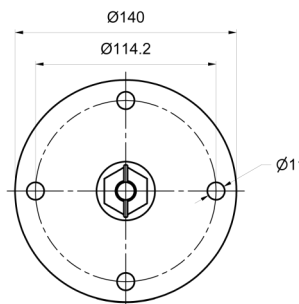
Mounting

Spring and rigid bases fit onto a standard NATO four-bolt pattern. An optional six hole pattern is also available.



4-section
Spring Base

2-section
Rigid Base



Standard 4-hole Mounting

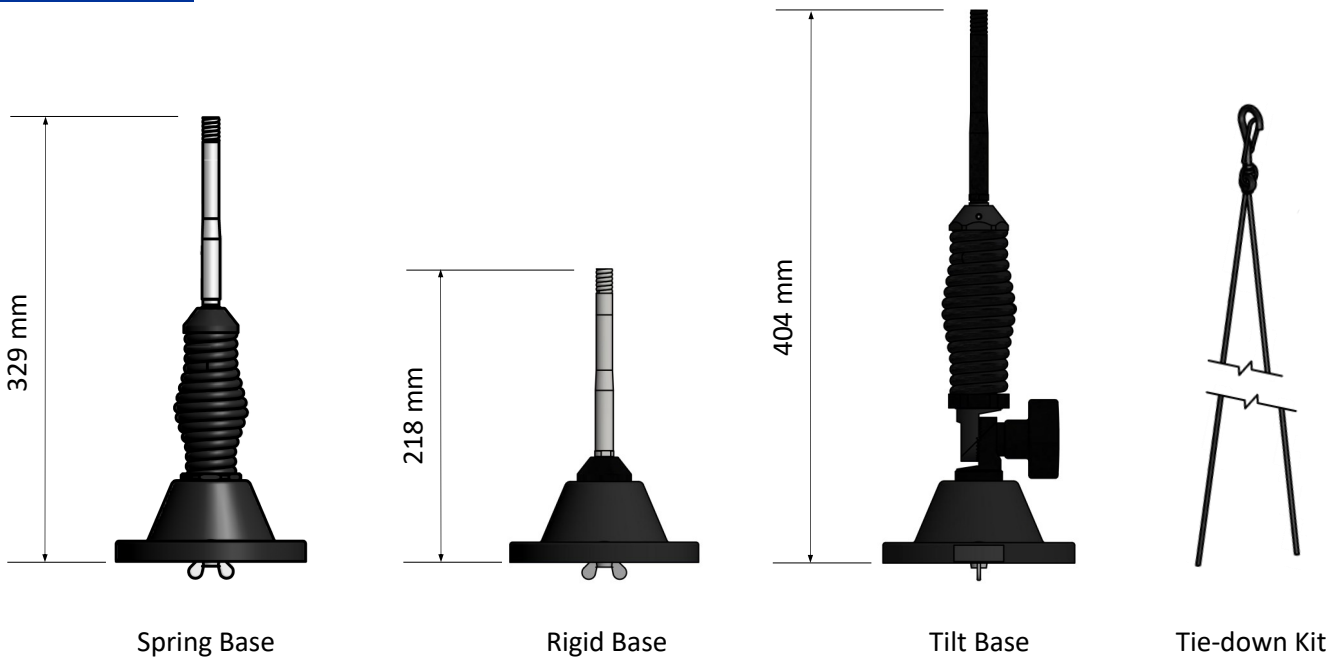


RF cable attachment point

Parts and Dimensions



Bases and Options



Options

Mounting kit	Bolt kits used to fix the antenna to the platform. Metric and Imperial sizes available
Whip section bag	For added protection during transportation
High voltage cable	RF connection between the transceiver/coupler and antenna base