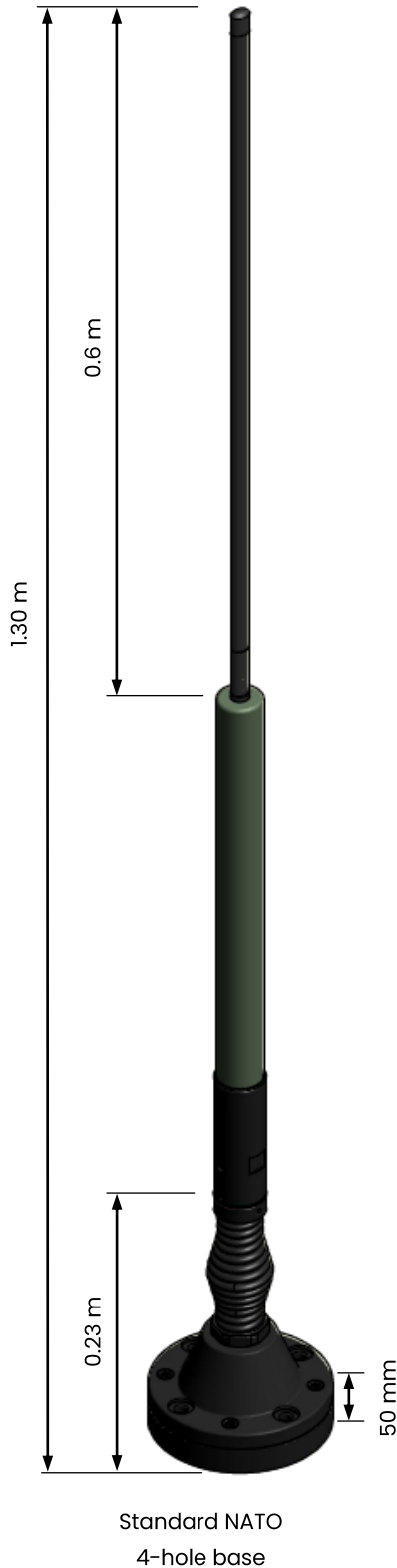


VHF30512LP-2

VHF/UHF vehicle whip, monopole, low profile, 1.3 m, 30–512 MHz

Tactical Antennas: Vehicle Mount



Features

- Low profile design
- 30–512 MHz
- Single connector VHF/UHF
- Designed for operation on all kinds of vehicles including armoured vehicles
- Suitable for operation on shelters and to be mounted on masts or in other permanent installations
- Rugged high quality antenna with a durable construction
- NATO 4-hole flange base with spring
- Flexible blade at the top of the whip
- Requires a ground plane
- L1/L2 GPS base option available

Electrical Specifications

Frequency Range	VHF/UHF: 30–512 MHz
VSWR	VHF/UHF: < 3.5:1 (see graph)
Nominal Impedance	50 Ω
Power Rating	VHF/UHF: 75 W
Gain	VHF/UHF: -13 to -1 dBi (see graph)
Radiation Pattern	Omnidirectional within ± 0.5 dB
Polarisation	Vertical
Connector	BNC female* (others on request)

Mechanical Specifications

Design	VHF/UHF End feed monopole. Radiating elements completely enclosed in epoxy/fibreglass laminate. Metal parts are brass, stainless steel and aluminium.
Length *	1.3 m
Weight *	Whip: 1.3 kg Base: 2.6 kg
Wind Rating	55m/s
Finish	Polyurethane lacquer
Temperature Range	- 55°C to + 71°C

* Standard base version

GPS Electrical Specifications (option)

Configuration	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 ± 10 MHz	L1 1575.42 ± 10 MHz L2 1227.60 ± 10 MHz
Supply Voltage	2.7-5.5 V	2.7-5.5 V
Pre-amplifier	26.5 dB @ 5 V	26.5 dB @ 5 V
Noise Figure	2.5 dB	2.5 dB
Supply Current	< 40 mA	< 60 mA
Polarisation	RHCP	RHCP
Connector	SMA female	SMA female



CEF connection
(top of the base)

Antenna Base Options

Bases are available with optional L1 and L1/L2 GPS. All bases are supplied with a protective top cap (not shown).



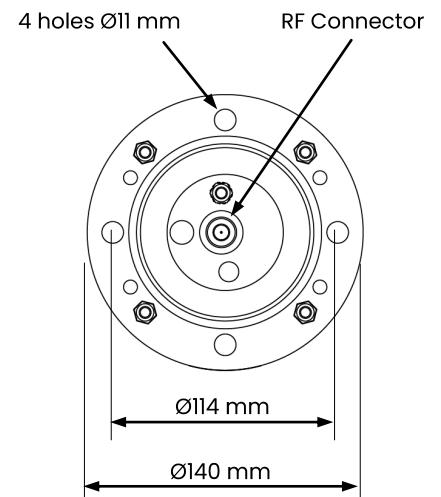
A
NATO 4-hole Spring
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 240 mm



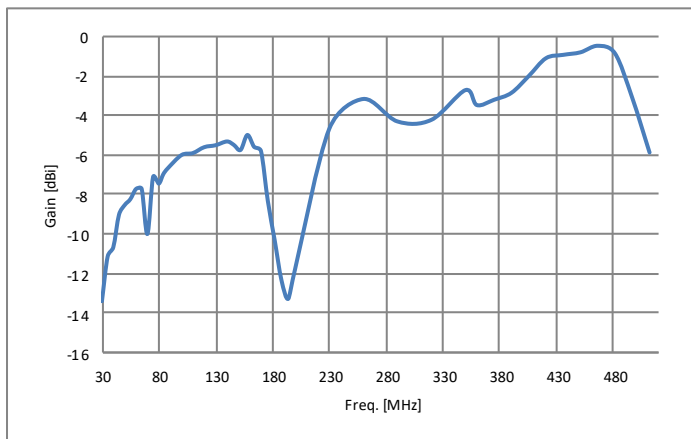
B
NATO 4-hole Spring GPS
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 280 mm



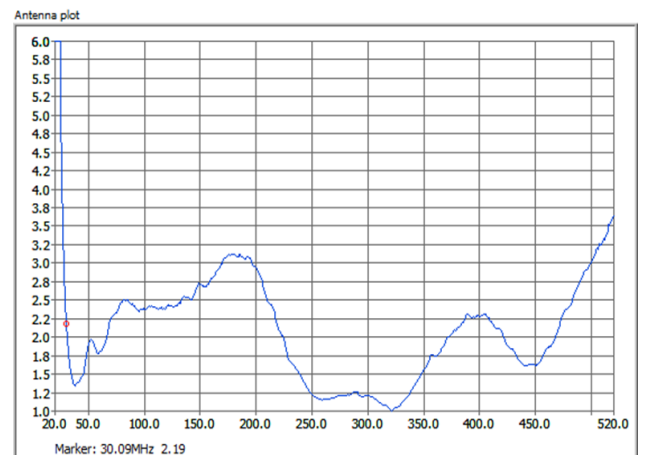
C
NATO 4-hole Rigid
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 240 mm



Gain and VSWR Curves



Typical gain curve mounted in the centre of a 1.2m x 1.2m ground plane



Typical VSWR, mounted on corner of 3 x 3m ground plane

September 2018

All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

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