

### Features:

- 30-88 MHz & 225-512 MHz
- L1 and L1/L2 GPS option
- 2-ports version for VHF and UHF  
3-port version for VHF, UHF and GPS
- 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 flange base with spring.
- Mast mount bracket option
- UHF antenna element located at the top of the whip for maximum range
- VHF requires a ground plane

### Electrical specification

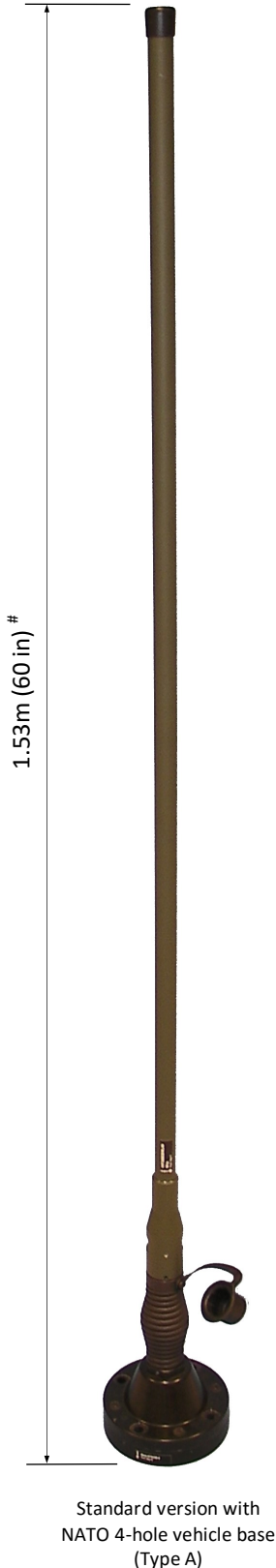
Frequency range	VHF: 30-88 MHz UHF: 225-512 MHz GPS: L1/L2 1575/1227 ± 10 MHz (option)
VSWR	VHF: < 3.5 UHF: < 3.5
Port-to-port isolation	> 35dB
Nominal impedance	50 Ω
Power rating	VHF: 100W CW UHF: 50W CW
Gain	VHF: -5 to 1 dB rel. ¼-whip UHF: -3 to 1.5 dBi
Radiation pattern	Horizontal plane: Omni-directional
Polarization	Vertical
Connector	VHF: TNC female (others available on request) UHF: N female (others available on request) GPS: SMA female (option)

### Mechanical specification

Design	VHF: End feed monopole. UHF: Center feed dipole. Radiating element completely enclosed in epoxy/fiberglass laminate. Metal parts are brass and stainless steel.
Length #	1.53m *
Weight	Whip: 1.1kg Base: 2.6kg *
Wind rating	55m/s
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F

\* Weight with standard NATO 4 hole vehicle base. Base options specified overleaf.

# Nominal dimensions subject to manufacturing tolerances.

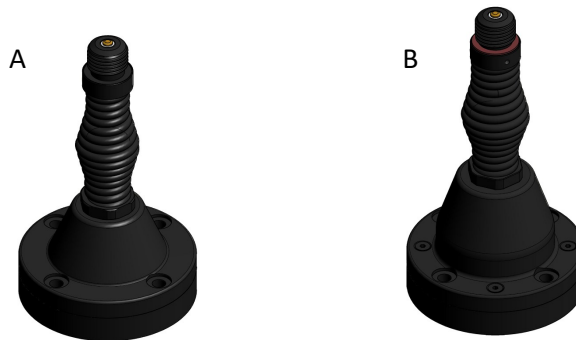


## Electrical Specification (optional GPS)

Configuration	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 ± 10 MHz	L1 1575.42 ± 10 MHz L2 1227.60 ± 10 MHz
Supply Voltage	2.7-5.5V	2.7-5.5V
Pre-amplifier	25 dB @ 5V	25 dB @ 5V
Supply Current	< 60mA	< 60mA
Polarisation	RHCP	RHCP
Connector	SMA female	SMA female

## Vehicle and shelter bases

Bases are available to suit most vehicle and shelter installations. Bases are available with optional L1 & L1/L2 GPS. All bases are supplied with a protective top cap.

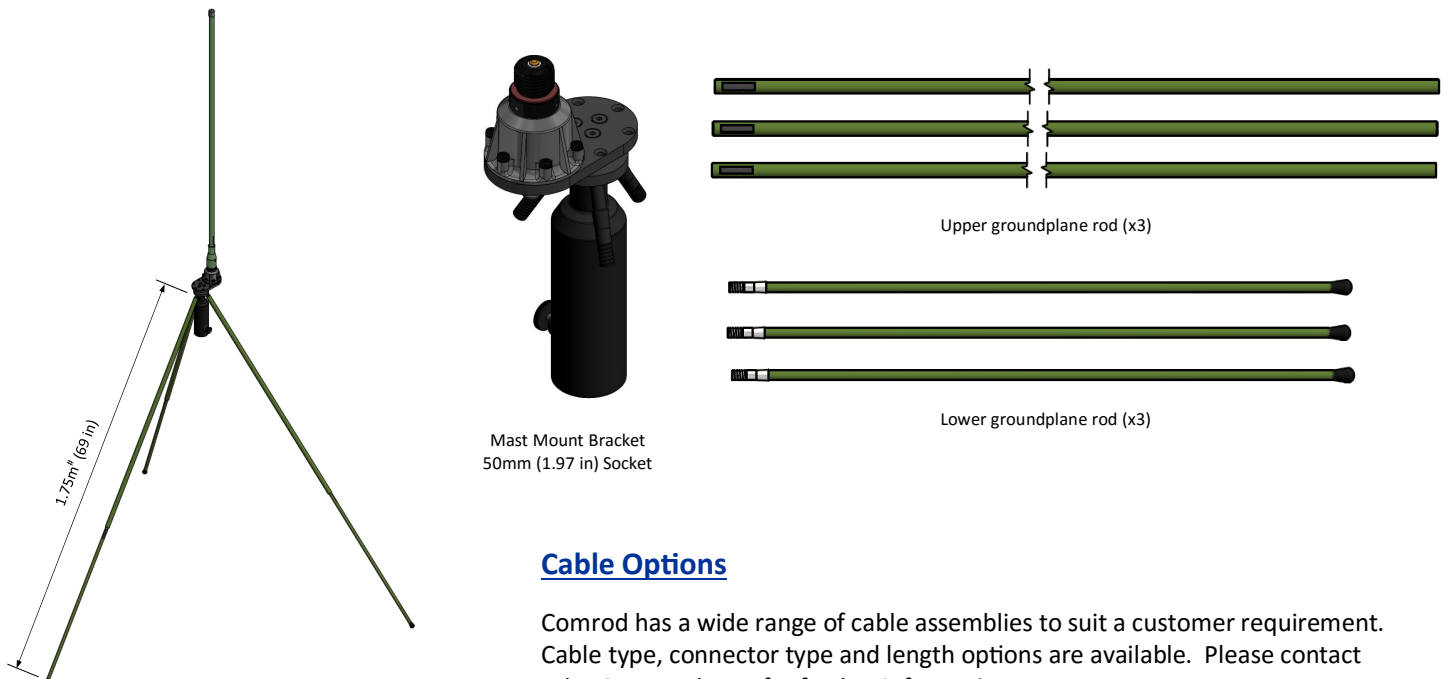


A  
NATO 4-hole Spring Base  
4 x M10 or 3/8" Bolts  
on 114mm (4.5in) PCD  
Base diameter 140mm (5.5in)  
Base height 240mm (9.5in)

B  
NATO 4-hole Spring GPS Base  
L1 & L1/L2 GPS available  
4 x M10 or 3/8" Bolts  
on 114mm (4.5in) PCD  
Base diameter 140mm (5.5in)  
Base height 262mm (10.3in)

## Mast bracket kit (option)

A mast bracket option is available to suit mast and shelter installations. The mast bracket has a 50mm socket to interface with a mast or pole and is supplied with a radial kit to provide a groundplane for the VHF (monopole) part of the antenna.



Mast Mount Bracket  
50mm (1.97 in) Socket

Upper groundplane rod (x3)

Lower groundplane rod (x3)

## Cable Options

Comrod has a wide range of cable assemblies to suit a customer requirement. Cable type, connector type and length options are available. Please contact sales@comrod.com for further information.