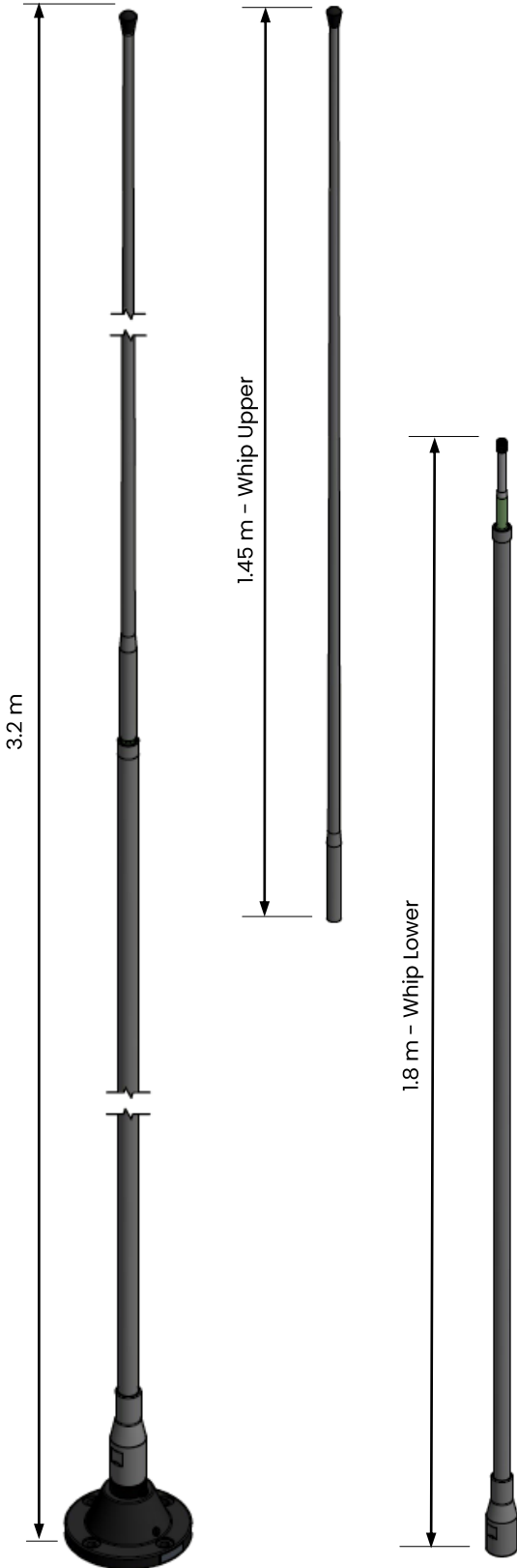


VHF30108VM-Ship

VHF sectional vehicle whip, dipole, 3.4 m, 30-108 MHz
Commercial and Marine Antennas



Standard NATO
4 hole base (C)

Application

The VHF30108VM is a rigid mount dipole whip antenna which has been developed for shipboard applications.

The antenna is ground independent and operates over the full 30-108 MHz frequency band. VHF30108VM has been fully tested to meet the demands of equipment used in a shipboard military environment.

Electrical Specifications

Frequency Range	30 - 108 MHz
VSWR	See diagram
Nominal Impedance	50 Ω
Power Rating	100 W
Gain	See diagram
Radiation Pattern	Azimuth: Omnidirectional Elevation: See overleaf
Polarisation	Vertical
Connector	BNC Female, others on request

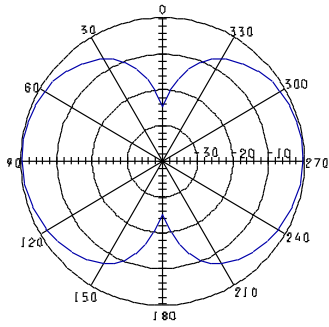
Mechanical Specifications

Design	Centre fed dipole. Radiating elements completely enclosed in epoxy/fibreglass laminate. Metal parts are plated brass and stainless steel.
Length*	Total: 3.2 m Lower Whip: 1.8 m Upper Whip: 1.45 m
Weight	Whips - 1.65 kg Complete - 2.65 kg*
Wind Rating	55 m/s
Finish	Polyurethane lacquer
Colour	Customer Specified
Installation	See base option table
Temperature Range	- 55°C to + 71°C

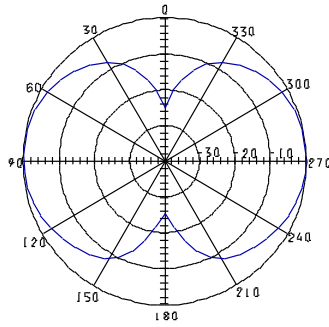
* Weight with standard NATO 4 hole rigid base. Base options specified overleaf.

Nominal dimensions subject to manufacturing tolerances.

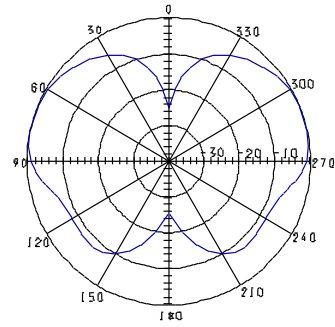
Radiation Diagram, Elevation



30 MHz

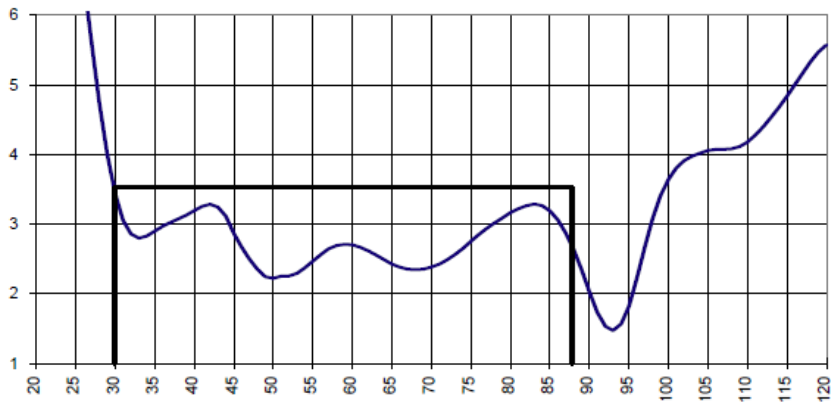


60 MHz

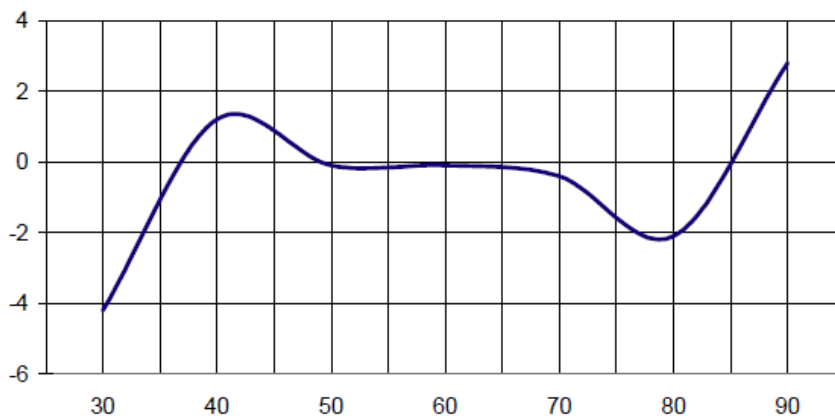


88 MHz

VSWR



Gain, Relative $\frac{1}{4} \lambda$ whip on GP



Antenna Base Options

Bases are available to suit most installations including vehicle, mast and shelter mounting. Many are available with optional L1 and L1/L2 GPS. All bases are supplied with a protective top cap. See below for mounting options:-

A



NATO 4-hole Spring
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 215 mm

B



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

C



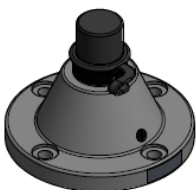
NATO 4-hole Rigid
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 100 mm

D



NATO 4-hole Rigid GPS
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 125 mm

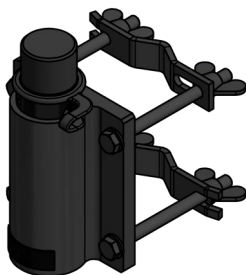
Bases A,B,C and D are also available with optional NATO 6-hole pattern 6 x M6 or 1/4" Bolts on 111 mm PCD



Bases can be supplied painted to match the antenna element colour as an option.

Mast or Pole Mounting Options

E

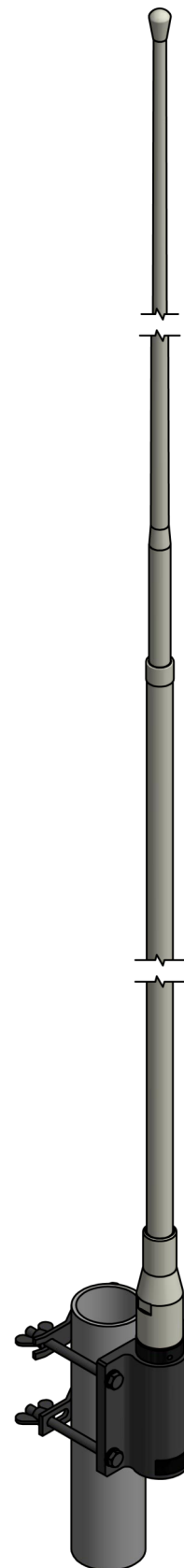


Mast Mount Bracket
Tube clamp to suit poles
up to Ø 65 mm

F



Tube Clamp Adaptor
Clamp area diameter 38 mm
Clamp area length 80 mm
N-type female bottom
connector



VHF30108VM shown in grey, pole mounted using mast mount bracket K

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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