

Application

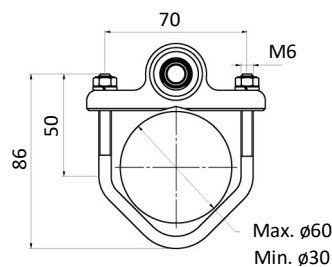
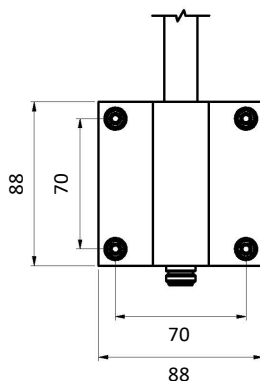
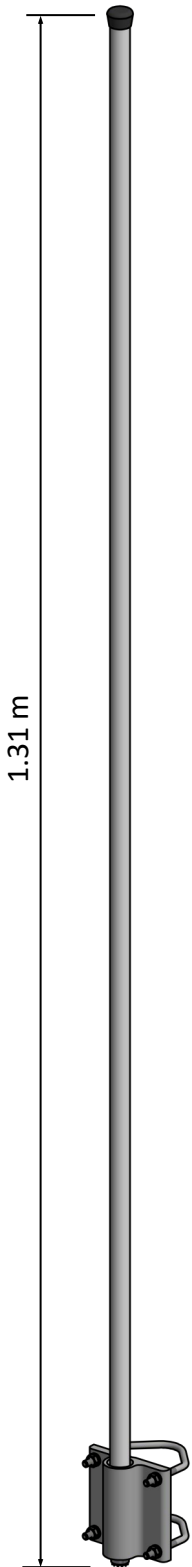
The VHF118144M is a centre-fed coaxial half-wave dipole for the aeronautical communication band 118-144 MHz. The dipole element is embedded in polyurethane foam and enclosed in a fibreglass reinforced tube. The upper and lower dipole elements are DC grounded.

Electrical specifications

Frequency range	118-144 MHz
Nominal impedance	50 ohm
Power rating	100 W
Gain	2 dbi
Pattern	Omnidirectional
Polarization	Vertical
Connector	N-female
VSWR	< 2

Mechanical specifications

Design	Centre-fed coaxial dipole. Radiating elements completely enclosed in polyurethane foam within a fibreglass tube. Mounting bracket in aluminium.
Height	1.31 m (4.3 ft)
Weight	1.1 kg
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, white
Temperature range	-55 °C, +55 °C; -67 °F, +131 °F
Water Proofing	IP67



VHF118144M can be directly mounted to a bulkhead using the 4 x 7mm holes in the aluminium bracket, or to a mast or tube with the supplied stainless steel U-bolts. The mast or tube may be horizontal or vertical.

Suitable cable: RG58, RG213 or similar.