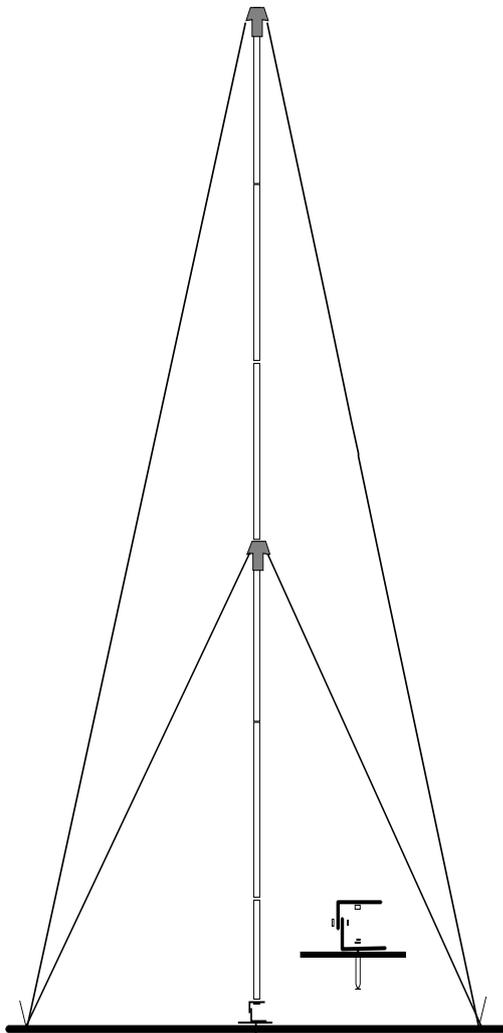




Type 9MPM

Portable Mast / HF Antenna System (NATO No. 5985/66/107/9535)



The Moonraker Portable Mast is designed to support wire antennas, and lightweight V/UHF antennas, such as the HF M2-30P, in situations where temporary radio communications are required. It may also be used as an HF antenna.

Constructed from 32mm (1.25in) corrosion resistant tempered aluminium, protected by a high durability epoxy based coating resistant to chemical attack, abrasion and the effects of ozone and ultra violet radiation, in six 1.5 metre (4.9 ft) slip together lengths, it is both lightweight and easy to erect and transport.

The mast is supplied complete with two sets of four 4mm (3/16 in) polypropylene braided cord guys, aluminium guy tensioners, aluminium guy fittings and stainless steel halyard pulley, guy stakes and heavy duty canvas carry bag. A hammer for stakes is available as an option.

A standoff insulator and connection screw at the base permit the mast to be used as a vertical antenna, if required. A range of frequencies between 6.6 and 30 MHz may be achieved by varying the mast length by removing mast sections. Note that an earth system is usually required for efficiency. The use of an antenna tuning unit (ATU) will allow 2-30MHz range.

For ease of erection the mast is supported on an adjustable angle mount fitted to a flat ground plate and location spike.

Specifications

Colour	Bronze Olive
Height	9m (29.5ft)
Minimum Guy Spread	Not less than 5m (16ft) radius
Guy Tension	Recommended 3 kg (6.6 lbs)
Halyard Tension	14kg (30.8 lbs) maximum at 90° to top of mast
Downward Pressure on Base	Up to 50kg (110 lbs) depending on guy and halyard tensions and wind velocity
Wind Loading	9.3 kg at 80 km/h (20.5 lbs at 50 mph) 5.3 kg at 60 km/h (11.7 lbs at 37 mph)
Weight	Mast plus guys, fittings and canvas carry bag: 12.0 kg (26.4lbs) Packed weight : 14.0kg (30.81 lbs)

Specifications subject to change – Issued 01/09/13

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