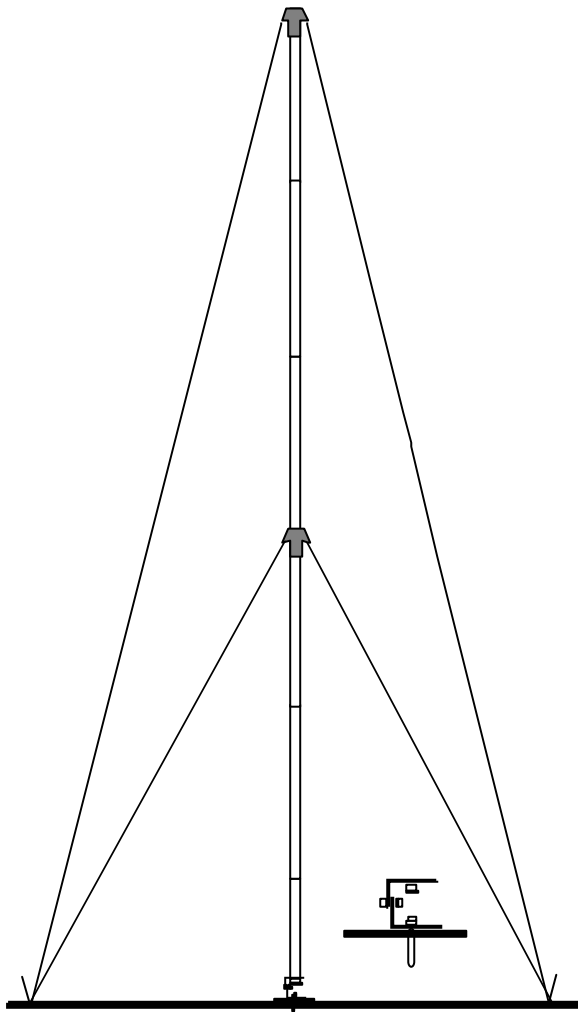




# M O O N R A K E R

## Type 9MPM

### Tactical Portable Mast / HF Antenna System (Nato No. 5985/66/107/9535)



The Moonraker Portable Mast is designed to support wire antennas, such as the HF M2-30P, in situations where temporary radio communications are required.

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) polyethylene braided cord guys, aluminium guy tensioners, cast aluminium guy fittings and stainless steel halyard pulley, guy stakes, hammer and heavy duty canvas carry bag.

A nylon 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.

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

## Specifications

|                                  |  |
|----------------------------------|--|
| <b>Height</b>                    | 9m (29.5ft)  |
| <b>Minimum Guy Spread</b>        | Not less than 5m (16ft) radius   |
| <b>Guy Tension</b>               | Recommended 3 kg (6.6 lbs)   |
| <b>Halyard Tension</b>           | 14kg (30.8 lbs) maximum at 90° to top of mast                                    |
| <b>Downward Pressure on Base</b> | Up to 50kg (110 lbs) depending on guy and halyard tensions and wind velocity     |
| <b>Colour</b>                    | Military drab olive green  |
| <b>Wind Loading</b>              | 9.3 kg at 80 km/h (20.5 lbs at 50 mph)<br>5.3 kg at 60 km/h (11.7 lbs at 37 mph) |
| <b>Weight</b>                    | Mast plus guys, fittings and canvas carry bag: 13.5 kg (29.7 lbs)                |

**Moonraker Australia Pty. Ltd.** A.C.N. 009 531 211 Specifications subject to change 6/02

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