



# MOONRAKER

## Type 15S/R

**Marine HF antenna for vessels  
where permanent mounting is not possible or not required**

The 4.6m (15ft) 15S/R antenna system is a larger version of our very popular type 12S/R emergency antenna system. Easily and quickly assembled or removed, this demountable whip is especially suitable for trailed craft or as an emergency antenna where a wire to masthead system is used, such as a backstay on yachts.

The antenna is easily assembled from two sections of 2.7 (9 ft) and 1.85m (6 ft), which are easily stored below deck. These sections slip together and fasten with two stainless steel self tapping screws and then screw into a permanently deck mounted feedthrough insulator to provide instant, efficient communications in the HF Band range from 2-30 MHz.

Antenna construction comprises light-weight marine grade tempered aluminium alloy tubing fully protected from the marine environment by a high durability epoxy based coating resistant to chemical attack, abrasion and the effects of ultra-violet radiation. The deckmount is of high density polyethylene with chromed bronze insert and stainless steel mounting bolt. Fittings are of nylon, stainless steel and chromed bronze with low loss coils (loaded top sections).

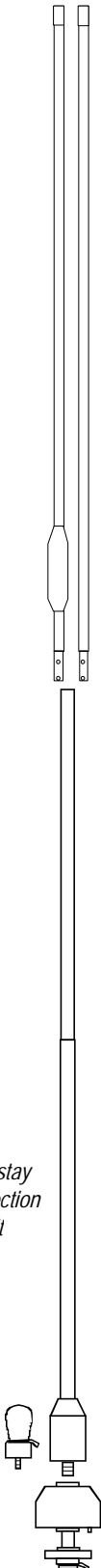
A backstay wire connection kit is available so that the deckmount may be used as a deck feedthrough insulator to feed a backstay antenna or the ship's main HF antenna. If dismasted or the main antenna is lost, the backstay feed wire connection may be removed and the whip antenna screwed into the deckmount.

The antenna is available unloaded or resonant at a single frequency (the highest to be used, normally 2.6, 4.6, 6.3, 8.3 or 10 MHz). For operation on frequencies lower than the resonant frequency, the difference is made up in the ATU.

### SPECIFICATIONS

<b>Type</b>	15S/R
<b>HF Marine Band</b>	2-30 MHz
<b>Length</b>	4.6 metres (15 ft)
<b>Pattern</b>	Omnidirectional
<b>Polarisation</b>	Vertical
<b>Base Diameter</b>	80mm (3.2 in)
<b>Frequency Range</b>	Pretuned to frequency, or unloaded 2-30 MHz with suitable ATU
<b>Wind Loading</b>	4.0 kg at 100 km/h (8.8 lbs at 60 mph); 6.8 kg at 130 km/h (15 lbs at 81 mph)
<b>Power Capability</b>	400W PEP for unloaded top sections, 250W PEP for normal loaded top sections; higher power to order
<b>Mountings</b>	One high density polyethylene deckmount 80mm diameter (3.2 in) with chromed bronze insert and stainless steel mounting bolt, mounting hole 25mm (1 in), fitting decks to 19mm (¾ in) thick.
<b>Connection</b>	Underdeck to lug on mounting bolt
<b>Packed Weight</b>	4.5 kg (9.9 lbs) with mountings

*Backstay  
Connection  
Kit*



Specifications subject to change 01/06

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