

MOONRAKER

Type 12S/R

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

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. Two sections of 1.85m (6ft) which may be easily stored below deck, screw together on a self locking taper and then into a permanently deck mounted feedthrough insulator to provide instant, efficient communications in the HF Band range from 2-30 MHz.

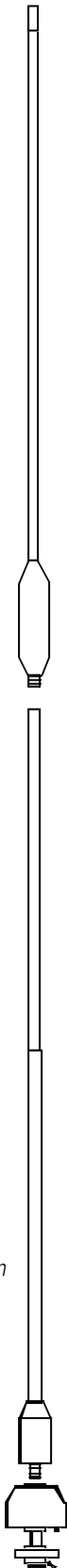
Antenna construction comprises light-weight marine grade tempered aluminium alloy tubing with black (optionally white) PVC coating for maximum protection from the marine environment and ultra violet radiation. The deckmount is of high density polyethylene with chromed bronze insert and stainless steel mounting bolt. Fittings are of nylon, stainless steel and chromed bronze with low loss coils.

A backstay connection kit is available so that the deckmount may be used as a deck feedthrough insulator to feed a backstay antenna. If dismasted, the backstay connection may be removed and the whip antenna screwed into the deckmount. It 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

HF Marine Band	2-30 MHz
Length	3.65 metres (12 ft)
Pattern	Omnidirectional
Polarisation	Vertical
Base Diameter	70mm (2.75 in)
Frequency Range	Pretuned to frequency, or unloaded 2-30 MHz with suitable ATU
Wind Loading	2.6 kg at 100 km/h (5.7 lbs at 60 mph) 4.4 kg at 130 km/h (9.7 lbs at 81 mph)
Power Capability	400W PEP for unloaded top sections, 250W PEP for normal loaded top sections; higher power to order
Mountings	One high density polyethylene deckmount 70mm diameter (2.75 in) with chromed bronze insert and stainless steel mounting bolt, mounting hole 25mm (1 in), fitting decks to 19mm (¾ in) thick.
Connection	Underdeck to lug on mounting bolt
Packed Weight	2.5 kg (5.5 lbs) with mountings

*Backstay
Connection
Kit*



Specifications subject to change 11/97

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