



# M O O N R A K E R

## DEEP SEA TWINS

**6.7 metre (22 feet) matched pair of HF and VHF antennas  
for vessels over 10.5 metres (34 feet)**

Deep Sea Twins provide high radiating efficiency in demanding service conditions for vessels that prefer the aesthetic look of matched HF and VHF antennas, like flybridge cruiser and higher speed craft.

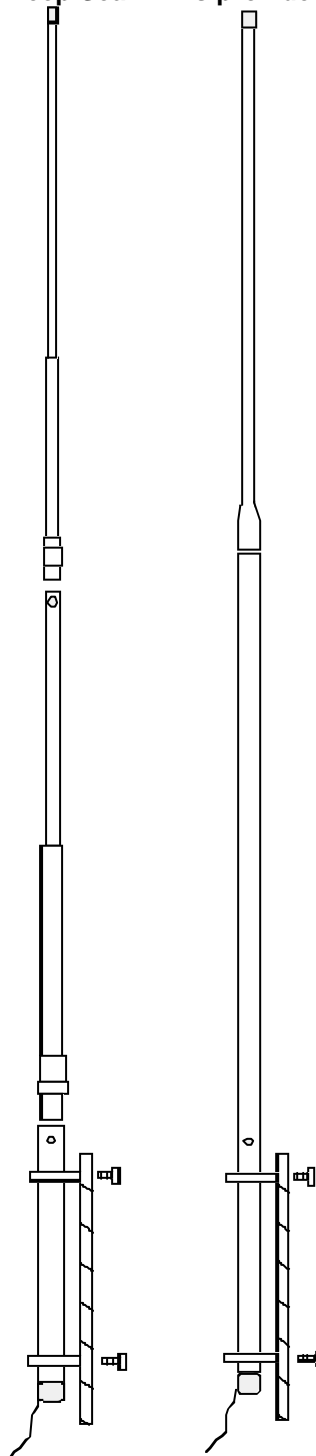
The *lookalike* pair consist of the high endurance side mounting type 22W HF whip together with a side mounting version of the type MD 1/2I VHF dipole antenna, matched in length.

Deep Sea Twins are constructed of marine grade tempered aluminium alloy, which provides a large low loss radiating surface. Maximum protection from the marine environment is provided by a high durability epoxy based coating, resistant to chemical attack, abrasion and the effects of ozone and ultra-violet radiation. Standard colour is white with black available on request. For ease of transportation, each antenna is comprised of three easily assembled sections.

Fittings are of nylon, stainless steel, marine grade aluminium and chromed bronze. The HF antenna is available loaded or unloaded with the VHF antenna pretuned to the marine band.

Mounting is by way of sidemount insulators (two per antenna).

### SPECIFICATIONS



	HF	VHF
<b>Frequency Range</b>	Pretuned to frequency or frequencies required or unloaded 2-30 MHz with suitable ATU	VHF Marine Band 156.8MHz (Channel 16)
<b>Length</b>	6.7 metres (22 ft)	6.7 metres (22 ft)
<b>Base Diameter</b>	32mm (1.25 in)	32mm (1.25 in)
<b>Pattern</b>	Omnidirectional	Omnidirectional maximum radiation 90°to radiator
<b>Polarisation</b>	Vertical	Vertical
<b>Bandwidth</b>	-	7MHz at 1.5 SWR points
<b>Gain</b>	-	2.2dBi
<b>Impedance</b>	-	50 ohms (nominal)
<b>Wind Loading</b>	7.7kg at 100 km/h (16.9 lbs at 60 mph); 13.0kg at 130 km/h (28.6 lbs at 81 mph)	
<b>Power Capability</b>	1kW PEP	80 Watts
<b>Connection</b>	2 Metres of silicone insulated flexible cable	5 Metres of RG58 coaxial cable with PL259 connector
<b>Mounting</b>	100mm (4 in) nylon clamp type insulators (2 per antenna), 50mm (2 in) diameter, threaded to take 12mm bolt (not supplied). Minimum mount spacing 0.9m (3 ft)	
<b>Packed Weight</b>	14.5kg	

Specifications subject to change 10/02

**Moonraker Australia Pty. Ltd.** A.B.N. 57 009 531 211

**Tasmania Technopark, Dowsing Point 7010, Tasmania Australia**

Website: [www.moonraker.com.au](http://www.moonraker.com.au) Telephone 61 (0)3 6273 1533 Fax: 61 (0)3 6273 1749 Email: [radiocom@moonraker.com.au](mailto:radiocom@moonraker.com.au)