



M O O N R A K E R

Type 27S/D

For communications in the 27 MHz Marine and Citizens Band

Designed to provide high efficiency communications for all types of vessels and base stations using the 27 MHz communications bands.

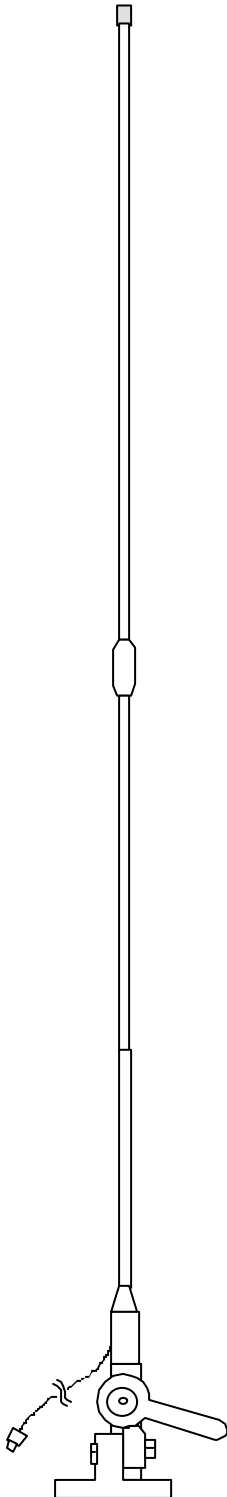
The 27S/D is compact 2.7 metre (8.9 ft) loaded half wave, self supporting whip that requires no ground plane or earth connections. Manufactured from marine grade tempered aluminium alloy tubing to obtain a large low loss radiating surface, it is coated with black (white optional) PVC for maximum protection from the marine environment and solar radiation. Fittings are of nylon and stainless steel. A high grade nylon insulator, 35mm (1.4 in) diameter is incorporated at the base. The antenna is supplied complete with coaxial cable and connector.

Mounting is normally by way of a polycarbonate quick release lever lock swingdown base which permits easy adjustment of antenna angle when obstructions are encountered or deck level stowage is necessary or desirable. A heavy duty stainless steel swingdown base or single bolt mount for permanent mounting, such as on buildings, are also available upon request.

The antenna is designed to operate between 27.5 and 28 MHz but may be tuned to other frequencies in the band outside this range upon request, such as the citizens band.

Specifications

27 MHz Marine Band	27.5-28 MHz
Length	2.7 metres (8.9 ft)
Base Diameter	35mm (1.4 in)
Pattern	Low angle, omnidirectional
Polarisation	Vertical
Frequency Range	27.5-28 MHz; other frequencies to order
Bandwidth	0.6 MHz (at 2:1 SWR)
Impedance	50Ω (nominal)
Wind Loading	1.5 kg at 100 km/h (3.3 lbs at 60 mph) 2.5 kg at 130 km/h (5.5 lbs at 81 mph)
Power Capability	25 watts CW, 50w PEP
Mountings	Normally supplied with polycarbonate swingdown mount; also available with 316 stainless steel swingdown mount or 12mm metric bolt for permanent mounting
Connection	3.65m (12ft) 6mm (0.25 in) coaxial cable (50Ω) with PL259 UHF type connector
Packed Weight	3 kg (6.6 lbs)



Specifications subject to change 11/01

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

Tasmania Technopark, Dowsing Point 7010, Tasmania Australia

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