

Section 6

MARINE ANTENNAS

Updated 18 February 2011

**B20G and B20G-N
VHF Marine
Mast Mount or Side Mount**

Frequency **156 – 162 MHz** Bandwidth **Full Band**



Tuned to cover the full VHF Marine Band 156 to 162 MHz, these ground independent antennas may be mounted to the mast of a vessel, or they can be side mounted from a wheelhouse or any other flat vertical surface.

The white fibreglass tapered radome and stainless steel mount tube stands 3.4 metres tall.

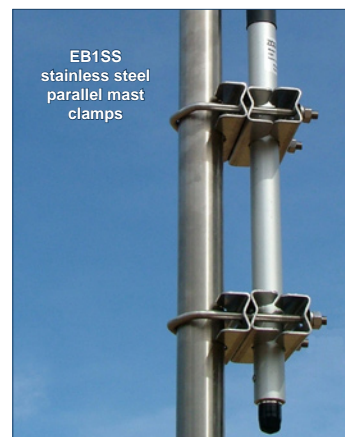
- **B20G** has a 4.5 metre RG58 stranded cable tail with a UHF Male connector supplied, not fitted.
- **B20G-N** has an N-Female connector located at the base of the stainless steel mount tube.

Both models deliver 5.1 dBi gain and are rated for up to 50 watts input power.

All components used in construction are of the highest quality. Brass internals are silver soldered to ensure long term survival in the harsh marine environment. These antennas will deliver reliable performance for many years.

Mounting clamps, feeder cable, connectors, cable ties and tape are available separately to complete the installation.

SPECIFICATIONS	B20G	B20G-N
Construction	Single piece white fibreglass radome, silver soldered brass internals and stainless steel mount tube	
Frequency	VHF 156 to 162 MHz Full Band	
Tuning	Factory	Factory
VSWR	Better than 1.5:1	Better than 1.5:1
Gain	5.1 dBi	5.1 dBi
Max Input Power	50 Watts	50 Watts
Impedance	50 Ohms	50 Ohms
DC Grounded	Yes	Yes
Polarisation	Vertical	Vertical
H-Plane	360° Omnidirectional	360° Omnidirectional
Cable Tail	4.5 metres RG58 stranded	None
Connector	UHF Male solder connector supplied, not fitted (PL259)	N-Female connector at base of mount tube
Height	3.4 metres	3.4 metres
Weight	1.5 kg	1.5 kg
Mount Tube Dimensions	500 mm long x 32 mm diameter	500 mm long x 32 mm diameter
MAST Mounting Clamps (not supplied)	2 x EB1SS stainless steel parallel clamps recommended. Suit round mast between 20 mm and 50 mm in diameter.	
SIDE Mounting Clamps (not supplied)	2 x NSM-CL3642 will suit the 32 mm mount tube	2 x NSM-CL3642 will suit the 32 mm mount tube



NSM-CL3642

Constructed from nylon with stainless steel bolts and washers, Nylon Side Mounts are specifically designed to mount a marine antenna to the side of a vessel's wheel house or other flat vertical structure.

Drill a 12.7 mm (1/2") diameter hole through the vertical surface for the stainless steel bolt. Then tighten the bolt to firmly secure the side mount in position.

Using two (2) of these nylon side mounts, the antenna mount tube is held tightly by the 8 mm stainless steel clamp bolt.