

## End-fed $\frac{1}{2}$ $\lambda$ dipole marine and base station antenna.

### DESCRIPTION

- Black-chromed stainless steel whip.
- Full-size, end-fed  $\frac{1}{2}$   $\lambda$  antenna whip.
- This base station and maritime VHF antenna is developed for use on board ships as well as on masts and thanks to the 1" revolving nut mounting system it can be mounted in the mast, in the auxilliary mast as well as on the cross-beam. By means of Procom's flange mount it can also be mounted on deck or rooftop.
- Bear in mind that the higher the antenna is mounted the better the coverage.
- Avoid mounting the antenna parallel with and in the neighbourhood of other metal parts, such as mast, supporting wires etc. Free mounting and as high as possible is most preferable, otherwise the VSWR and the radiation diagram will be influenced.
- The antenna is a  $\frac{1}{2}$   $\lambda$  design and this means that it needs neither loading coils, ground-plane, radials nor other auxiliary arrangements.



### SPECIFICATIONS

| Electrical              |                                 |
|-------------------------|---------------------------------|
| Model                   | MA 160/...                      |
| Frequency               | Models within 149 - 175 MHz     |
| Antenna Type            | $\frac{1}{2}$ $\lambda$ antenna |
| Max. Input Power        | 25 W                            |
| Polarisation            | Vertical                        |
| 3 dB Beamwidth, H-Plane | Omnidirectional                 |
| Impedance               | 50 $\Omega$                     |
| Gain                    | 0 dBd (2.2 dBi)                 |
| VSWR                    | $\leq 2.0:1$ typ. $\leq 1.5:1$  |
| Bandwidth               | Up to 15 MHz                    |

| Mechanical    |  |
|---------------|--|
| Connection(s) | N(f)   |
| Materials     | Black-chromed stainless steel<br>Black-chromed brass |
| Colour        | Black  |
| Height        | Approx. 800 mm / 31.50 in.                           |
| Weight        | Approx. 0.22 kg / 0.49 lb.                           |

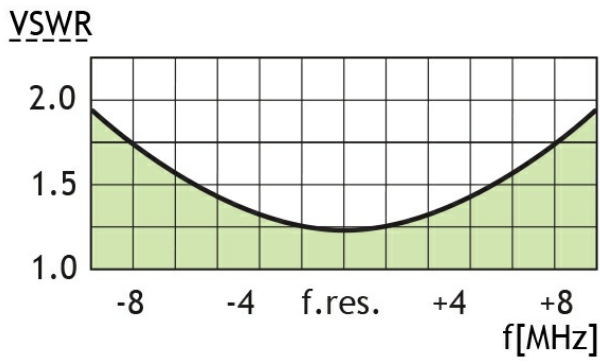
### ORDERING

| Model                | Product No. |
|----------------------|-------------|
| MA 160/149-164 MHz   | 110000340   |
| MA 160/156-162.5 MHz | 110000350   |
| MA 160/164-170 MHz   | 110000351   |
| MA 160/167-175 MHz   | 110000358   |

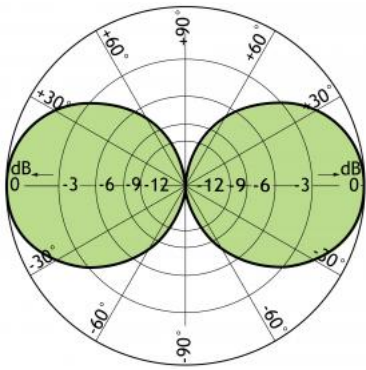
### ORDERING NOTE

Other frequencies on request.

TYGICAL VSWR CURVE



TYPICAL RADIATION PATTERN (E-PLANE)



ACCESSORIES (TO BE ORDERED SEPARATELY)

|  |  |  |  |
|--|--|--|--|
| <b>FLG</b><br><p>G1"-11 (1" RG)</p>                              | <b>SMR 1</b><br><p>G1"-11 (1" RG)</p>                            | <b>SMR 2</b><br><p>G1"-11 (1" RG)</p>                | <b>LW-SS-1"</b><br><p>G1"-11 (1" RG)</p>             |
| <b>MariFix 1</b><br><p>1"-14 UNS</p> <p>ALSO NEED ADT OR MBS</p> | <b>MariFix 2</b><br><p>1"-14 UNS</p> <p>ALSO NEED ADT OR MBS</p> | <b>ADT</b><br><p>G1"-11 (1" RG)</p> <p>1"-14 UNS</p> | <b>MBS</b><br><p>G1"-11 (1" RG)</p> <p>1"-14 UNS</p> |
| <b>JPC 40 FME/58/FN</b><br>                                      |  |  |  |

