

The IMT products are:

- Maintenance free
- Safety
- Environmental friendly

Sig Mare Radar Reflector

Main Characteristics

Radar reflectors are used to increase the backscatter capacity of navigational aids. This 6-corner reflector with optimal reflection features, has a superbe radar cross section.

The radar cross-section is the determinant factor of radar performance, this reflector has a high value relative to its diameter.

The backscatter diagram is virtually omnidirectional, not only in the azimuth plane of from 0 to 360 degrees, but also in the vertical

plane over a range of 30 degrees. The reflectors are produced in stainless steel AISI 316 grade or sea water resistant aluminium sheet. The construction with mounting flanges is extremely stable and sturdy. Therefore they can be easily integrated in the superstructure of buoys and beacons and can serve as a support for a marine signal lantern or a self contained solar powered led beacon. Weight of the reflector is 5 kg. (Stainless steel). The radar reflectors are available in 3 sizes. The correct dimensions of the radar reflector best suiting the requirement in hand depends on the range of the echo desired and on its mounting height.

Specification/ Technical details:

Execution: passive radar reflector
 Material: Stainless Steel
 RCS: 100 m²
 Dimensions (Figure): approx 600 mm
 Weight: approx 120 kg

Options:

Solar Compact Cap
 Sea-lantern 3 SM
 Sea-lantern 5 SM



radar reflector
Sea-lantern 3 SM



radar reflector
Sea-lantern 3 SM
and Solar Compact Cap

