

ROTATIONALLY-MOULDED HULL BALIZAMAR

CHARACTERISTICS AND ADVANTAGES

Strength	Hot dip galvanised steel structure with stainless steel accessories
Safety	Rotationally-moulded hull filled with closed cell EPS foam ensures flotation in case of breached skin
Lantern	Designed to operate with self-contained and small sized lanterns from any manufacturer
Radar reflector	Stainless steel trihedral radar reflector
Day marks	Stainless steel day marks improve the day time visibility and range of the buoy
Top marks	Large top marks ensure the buoy can be identified easily
Stability	Intrinsically stable configuration with a built-in counterweight to ensure stability, even without a mooring
Size	Available in diameters up to 1.6 m, focal plane up to 3.6 m and volumes up to 2.6 m ³

APPLICATIONS

- Marking of ports
- Marking the limits of marine concessions
- Beacons of shallows
- Delimiting of work areas
- Provisional installations
- Mooring buoys
- Marking of dredging pipes



FEATURES

Models	B1250T	B1600S	C1250T	C1600T
Location	Semi-sheltered waters and rivers		Coastal and offshore applications	
Hull volume	0.72 m ³	1.23 m ³	1.67 m ³	2.61 m ³
FMR load*	200 kg	450 kg	600 kg	1200 kg
Focal plane	2.00 m	2.24 m	3.56 m	3.62 m

* Recommended Minimum Freeboard (FMR)

QUALITY

Hull	Rotomoulded medium density pigmented polyethylene with a maximum strength UV inhibitor filled with expanded PS. Water resistant up to 100°C, resistant to most acids and common solvents
Galvanization	The carbon steel components are hot dip galvanised in accordance with ISO 1460:2010 standard
Paint	Visible metal components are painted to C5-M according to ISO 12944 for marine environments, using an epoxy primer scheme and aliphatic polyurethane top coat
Colour	In accordance with IALA E -108
Galvanic Protection	Anodes protect the immersed structure
Recycling	The buoy components are easily recycled with a direct re-use rate nearing 100%
Manufacturer certificate	ISO 9001:2015, ISO14001:2015, IALA Industrial Member

CONSTRUCTION

Hull	Rotomoulded MDPE thyroid filled with expanded polystyrene
Structure	Single tube that passes through the centre of the hull. Mooring eye on its lower side that receives the mooring system and a centre plate that transfers the loads to the float. Manufactured using ST 37 steel and subsequently hot dip galvanised. Painted upper structure
Radar reflector	Trihedral radar reflector with 24 sides and manufactured in stainless steel AISI 304 and painted
Top mark	Stainless steel AISI 304 and painted
Top mark support	Stainless steel AISI 304 and painted
Day marks	Stainless steel AISI 304 and painted
Anodes	Two zinc anodes of 2.5 kg each
Counterweight	Cast iron, 40 kg each located in the lower part of the tail
Screws	Stainless steel A2

