

SBM 20/30

Steel BuOys



SBM Steel BuOys are designed by combining conventional architecture used during several decades with the application of latest technologies in materials and current standards.

The high-quality steel for its construction is the same than the one used in the naval field, with a thickness greater than 10 mm. Float diameters available from 2 to 3 meters are submitted to an anti-oxidation treatment providing maintenance periods above 5 years. They are characterized by their high shock resistance and stability.

Metallic parts of the buoys (superstructure and tail) are made from hot-dip galvanized steel, and designed to provide a long service life under harsh marine conditions. They can be customized under client's request, as well as to be made from stainless steel or marine aluminium.

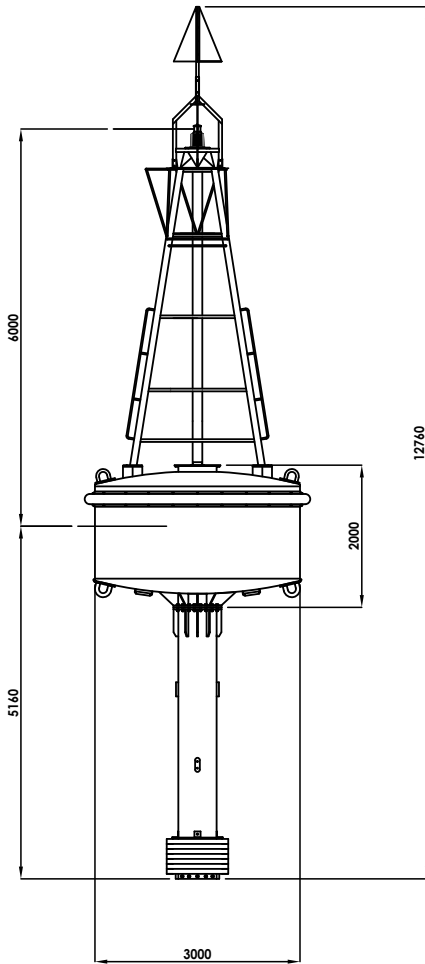
Features:

- Diameters from 2 to 3 metres.
- Float made from A-36 naval steel, coated with a special anti-corrosion inorganic Zinc treatment, ethyl silicate based.
- Float with two lifting eyes and two mooring eyes.
- Solid superstructure with three angular faces, made from steel with a special anti-corrosion inorganic Zinc treatment, ethyl silicate based, coated with polyurethane paint to give the signal colour.
- Tail or skirt with ballast weights, made from hot-dip galvanized steel.
- Stainless-steel hardware.
- Marine rubber fender around the float.
- Anti-sliding float top surface.
- Access to the inside of the float to enable maintenance tasks or foam filling.
- Designed according to IALA Recommendations.



Specifications subject to change without previous notice.

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Superstructure

Material:	Hot-dip galvanized steel.
Coating:	1 Hempadur Primer 1,300 coat (80 microns). 2 polyurethane Hempadur Polyenamel 5,100 coats (60 microns each).
Day marks:	Polyethylene.
Supports:	For lanterns, Racon/AIS, solar modules.
Top mark:	GRP, according to IALA Recommendations.
Radar reflector:	36 m ² (X Band).
Batteries capacity:	Up to 130 Ah, at the top of the superstructure.
Elements:	Ladder access to the lantern. Safety ring. Identification plate.
Lifting eyes:	2 nos.
Hardware:	Stainless-steel.

Float

Diameter:	From 2 to 3 metres.
Material:	A-36 naval steel.
Freeboard coating:	1 Hempadur Primer 1,300 coat (80 microns). 2 polyurethane Hempadur Polyenamel 5,100 coats (60 microns each).
Draft coating:	1 Hempadur Primer 1,300 coat (80 microns). 2 brea epoxi coats (60 microns each). 2 antifouling Globic 8,900 coats (100 microns each).
Skirt coating:	1 Hempadur Primer 1,300 coat (80 microns). 1 brea epoxi coat (60 microns). 1 antifouling Globic 8,900 coat (100 microns).

Tail

Material:	Hot-dip galvanized steel.
Ballast weights:	Treated steel, detachable.
Mooring eyes:	1 no.
Protection:	Sacrifice anodes.

Options

Superstructure made from stainless-steel or marine aluminium.

Active radar reflector.

Bird spikes.

Other focal heights available under request.

Other designs available under request.

	Float diameter (*)	Focal height (*)	Float volume	Total weight	Max. chain
SBM 20	2.00 m	3 m	7.60 m ³	3,300 kg	1,700 kg
SBM 30	3.00 m	6 m	12.00 m ³	5,700 kg	3,000 kg

*Other diameters and heights available under request.

