

# ABM

## Resilient Beacons



ABM Resilient Beacons are particularly suitable in shallow waters where the swinging radius is limited by heavy vessel traffic.

They are custom-made, since the tail length and the size of the float strictly depend on the depth where they will be deployed and the focal height required.

The submerged float ensures stability even in the harshest conditions of waves and current.

Thanks to its special Cardan type joint designed by MSM, the buoy oscillates in all directions, minimising wear caused by strong waves.

They are designed to a long service life in harsh marine conditions.

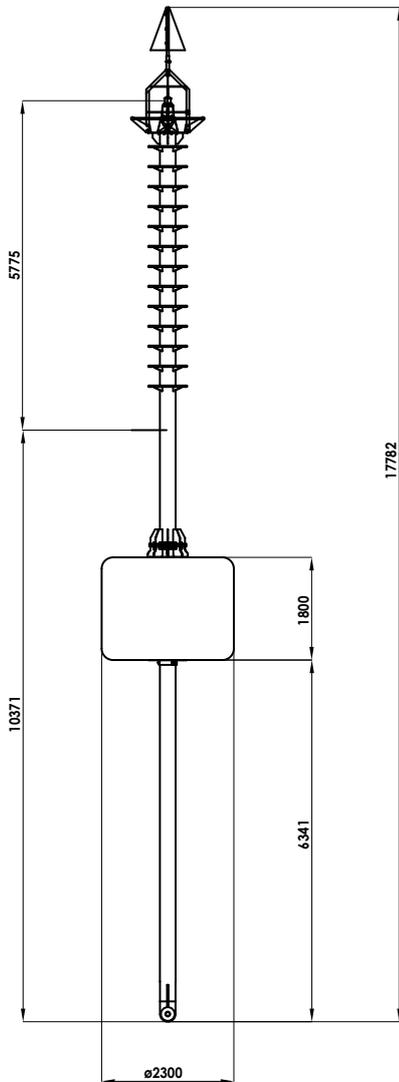
## Features:

- Subsea float manufactured with closed-cell polyethylene foam sheet (no water absorption) projected with a layer of coloured polyurethane elastomer.
- High shock resistance.
- Metallic parts (superstructure and tail) from hot-dip galvanized steel as standard, stainless-steel or marine aluminium as an option.
- High-resistance Cardan anchoring joint.
- Chromaticity according to IALA Recommendations.
- Access to the lantern with steps on the structure and protection ring.
- Capacity to hold up to 130 Ah batteries and 4 nos. solar modules up to 75W as an option.
- Compatible with a large variety of self-contained lanterns.
- Passive radar reflector of 10 m<sup>2</sup> RCS.
- Minimum maintenance.
- Designed according to IALA Recommendations.



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Specifications subject to change without previous notice.



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## Superstructure

<b>Material:</b>	Hot-dip galvanized steel.
<b>Freeboard coating:</b>	1 primer coat (80 microns). 2 polyurethane coats (60 microns each).
<b>Draft coating:</b>	1 primer coat (80 microns). 2 brea epoxi coats (60 microns each). 2 antifouling coats (100 microns each).
<b>Top mark:</b>	According to IALA Recommendations.
<b>Radar reflector:</b>	10 m <sup>2</sup> (X Band).
<b>Hardware:</b>	Stainless-steel.

## Float

<b>Diameter:</b>	From 2.3 to 2.5 metres.
<b>Material:</b>	Closed-cell polyethylene foam sheet.
<b>Coating:</b>	Projected with a layer of coloured polyurethane elastomer, anti-UV.

## Tail

<b>Material:</b>	Hot-dip galvanized steel.
<b>Mooring:</b>	Cardan joint, 1 eye.
<b>Mooring ballast weight:</b>	Concrete sinker from 20 to 40 tones, as per request.
<b>Protection:</b>	Sacrifice anodes.

## Options

- Stainless-steel superstructure.
- Day marks.
- Passive radar reflector available up to 36 m<sup>2</sup> RCS.
- Active radar reflector.
- Batteries capacity up to 130 Ah.
- Solar modules capacity.
- Other float volumes and depths available under request.

	Float diameter(*)	Focal height (*)	Float volume	Float weight (*)	Max. chain
<b>ABM 23</b>	2.3 m	5 m	7.50 m <sup>3</sup>	1.8 m	8 a 15 m
<b>ABM 25</b>	2.5 m	7 m	10.00 m <sup>3</sup>	2.0 m	10 a 30 m

\*Other diameters and heights available under request.