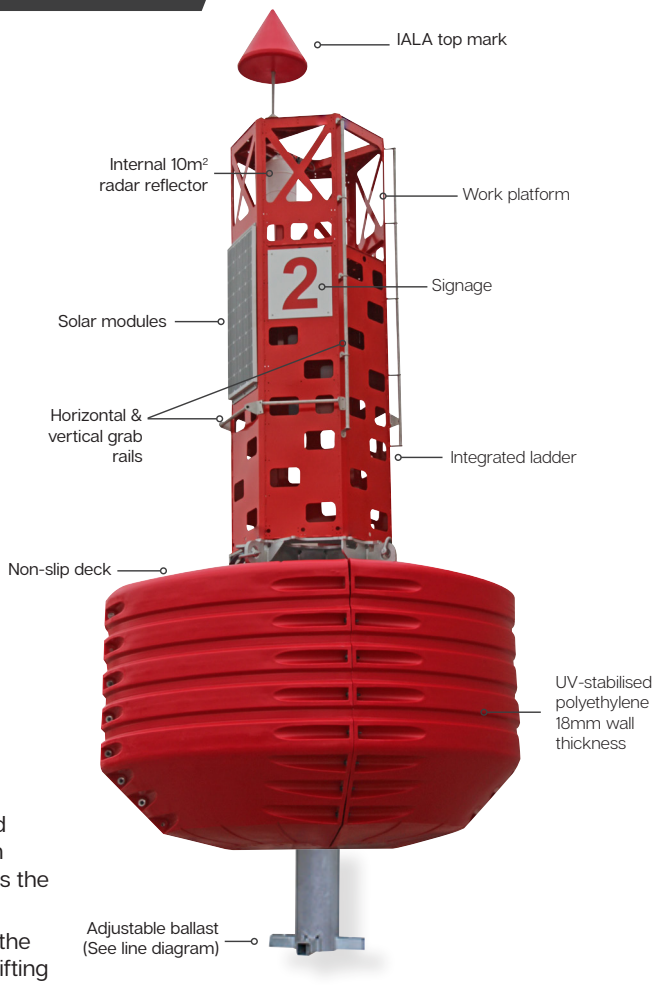
3000mm dia. Ocean Buoy

TRIDENT-3000: Hexagonal Aluminium Tower

Sealite have a range of mooring chains & accessories - ask your representative today how we can supply your complete mooring solution

Environmentally Friendly & Recyclable

Sealite buoy products are made from recyclable materials. As a service to customers, individual components and products at the end of their service life may be returned to Sealite for recycling.



The TRIDENT-3000 is one of the largest rotationally-moulded buoys available, with a float diameter of 3 meters and lantern focal height of up to 5 meters.

The float section of the TRIDENT-3000 is built from four (4) rotationally-moulded quadrants, which fasten together to form an incredibly robust 3 meter wide float section standing 1.8 meters tall. Each quadrant is moulded from UV-stabilised, virgin polyethylene, and has an 18mm wall thickness. In addition, each section is filled with closed-cell polyurethane, which prevents the ingress of moisture in the unlikely event of damage.

A galvanised steel or 316-grade stainless steel mooring pole runs through the centre of the assembly, to which the tower section is fastened. Four large lifting eyes aid in buoy mooring and periodic servicing.

Hexagonal Aluminium Tower Design

The hexagonal tower design provides a large, robust superstructure and is built from marine grade aluminium subject to powder-coating in high visibility colours.

The tower is capable of supporting additional payload and provides user benefits such as;

- Large area for signage
- Flexible configurations & heights
- Capacity for additional power supplies
- Capacity for additional payload such as remote monitoring and Met Ocean instrumentation
- Integrated ladder & work platform
- Integrated grab rails

A large counterweight offers exceptional stability in a variety of exposed regions.

The TRIDENT-3000 can be supplied in all IALA colours and configurations.

The Sealite Advantage

- High visibility red, green, white or yellow as per IALA recommendations
- Robust construction of 4 quadrant hull sections
- Lightweight
- Large battery & payload section
- Excellent buoyancy & stability
- Easy to deploy & service
- Cost effective & environmentally friendly
- Flexible tower configurations

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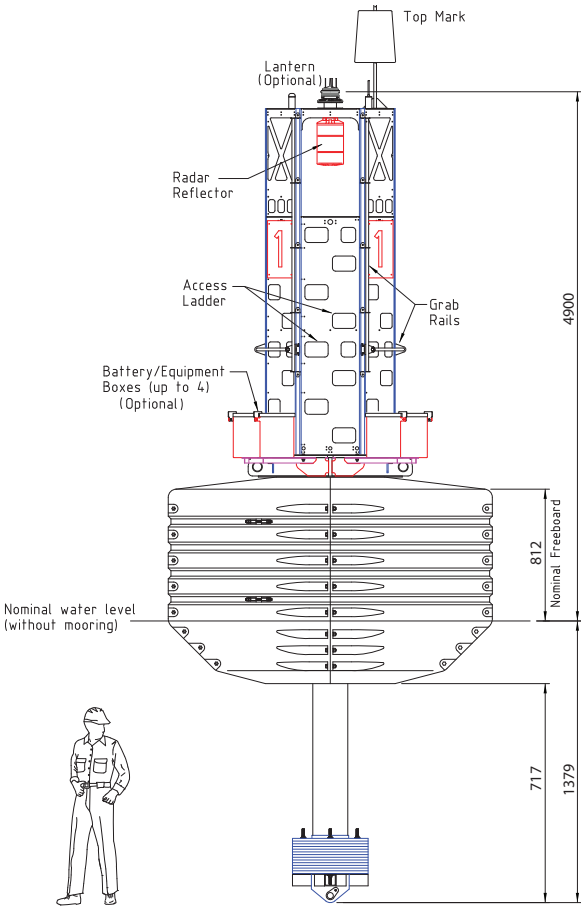
Technical Specifications·*

	TRIDENT-3000
	Hexagonal Aluminium Tower
General Characteristics	
Available Colours	Red, Green, White, Yellow as per IALA Recommendations
Focal Plane Height (mm/inches)	4900 / 192⅞
Total Float Volume (ltrs/US gallon)	11000 / 2906
Nominal Freeboard (mm/inches)	1220 / 48
Nominal Draft (mm/inches)	2610 / 102⅞
Total Reserve Buoyancy (kgs/lbs)	8530 / 18805
Operational Buoyancy (kgs/lbs)	3024 / 6667
Maximum Mooring Load (kgs/lbs)	2750 / 6063
Draft, Maximum (mm/inches)	3030 / 119¼
Freeboard, Minimum (mm/inches)	800 / 31½
Safe Working Load, 1pt (kgs/lbs)	6000 / 13228 (one lifting point)
Safe Working Load, 2pt (kgs/lbs)	8630 / 19025 (two lifting points)
Submergence (kg/cm, lb/inches)	72 / 403
Visual Area (m^2/ft^2)	7.8 / 83.9
Water Area (m^2/ft^2)	2.2 / 23.76
Physical Characteristics	
Material	Rotationally-moulded UV-stabilised virgin polyethylene float section and top marks. 7-stage powder-coated aluminium tower assembly with 316-grade stainless steel fixtures.
Wall Thickness (mm/inches)	18 / ¾
Ballast (kg/lbs)	732 / 1614 external steel
Filling	Closed-cell polyurethane foam (float section)
Height (mm/inches)	8330 / 328
Width (mm/inches)	3000 / 118⅛
Mass (kg/lbs)	2800 / 6173 (depending on payload)
Radar Reflector	Internal 10m^2
Product Life Expectancy	>20 years ^
Certifications	
IALA	Surface colours compliant to IALA E-108
Quality Assurance	ISO9001:2015
Intellectual Property	
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd
Warranty *	5 years
Lantern Options	Sealite SL-C310, SL-C410, SL-C415, SL-C420 SL-125 Series or SL-155 Series
Options Available	· Monitoring Systems (AIS, GSM) · Unfilled Float Sections · Increased focal plane heights · Met Hydro Solutions · Galvanised or stainless steel mooring post · Flat bottom mooring post with dual mooring eyes

Technical Illustrations



· Specifications subject to change or variation without notice * Subject to standard terms and conditions † Intensity setting subject to solar availability
^ Refer to the Sealite website under the warranty section

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We believe technology improves navigation™

IALA

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