

1400mm dia. Navigation Buoy

TRIDENT-1400

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-1400 is a rotationally-moulded navigation buoy with a float diameter of 1.4 meters and lantern focal height of at least 2.7 meters.

The float section of the TRIDENT-1400 is built from two (2) rotationally-moulded sections, which fasten together to form an incredibly robust 1.4 meter wide float section. Each hull section is moulded from UV-stabilized, virgin polyethylene, and has a 13mm wall thickness. Each section is filled with closed-cell polyurethane, which prevents the ingress of moisture in the unlikely event of damage.

The poly-tower design provides a huge visual area for navaid recognition, and consists of a sealed, rotationally-moulded tower section. The tower incorporates an internal radar reflector and lantern attachment points.

A galvanised steel mooring post runs through the centre of the assembly, to which the tower section is fastened. An integrated ladder runs vertically up the tower to the top of the platform and two large lifting eyes aid in buoy mooring and periodic servicing.

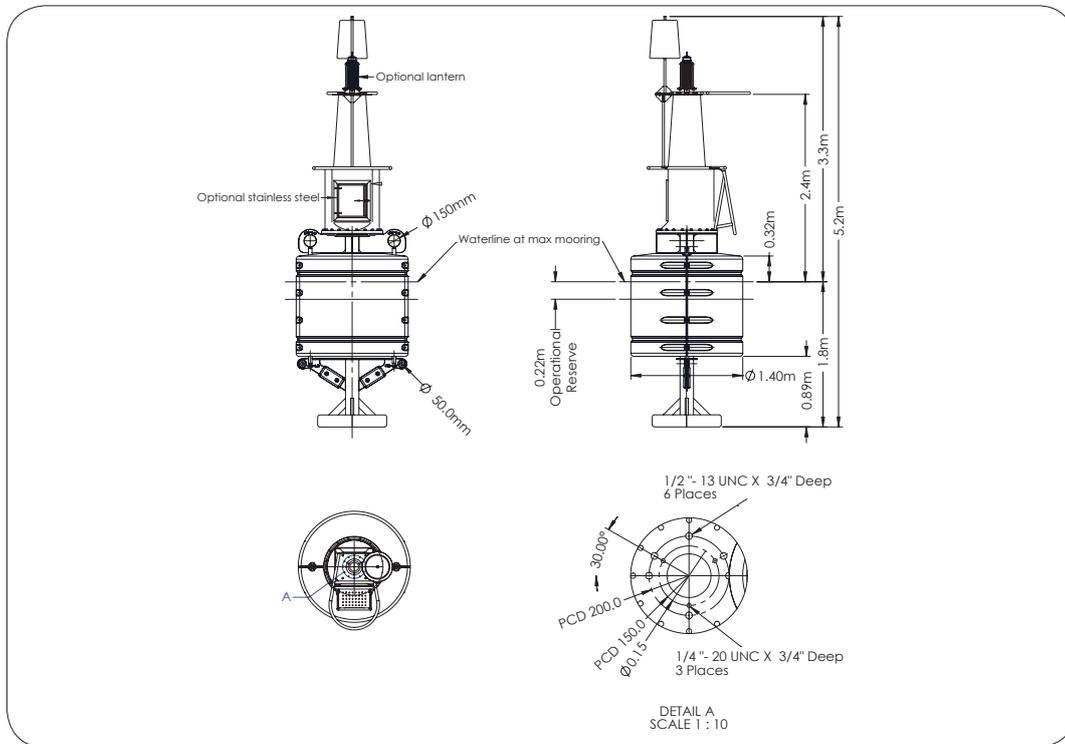
The TRIDENT-1400 can be supplied in all IALA colours.



The Sealite Advantage

- High visibility red, green, white or yellow as per IALA recommendations
- 1.4mtr diameter
- Robust construction of 2 piece hull section
- Lightweight
- Excellent buoyancy & stability
- Easy to deploy & service
- Free-standing mooring post with ballast for easy storage & shipping
- No painting
- Float & mooring assembly stand upright in a high cube container
- Cost effective & environmentally friendly

Technical Illustrations



Technical Specifications*

TRIDENT-1400	
General Characteristics	
Available Colours	Red, Green, White, Yellow as per IALA Recommendations
Focal Plane Height (mm/inches)	2700 / 106 $\frac{3}{4}$ (nominal)
Total Float Volume (Itrs/US gallon)	1888 / 498
Nominal Freeboard (mm/inches)	540 / 21 $\frac{1}{4}$
Nominal Draft (mm/inches)	1580 / 62 $\frac{3}{4}$
Total Reserve Buoyancy (kgs/lbs)	1028 / 2266
Operational Buoyancy (kgs/lbs)	570 / 1256
Draft, Maximum (mm/inches)	1800 / 70 $\frac{3}{4}$
Freeboard, Minimum (mm/inches)	320 / 12 $\frac{3}{4}$
Safe Working Load, lift (kgs/lbs)	4000 / 8818 (per eye)
Safe Mooring Load, (kgs/lbs)	2400 / 5290 (per mooring point)
Submergence (kg/cm, lb/inches)	15 / 84
Visual Area (m ² /ft ²)	2.4 / 25.8 (nominal)
Water Area (m ² /ft ²)	1.3 / 14.0
Mooring Details	
Minimum recommended anchor size (kg/lbs)	Wet weight: 1300 / 2866
Recommended mooring mass (kg/lbs)	Minimum: 250 / 551 Maximum: 600 / 1323
Physical Characteristics	
Material	Rotationally-moulded UV-stabilized virgin polyethylene float section, tower assembly and top marks. 316-grade stainless steel fixtures.
Wall Thickness (mm/inches)	13 / $\frac{1}{2}$
Ballast (kg/lbs)	490 / 1080 (external steel)
Filling	Closed-cell polyurethane foam (float section)
Overall Height (mm/inches)	5200 / 204 $\frac{3}{4}$
Width (mm/inches)	1400 / 55 $\frac{1}{2}$
Mass with Ballast(kg/lbs)	907 / 2000 (depending on payload)
Radar Reflector	Echomax EM230
Product Life Expectancy	>20 years ^
Certifications	
Quality Assurance	ISO9001:2015
Intellectual Property	
Trademarks	SEALITE® is a registered trademark of Sealite Pty Ltd
Warranty *	5 years
Lantern Options	Sealite SL-75, SL-C310, SL-C410, SL-C415, SL-C420, SL-125 Series or SL-155 Series
Options Available	<ul style="list-style-type: none"> • Custom signage • Monitoring Systems (AIS, GSM) • Solar power supplies

We believe technology improves navigation™



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* Intensity setting subject to solar availability

* Subject to standard terms and conditions

* Specifications subject to change or variation without notice
^ Refer to the Sealite website under the warranty section

