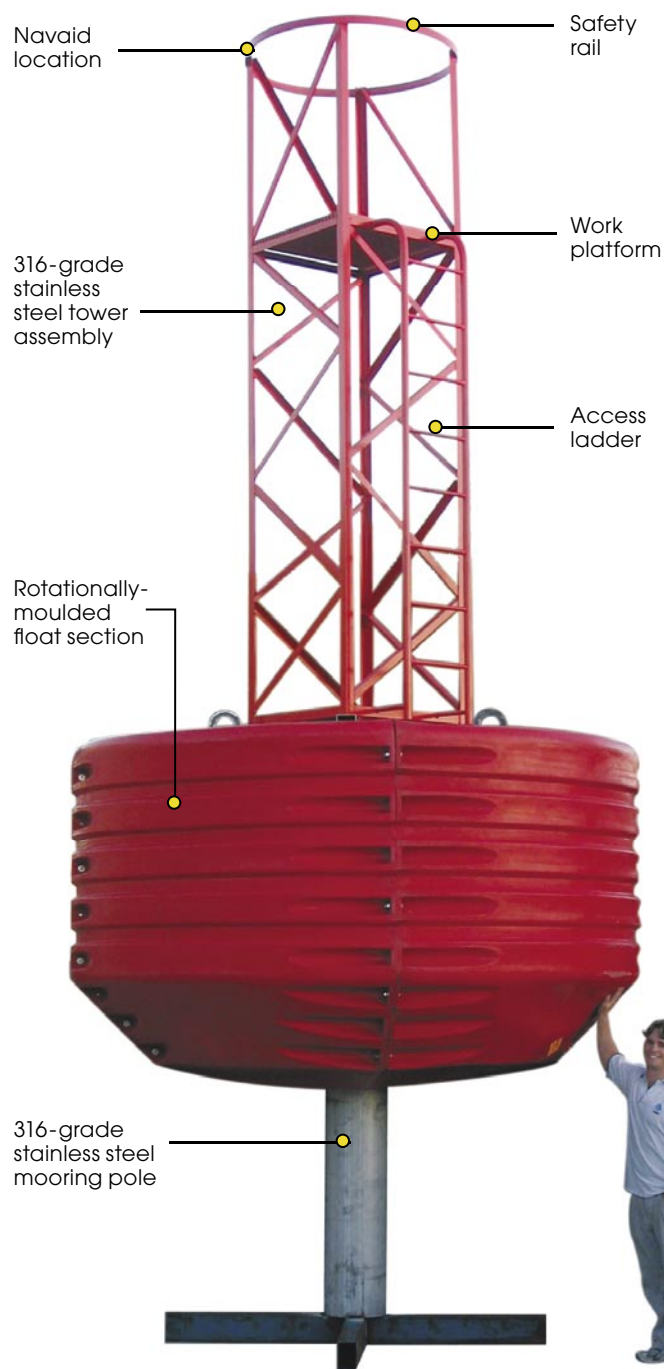


# TRIDENT-3000

## 3000mm dia. Ocean Buoy



Shown on demonstration stand

**The TRIDENT-3000 is one of the largest rotatorially-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) roto-moulded quadrants, which fasten together to form an incredibly robust 3 meter wide float section standing 1.8m tall.

Each quadrant is moulded from UV stabilised virgin polyethylene, and has a 12mm 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 316-grade stainless steel mooring pole runs through the centre of the assembly, to which the tower section is fastened. Two large lifting eyes aid in buoy mooring and periodic servicing.

The four-sided tower section of the TRIDENT-3000 provides unsurpassed strength, and is fabricated from 316-grade stainless steel – providing an estimated lifespan in excess of 20 years.

Rotatorially moulded paneling is fitted to the outside of the tower section to create a large, colored visual area for marking. The replaceable paneling also simplifies cardinal marking, and gives operators flexibility in stocking spare components. No part of the structure requires painting at any stage of the products lifespan.

An integrated ladder with harness attachment points runs vertically up the tower to the top platform. The internal top operational platform is designed to provide a safe working area for contractors.

The buoy is lightweight, and can be rested upright on the vessel deck for ease of deployment and final inspection.

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

The TRIDENT-3000 can be supplied in all IALA colours, and side-panelling is available to aid in clear lateral marking – creating a huge visual area.



**Head Office:**  
Sealite Pty Ltd  
AUSTRALIA

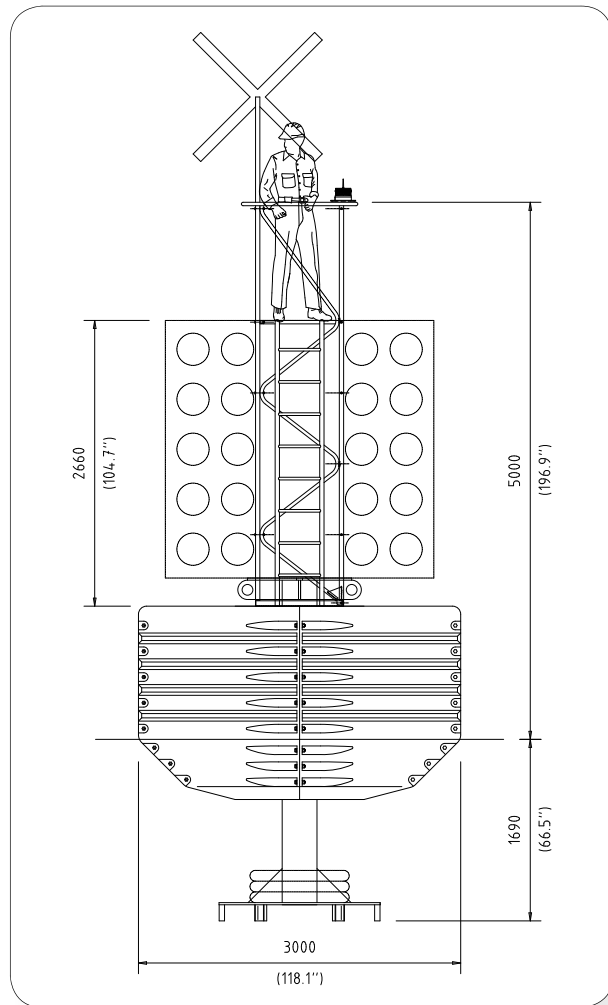
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# TRIDENT-3000

## 3000mm dia. Ocean Buoy



### SPECIFICATIONS •

Available Colours  
Focal Plane Height (mm/inches)  
Material

Red, Green, White, Yellow as per IALA Recommendations  
5000 / 196

Rotationally moulded UV stabilised virgin polyethylene float sections  
316-grade stainless-steel mooring pole  
316-grade stainless-steel tower assembly  
Rotationally moulded UV stabilised virgin polyethylene top marks and panelling

Wall Thickness (mm/inches)

12 / ½

Ballast (kg/lbs)

600 / 1320 (external)

Foam Filling

Closed-cell polyurethane

Reserve Buoyancy (kg/lbs)

6500 / 14300

Draft (mm/inches)

1700 / 66<sup>7</sup>/<sub>8</sub>

Freeboard (mm/inches)

1200 / 47<sup>1</sup>/<sub>4</sub> to 300 / 11<sup>3</sup>/<sub>4</sub>

Height (mm/inches)

6690 / 263<sup>2</sup>/<sub>3</sub>

Width (mm/inches)

3000 / 118<sup>1</sup>/<sub>8</sub>

Mass (kg/lbs)

2050 / 4510 (depending on payload)

Quality Assurance

ISO9001:2000

Product Life Expectancy

Up to 20 years

Warranty

1 year

Options Available

- Sealite lantern
- IALA recommended top marks
- Rotationally moulded side-paneling
- Monitoring systems

CE

• Specifications subject to change or variation without notice

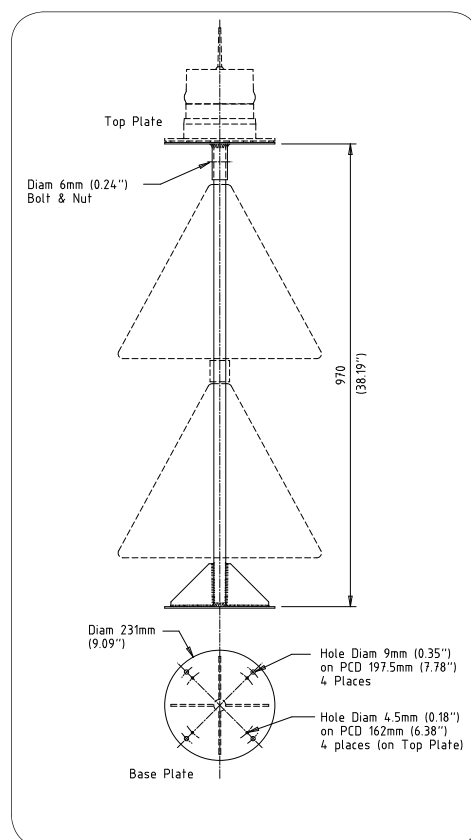
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**Designed and manufactured in accordance with IALA recommendations, Sealite's range of Top Marks offer flexibility and reliability, and are a low cost and maintenance, high visibility solution to marine navigation.**

The Top Marks are rotationally-moulded on-site from UV-stabilised virgin polyethylene with a wall thickness of 3mm, and are available in a range of IALA recommended colours and configurations to suit both IALA Regions A and B.

With a 26mm (1 inch) internal stainless-steel pole and industry standard 200mm OD mounting plate, Sealite's range of IALA Top Marks can be easily attached to any existing navigation aid.

Order Code	Description	Dimensions (mm) Height x Width •	Weight (kg/lbs) •
TM-PH.A	Port Hand Mark- 1 red cylinder (IALA Region A)	500 x 390	3.2 / 7
TM-PH.B	Port Hand Mark- 1 green cylinder (IALA Region B)	500 x 390	3.2 / 7
TM-SH.A	Starboard Hand Mark- 1 green cone (IALA Region A)	360 x 460	2.2 / 4¾
TM-SH.B	Starboard Hand Mark- 1 red cone (IALA Region B)	360 x 460	2.2 / 4¾
TM-CARD-N	North Cardinal Mark- 2 black cones	360 x 460	2.2 / 4¾
TM-CARD-S	South Cardinal Mark- 2 black cones	360 x 460	2.2 / 4¾
TM-CARD-W	West Cardinal Mark- 2 black cones	360 x 460	2.2 / 4¾
TM-CARD-E	East Cardinal Mark- 2 black cones	360 x 460	2.2 / 4¾
TM-ISO	Isolated Danger Mark- 2 black spheres	360 x 360	2.2 / 4¾
TM-SW	Safe Water Mark- 1 red sphere	360 x 360	2.2 / 4¾

• Specifications subject to change or variation without notice

**All Top Marks are manufactured with UV-stabilised virgin polyethylene, with a wall thickness of 3mm. Diameter of internal pole is 26mm.**



**Head Office:**  
Sealite Pty Ltd  
AUSTRALIA

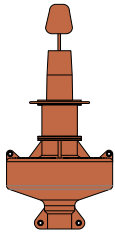
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Sealite USA  
USA (Gifford, NH)

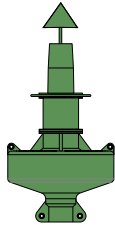
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# Buoy Configurations for IALA Regions A and B

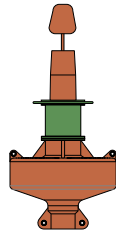
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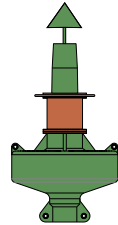
Port Hand Mark



Starboard Hand Mark

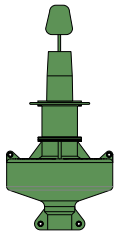


Preferred Channel to Starboard

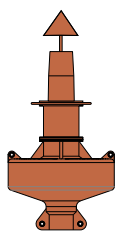


Preferred Channel to Port

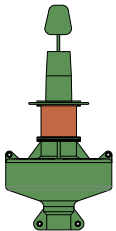
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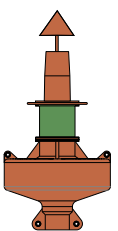
Port Hand Mark



Starboard Hand Mark

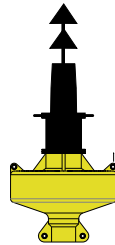


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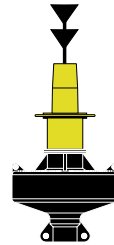


Preferred Channel to Port

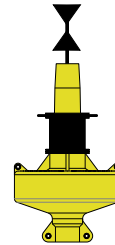
## REGION A AND B



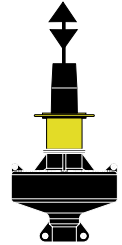
North Cardinal Mark



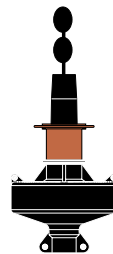
South Cardinal Mark



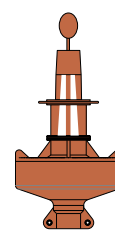
West Cardinal Mark



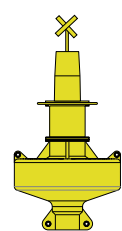
East Cardinal Mark



Isolated Danger Mark



Safe Water Mark



Special Mark

## Why Choose Polyethylene Buoys?

- No Painting
- Inhibits Growth
- Increased interval between servicing
- Routine maintenance on location
- Easily repaired in the unlikely event of damage
- Lightweight for ease of deployment and maintenance
- Environment friendly - no use of toxic antifouling paint

