

# NAUTILUS-2200

2200mm dia. Ocean Buoy



AIS enabled Nautilus-2200

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

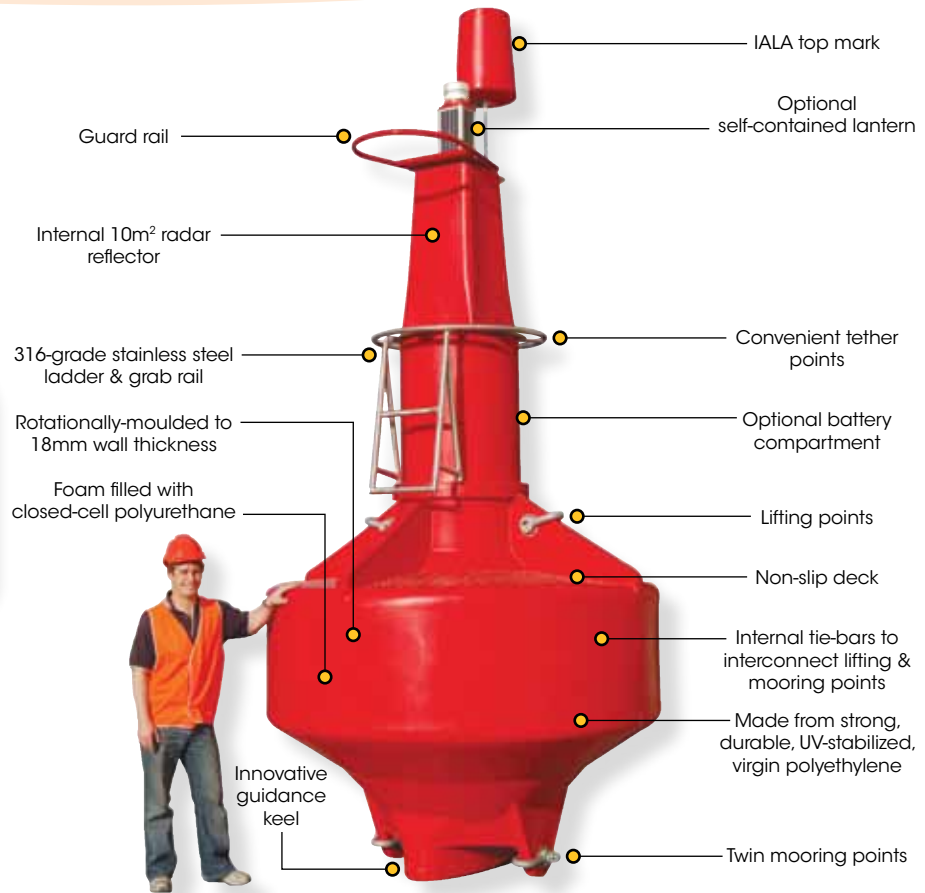
## The Sealite Advantage

- High visibility red, green, white or yellow as per IALA recommendations
- 2.2mtr diameter
- 3.2mtr focal height (may be increased to 4mtr)
- Robust construction, 2-part modular design
- Internal redundant buoyancy system
- Lightweight
- Large battery & payload section
- Excellent buoyancy & stability
- Easy to deploy & service
- No painting, ever
- Cost effective & environmentally friendly



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 Nautilus-2200 is a robust, rotationally-moulded polyethylene ocean buoy designed for offshore, port and coastal applications.

The buoy is rotationally-moulded by Sealite from UV-stabilized, virgin polyethylene, and has a 2.2mtr float diameter and 3.2mtr lantern focal height. Lantern focal height may be increased up to 4mtrs.

Built in a 2-part modular design, the buoy can be setup in any IALA recommended assembly, and consists of a high-visibility float section with non-slip tread, and a tower section to support considerable payload.

The twin lifting and mooring eyes are interconnected by stainless steel tie bars through the hull structure – offering enormous strength and superior longevity of the navaid.

Five (5) buoys can be shipped in a 40ft container economically to almost any destination.

The Sealite Nautilus-2200 is one of the largest buoys available to incorporate a one-piece, rotationally-moulded hull section, and represents exceptional value for port operators around the world.



The tower and battery compartment allows for incorporation of additional batteries to drive ancillary equipment and increase the working autonomy of the navaid in lower sunlight conditions.



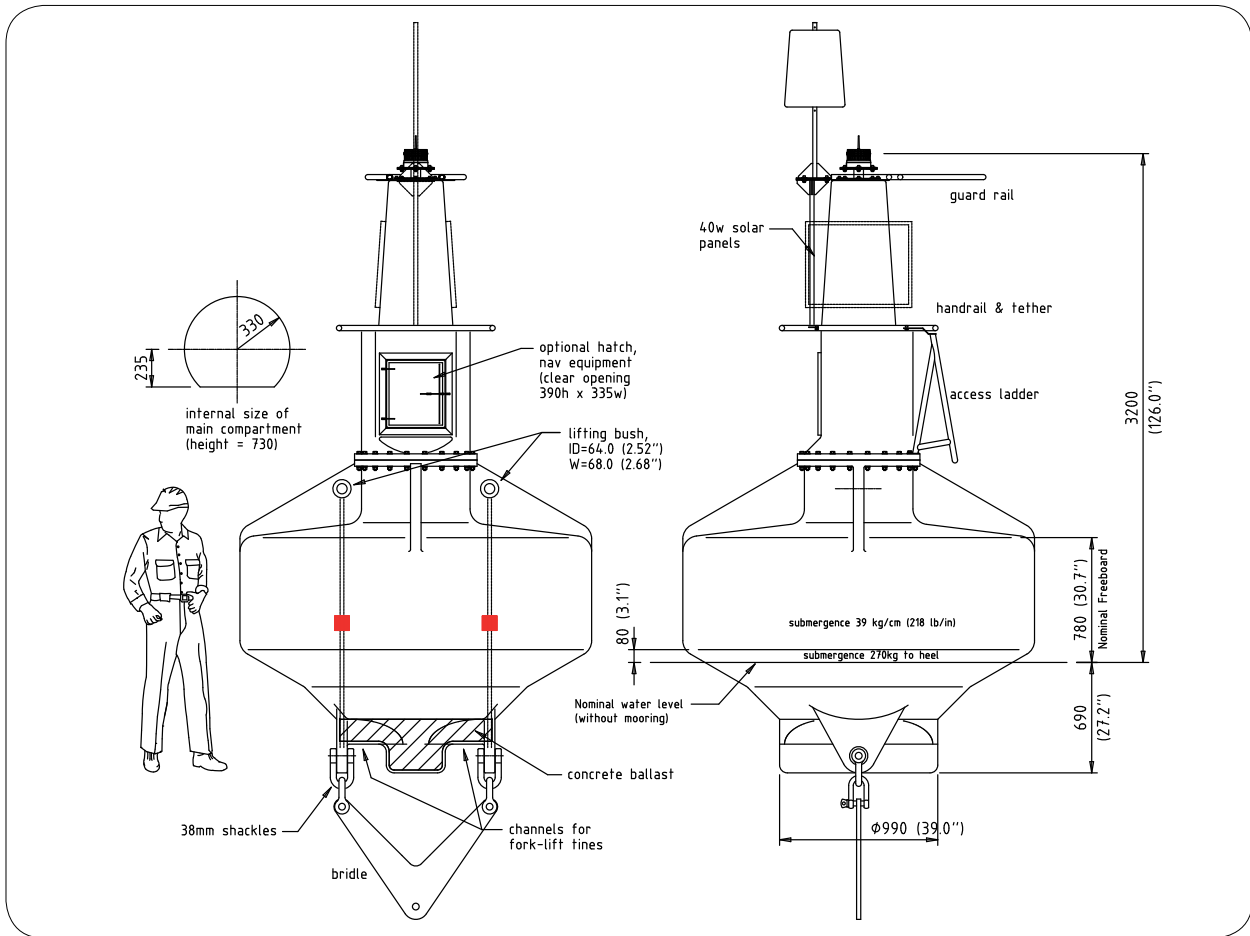
Convenient forklift access points to safely manoeuvre the buoy assembly.



Ultrasonic testing ensures consistency of wall thickness in key areas such as mooring points.

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## SPECIFICATIONS •



Nautilus Buoys and lanterns, India



Nautilus Buoys mark the scuttled ex-HMAS Canberra, Port Phillip Bay, Melbourne, Australia

### General Characteristics

Available Colours	Red, Green, White, Yellow as per IALA Recommendations
Focal Plane Height (mm/inches)	3200 / 126
Total Float Volume (litres/US gallon)	4370 / 1154
Nominal Freeboard (mm/inches)	780 / 30 <sup>3</sup> / <sub>4</sub>
Nominal Draft (mm/inches)	690 / 27 <sup>1</sup> / <sub>8</sub>
Reserve Buoyancy (kgs/lbs)	1050 / 2315
Maximum Mooring Load (kgs/lbs)	1050 / 2315
Draft, Maximum (mm/inches)	960 / 37 <sup>3</sup> / <sub>4</sub>
Freeboard, Minimum (mm/inches)	510 / 20 <sup>1</sup> / <sub>8</sub>
Safe Working Load, 1pt (kg/lbs)	1950 / 4300
Safe Working Load, 2pt (kg/lbs)	5200 / 11460
Submergence (kg/cm, lb/inches)	39 / 218
Visual Area (m <sup>2</sup> /ft <sup>2</sup> )	3 / 32.3

### Physical Characteristics

Material	Rotationally-moulded UV-stabilized virgin polyethylene, internal 316-grade stainless steel bracing, 316-grade stainless steel grab rail and ladder
Wall Thickness (mm/inches)	18 / <sup>3</sup> / <sub>4</sub> (float section)
Ballast (kg/lbs)	350 / 772 internal concrete
Filling	Closed-cell polyurethane foam (float section)
Height (mm/inches)	4120 / 162 <sup>1</sup> / <sub>4</sub>
Width (mm/inches)	2200 / 86 <sup>2</sup> / <sub>8</sub>
Mass (kg/lbs)	830 / 1830
Radar Reflector	Echomax
Product Life Expectancy	>20 years

### Certifications

Quality Assurance ISO9001:2008

### Intellectual Property

Trademarks

### Warranty \*

### Lantern Options

### Options Available

SEALITE® is a registered trademark of Sealite Pty Ltd  
5 years

Sealite SLC310, SLC420, Apollo-155 or SL125 series

- Mould-in graphics
- Sealite IALA recommended top marks
- Day marks
- Rotationally-moulded side-panelling
- Monitoring Systems (AIS, GSM)



- Specifications subject to change or variation without notice
- \* Subject to standard terms and conditions