



# PMEB OFFSHORE ELASTOMER NAVIGATION BUOY

2.0M - 3.0M Navigation Buoy



## OVERVIEW

PMEB IALA compliant navigation buoys are available in a range of diameters for both offshore and in-shore applications. Standard navigation buoys 2.0m – 3.0m are recommended for major channels and open seas. Seamless navigation buoys 1.2m – 2.0m are recommended for minor channels, harbours and sheltered waters.

## KEY FEATURES

- A high visibility outer skin enhancing safety
- Strong and durable
- Low maintenance
- Virtually unsinkable, therefore maximising service reliability
- Fitted with lifting eyes for ease of installation
- Configured with self-contained LED lights, radar reflector and top mark assembly as required

## CONSTRUCTION

- Thermolaminated Closed-Cell Polyethylene (PE) Foam core
- Durable, flexible and abrasion resistant Polyurethane (PU) Elastomer Skin

## PERFORMANCE AND PHYSICAL SPECIFICATION

Product Reference	NAV 2.0 M	NAV 2.2M	NAV 2.5M	NAV 3.0M
Diameter (mm)	2000	2000	2500	3000
Hull Height (mm)	1100	1100	1100	1100
Daymark Height (mm)	2000	2000	2750	2750
Overall Assembly Height (mm) (excluding topmark and light)	4010	4010	4760	4760
Draft without Mooring (mm)	1270	1225	1275	1220
Freeboard without Mooring (mm)	605	650	600	655
Freeboard with Max Mooring (mm)	370	375	300	360
Focal Plane with VLB-36XL without Mooring	3205	3255	3975	4050
Displacement (kg/cm)	29.5	36	46.4	68
Appropriate Weight	1100	1200	1800	2250
Gross Buoyancy of Hull (kg)	2850	3500	4500	6500
Net Buoyancy of Hull (kg)	1750	2300	2700	4250
Maximum Mooring Weight (kg)	700	1000	1400	20000
Recomended Chain Size (mm)	32-38	32-38	32-38	32-38
Recomended Sinker (Cast Iron) (kg)	2500	2500	2500	3000
Skin Thickness	10	10	12	12
Tower Construction	Aluminium Grade 5083 with a Powder Coated Finish			
Daymark Construction	Aluminium Grade 5083 with a Powder Coated Finish			
Base Steelwork	Hot Dip Galvanized Finish			
Mooring Eye Configuration	Bridle			
Lifting Eyes	2			
Radar Reflector	Echomax EM180			
Topmak Assembly	Aluminium Grade 5083 With A Powder Coated Finish - Plate Type			
Non-Slip Deck	Included			

*\*All values within this table may vary due to material property and dimensional tolerances and operational conditions. Information is based on our standard specifications. Custom specifications are available upon request.*

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