



MARINE

Aids to
NAVIGATION
Navigation Buoys



Navigation Buoys

We manufacture a comprehensive range of polyethylene navigation buoys which are designed to offer easy installation and provide a low maintenance cost solution to marine navigation. These products are successfully being used to mark port entrances, shipping channels, hazardous waters, wind farms, aquaculture sites and a variety of other marine installations and obstructions.

Designed with an emphasis on durability, flexibility, and economy throughout, our range of buoys boast excellent stability characteristics, power system versatility, and environmental credentials. By addressing key design criteria, our navigation buoys can reduce costs and maximise servicing intervals. Safe access for maintenance personnel and ease of operation has been prioritised as have all mooring and retrieval requirements. Our navigation buoy range is available with all IALA Maritime Buoyage System configurations to suit a range of installation requirements.

Features & Benefits:

- Manufactured from marine grade (UV stabilised) virgin polyethylene
- Can be fitted with a range of solar powered LED marine lanterns
- All fixings are 316 stainless steel
- Fitted with lifting eyes for ease of installation and maintenance
- All our buoys are manufactured using 100% recyclable material
- All IALA Maritime Buoyage System configurations available

NAV01

Ø600mm Navigation Buoy

The NAV01 navigation buoy is used for shallow water installations ideal for marking navigation channels, temporary construction areas, aquaculture sites and racing marks. Manufactured from strong durable polyethylene, it is foam filled with internal ballast for additional strength and durability. Small and lightweight it has a pillar design with a nominal focal height of 1000mm. The NAV01 is fitted with two lifting eyes for ease of manoeuvrability during installation or servicing. Small self-contained lanterns available.

Features & Benefits

- Small and Light weight, easy to handle
- Fitted with two lifting eyes for ease of Installation and deployment
- Can be fitted with solar powered LED marine lanterns - Type M550 or M660 (or equivalent sized lanterns)
- Free standing for ease of storage during transportation and maintenance



Code	NAV01
Diameter	Ø600mm
Nominal Focal Height	1000mm
Overall Height	1400mm
Nominal Draft	350mm
Weight	55kg
Number lifting eyes	2
Internal diameter of lifting eye	22mm
Number of mooring eyes	1
Internal diameter of mooring eye	30mm
Colours	In accordance with IALA Maritime Buoyage System
Life Expectancy	15 - 20 years
Warranty	1 Year (extended warranty available upon request)
Lantern Options	M550, M660
Accessory Options	Mould-on Graphics, Topmarks
Recommended Chain Sizes	8mm - 12mm (chain size will be dependent on the sea state conditions)

NAV02

Ø1200mm Navigation Buoy

Ideal for inshore and sheltered areas the NAV02 navigation buoy is used for marking aquaculture sites, inner harbours, lakes or sheltered safe water channels. Manufactured from strong durable polyethylene, the pillar design offers a high visibility solution with a nominal focal height of 2100mm. Foam filled with internal ballast for stability, the NAV02 navigation buoy is fitted with two lifting eyes for ease of maneuverability for installation and servicing purposes. The NAV02 is designed for use with self-contained lanterns and has the option to be fitted with top marks if required.

Features & Benefits

- High visibility pillar design
- A range of top marks are available
- Fitted with two lifting eyes for ease of installation and deployment
- Single point mooring with stainless steel insert
- Free standing for ease of storage during maintenance and installation
- Can be fitted with a range of solar powered LED marine lanterns
- Mould on graphics such as warning signage is available upon request



Code	NAV02
Diameter	Ø1200mm
Nominal Focal Height	2100mm
Overall Height	2800mm
Nominal Draft	470mm
Weight	195kg
Number lifting eyes	2
Internal diameter of lifting eye	50mm
Number of mooring eyes	1
Internal diameter of mooring eye	42mm
Colours	In accordance with IALA Maritime Buoyage System
Life Expectancy	15 - 20 years
Warranty	1 Year (extended warranty available upon request)
Lantern Options	M550, M650H, M660 or M800 series (or equivalent sized lanterns)
Accessory Options	Mould-on Graphics, Topmarks
Recommended Chain Sizes	12mm - 25mm (chain size will be dependent on the sea state conditions)

NAV03

Ø900mm Cone or Can Navigation Buoy

Small and lightweight these cone shaped navigation buoys are manufactured from strong, durable polyethylene. Foam filled with internal ballast for stability. Fitted with two lifting eyes for ease of maneuverability during installation and servicing. Designed for use with self-contained lanterns with the option to fit a top mark if required. Ideal for marking temporary construction areas, racing marks, navigation channels, outfalls and aquaculture sites.

Features & Benefits

- Available in either a can or cone shape
- A range of top marks are available
- Fitted with two lifting eyes for ease of installation and deployment
- Single point mooring with stainless steel insert
- Free standing for ease of storage during transportation, maintenance, and installation
- Can be fitted with a range of solar powered LED marine lanterns
- Mould on graphics such as warning signage is available upon request



Code	NAV03 - Cone and Can
Diameter	Ø900mm
Nominal Focal Height	1000mm
Overall Height	1200mm
Nominal Draft	370mm
Weight	85kg
Number lifting eyes	2
Internal diameter of lifting eye	37mm
Number of mooring eyes	1
Internal diameter of mooring eye	30mm
Colours	In accordance with IALA Maritime Buoyage System
Life Expectancy	15 - 20 years
Warranty	1 Year (extended warranty available upon request)
Lantern Options	M550, M650H, M660 or M800 series (or equivalent sized lanterns)
Accessory Options	Mould-on Graphics, Topmarks
Recommended Chain Sizes	12mm - 25mm (chain size will be dependent on the sea state conditions)

