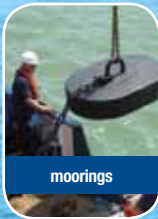


data buoy platforms



moorings



navigation buoys



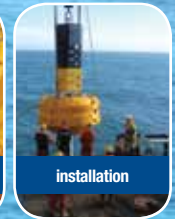
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navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

# Mobilis ES 1700

## spar buoy



MOBILIS

The ES 1700 is a lightweight, cost-effective, spar buoy suitable for use in nearshore locations where a buoy with a low waterplane area is required.

The rotationally moulded spar is made from medium density polyethylene (MDPE) giving the buoy a very strong but lightweight structure that enables it to be handled by small craft without the use of lifting equipment.

Due to its low mass, mooring and sinker weights can be light, making the spar buoy particularly suitable for seasonal or short-term deployment.

Topmarks are available for use as Cardinal and Special Marks, or with plates for use as racing marks. The buoy can also be fitted with light mountings for the Carmanah M650 series lights, which will provide a visible range of up to 3 miles, and a typical focal plane of 1.1m (or up to 2m with a topmark).

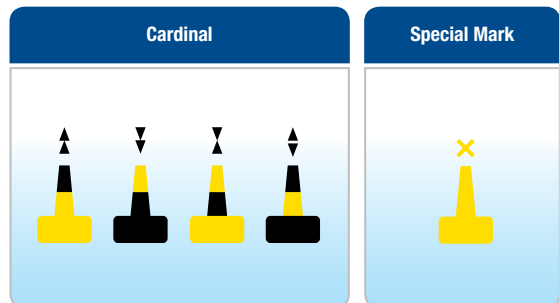


navigation buoys

### features:

- UV stabilised MDPE construction - retains colour within IALA guidelines for more than 15 years
- Virtually no maintenance
- Lightweight moorings and sinkers
- Suitable for a 2NM self contained light
- Easy to deploy
- Selection of topmark assemblies available
- Highly suitable for seasonal or short-term use

### buoy configurations



# Mobilis ES 1700

## specifications and applications

### construction

Hull / Daymark	MDPE
Topmark (optional)	Marine grade aluminium

### physical

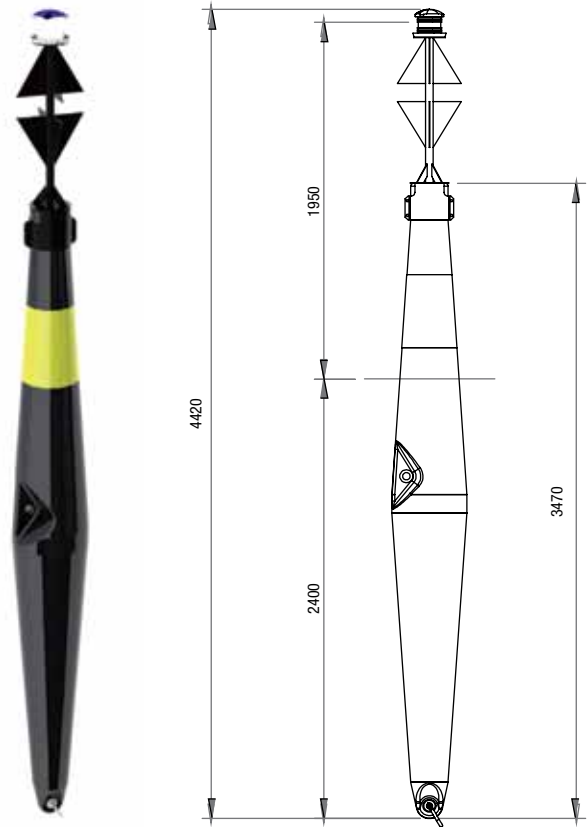
Diameter m	0.4
Mass Kg	31
Max Ballast Kg	N/A
Max Kg	31
Gross Buoyancy Kg	234
Reserve Buoyancy Kg	203
Focal Plane m	1.1
Draft m	2.4
Overall Height m (exc. topmark)	3.4

### application

Inshore	✓
Estuary	✓
Coastal	✓
Offshore	

### mooring

Type	Single Point synthetic/light chain
Chain mm	8 - 16
Sinker Kg	150 +



## the right buoy for the job

To make sure you get the right buoy for your requirements consider all the factors that will affect the visibility and stability of the mark including: depth of water; sea conditions and current; lighting and range of light required; shape and topmarks; and focal plane.

## mooring tips:

The mooring is an integral part of the system that will affect the performance and reliability of the buoy. On problematic locations we recommend a detailed mooring study be carried out to maximise reliability and minimise future maintenance costs.



**hydrosphere**

### about Hydrosphere

Hydrosphere is the UK's leading supplier of aids to navigation and has been providing cost-effective solutions to the marine industry for more than 18 years. We offer a wide range of navigation and mooring buoys, LED navigation lights, sector lights, rotating beacons, leading lights, jetty masts, beach and zone marking products and associated moorings. Installation and maintenance services are available for all our products and systems.

For more information please contact us.

data buoy platforms | moorings | navigation buoys | navigation lights | mooring buoys | installation

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Compliant with all IALA recommendations.

