



data buoy platforms



moorings



navigation buoys



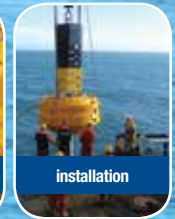
hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

Mobilis zone marking buoys & signage



MOBILIS

Hydrosphere offers a range of small buoys and floats manufactured by Mobilis that are designed for beach and protected area marking.

Managed zone marking and well-marked shore areas can significantly increase user enjoyment and safety - reducing potential user conflict and increasing physical protection through clear indication of usage, restrictions and hazards.

Mobilis zone marking buoys are available in cylindrical, conical or spherical shape and are constructed from rigid, high density polyethylene plastic (HDPE) with optional internal foam.

800mm and 600mm buoys are available to fit with a range of self contained solar powered lights, signs or topmarks. Alternatively, Hydrosphere offer tailor-made signs for more bespoke applications.

Please **contact us** for more information on the full range and variations of buoys and signs available.



zone marking & signage

features:

- Highly visible
- Suitable to fit lights, topmarks and signs
- Optional foam-filled HDPE construction
- 800mm - 400mm diameter
- Extremely durable - buoys retain colour within IALA guidelines for more than 15 years
- Intermediate line floats
- Available in a variety of colours
- Cylindrical, conical and spherical shape options

buoy configurations

Special Mark	Lateral

Mobilis zone marking buoys & signage

specifications and applications

construction

Body	Supple PE, HDPE or foamed HDPE				
Signage	HDPE				

physical

Cylindrical	D 400	D 600	FB 600	D 800	FB 800	
Empty Weight Kg	2.5	7	7	12	12	
Foamed Weight Kg	4	13	13	21.5	21.5	
Buoyancy	Gross Kg*	11.8	40.5	19.8	129	89
	Useable Kg (Empty)	9.3	33.5	12.8	117	77
	Useable Kg (Foamed)	7.8	27.5	6.8	107.5	67.5

Spherical

Empty Weight Kg	2.5	7	7	12	12	
Foamed Weight Kg	4	13	13	21.5	21.5	
Buoyancy	Gross Kg*	11.8	40.5	19.8	129	89
	Useable Kg (Empty)	9.3	33.5	12.8	117	77
	Useable Kg (Foamed)	7.8	27.5	6.8	107.5	67.5

Conical - Truncated

Empty Weight Kg	n/a	7	7	15	15	
Foamed Weight Kg	n/a	13	13	21.5	21.5	
Buoyancy	Gross Kg*	n/a	40.5	19.8	132	92
	Useable Kg (Empty)	n/a	33.5	12.8	117	77
	Useable Kg (Foamed)	n/a	27.5	6.8	110.5	67.5

application

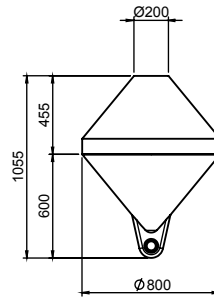
Beach	✓	✓	✓	✓	✓
Estuary	✓	✓	✓	✓	✓
Coastal	✓	✓	✓	✓	✓
River	✓	✓	✓	✓	✓

mooring

Type	Single point synthetic / Light chain
Chain mm	18 - 16
Sinker Kg	150

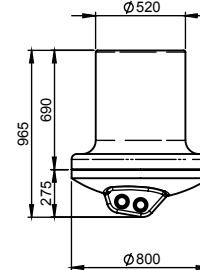
*Gross Buoyancy is calculated from the designed waterline level.

conical-truncated (D 800)

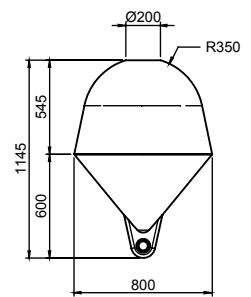


flat bottom, cylindrical (FB 800)

Flat bottom models available for both 800mm and 600mm buoys.



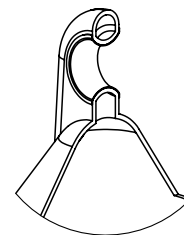
spherical (D 800)



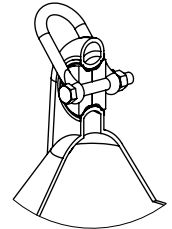
ARNITE kit

The mooring eye is protected with a pinched tube or alternatively, can be furnished with an ARNITE kit for extra protection.

pinched tube



2 wear-resistant ARNITE rings



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.



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 20 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. Rental, installation and maintenance services are also 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.

