



data buoy platforms



moorings



navigation buoys



hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

Mobilis JET 2500 Q & JET 2500 FB



MOBILIS

2m diameter navigation buoys

The JET 2500 is a medium-size buoy with a 1.85m diameter hull that provides 2500Kg of buoyancy. It is particularly suitable for use in nearshore locations where high visibility is required.

The buoy comes in two configurations: the JET 2500 Q, which has a short tailtube, and the JET 2500 FB, which has a flat bottom. The JET 2500 Q can achieve a focal height of up to 3m and provides a very stable platform in deep water and in difficult locations, such as where the bottom shelves. The JET 2500 FB has a focal height of 2.5m and is used in shallow water where there is a likelihood of grounding.

The JET 2500 buoys are constructed around a galvanised steel central structure with 2 medium density polyethylene (MDPE) hull float sections, and tower and topmark assemblies made from marine grade aluminium. The modular design allows for commonality of parts, therefore reducing maintenance, inspection, replacement and spares holding costs. The buoys can be raised by any single lifting eye and can be maintained using small vessels making them a cost-effective and lightweight alternative to traditional GLA Class 3,4 and 5 steel buoys.



navigation buoys

features:

- UV stabilised MDPE components - retains colour for more than 15 years
- Modular system - reduces spares holding
- Multiple mooring configurations including high current capability
- Selection of daymark assemblies accepted
- Interchangeable parts
- Built-in safety features such as a non-slip deck
- Can be tailored to meet the individual requirements for navigation lights, solar panels and battery

buoy configurations

Cardinal	Lateral
Special Mark	Safe Water
	Isolated Danger

Mobilis JET 2500 Q & JET 2500 FB

specifications and applications

construction

Central Structure	Galvanised steel
Hull	MDPE (2 float sections)
Tower / Daymark	Marine grade aluminium or MDPE
Topmark & Radar Reflector	Marine grade aluminium

physical

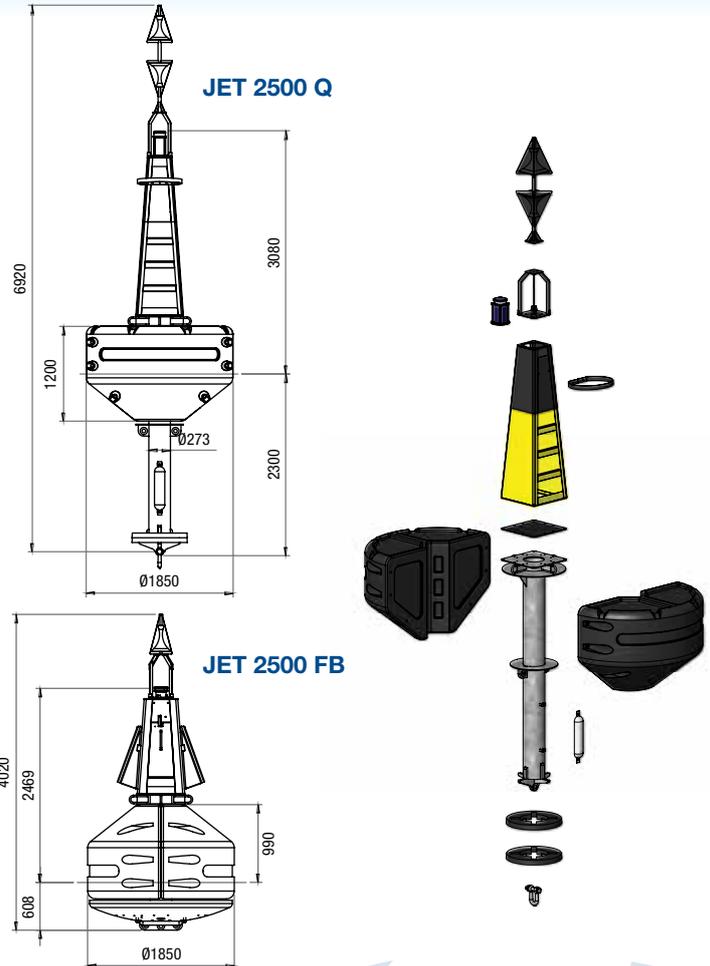
	2500 Q	2500 FB
Diameter m	1.9	1.9
Mass Kg	750	750
Max Ballast Kg	200	N/A
Max Kg	950	750
Gross Buoyancy Kg	2500	2500
Reserve Buoyancy Kg	1550	1750
Focal Plane m	Up to 3.0	2.5
Draft m	2.4	0.6
Overall Height m	6.3	4.0

application

Inshore	✓
Estuary	✓
Coastal	✓
Offshore	✓ (Q version only)

mooring

Type	Single Point
Chain mm	20 - 25
Sinker Kg	2000 - 3000



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 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.

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Compliant with all IALA recommendations.

