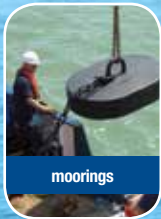


data buoy platforms



moorings



navigation buoys



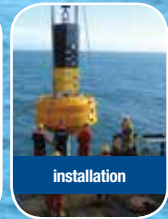
hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

Mobilis JET 9000 QI/QL & JET 8000 J



MOBILIS

3m diameter navigation buoys

The JET 9000 and JET 8000, with 3.0m diameter hulls providing up to 9000Kg of buoyancy, are the largest buoys in the JET series. They are suitable for use in offshore and deepwater locations where a highly visible navigation buoy is required.

Built as an alternative to GLA Class 1 or 2 steel buoys with respect to visibility, focal height and sea-keeping qualities, the buoy has longer maintenance intervals, is much lighter and easier to handle, and can therefore be maintained using smaller vessels.

The JET 9000 is available with intermediate taitube (QI) and long taitube (QL) options and the JET 8000 is skirted (J). The taitube options provide a high focal plane of up to 6m whilst the skirted version can achieve heights of 4m.

The buoys are all constructed around a galvanised steel central structure and use 4 medium density polyethylene (MDPE) hull floats, with marine grade aluminium tower and topmark assemblies. The buoys' modular design allows for commonality of parts, thereby reducing maintenance, inspection, replacement and spares holding costs.

features:

- UV stabilised MDPE components – retains colour within IALA guidelines for more than 15 years
- Focal height of up to 6m
- Modular system - reduces spares holding
- Multiple mooring configurations including high current capability
- Interchangeable parts
- Built-in safety features such as hand-holds, ladders and non-slip deck
- Open tower structure provides easy and safe access for maintenance



navigation buoys

buoy configurations

Cardinal	Lateral
Special Mark	Safe Water
	Isolated Danger

Mobilis JET 9000 QI/QL & JET 8000 J

specifications and applications

construction

Central Structure	Galvanised steel	
Hull	MDPE (4 float sections)	
Tower, Topmark & Radar Reflector	Marine grade aluminium	
Daymark	MDPE	

physical

	JET 9000	JET 8000
Diameter m	3.0	3.0
Mass Kg	2100	2000
Max Ballast Kg	500	400
Max Kg	2600	2400
Gross Buoyancy Kg	9000	8000
Reserve Buoyancy Kg	6400	5600
Focal Plane m	Up to 6m	Up to 4.3m
Draft m	QI	QL
	3.0	5.1
Overall Height m (exc. topmark)	9.5	11.5
		6.0

application

Inshore	✓
Estuary	✓
Coastal	✓
Offshore	✓

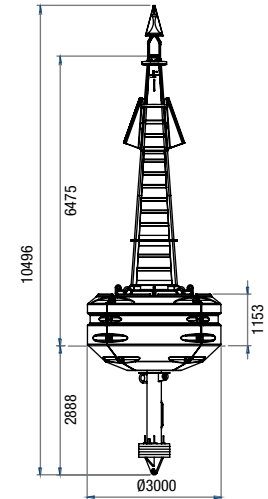
mooring

Type	Single Point / Bridle
Chain mm	30 - 38
Sinker Kg	3000 +

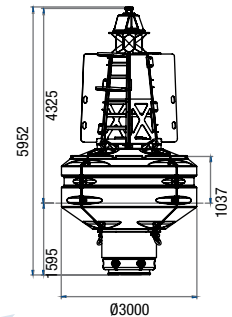
JET 9000 QL
(with high visibility tower)



JET 9000 QI



JET 8000 J



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.

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

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Compliant with all IALA recommendations.

