



data buoy platforms



moorings



navigation buoys



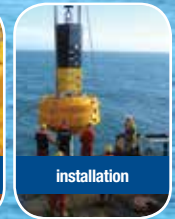
hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

# Mobilis JET 7000 QI/QL & JET 5700 J



MOBILIS

## 2.6m diameter navigation buoys

The JET 7000 and JET 5700 are the second largest buoys in the JET series with 2.6m diameter hulls providing up to 7000Kg of buoyancy. They are suitable for use in offshore, deepwater and river locations where high visibility is required.

The JET 7000 is available with intermediate taittube (QI) and long taittube (QL) options and the JET 5700 is skirted (J). The taittube options provide a high focal plane of up to 6m whilst the skirted buoy has a focal height of up to 4m.

All JET 7000 and JET 5700 buoys are constructed around a galvanised steel central structure and use medium density polyethylene (MDPE) hull floats. Tower and topmark assemblies are made from marine grade aluminium. The buoys' modular design allows for commonality of parts, thereby reducing maintenance, inspection, replacement and spares holding costs. The result is a buoy that has longer maintenance intervals, can be maintained using small vessels, and therefore offers a convenient, lightweight alternative to traditional GLA Class 2 steel buoys.



navigation buoys

### features:

- UV stabilised MDPE components – retains colour within IALA guidelines for more than 15 years
- High size to weight ratio
- Modular system - reduces spares holding
- Multiple mooring configurations including high current capability
- Wide range of navigation lights accepted
- Suitable for radar reflectors and racon
- Built-in safety features such as non-slip deck
- Can be tailored to meet individual requirements for navigation lights, solar panels and battery configurations

### buoy configurations

<b>Cardinal</b>	<b>Lateral</b>
<b>Special Mark</b>	<b>Safe Water</b>
	<b>Isolated Danger</b>

# Mobilis JET 7000 QI/QL & JET 5700 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 7000	JET 5700	
Diameter m	2.6	2.6	
Mass Kg	1750	2000	
Max Ballast Kg	500	400	
Max Kg	2250	2400	
Gross Buoyancy Kg	7000	5700	
Reserve Buoyancy Kg	4750	3300	
Focal Plane m	QI	QL	4.0
Draft m	3.0	5.1	1.7
Overall Height m (exc. topmark)	9.0	11.5	7.0

### application

Inshore	✓
Estuary	✓
Coastal	✓
Offshore	✓

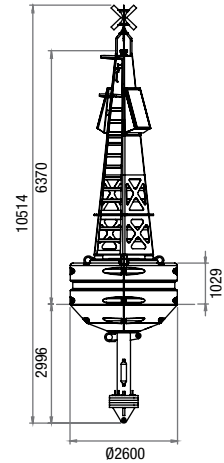
### mooring

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

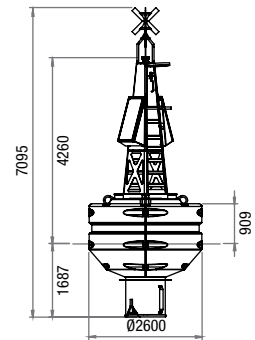
JET 7000 QL



JET 7000 QI



JET 5700 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.



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### 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.

