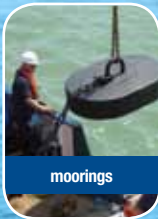


data buoy platforms



moorings



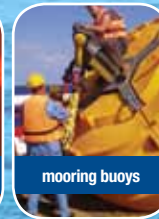
navigation buoys



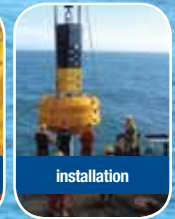
hydrosphere



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.

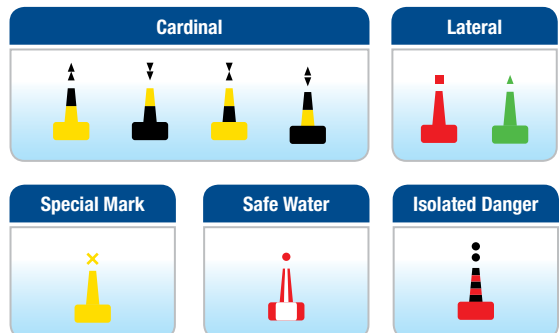


navigation buoys

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

buoy configurations



aquaculture | marinas & sailing clubs | ports & harbours | offshore renewable energy | oil & gas

t: +44 (0)1420 520374 www.hydrosphere.co.uk e: sales@hydrosphere.co.uk

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 | ✓ |

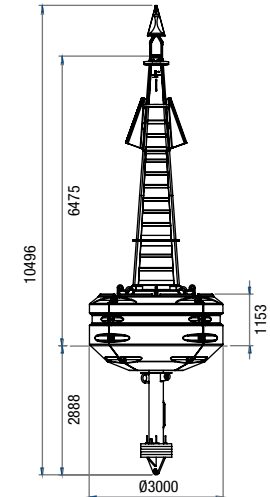
mooring

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

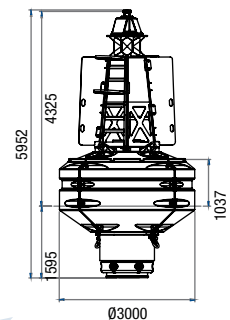
JET 9000 QL
(with high visibility tower)



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 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.

