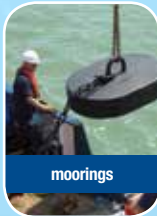
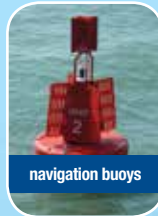




data buoy platforms



moorings



navigation buoys



hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

# navigation buoys

## PRODUCT SUMMARY

LATERAL 🌀 CARDINAL 🌀 SPECIAL MARK 🌀 ISOLATED DANGER  
 SAFE WATER 🌀 WRECK 🌀 INSHORE 🌀 ESTUARY 🌀 OFFSHORE  
 HIGH CURRENT 🌀 SPAR 🌀 BEACH MARKERS



navigation buoys



MOBILIS

# world-leading navigation buoys

Hydrosphere is the UK's leading supplier of aids to navigation and the exclusive UK and Ireland distributor for world-leading buoy manufacturer Mobilis. A comprehensive range of Mobilis buoys are available across a variety of sizes and configurations, from 3m to 0.4m hull diameter.

## 3m diameter range

Available as Intermediate Taittube (QI), Long Taittube (QL), or Skirted (J)



JET 9000



JET 9000



JET 8000 J

## 2.6m diameter range

Available as Intermediate Taittube (QI), Long Taittube (QL), or Skirted (J)



JET 7000



JET 7000



JET 5700 J

## 2.4m diameter range

Available with Intermediate Taittube (QI), Long Taittube (QL), Flat Bottom (FB), or Skirted (J)



JET 5000



JET 5000



JET 4000 J

## 2m diameter range

Available with Taittube (Q), Flat Bottom (FB), or Skirted (J)



JET 2500 FB



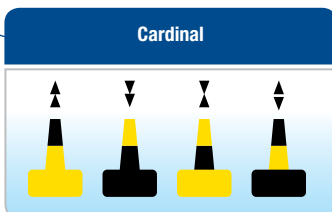
JET 2500



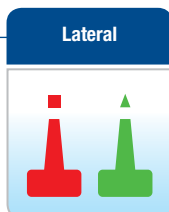
JET 2000 J

## buoy configurations

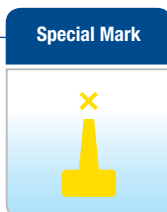
A range of modular towers are available for optional daymarks. For larger buoys the high visibility (HV) towers provide a visual shape with ample space for solar panels and batteries where longer range lights or additional electronic systems are required.



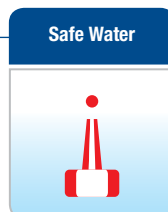
Cardinal



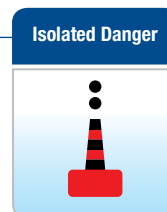
Lateral



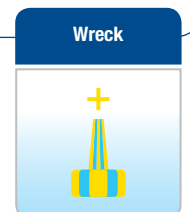
Special Mark



Safe Water



Isolated Danger



Wreck

## 1.24m diameter range

Available with Tailtube (Q) or Flat Bottom (FB)



AQ 1500



BC 1242



FB 1242

## 1.2m diameter range

Available with standard, upright storage, low draft, and high current keel options



T 1200



M 1200



M 1200

## other markers



spar buoys



trackless



zone marking

### adaptable

- Exchangeable interfaces
- Multiple sizes and heights
- Variable buoyancy and weight
- Commonality of parts

### lightweight

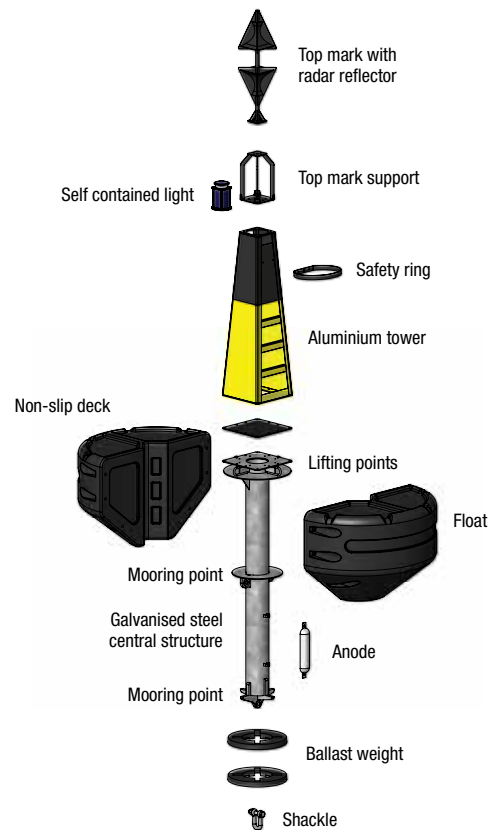
- Easy to assemble
- Quick to deploy
- Cost-effective to repair and maintain
- 2-3 times lighter than steel

### durable

- Galvanised steel central structure
- Moulded polyethylene flotation with UV stabilisation equivalent to 15 year's life
- Appearance easily maintained through pressure washing

### safe

- Self-contained waterproof compartments
- Individually replaceable parts
- Non-slip area and foot lock



**The buoys illustrated in this product summary are a sample of the range and variations available. All buoys can be tailored to meet user requirements regarding colour, shape, navigation lights, radar reflectors, solar power supplies, monitoring systems, and moorings. Full installation and maintenance services are available.**

Compliant with all IALA recommendations.



# specifications and applications

Buoy	Dia. m	Mass Kg	Max Ballast Kg	Max Kg	Gross Buoyancy Kg	Reserve Buoyancy Kg	Inshore	Estuary	Coastal	Offshore	Chain mm	Sinker Kg
JET 9000 QI / QL	3.0	2100	500	2600	9000	6400	✓	✓	✓	✓	30 - 38	3000 +
JET 8000 J	3.0	2000	400	2400	8000	5600	✓	✓	✓	✓	30 - 38	3000 +
JET 7000 QI / QL	2.6	1750	500	2250	7000	4750	✓	✓	✓	✓	30 - 38	3000 +
JET 5700 J	2.6	2000	400	2400	5700	3300	✓	✓	✓	✓	30 - 38	3000 +
JET 5000 QI / QL	2.4	1450	400	1850	5000	3150	✓	✓	✓	✓	25 - 32	3000 +
JET 5000 FB	2.4	1260	250	1510	5000	3490	✓	✓	✓		25 - 32	3000 +
JET 4000 J	2.4	1250	400	1650	4000	2350	✓	✓	✓		25 - 32	3000 +
JET 2500 Q	1.9	750	200	950	2500	1550	✓	✓	✓	✓	20 - 25	2000 - 3000
JET 2500 FB	1.9	750	N/A	750	2500	1750	✓	✓	✓		20 - 25	2000 - 3000
JET 2000 J	1.9	650	160	810	2000	1190	✓	✓	✓		20 - 25	2000 - 3000
AQ 1500	1.24	500	150	650	1500	850	✓	✓	✓		16 - 25	1000 - 2000
BC 1242	1.24	380	100	480	900	420	✓	✓	✓		16 - 25	1000 - 2000
FB 1242	1.24	270	N/A	270	900	630	✓	✓	✓		16 - 25	1000 - 2000
T 1200	1.2	100	50	150	835	610	✓	✓	✓		10 - 20	1000 - 1500
M 1200	1.2	85	N/A	85	380	295	✓	✓			10 - 20	500 - 1000
SP 1200	1.2	500	600	1100	2500	1400	✓	✓	✓	✓	20 - 25	Site dependent
SP 900	0.9	270	400	670	1700	1030	✓	✓	✓		16 - 25	Site dependent
SP 630	0.63	200	120	320	420	100	✓	✓			16 - 25	Site dependent
ES 1700	0.4	31	N/A	31	234	203	✓	✓	✓		8 - 16	150 +
ES 450	0.45	46	35	81	235	119	✓	✓			14 - 20	Site dependent
Trackless	0.9 x 2.0	65	N/A	65			✓	✓			8 - 16	1000 +

**Guidelines only.** See individual product datasheets for full specifications.

## 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.

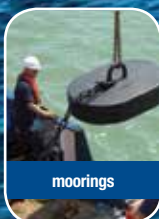
## about Hydrosphere

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



hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

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