**Purchase Specifications for a
750mm diameter Marker Buoy suited to Fast Water**

**Overview**

This specification is for a 750mm diameter marker buoy suited to fast water.

The buoy shall have a single piece float.

The buoy shall be available in can or cone shape.

The buoy shall have a 316-grade moulded-in tie bar to provide lifting strength.

The buoy shall be rotationally-moulded using UV-stabilized, virgin polyethylene.

The buoy shall be a unique design suitable for fast currents and shall have multiple mooring eyes and counterweight mooring points to facilitate correct operation over varying water depths and speeds up to six (6) knots.

**1.0 General Characteristics**

The buoy shall be available in red, green, white or yellow as per IALA Recommendations.

The buoy shall have a focal plane height up to 1195mm (147 inches).

The buoy shall have a total float volume of 412 litres (109 US gallons).

The buoy shall have a reserve buoyancy of 24kgs (53lbs).

The maximum mooring load of the buoy shall be 24kgs (53lbs).

The buoy shall have a maximum draft of 695mm (27½ inches).

The buoy shall have a minimum freeboard of 790mm (31⅛ inches).

The buoy shall have a safe working load of 1000kg (2205lbs) at one (1) point.

**2.0 Physical Characteristics**

The buoy shall be rotationally-moulded using UV-stabilized, virgin polyethylene.

The float section of the buoy shall have a wall thickness of 6mm (¼ inch).

The buoy shall have a ballast of 20kg (44lbs).

The float section of the buoy shall be filled with closed-cell polyurethane foam.

The buoy shall have a height of 2005mm (78⅞ inches).

The buoy shall have a width of 750mm (29½ inches)

The buoy shall have a mass of 64kg (141lbs).

The buoy shall have a stainless steel keel.

The life expectancy of the buoy shall be up to 12 years.

**3.0 Options**

The buoy shall be offered with the following options available from the manufacturer:

* Mould-in graphics
* Suitable marine lanterns

**4.0 Certifications**

The manufacturer shall be ISO9001:2008 certified.

**5.0 Warranty**

The buoy shall have a one (1) year warranty.