

## EM 3000 Class 2 Polyethylene Steel Skirted Buoy MK1

Corilla's innovative, rotationally moulded plastic navigation buoys now make their steel predecessors obsolete. Suited to deep water, offshore and tidal applications, their design ensures a durable, lightweight and rust free alternative.

Corilla's buoys can remain at sea far longer than their steel counterparts, making them operationally superior.

### Key Dimensions

Diameter mm	3000
Overall height mm	4620
Overall weight Kgs	2000
Focal Plane (FP) in mm (typical)	3900
Reserve Buoyancy weight Kgs:	4200
Waterline above datum mm (typical)	400
Chain size mm (typical)	32/38
Sinker weight in water Kgs (typical)	5000

Typical chain length 2 to 3 times depth in most circumstances

### Steel Core

Designed for long life and manufactured from grade 43A mild steel, complete with two lifting eyes and two mooring eyes attached to the steel skirt. Day mark tower and day mark wings attach to core by easy access fasteners. Finished in hot dipped galvanised after manufacture, to BSE ISO 1461-1999.

### Float Collars

Four part rotationally moulded specially formulated extra high UV stabilised polyethylene. Foam filled with marine grade safety approved foam. These collars can be replaced either individually or as a set if damaged through a collision. Replacement can be carried out without removing the buoy from its mooring. Minor damage can be repaired on site using a hot air gun and polyethylene welding rods.

### Day Mark Tower

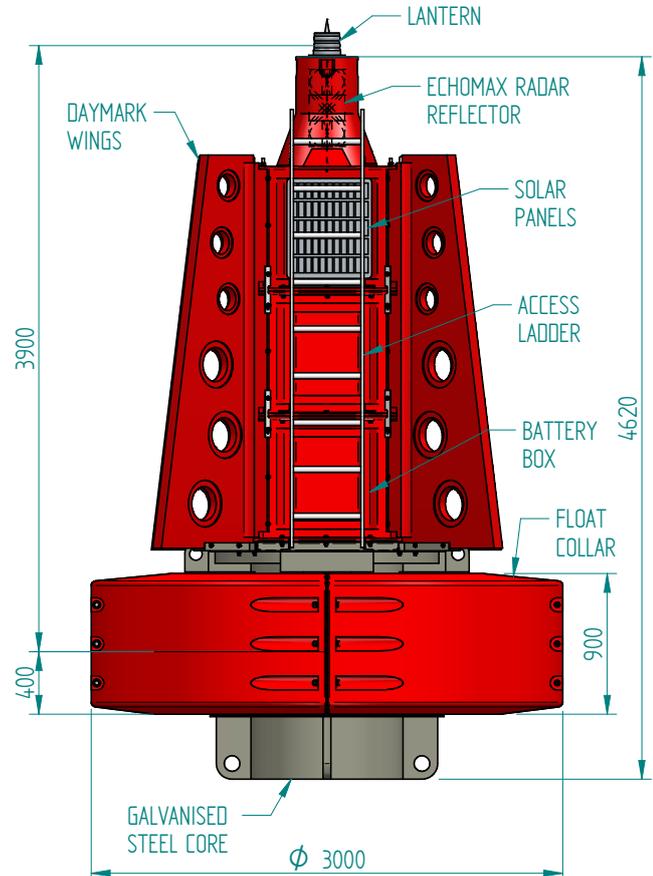
Three common box cube sections flanged and bolted together. Manufactured from rotationally moulded with specially formulated extra high UV stabilised polyethylene. The top unit houses the Echomax 305 radar reflector giving a peak RCS of up to 74m2 reflection. Up to eight solar panels can be mounted to the specially indented box sides.

### Day Mark Wings

Four rotationally moulded and specially formulated extra high UV stabilised polyethylene, are sleeved and bolted to each individual box section and secured at the base within a steel channel.

### Battery Box

Resin coated aluminium and steel box secured to the top plate of the steel core and housed within the lower cube. Two x 200 A/h batteries can be located within the box. A lockable hatch allows easy access to batteries.



### Lantern

Any suitable preferred manufacturer compatible lantern can be fitted.

### Access

A fixed ladder is supplied.

### Optional Extras

Two coats ZINGA on steel core substantially increases service life. LD marks into daymark. Racon and/or wave generator.

### Moorings

To achieve a moored height of 400mm above datum at high tide, the floated mooring weight should be approximately 25% of the reserve buoyancy.

### Navigation Buoy Depth Guide

10Mtrs - 50Mtrs

### Contact

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