

EM 2400 Polyethylene Steel Skirted Navigation Buoy

Corilla's innovative, rotationally moulded plastic navigation buoys now make their steel predecessors obsolete. Suited to inner harbour, river and costal application, 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	2400
Overall height mm (typical)	4560
Overall weight Kgs	610
Focal plane (FP) in mm (typical)	3000
FP with 800mm SET ext (typical)	3800
Reserve Buoyancy (sealed) weight Kgs:	2487
Waterline above datum mm (typical)	340
Chain size mm (typical)	32/38
Mooring weight Kgs (typical)	2300
Typical chain length 2 to 3 times depth in most circumstances	

Steel core

The steel core of the EM buoys is the hub to which the float collars, day mark and lifting and mooring eyes are attached. Made from grade 40 mild steel. Galvanised to BSE ISO 1461-1999.

Float Collars

Two 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. This operation can be carried out without removing the buoy from its mooring.

Day Mark

Rotationally moulded and specially formulated extra high UV stabilised polyethylene. Aluminium safety rail attached to outside of day mark. Secured to steel core by 8 x M12 316 stainless steel fixings. If required graphics can be moulded into this component.

Service Exchange Tower (SET)

Rotationally moulded specially formulated extra high UV stabilised polyethylene, it has the capacity to take one or two 200 A/h batteries and a junction box (to IP67 rated). Plugs are all Bulgin Buccaneer 400 mini series IP67 rated. If required graphics can be moulded into this component.

Lantern

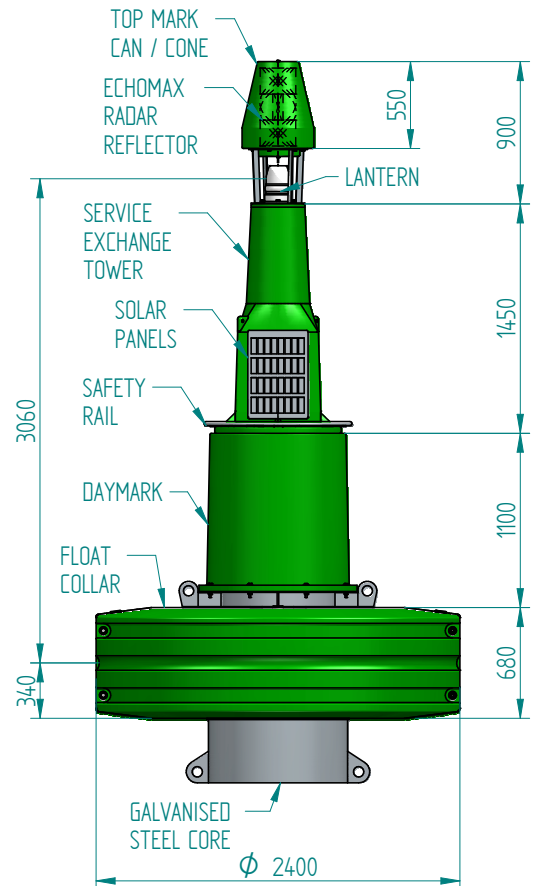
Any suitable preferred manufacturer compatible lantern can be fitted.

SET Optional Extras

Charging system: One x 60A/h or 100A/h gel battery, up to four solar panels, one regulator housed in IP67 rated box secured to battery mounting plate. Plugs are all Bulgin Buccaneer 400 mini series IP67 rated.

Non Lateral Buoys

The Echomax radar reflector is fitted top of the SET.



Lateral Buoys

Supplied with Echomax 230 radar reflector in top mark.

Top Mark

Lateral buoys only: Rotationally moulded and specially formulated extra high UV stabilised polyethylene. The Echomax 230 radar reflector is moulded in. The radar reflector gives a peak RCS of up to 24m².

Options

Two coats of ZINGA on steel core substantially increases service life.

Moorings

To achieve a moored float height of 340mm (i.e. 50% of the float collar height at high tide,) the floated mooring weight at high tide should be approximately 50% of the reserve buoyancy.

Navigation Buoy Depth Guide

10 - 40Mtrs



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