



Seagull Navigation Buoys

JFC are delighted to introduce our range of Seagull Navigation Buoys. Designed for use both inshore and offshore applications these modular designed buoys aim to set a new standard in floating aids to Navigation. JFC Marine have considered all aspects of the buoys life at sea which are designed and manufactured for the most demanding conditions using superior quality materials and considering ease of assembly both onshore or on deck of support vessels.

Designed with an emphasis on durability, flexibility, and economy throughout, Seagull buoys feature a unique hull, central core and ballast arrangement, with a modular adaptable day mark. They also boast excellent stability characteristics, power system versatility, and environmental credentials. By addressing key design criteria, Seagull buoys can reduce costs and maximise servicing intervals. Safe access for maintenance personnel and ease of operation has been prioritised as have all mooring and retrieval requirements.

The Seagull buoy range is manufactured in accordance with the IALA (International Association of Marine Aids to Navigation and Lighthouse Authorities) high visibility colours and shapes to suit a range of installation requirements.

Sizes Available:

Product Code	Description	Focal Height
SG3000	ø3m Navigation Buoy	4.0 - 6.0m+

Features & Benefits

- Large high focal plane marine buoy
- High visual and radar conspicuity
- Aluminium crow's nest
- Large modular plastic daymark
- Suitable for any power system requirements
- Optional integrated battery compartment
- Unique chassis with open central core
- Multiple lifting and mooring points
- Adjustable cast iron ballast
- Shallow draft
- Reduced hydrodynamic and aerodynamic drag
- UV15 stabilised polyethylene throughout
- Excellent strength, durability, and stability characteristics
- Ease of maintenance – servicing & storage
- Safe access for maintenance personnel
- Reduced capital and operational cost



Key Product Features

Polyethylene Modular Design

- Excellent strength and durability
- Highly visible daymark with solid silhouette
- Improved assembly (ease, speed & flexibility)
- No sandblasting required
- Reduced carbon footprint - sustainable and recyclable
- Reduced aerodynamic drag
- Reduced maintenance and operational costs

Unique Centre Core Design

- Central core and ballast arrangement designed for both maximum stability and ease of storage on land or ships deck.
- Superior structural strength due to centre core design
 - Internal bracing system from lifting to mooring eye
 - 15 Ton static load capacity
 - 4 large lifting eyes for ease of manoeuvrability
- 4 wear resistant mooring eyes for improved mooring flexibility and service life
 - Replaceable bushings on mooring eyes
- Increased stability
 - Mooring eyes near centre of gravity
- Optional access through hull for subsea seasons
- Optional Wave Activated Generator (WAG)
- Optional sacrificial anodes
- Shallow overall draft



Adjustable Ballast

- Adjustable ballast with minimised drag
- 2 lifting handles located on ballast
 - Safe lifting loads for two people
 - Interlocking ballast
- Interchangeable ballast
- Easy to install and dismantle
- Drag and associated mooring loads minimised
- Bridle mooring for increased stability recommended



Crow's Nest

- Aluminium crow's nest fitted for enhanced personnel safety
- Increased radar response
- Easy access to solar panels, beacons and racons for maintenance purposes
- Flexibility for AtoN and Non AtoN systems



Power System

- Power system flexibility
- Recessed elements for increased protection of solar panels and ladder
- Reduced drag
- 8 recessed solar panel compartments available (dependent on buoy configuration)
- Accessible and scalable photovoltaic solar array



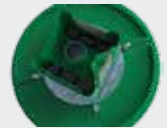
Centre Tower Structure

- Galvanised steel centre pole for additional tower structural strength
- High focal plane achievable
- High radar visibility
- Recessed vertical ladder for safe access
- Aluminium / lattice daymark options also available



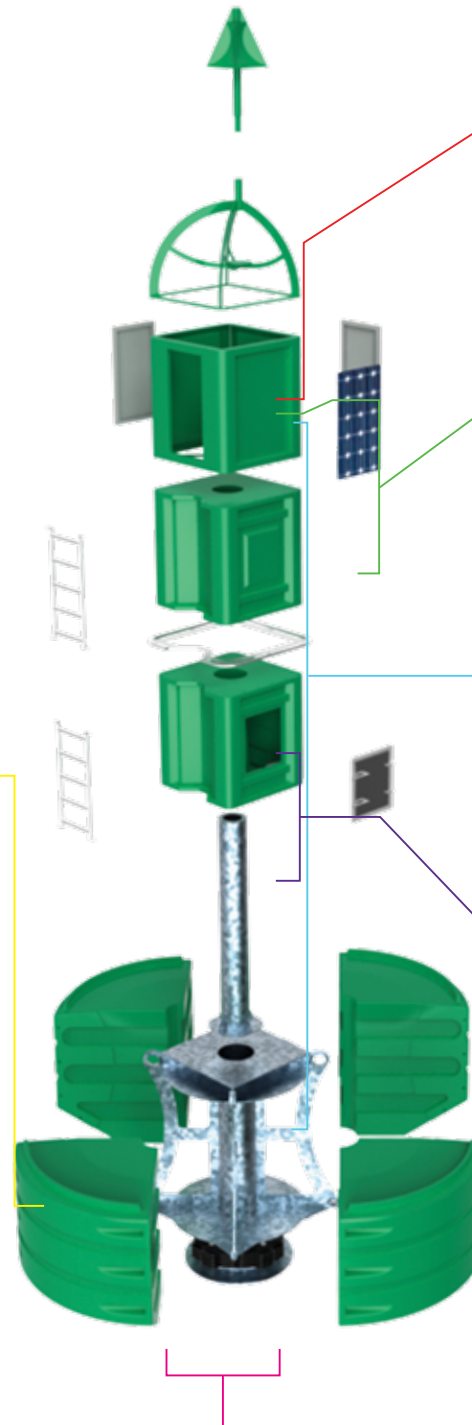
Storage Compartment

- Built-in battery holding compartments
- Improved battery storage capacity



Bottom Plate

- Enables buoy to sit upright providing;
 - Increased storage space on land
 - Increased effective storage area on ship's deck
- Easier to secure on ship's deck
- Protects the ballast during loading and unloading





Seagull ø3.0m Specification

Application	Offshore / Coastal
Colours	As per IALA E-108 Specifications
Hull Diameter	3.0m
Focal Height	4.0 - 6.0m+
Mass (without ballast)	2500kgs
Typical Ballast	800kgs (16 X 50kgs)
Centre Core Material	Galvanised Structural Steel
Buoy Body Material	UV Stabilised Marine Grade PE
Crows Nest Material	Marine Grade Aluminium
Sacrificial Anode Material	Zinc
Nominal Freeboard	0.95m
Nominal Draft	1.3m
Battery Box	Optional
Top Mark Frame	Design to suit AtoN
Recommended Chain Size	32mm
Typical Sinkers	2 X 1500kg
Solar Panels	Optional Extra