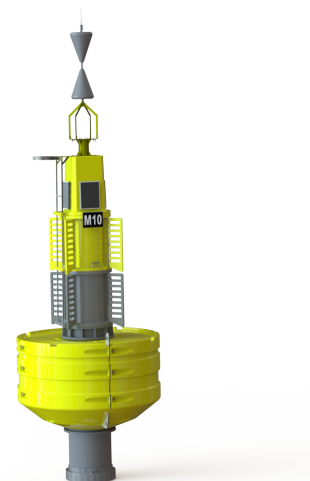


SB-3.0 Buoy

Sentinel® Buoy

The SB-3.0 has a fully modular design which is configurable to meet most of the demands of our customers. Manufactured using the latest raw materials and construction methods, the buoy is fully compliant with IALA Guidelines. Medium Density Polyethylene float sections form the heart of the buoy giving it physical strength that resists damage. The buoy's unique design and controlled manufacturing process ensure a homogeneous profile with an increased thickness in high stress areas.



CHARACTERISTICS

- Central Core manufactured from either High Density Polyethylene (HDPE) or Galvanized Steel. The design allows each of the hull sections to be easily fitted and quickly replaced if damaged. As an option the Central Core can be fitted with zinc anodes.
- The buoy has two lifting and two mooring eyes; they are manufactured from 316 Stainless Steel for the HDPE Core option and Galvanized Steel for the Galvanized Steel Core option.
- The tower can be manufactured from MDPE in either a two module or three module configuration or Galvanized Steel painted in line with IALA requirements. The steel tower can only be fitted on the steel Central Core.
- When required, the top section of the tower can be fitted with additional solar panels and an optional battery box and lockable hatch can be fitted in the base of the tower.
- All IALA configurations are available.
- The buoy is available with the following options:-
 - Stainless Steel Ladder rated for over 200kgs
 - Nameplates
 - Aluminium or Polyethylene Top Mark
 - Polyethylene Day Mark Panels to improve daytime visibility

BENEFITS

- Central Core design allows each of the hull sections to be easily fitted and quickly replaced if damaged.
- Outstanding colour retention and physical strength that resists damage.
- Medium Density Polyethylene repels marine growth.



SB-3.0 Buoy

Sentinel® Buoy

Technical Details Steel Core Steel Tower	
Diameter	3000mm
Foam Filling	Marine Grade Polyurethane
Nominal Freeboard	1050mm
Draft	1450mm
Nominal Focal Plane Height Steel Tower	4 meter
Core Construction	Galvanized Steel
Float Construction	Rotationally moulded MDPE polyethylene, 12mm thick
Tower Construction	Mild steel, galvanized and painted in color
Visual Area Steel Tower	5m ²
Air Weight	2600 kg
Submergence	70kg/cm
Radar Reflector	>10m ² (X-band)
Color	All IALA colours available (Guideline E108)
Maximum Mooring Load	5000kg
Maximum Current	Up to 5 Knots



SB-3.0 Buoy

Sentinel® Buoy

Technical Details Steel Core PE Tower	
Diameter	3000mm
Foam Filling	Marine Grade Polyurethane
Nominal Freeboard	1000mm
Draft	1400mm
Nominal Focal Plane Height	3677mm 2 Section Tower
Nominal Focal Plane Height	4712mm 3 Section Tower
Core Construction	Galvanized Steel
Float Construction	Rotationally moulded MDPE polyethylene, 12mm thick
Tower Construction	MDPE Polyethylene
Visual Area 3 Section Tower	7 m² without Day Mark Wings
Visual Area 2 Section Tower	5,4m² without Day Mark Wings
Air Weight	2900kg 3 Section Tower, 2800kg 2 Section Tower
Submergence	70kg/cm
Radar Reflector	10m2 (X-band)
Color	All IALA colours available (Guideline E108)
Maximum Mooring Load	5000kg
Maximum Current	Up to 5 Knots

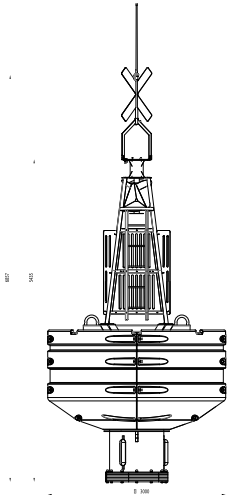
SB-3.0 Buoy

Sentinel® Buoy

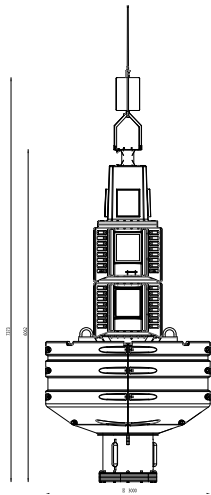
Technical Details HDPE Core PE Tower	
Diameter	3000mm
Foam Filling	Marine Grade Polyurethane
Nominal Freeboard	1100
Draft	1500
Nominal Focal Plane Height	3800mm 2 Section Tower (solamax65T)
Nominal Focal Plane Height	4800mm 3 Section Tower (solamax65T)
Core Construction	HDPE Pipe
Float Construction	Rotationally moulded MDPE polyethylene, 12mm thick
Tower Construction	MDPE Polyethylene
Visual Area 3 Section Tower	7 m² without Day Mark Wings
Visual Area 2 Section Tower	5,4m² without Day Mark Wings
Air Weight	2200kg 3 Section Tower, 2150kg 2 Section Tower
Submergence	70kg/cm
Radar Reflector	10m2 (X-band)
Color	All IALA colours available (Guideline E108)
Maximum Mooring Load	5000kg
Maximum Current	Up to 5 Knots

SB-3.0 Buoy

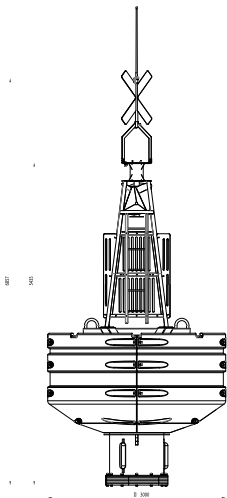
Sentinel® Buoy



SB 3.0 PE Core
PE Tower



SB 3.0 Steel Core
PE Tower



SB 3.0 Steel Core
Steel Tower