



SB-3.0

Sentinel® Buoy

The SB-3.0 is Tideland's latest addition to its range of buoy products. With 60 years of experience, Tideland is able to offer varying solutions for specific customer requirements. This unique buoy utilises the latest materials in float construction. The design is rugged with exceptional performance and is designed for minimal maintenance and long life.

FEATURES

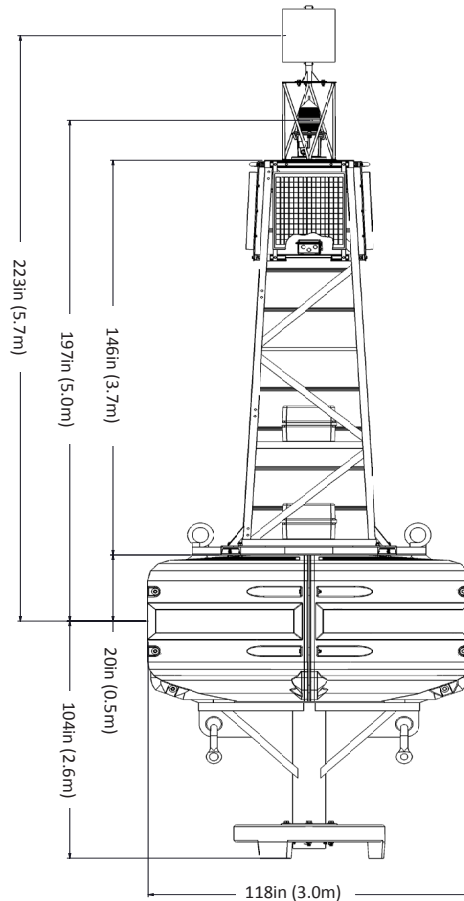
- **TOUGH POLYETHYLENE** float sections (Quantity 4) form the heart of the buoy. Colour pigment is compounded into virgin polyethylene which is further enhanced by Tideland's unique, UV15 stabilizer. Results are outstanding in terms of colour retention and physical strength that resists damage. Unique mould design and control process ensure a homogeneous profile with an increased thickness in high stress areas. This polyethylene also assists in repelling marine growth.
- **A SINGLE COUNTER WEIGHT** manufactured from cast steel, is fixed to the base by a strong, yet simple, technique. This allows counterweight attachment within minutes during buoy deployment.
- **HULL FRAME** is manufactured from galvanised steel and is fitted with two lifting eyes and two mooring eyes. The design allows each of the hull sections to be easily fitted and quickly replaced if damaged. As an option, the hull frame is also available in stainless steel.
- **TOP SUPERSTRUCTURE** comprises a simple galvanized frame with an integral ladder rated for over 200kgs, man guard and support plate for lanterns and lantern guards. There are also pre-designed holes for mounting solar panels and battery boxes in the base. Options include painting the superstructure to match hull float sections, as well as a stainless steel version. The superstructure can be removed from the core for maintenance purposes.
- **OPTIONS** day marks, top marks, solar panels, battery box and battery pack, AIS AtoN, RACON, along with a buoy monitoring system utilising VHF, GSM, or satellite communication links.



SPECIFICATIONS

Diameter	118in (3000mm)
Foam Filling	2lbs/ft³ (32kg/m³)
Tower Height	146in (3700mm)
Nominal Freeboard	20in (508mm)
Draft	104in (2642mm)
Nominal Focal Plane Height	197in (5000mm)
Construction	Rotationally moulded polyethylene four float sections, 12.5mm thick and galvanised frame in two sections (hull and superstructure)
Visual Area	65ft² (6.08m²)
Air Weight	7,114lb (3,227kg)
Submergence	406lbs/in (72kg/cm)
Radar Reflector	10m² (X-band)
Radar Range, Nominal	3 to 4NM
Colour	As Specified (All IALA colours available)
Maximum Mooring Load	10,950.7lbs (4,967kg)
Maximum Current	Up to 7 Knots

SB-3.0 PROVEN FOR ROUGH SEAS AND HEAVY PAYLOADS



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