GBM-3000

**Polyethylene Buoy**

**Diameter:** 3.0m  
**Volume:** from 7.5 to 12m³

For exposed sites

With its modular design, the GBM-3000 can match various applications in harsh marine environment. The combination of its 3 main elements is custom-made according to site conditions and client requirements.

- 4 segments of float in virgin polyethylene, UV stabilised and precompounded to reduce colour ageing, with standard wall thickness 12mm (higher available upon request), and expanded polyethylene (EPS) foaming
- High Visibility Polyethylene (HVPE) or Aluminium (ALU) spar
- 2 types of central structure in galvanized steel: standalone tube with a concrete ballast directly integrated and encapsulated in a polyethylene envelope (SATPE), or standard tail tube (TT)

2 types of spar, to offer enhanced visibility and match all focal plane requirements

- **HVPE**  
  - 2.7m high
- **ALUMINIUM**  
  - Adjustable from 3 to 4m to comply with focal plane requirements

3.0m diameter float

- 7.5 or 10 or 12m³ volume  
  - Filled with EPS foam

**Central Structure**

- **SATPE:** standalone tube with ballast integrated in PE envelope  
  - TT: tail tube

**Additional Characteristics**

- Reserve buoyancy (m³): 5.9 to 10.2
- Focal plane (m): 4 to 6.2
- Draught (m): 1.1 to 4.2
- Overall height (m): 6 to 11.6
- Ballast (kg): 415 or 520
- Total weight (kg): 1,400 to 2,100
- Visibility (m²): 5.8 minimum
- Recommended mooring: Ø 35mm open link chain (with bridle for SATPE)

**Recommended lantern**

Self-contained LED lanterns or standalone lanterns with solar generator, with range from 4 to 10NM

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The standalone tube (for 7.5m³ float only) enables the buoy standing upright in service yards or vessels.