

The TIDAL™ 0.40m CAN buoy is an economical unlit marker. Available in CAN and CONICAL versions, it is ideal for marking channels. The CAN version in Cautionary Yellow is used as a boundary marker for marine works.

KEY FEATURES

- Economical Unlit Marker Buoy
- Rugged Polyethylene Construction
- Internal Ballast allows use in Shallow Water
- 100% Foam Filled with large Handling Eye
- 100% Recyclable after a long service life

MANUFACTURED TO LAST

Virgin colour compounded UV-20 polyethylene designed and tested to provide long-lasting colour fade and impact resistance. Completely foam filled to prevent water ingress if the buoy is damaged.

EASE OF HANDLING

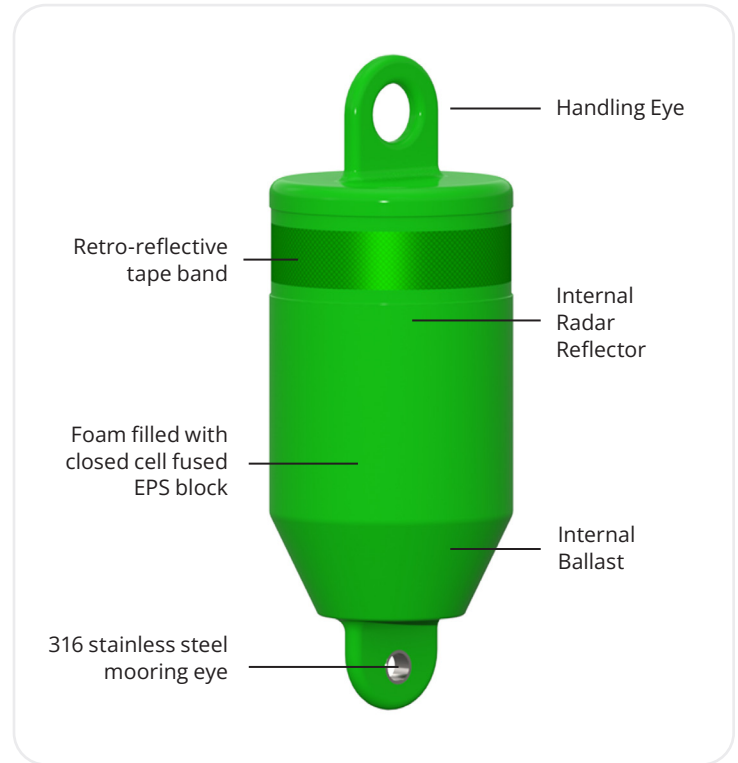
The large handling eye and relatively lightweight make this buoy ideal for marking shallow channels that require re-positioning of the buoys within the waterway from season to season.

INTERNAL BALLAST

The internal ballast provides upright stability of the buoy in shallow waterways where there is frequently a lower weight from the mooring chain.

COLOUR CONFIGURATION

Available to meet the requirements of all IALA Colour / Configuration Recommendations.



RECYCLING AND REUSE

All TIDAL™ buoys are manufactured solely with materials that are readily recyclable; items like the radar reflector are designed and secured so they can be re-used. Call to discuss how you or TIDAL™ can recycle your buoys.



GENERAL SPECIFICATIONS

Diameter	16.7 in	0.42 m
Overall Height	45.0 in	1.14 m
Mass	44 lbs	20 kg
Hull Floatation Volume	3.57 ft ³	0.101 m ³
Submergence (Freshwater)	7.8 lbs/in	1.39 kg/cm
Max. Mooring Mass (Air Weight)	55 lbs	25 kg
Min. Mooring Mass (Air Weight)	11 lbs	5 kg
Draught (at Min. Mooring Mass)	15.4 in	0.39 m
Reserve Buoyancy (at Maximum Mooring Mass)	67 lbs	30 kg

PERFORMANCE SPECIFICATIONS

Visible Height (at Min. Mooring Mass)	29.6 in	0.75 m
Visual Area / Surface (at Max Visible Height)	2.80 ft ²	0.26 m ²
Distance of Recognition (at Max. Visible Height)	0.31 NM	0.57 Km
Radar Range	0.25 NM	0.46 Km
Internal Radar Reflector (RCS: Peak / Average over 360°)	2 m ²	

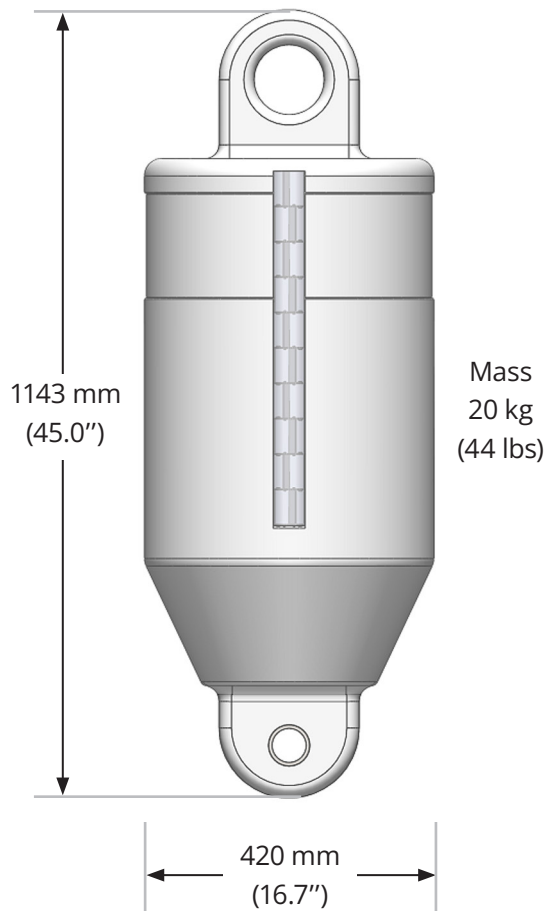
MATERIAL SPECIFICATIONS

Topmark	Conical top version available	
Buoy Hull	Virgin MDPE with UV20 protection package	
Wall Thickness	5/16 in.	9 mm
Foam Filling	Closed cell EPS fused in situ block	
Mooring Eye	316 stainless steel	
Colours	Compliance with IALA Recommendation R0108	
IALA Compliance Testing	Independent laboratory test results available	
Colourfastness Test Procedure	Xenon Arc Accelerated Weathering per ASTM D-2565	
Colourfastness Testing	Independent test results available per ASTM D-2244	
Product Life Expectancy	> 20 years	
Warranty	5 years	

Mooring Line Design

- Mooring design to optimize the performance of each buoy.
- Advanced 3D dynamic analysis of the mooring line and buoy.
- Supply of custom mooring lines with proven components.
- Catenary, inverse-catenary, chain, and synthetics.

Our advanced modelling software can perform dynamic analysis of the interaction between the mooring line and the buoy in normal "operating" conditions to assess and optimize buoy performance. Importantly, this dynamic analysis is also used to assess performance across a range of "survival" conditions.



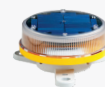
M550



M650



M660



We carry a wide range of self-contained and externally powered lights for navigation buoys from world leaders such as Sabik, Sealite, Ekta, and Vega.

Depending on the size and use of the buoy, we offer options such as AIS Type I or Type II, remote monitoring & control, and on-board solar power systems.

PERFORMANCE SUMMARY

