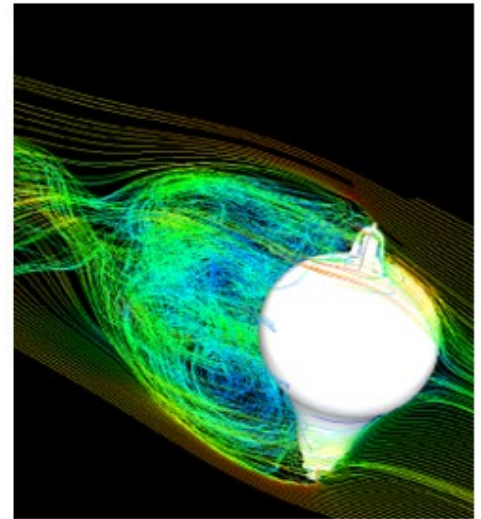
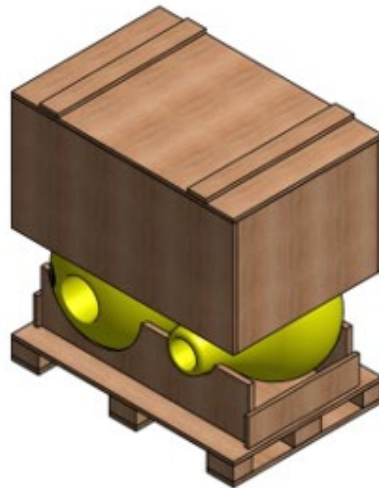


Datasheet

Ultra Low Drag Transponder Floatation Collar



Sonardyne's range of subsea floatation collars enable acoustic navigation and positioning transponders to be deployed, moored on the seabed and then recovered to the surface.

The ultra low drag lightbulb shaped float offers a significant reduction of the deflection caused by water currents and dramatically improves the stability of the transponder. The levels of both the deflection and stability directly affect the quality of the achievable positioning. The lightbulb float therefore ensures optimum performance from the seabed installed transponders.

The ultra low drag and highly stable float further allows users to deploy transponders much higher off the seabed increasing the achievable acoustic range. This reduces the required number of transponders enabling life of field positioning without requiring complicated deflection correction methods.

The lightbulb float has been stringently tested in order to determine its deflection and stability using various strop lengths and seabed current strengths. A report of the wind tunnel and CFD analysis is available on request from Sonardyne. Results show that in a 0.4 m/s current using a 10 m length strop, the new float design produces less than 1 m deflection. This is much improved over the standard float whose deflection would be well over 3 m in the same scenario.

The float is compatible with all Sonardyne's latest generation Compatt 6 transponders. Bright colours offer good visibility, either when subsea and viewed from an ROV's camera or when floating on the surface prior to recovery.

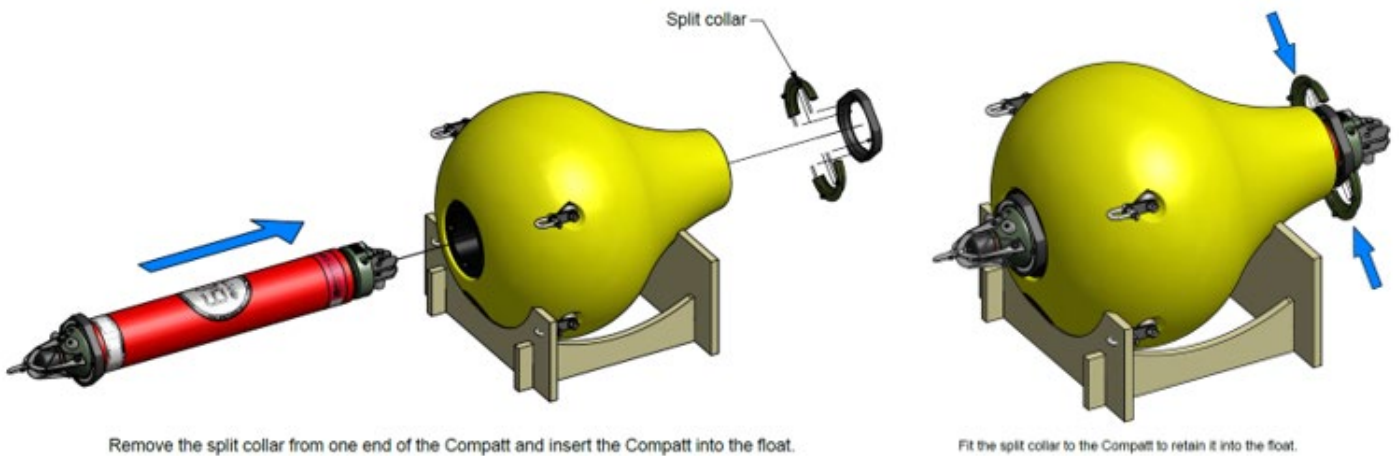
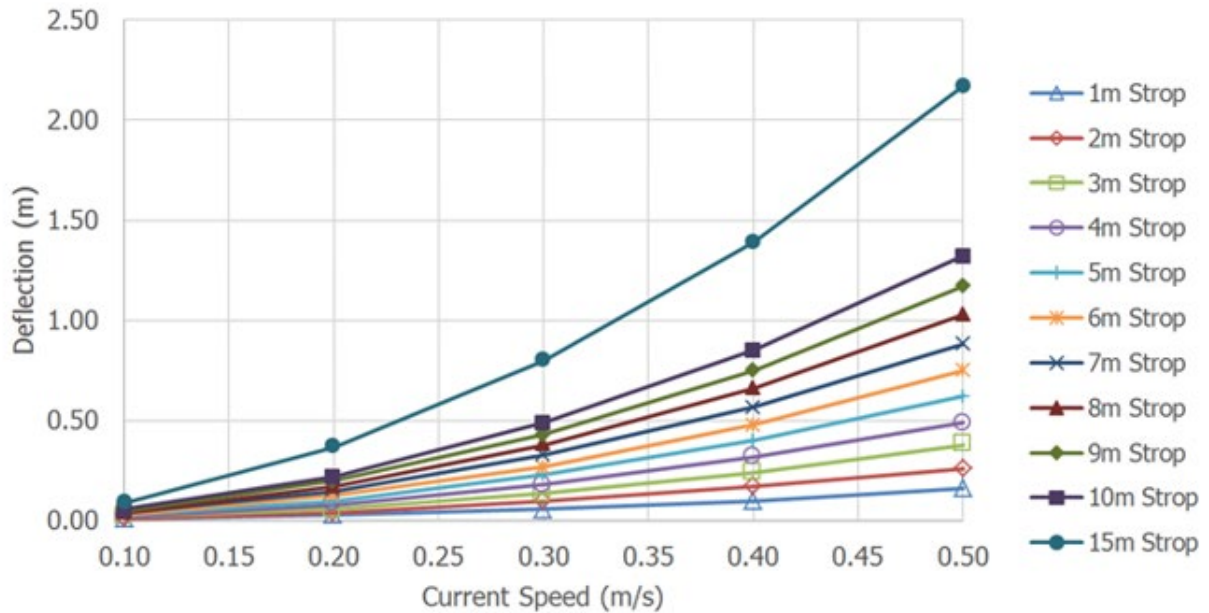
Key Features

- Designed to yield less deflection and provide greater stability in seabed currents
- Enables life of field positioning with reduced numbers of transponders without requiring complex deflection correction methods
- Compatible with Sonardyne Compatt 6 transponders
- Manufactured from syntactic foam core encapsulated within a high visibility polyurethane elastomer coating
- Lifting eyelet inserts incorporated to ease transponder deployment and recovery
- Supplied in stackable transit crates that double as handling frames when on deck to avoid rolling due to vessel movement
- 3,000 m depth rating

Specifications

Ultra Low Drag Transponder Floatation Collar

Sonardyne Low Drag Float - Mean Deflection - 10mm Polypropylene Strop



Feature	Ultra Low Drag Transponder Floatation Collar
Depth	3,000 m
Weight in Air	60.5 kg
Nett Buoyancy	34.5 kg
Dimensions (Length x Width)	699 x 600 mm
Part Number	
Float Only	870-0017
MF Omni-Directional Kit	650-0158
MF Directional Kit	650-0174