StableMoor® Mooring Buoys

Specifically engineered for high current applications, the StableMoor® is designed to reduce drag and increase mooring stability in extreme flow regimes. By decreasing frontal area (compared to our standard spherical buoys) and increasing dynamic stability in high current areas, the StableMoor® minimizes mooring inclination and excursions. The StableMoor® is the lowest drag instrument platform available today.

The StableMoor® is cast from a buoyant core of solid DeepTec® syntactic foam and wrapped in a protective layer of GRP that provides a smooth and durable exterior. The high-strength GRP tail and 316L stainless steel mooring swivel allow for smooth transitions from changes in current direction and provide increased directional stability. Best of all, instruments can be installed and removed in minutes without the need to disassemble the unit.

This versatile instrument platform can be provided with single or multiple instrument wells to support upward, downward, or upward and downward looking configurations.

Models with two instrument wells can be fitted with a single ADCP cable to an external battery case or with other instrumentation. Instrument wells can be covered by an LDPE acoustically transparent window, further reducing drag without compromising instrument performance. Like other DeepWater Buoyancy mooring products, the StableMoor® can be customized for acoustic modems and supplied with pockets for mooring location devices, CTDs, and other remote sensing equipment.

DeepWater® BUOYANCY

Rising to your undersea challenges®

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