

RUDDER BEARINGS



Tides Marine manufactures an extensive range of rudder bearings, rudder seals and rudder tubes for new build and retrofit applications, with Type Approval Certification from American Bureau of Shipping. Manufactured from UHMW Tides Marine rudder bearings and rudder seals offer superior quality, low maintenance and long service life, we have a product to suit most applications. Other materials are available for higher load applications please contact our team to discuss your requirements.

Key Benefits

- ABS- and Lloyd's-approved
- Self-aligning up to 10°
- No shimming required during installation
- Lightweight UHMW construction
- Eliminates metal-to-metal contact
- Resistant to abrasion, electrolysis and corrosion
- Self-lubricating and maintenance-free
- Smoother, quieter steering
- Designed to accommodate rudder download



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TIDESMARINE

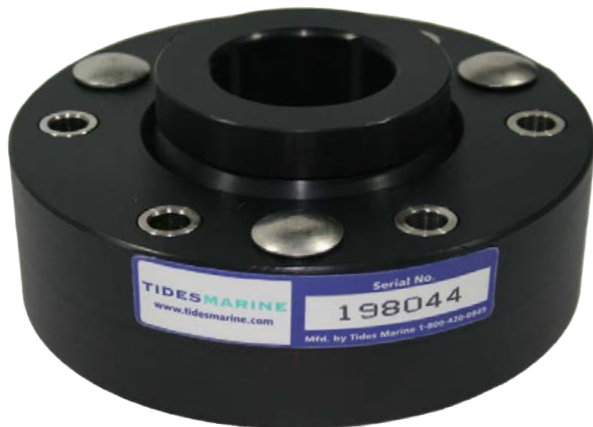
RUDDER BEARINGS

Engineered for Durability. Built to Perform.

Durable, watertight and abrasion-resistant bearing solutions designed to eliminate metal-to-metal contact—delivering exceptional reliability, reduced wear and long-lasting performance in the most demanding marine environments.

Tides Marine® Upper Rudder Bearing – Standard (URB-STD)
Precision Alignment. Reliable Performance.
Maintenance-Free Operation.

The Tides Marine® Upper Rudder Bearing – Standard (URB-STD) is engineered for direct installation on top of the rudder shelf, providing a reliable, lightweight and self-aligning solution for modern marine steering systems.



ABS- and Lloyd's-approved, the URB-STD accommodates up to 10° of off-axis alignment between the rudder shelf and rudder stock. This self-aligning design eliminates the need for shimming during installation and helps prevent unwanted loading of the rudder shaft during vessel operation.

Lightweight, Durable Construction

Considerably lighter than conventional bronze bearing assemblies, the URB-STD incorporates a UHMW ball-type bearing captured within a UHMW housing. The bearing features an integral upper shoulder designed to accommodate a rudder collar, allowing the assembly to effectively support rudder download during operation.



Designed to Eliminate Metal-to-Metal Contact

The Tides Marine design eliminates metal-to-metal contact, helping to prevent the abrasion, electrolysis and corrosion commonly associated with conventional metallic bearing systems. The result is a self-lubricating, maintenance-free bearing that delivers smoother and quieter steering performance while reducing the need for routine maintenance.

Complete, Pre-Assembled System

The Rudder Tube System is supplied fully assembled and ready for installation, incorporating:

- FRP rudder tube
- UHMW upper and lower rudder bearings
- Two upper lip seals
- UHMW thrust washer
- Supplied installation tooling for accurate positioning.



Explore Our Complete Rudder Bearing Range

For full details of our complete range of Tides Marine Rudder Bearings, including product specifications and available options, please visit our website:

www.tidesmarine.com

