

# High Performance Bearings for Large Yachts



## OVER 25 YEARS EXPERIENCE INSTALLING BEARINGS ON YACHTS

With over 25 years experience selling bearings to the yacht market, Thordon Bearings and your local Thordon distributor know how to improve your boating experience with high performance propeller shaft bearings, rudder bearings and deck equipment bushings. Utilizing proprietary polymers, non-metallic Thordon bearings deliver smooth, reliable and quiet operation required for today's modern yachts.

### THORDON PROPELLER SHAFT BEARINGS

Thordon offers different propeller shaft bearing grades for different yacht operating profiles.



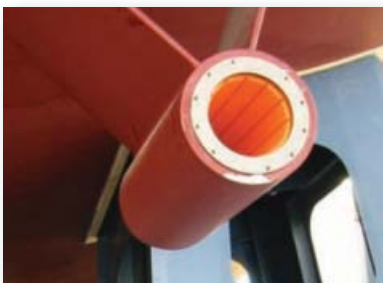
COMPAC: Thordon's premium and lowest friction bearing for blue water application



SXL: Low friction bearing for yachts operating up to 20% of the time in abrasive water

Consider these propeller shaft bearing performance benefits:

- **Smooth, quiet operation at all speeds**
- **No high frequency squeal common with rubber bearings at low shaft RPM's like trolling speeds**
- **Lubricants in the polymer formulation reduce start up friction**
- **Long wear life reduces maintenance costs**
- **Absorb more misalignment and deflection from impact than other materials**
- **Available in a wide variety of sizes to suit various size housings or shafts**



Thordon COMPAC Starboard Strut Bearing Installed on Mega Yacht





## THORDON SXL RUDDER BEARINGS

Thordon SXL self-lubricating rudder bearings offer total freedom from grease for all rudder bearing applications above and below the waterline.

Consider these rudder bearing performance benefits:

- Grease is not required eliminating the need for maintenance
- Ability to withstand shock loading and vibration
- Proven long bearing wear life
- High abrasion resistance



## THORDON DECK EQUIPMENT BUSHINGS

Thordon deck equipment bushings are designed to withstand radial loads as high as bronze in relatively non-abrasive dry or wet applications. An ideal replacement for bronze and other non-metallic bearings in deck equipment applications, ThorPlas-Blue is available in a range of sizes and is easily machined to the dimensions required for fairleads, capstans, davits, gantrys, pivot bushings, cranes, chain hoists, door and ramp hinge bearings and steering gear ram and linkage pins.



ThorPlas-Blue bearings, a proprietary engineered thermoplastic with maximum dynamic working pressure to 6527 psi (45 MPa).



Consider these deck equipment bearing performance benefits:

- Self lubricating in wet or dry application; Grease is not required eliminating the need for maintenance
- Low friction and smooth operation
- Long bearing wear life in non-abrasive environments
- Easily back fit into virtually all applications where greased bronze is currently installed



**Ask Your Repair Yard or Propeller Shop for Thordon!**

# CUSTOMER FOCUSED TO SUPPORT YOUR IMMEDIATE AND FUTURE NEEDS

**SUPPLY AND SERVICE:** Geared to provide quick response to customer needs, Thordon Bearings understands the importance of fast delivery and reduced down time. Thordon marine bearing systems can be designed, produced to the exact requirements of the customer and shipped quickly.

**APPLICATION ENGINEERING:** Thordon Bearing's engineers work closely with customers to provide innovative bearing system designs that meet or exceed the technical requirements of the application.

**DISTRIBUTION:** With Thordon bearings specified all around the world, an extensive distribution network has been established in over 100 countries. Inventories of common bearing sizes are stocked by local Thordon Distributors and are backed up by large regional and head office Thordon stocks.

**MANUFACTURING:** Thordon's modern polymer processing facility is staffed with experienced and dedicated employees. Bearings up to 2.2 m (86") in diameter have

been supplied and bearings up to 1.5 m (60") O.D. can be machined in-house.

**QUALITY:** Thordon Bearings Inc. is a Canadian company manufacturing to ISO 9001:2008 Quality System requirements. With over 35 years experience in elastomeric bearing design, application engineering and manufacturing, Thordon marine bearing systems are recognized worldwide for both quality and performance.

**RESEARCH AND DEVELOPMENT:** Thordon bearings are being continuously tested by our Bearing Test Facility. The Facility evaluates new designs and applications before they are put into service. Ongoing testing not only allows for design refinements, but ensures quality and performance after installation. Our polymer laboratory evaluates new and modified polymers in a continuing quest to improve Thordon bearing performance and searches for new polymer bearing solutions.

Your local Thordon Distributor

**THORDON**  
THORDON BEARINGS INC.

ZERO POLLUTION | HIGH PERFORMANCE | BEARING & SEAL SYSTEMS

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