

# RiverTough®



## TAILSHAFT BEARINGS

**THORNDON**

ZERO POLLUTION | HIGH PERFORMANCE | BEARING SYSTEMS

# THORDON RIVERTOUGH TAILSHAFT BEARINGS

## **Save Money. Easy Installation. Longer Wear Life.**

You've got to be RiverTough to last in the dirty, abrasive waters that workboats, pushboats and tugs call home. Forget rubber, Thordon RiverTough tailshaft bearings make the grade.

It's a fact. Workboat operators save money and downtime with the longer wear life and reduced maintenance of Thordon RiverTough tailshaft bearings.

- Wear rates in muddy water are half that of rubber bearings - or less
- Increased resilience compared to rubber bearings offer easier alignment and less edge loading (aft bearing installation at 3:1 vs. 4:1 L/D ratio)
- Lubricants in the RiverTough polymer formulation reduce the friction levels of nearly-dry starts, significantly eliminating stick-slip and vibration when operating at lower shaft speeds
- Results from Mississippi River workboat operators show typical Thordon bearing wear rates of 0.003" to 0.004" (0.075 mm to 0.100 mm) in 6000 to 7000 hours of annual use

Installation is easy for both newbuilds and repairs. Thordon RiverTough bearings can be installed using different methods that suit almost all needs. You also won't have to wait. Our large inventory and excellent distributor network mean we can meet the fast delivery times required in the workboat industry.

## **Thordon Bearings – High Performance Solutions**

Thordon Bearings is the world's leading manufacturer of high performance, abrasion-resistant bearing systems. Our polymers offer the best combination of strength/stiffness and flexibility/elasticity.

We have more than 25 years experience working with workboats, pushboats and tugs operating in dirty, abrasive-laden water, especially in the Mississippi River system of the U.S.A.

Our customers are our best spokesmen...

# RiverTough®



Large In-stock Inventory Available

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### Grease-Free Rudder Systems

Thordon SXL is ideal in the lower and upper bearing positions and pintles, as well as the thrust washer position.

Use ThorPlas for the highly loaded bushings in the tiller arm and "jockeybar" linkages.

*The grease-free operation saves time and money and the risk of pollution.*



*"We chose Thordon RiverTough for this vessel because these bearings are known for long wear life in abrasive waters, they eliminated the aft sealing issues we had and come with no risk of pollution."*

*Dmitry Kravtsov, Technical Superintendent  
Fraser River Pile and Dredge GP Inc., Vancouver, Canada*

*"Thordon RiverTough bearings have shown excellent performance in our vessels where they have been installed. We are continuing to upgrade the rubber bearings in all our fleet to Thordon RiverTough. We have also been converting the majority of our fleet to ThorPlas tiller bearings."*

*Mark Dufriend, Maintenance Manager, Boats and Barges  
Blessey Marine Service, Inc., Louisiana, USA*

# CUSTOMER FOCUSED TO QUICKLY MEET YOUR NEEDS

## **Quick and Responsive Service**

It takes quality products to be globally successful in the water lubricated bearing industry. It also takes great service to keep customers coming back.

Thordon Bearings Inc. is geared to respond quickly to supply high performance bearing solutions. Thordon bearings **arrive quickly, fit right and last!**

## **Extensive Distribution Network**

Thordon Bearings has an extensive distribution network to supply our global customers. More than 70 distributors in 100 countries carry extensive inventories of Thordon's common bearing sizes which are backed by large regional and head office inventories. **Non-standard requests are met with responsive design, quick machining and speedy delivery.**

## **Application Engineering**

Thordon engineers work closely with customers to provide innovative bearing system designs and solutions. We **offer in-house design, CAD and the proprietary Thordon Bearing Sizing Calculation Program to help correctly size our bearings.**

Our decades of experience mean that we offer the right technical support during design, machining, installation and operation.

## **Manufacturing Quality**

Thordon Bearings Inc. is a family-owned company that operates a **state-of-the-art polymer processing plant and new product development facilities in Burlington, Ontario, Canada.**

We manufacture to ISO 9001:2008 Quality System requirements. Contact us for references of our installations.

## **High Performance Bearings; Industry-Leading Service**

Thordon Bearings is an industry leader in the design, manufacture, supply and installation of high performance, **pollution-free, bearings systems.**

**Your Authorized Thordon Distributor**

# THORDON

**Thordon Bearings Inc.**

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