



THORPLAS-BLUE BEARINGS FOR INDUSTRIAL APPLICATIONS

THORDON

ZERO POLLUTION | HIGH PERFORMANCE | BEARING & SEAL SYSTEMS

LIFE-TIME LUBRICATED GREASE & OIL FREE THORPLAS-BLUE BEARINGS

ThorPlas-Blue life-time lubricated bearings provide improved reliability to users by extending equipment operating life and increasing the Mean Time Between Failures (MTBF) across a wide spectrum of industrial applications.

Developed as a maintenance-free solution to replace greased bronze bearings, the proprietary engineered thermoplastic bearing is capable of dynamic operating pressures up to 45 MPa (6527 psi) and can easily be back fit into virtually all applications where greased bronze is currently installed. Higher pressures may be possible with Thordon Engineering review.

ThorPlas-Blue grease-free bearings help reduce maintenance costs and noise levels, have equal or better operating performance over metal bearings, and are available in rod and sheet forms. ThorPlas-Blue not only has a lower density and thus less weight in comparison to metal bearings but it also is self-lubricating which means no grease or oil while eliminating bearing corrosion concerns. A stainless steel or non-corrosive mating surface should be used with ThorPlas-Blue.

ThorPlas-Blue delivers superior performance in all industrial applications:

- Does not require oil or grease/greasing systems to ensure smooth operation
- Life-time lubricated – lubricants in the homogeneous polymer ensure a low, stable coefficient of friction, even as the bearing wears
- Long bearing wear life with no maintenance required
- Good chemical resistance
- Low thermal expansion and water absorption
- Easily and safely machined
- Installation is quick and easy



ThorPlas-Blue bearings perform well in the following conditions:

- Corrosive
- High impact load
- High humidity
- Infrequent maintenance periods

EXTEND THE OPERATING LIFE WITH NO MAINTENANCE THORPLAS-BLUE BEARINGS



Vertical Pump Bearings

ThorPlas-Blue pump bearings have been used in a wide range of industries including nuclear, thermal and hydro-electric power plants, pulp and paper mills, sewage and waste water treatment plants, steel mills, oil and chemical refineries, and shipyards.



Lock and Dam - gate bearings

ThorPlas-Blue bearings can be installed as a full-form product and will operate smoothly without grease lubrication.



Agriculture Equipment & Industrial Vehicles - pivot points

Replacing hinge point bearings with ThorPlas-Blue eliminates greasing and reduces wear.



Conveyor Systems

ThorPlas-Blue eliminates the need for greased bearings and will increase MTBF reducing maintenance costs.



Material Handling

ThorPlas-Blue bearings replace bronze bearings improving operation and reducing operating costs.



Food Handling/Processing

ThorPlas-Blue bearings can withstand high temperatures and eliminate grease contamination and cleaning solutions.



Mining - pivot points

ThorPlas-Blue installs easily to replace bearings in crushers and feeders, material handling equipment, mine car rocker arms and skip pivots.



Self-Aligning Bearing - hydraulic systems

ThorPlas-Blue Self-Aligning Bearings (SAB) operate without binding and reduces piston and cylinder damage.



Robotics Equipment

Used to replace highly loaded greased bearings, ThorPlas-Blue offers grease-free operation, saving time and money.



Pulp & Paper

ThorPlas-Blue bearings are corrosion resistant and can be used to replace doctor bushings, mixer bushings and roller chain bushings.

CUSTOMER FOCUSED TO QUICKLY MEET YOUR NEEDS

Quick and Responsive Service

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

Thordon Bearings Inc. is geared to respond quickly to new and existing application requests. Our bearings arrive quickly, fit right and last!

Extensive Distribution Network

Thordon Bearings has an extensive distribution network with more than 85 distributors in 100 countries who 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 the design, machining, installation and operation stages of each project.

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 Products; Industry-Leading Service

Thordon Bearings designs and manufactures a complete range of polymer bearing products for industrial markets. Thordon's strong and recognizable global brand is known for high quality and superior performance, eliminating oil and grease from bearing applications in industrial markets as well as vertical pumps, hydro-turbines and shipyards.

Your Authorized Thordon Distributor

THORDON

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