



HYDROPLAS GREASE-FREE BEARINGS FOR WICKET GATES, OPERATING MECHANISM AND LINKAGES

THORNDON

ZERO POLLUTION | HIGH PERFORMANCE | BEARING & SEAL SYSTEMS

INNOVATIVE SOLUTIONS FOR HYDRO-TURBINE REHABILITATION AND NEW PROJECTS

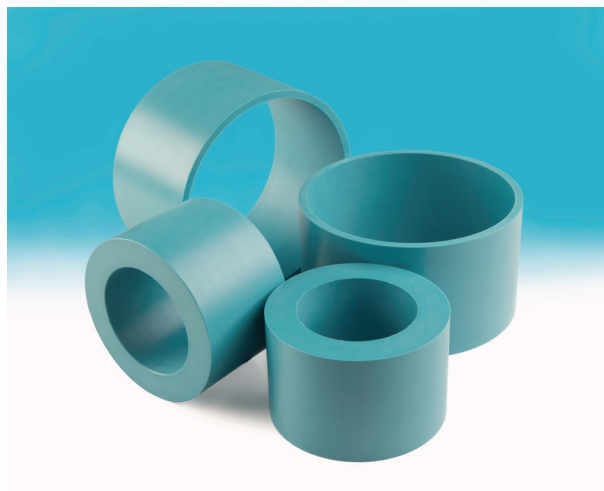
Thordon Bearings is a pioneer in producing high performance, long lasting bearing system designs that require no oil or grease.

HydroPlas is a self-lubricating bearing designed to operate at a maximum working pressure of 31 MPa (4500 psi). HydroPlas bearings do not require grease or oil lubrication and can operate in dry or wet conditions.

- Excellent wear performance, with minimal to no wear for the polymer and mating material, especially in non-abrasive environments
- Lower maintenance costs mean lower life-cycle costs
- Stable coefficient of friction means predictable and consistent servo pressures
- Self-lubricated bearings eliminate pollution risk and allow removal of complicated greasing systems
- Eliminating grease from the head cover area improves operator safety by removing slip hazards
- Superior customer service means quick delivery and less downtime

Thousands of customers across the world, in both rehabilitation and new turbine projects, know Thordon bearings is the proven choice for performance and value. **Thordon bearings last.**

High Performance Bearing Solutions with No Oil or Grease.



WICKET GATE, OPERATING MECHANISM AND LINKAGE BEARINGS

HydroPlas bearings operate wet or dry and eliminate the cost, maintenance and pollution risk associated with greased bearings.

- Self-lubricating to ensure consistent low friction performance, even in limited-motion applications
- No risk of galling from edge loading caused by minor misalignments or gate deflections
- Can be machined on site to accommodate dimensional inconsistencies and avoid replacement parts
- HydroPlas is a homogeneous material, so can be used to produce bushings incorporating thrust collars or flanges without compromising mechanical strength or friction characteristics
- Custom delivery to meet demanding rehabilitation schedules



Corporate Overview

Thordon Bearings Inc. is a family-owned company that operates a state-of-the-art polymer processing plant as well as in-house design, CAD and R&D facilities in Burlington, Ontario, Canada.

Thordon also manufactures turbine main shaft guide bearings, segmented turbine shaft seals as well as many other additional products for hydro-turbines.

We also operate a joint venture with OJSC Power Machines – Russia's largest hydro-turbine manufacturer and the fourth-largest in the world - to supply Thordon bearings to domestic and foreign markets.

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

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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