



Carlson - Dimond & Wright, Inc.
Water and Waste Water treatment plant solutions.

THORDON BEARINGS

A bearing material that runs wet or dry, is self-lubricating, rejects abrasives, sludge, grit, and dirt, and can be machined into any housing. It has a wear rate unequaled by any material, and is miles ahead of UHMW, Bronze, Brass, and other plastics or Phenolics. Carlson - Dimond & Wright, Inc. can machine and install THORDON into most any housing.

THORDON runs UP TO 200 RPM dry; 4,000-5,000 RPM in a water bath. It has been a staple in the cruise ship industry, running up to 15 years at 4,000-5,000 RPM supporting 24" propeller shafts. The US Navy is now commissioning THORDON for use in its Nuclear Submarines.

Below are ideal THORDON solution applications:

- Rectangular Clarifier tank bearings, any configuration
- Archimedean Screw Pumps
- Belt Press Pillow Blocks
- RBC Pillow blocks
- Screw Conveyor bearings in any housing, existing or custom
- Filter screen bearings
- Lateral in-tank sludge transfer systems
- Circular Clarifier rotary bearings

GRIT TANK SOLUTIONS

Our staff will fabricate or refurbish any Grit tank, including incorporating a THORDON bearing, which can be located inside the tank, as it needs no lube. The screw shaft rides in the inner bearing and only an access hatch is visible on the outer wall of the tank. No more Babbitt, excessive wear, lubrication, or greasy mess.

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COUPLING SOLUTIONS

CDW's Samiflex no-maintenance coupling is re-writing the book on coupling applications. It is ideal for drive applications, centrifugal pumps, etc. We have a large base of successful installations for this product.

- Lube free
- One never needs to buy a complete coupling again, as there is no metal-to-metal contact in the event of a failure, so the hubs remain intact. Only the insert needs to be replaced.
- Tolerates extreme misalignment
- Neither the driven components nor coupling hubs ever have to be moved to change an insert, which equates to money saved in both downtime and hourly personnel costs.

DRIVE SYSTEM AND VFD SOLUTIONS

The Nord SK200E is a VFD that can be ordered to your specific need, with features you need, and without features you don't need, reducing cost. It is a very affordable, quiet, efficient drive system, with a reverse option for back flushing pumps.

This component is compatible with SKADA solutions and most other common Software Systems. It has multiple control options, and can be programmed from Ethernet, from a base computer, with a handheld parameter box, or from a panel right on the unit.

For ordering or more information, contact Carlson - Dimond & Wright, Inc.

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