

NTN's Bower® Type E Bearing Unit Gets Drying Kiln Back on 24/7 Schedule

A leading manufacturer and supplier of high-quality sorbent products was experiencing production-altering bearing failures on its drying kiln. The bearings being used were failing *six times per year* and causing a significant impact on the production schedule because the kiln had to be run 24 hours per day.

NTN's engineering and sales support team ran a comprehensive diagnosis of the drying kiln and discovered that the competitor's bearings were only lasting *60-90 days* due to an inability to handle shaft misalignment caused by uneven bearing pedestals.

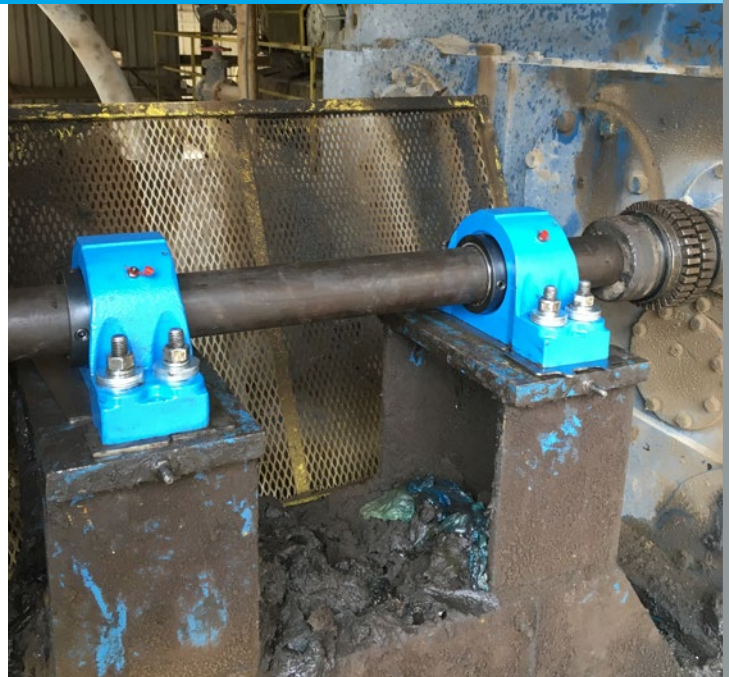
The NTN Solution

The NTN team identified our Bower Type E bearing units as the perfect solution for this application. Bower Type E bearing units are capable of handling +/- 2° of misalignment, which could easily accommodate the mounting issues caused by the bearing pedestals.

The Result

To date, NTN's Bower Type E bearing units have *performed flawlessly!* The Bower Type E bearing units continue to operate without issue a full 18+ months after installation with only normal grease maintenance required.

The reduction in maintenance and acquisition costs resulted in \$3,766 in savings in the first year alone. The customer has been so pleased with NTN's Bower Type E bearing units that they plan to convert all other Type E applications to Bower Type E units.



VALUE ADDED BREAKDOWN

UPTIME IMPROVEMENT

\$157,500

REDUCED ACQUISITION COST

\$2,800

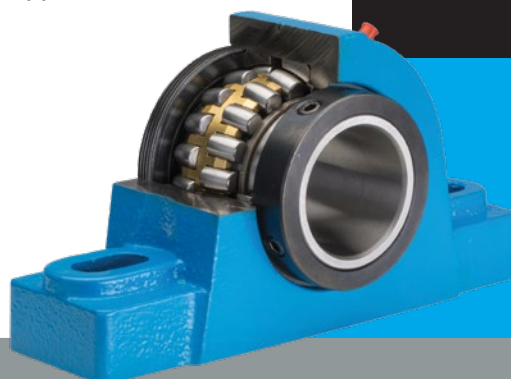
MAINTENANCE REDUCTION

\$966

DOCUMENTED COST SAVINGS

\$161,266

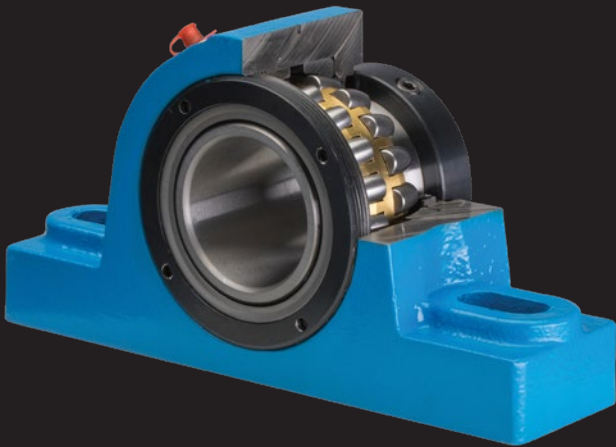
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ANNUALIZED
COST SAVINGS
\$161,266

BOWER TYPE E BEARING UNITS

- One-piece, sturdy cast iron housing to withstand demanding applications
- Threaded housing covers keep bearing clearance set and provide great seal support
- Self-aligning, double-row spherical roller bearing allows for easy alignment and can handle +/- 2° of misalignment
- Set screw locking collar secures the inner ring to the shaft
- Machined brass retainer with offset pockets results in cage stiffness for high vibratory applications
- Elongated mounting slots for versatile mounting configurations
- Double-lip seal molded onto a metal shield provides superior sealing performance in extreme environments
- Extended inner ring improves stability



We'll bring our 'A' game.

We're here to help you achieve your productivity and performance goals. For more information, contact your NTN Sales Representative or call **1-888-412-4122**. For technical questions, email techsupport@ntn.ca.

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Beyond Bearings

Training. Installation Support.
Trouble-shooting. And more.

When you choose NTN, your team is equipped with all the necessary tools and resources to get the job done right. From installation to problem-solving, we'll be there with the hands-on support you need to take on your toughest challenges. This includes extra services such as:



Technical Training Unit

On-site, mobile training unit offering specialized, hands-on instruction from NTN's technical team and always customized to your needs



Maintenance Training School

An intensive three day course on the design, application and maintenance of anti-friction bearings with hands-on workshops



eKnowledge

WEB-BASED TRAINING PROGRAM

Six online product training modules covering different bearing types and nomenclature (www.ntnamericas.com/eknowledge)



NTN Bearing Finder

Customizable search tool featuring exhaustive data sets, comprehensive part interchanges and interactive CAD drawings (www.bearingfinder.ntnamericas.com)

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