

NTN's Bower® Type E Bearing Unit Quadruples Uptime on Drying Kiln

A producer of utility poles, foundation pilings, and marine pilings was experiencing annual bearing failures on the dry kiln fans. The yearly shutdown of the kiln to replace the failed bearings was costing the mill \$38,000 per year in bearing costs, maintenance, and downtime.

NTN's engineering and sales support team ran a comprehensive diagnosis of the mill's dry kiln and determined that the competitor's bearings were seizing after approximately 12 months due to grease degradation. Dry kiln fans are exposed to environmental conditions that can cause the bearing seals to wear, thus allowing contamination into the bearing and permitting grease leakage.

The NTN Solution

NTN's team recommended making the switch to our Bower Type E mounted bearing units. The Bower Type E bearing unit utilizes a double-lip seal that is molded onto a metal guard to provide superior sealing performance in extreme environments such as the dry kiln.

The Result

The NTN solution lasted four times longer! The Bower Type E bearing unit successfully ran for four years compared to the competitor's bearing that had failed every year. The increased uptime, decrease in annual maintenance, and the reduced acquisition cost resulted in \$28,584 in annual cost savings for the customer.



VALUE ADDED BREAKDOWN

IMPROVED UPTIME

\$16,200

REDUCED ACQUISITION COST

\$10,764

MAINTENANCE REDUCTION

\$1,620

DOCUMENTED COST SAVINGS

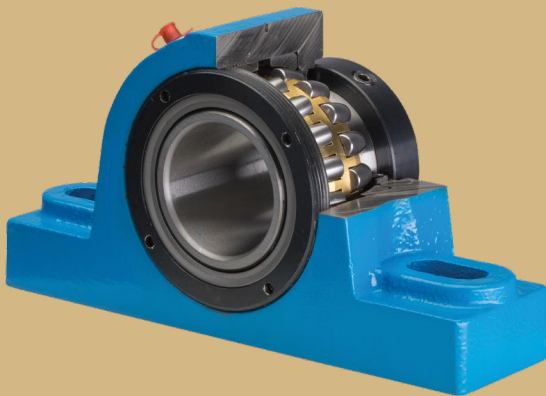
\$28,584

CS-2263



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



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We're here to help you achieve your productivity and performance goals. For more information, contact your NTN Sales Representative or call **1.800.323.2358**. For technical questions, email eng@ntnamerica.com.

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