



**Q: What are some of the typical industries and applications for the Bower® Type E Bearing Unit?**

**A:** Forestry, mines, quarries, metals, cement works, any sectors that make use of conveyors, material handling and heavy equipment that require a low base to center height heavy duty roller bearing unit. The Bower® Type E Bearing Unit is marketed via industrial distribution and to original equipment manufacturers.

**Q: What exactly is the Bower® Type E Bearing Unit?**

**A:** The Bower® Type E housing footprint is a direct drop-in interchange with other Type E pillow block unit dimensional standards. The one-piece housing incorporates a double-row spherical roller bearing with a machined brass cage and a two-piece outer ring which ultimately allows for an industry leading dynamic misalignment of +/- 2°. A double-lip contact seal made from nitrile rubber molded onto a metal guard for extra protection is supplied as standard. The inner ring affixes to the shaft using two setscrews on a single mounting collar and bore sizes larger than 4 7/16 inch use two mounting collars, one on each side of the inner ring. This style of locking device allows the unit to have a lower base to center height for the same shaft size when compared to split series SAF or SN housing styles. Fully assembled, pre-lubricated, and set with a C3 standard factory internal clearance, pillow blocks with common bore sizes 1 7/16, 1 15/16, 2 3/16, 2 7/16, 2 15/16, 3 7/16, 3 15/16, 4 15/16 inch are currently available.

**Q: What tests were carried out before the Bower® Type E Bearing Unit was launched in the market?**

**A:** Bower® Type E Bearing Units were tested in actual real-life Forestry, Mining, and various industry applications. The NTN Engineering and Service group worked with end users on specific problematic applications with bearings that were typically failing every 2 to 3 months. After 16 months of service, the Bower® Type E Bearings continued to work successfully, proving that the unit could contribute further to NTN's solutions oriented heavy duty offering. In one example, a leading manufacturer and supplier of high-quality sorbent products was experiencing production-altering bearing failures. In the first

year alone, a savings of \$157,500 was attributed to uptime, and further reductions in maintenance and acquisition costs of \$3,766 were realized amounting to a total annualized cost savings of \$161,266. The maintenance staff have 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.

**Q: Why has NTN introduced the Bower® Type E Bearing Unit?**

**A:** NTN has one of the most comprehensive premium quality housed bearing unit offerings which include our Green Line, ULTRA CLASS™, SENTINEL™, ULTAGE SPW, ULTAGE SAFD and SNC heavy duty series. NTN-Bower recognized the demand from industry for a low base to center heavy duty roller bearing unit along with increased misalignment capability and a requirement to expand NTN's bearing unit family, the result is the Bower® Type E Bearing Unit.

**Q: What is the Bower® Type E Bearing Unit part number designation?**

**A:** Bower® Type E Bearing Unit designations are very easy to understand. They are designated by **EPB** for Type **E** Pillow **B**lock followed by the number of bolts, 2 or 4, followed by the inch bore size in 16<sup>th</sup> of an inch.

Shaft Size inch	# of Bolts	Bower Type E Part #
1 7/16	2	EPB2-107
1 15/16	2	EPB2-115
2 3/16	2	EPB2-203
2 7/16	2	EPB2-207
2 7/16	4	EPB4-207
2 15/16	2	EPB2-215
2 15/16	4	EPB4-215
3 7/16	2	EPB2-307
3 7/16	4	EPB4-307
3 15/16	4	EPB4-315
4 7/16	4	EPB4-407
4 15/16	4	EPB4-415

# 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



## Product Training School

Three days of in-depth instruction offered exclusively to our distributor partners from the NTN Engineering and Service group



## 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 that can be completed on your own schedule ([www.ntnamericas.com/eknowledge](http://www.ntnamericas.com/eknowledge))



## Applications Engineering

Engineering technical support and expertise to provide solutions to your most challenging bearing applications



## NTN Bearing Finder

Customizable search tool featuring exhaustive data sheets, comprehensive part interchanges and interactive CAD drawings ([www.bearingfinder.ntnamericas.com](http://www.bearingfinder.ntnamericas.com))



Ready to get rolling? Contact us today for full details at  
1-888-412-4122 or [techsupport@ntn.ca](mailto:techsupport@ntn.ca)

# NTN<sup>®</sup>

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