



Think Motion | Think AEC

Gearbox Bearings



AEC Bearings for Gearbox Applications

Gearboxes are used for transmitting mechanical power in many industries and are the work horses of manufacturing. With the advancement in materials technology and tribology, along with the availability of constantly increasing computing power, gearbox manufacturers are able to produce gearboxes with much higher efficiencies and higher performance densities than ever before.

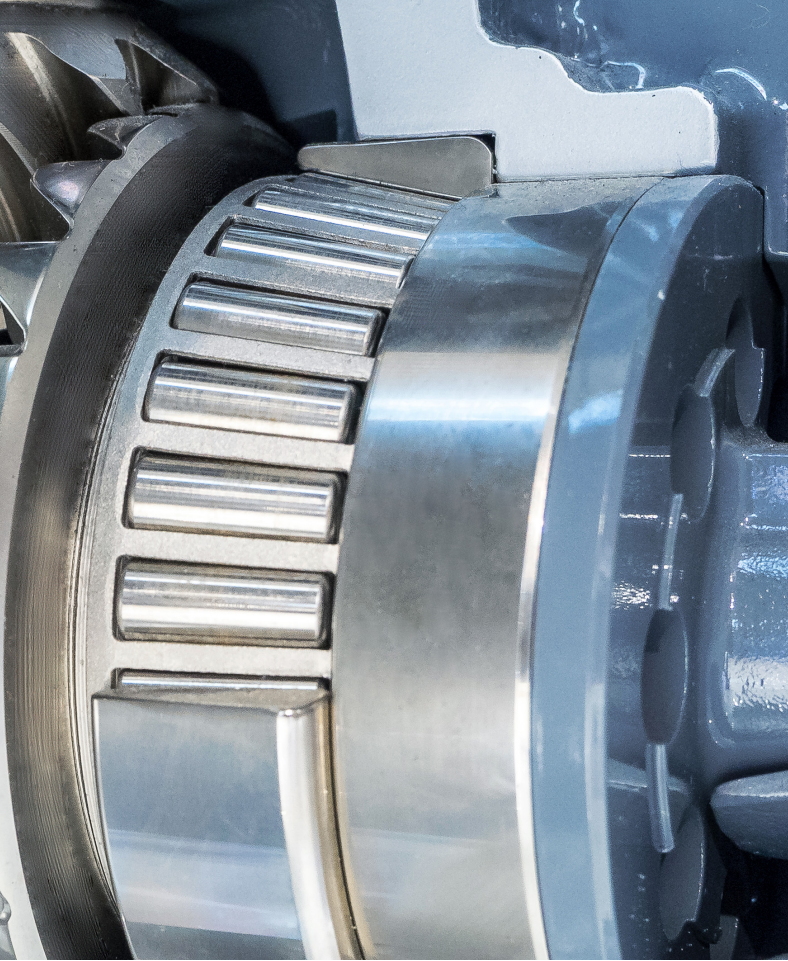
Naturally, the bearings that are used in gearboxes have to match or exceed in performance for this to happen. AEC manufactures bearings for the power transmission industry that can operate with very low friction, low noise, low vibration as well as very high reliability, and provide longer operating life.



Engineered for Performance & Reliability

A bearing's primary function is to reduce friction and transmit loads between rotating and stationary components. Additionally, they are used to support and locate shafts. When choosing the type of bearing for a given application, the shaft speed, load conditions, operating temperature, preferred lubricant and the space available to place the bearing should be considered.

AEC not only offers these multi-functional bearings, but understands the factors to be considered when selecting the correct bearings for the application. AEC bearings provides longer life while avoiding unnecessary downtime from premature bearing failures; thus increasing profitability.



AEC Advantage

- Synergistic development with customer
- Design & manufacturing for wide range of products
- Specially developed production & inspection techniques
- Highest quality, reliability, & traceability
- Short turn-around times

AEC Bearings offer

- high radial & axial load capacities
- low friction & noise
- high wear resistance
- high reliability & cost effectiveness

Planetary Applications

Standard and Custom

- Cylindrical Roller Bearings
- Needle Roller Bearings

Heavy Duty Applications

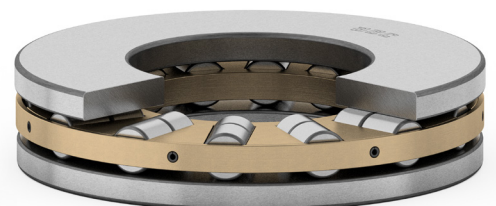
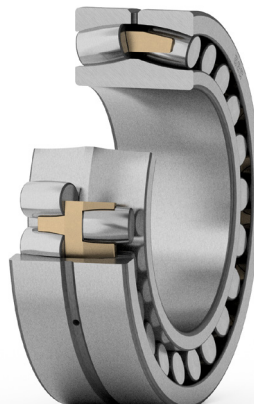
Standard and Custom

- Cylindrical Roller Bearings
- Spherical Roller Bearings
- Thrust Roller Bearings

High Precision Applications

Standard and Custom

- Cylindrical Roller Bearings
- Needle Roller Bearings
- Ball Bearings





AEC Bearings

Austin Engineering Company Limited, AEC, is the manufacturer of the widest range of rolling element bearings in a single plant in India without any domestic or foreign collaboration.

Founded by five technocrats in 1973, today AEC has grown into a public limited company manufacturing over 6000 size/types of high quality bearings and their components.

AEC has

- over 4 decades of manufacturing excellence and innovation
- ISO 16949, ISO 9001, ISO 14001, ISO 18001 certifications (TUV Rheinland)
- customer base across 4 continents
- wide range of standard and custom products spanning across various applications

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