

aec



Think Motion | Think AEC

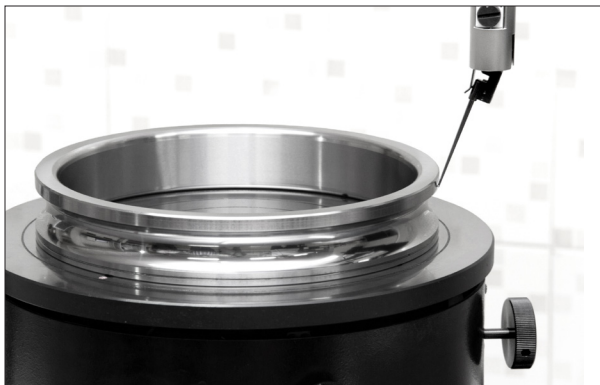
Machine Tool Bearings



AEC Bearings for Machine Tools

The machine tools industry has evolved from producing traditional metal cutting and forming tools to developing highly specialized and smart machining systems that incorporate several processes in a single machine. The advancement in technology has been accompanied by end users demanding high-productivity machines that can produce precision and superior quality at a minimum overall production cost.

The precision of any machine tool is greatly dependent on machine design, dynamics, metal cutting mechanics and precision of the bearings that support its motion. AEC manufactures wide range of spindle bearings as well as rotary table support bearings that are of the highest caliber in their class.



Engineered for Performance & Precision

One of the big challenges for the machine tool industry is to achieve the degree of sophistication, technological precision, manufacturing efficiency, and reliability in performance. Furthermore, the size and increasing complexity of components challenges machine tool manufacturers to develop platforms that balance machine speed and dynamics with rigidity and accuracy.

AEC works closely with machine tools manufacturers to develop products which give higher operating speeds, higher precision, improved performance, and better cost-effectiveness. Spindle bearings are flagship products of AEC that are manufactured using design and production technologies which assure high precision and superior quality.



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

- excellent dimensional & running accuracies
- optimized surface profiles
- very high operational speeds
- very low noise and friction

Spindle Applications

Standard and Custom

- Angular Contact Ball Bearings
- Cylindrical Roller Bearings



Rotary Table Applications

Standard and Custom

- Axial Radial Bearings
- Angular Contact Thrust 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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