

Self-Aligning Spherical Ball Bearing

These self-aligning ball bearings have two rows of balls and a common sphered raceway in the outer ring. They are suitable for applications where considerable shaft deflections or misalignment are expected.



Product Overview

Self-Aligning Ball Bearings

Self-aligning ball bearings consist of two rows of balls, a common sphered raceway in the outer ring, and two deep uninterrupted raceway grooves in the inner ring. These bearings are specifically engineered to be insensitive to angular misalignments of the shaft relative to the housing, making them ideal for applications prone to shaft deflections. Furthermore, they offer the lowest friction among all rolling bearings, ensuring cooler operation at high rotational speeds.

Design Features

Key Features

- Double-row design
- Common sphered outer raceway
- Deep inner raceway grooves
- Low-friction operation

Performance

Key Performance Indicators

1 Lowest

Friction Level

Technical Standards

Recommended Applications

High-speed applications, Shaft deflection environments, Misalignment scenarios