

Spherical Plain Bearing

Spherical bearings accommodate angular misalignment between the shaft and housing. They are designed for heavy radial loads and moderate thrust loads in both directions.



Overview

High-Performance Spherical Plain Bearing

Spherical plain bearings are precision-engineered components designed to accommodate angular misalignment between the shaft and housing. By utilizing a spherical raceway design, these bearings effectively handle heavy radial loads and moderate thrust loads in both directions. This self-aligning capability helps compensate for shaft deflection, significantly reducing operational stress and extending the overall service life of the machinery.

Technical Features

Design Characteristics

- Self-aligning geometry
- Inner ring construction
- Outer ring with spherical raceway
- Rolling element assembly

Load Handling

Heavy Radial Loads, Moderate Thrust Loads

Applications

Typical Industrial Applications

Agricultural Machinery • Construction Equipment • Industrial Gearboxes