

Deep Groove Ball Bearing

These bearings are simple in structure and popularly used in many applications. They offer high limiting speed and low noise.



Overview

Versatile Deep Groove Ball Bearings

Deep groove ball bearings are the most representative and widely used bearing type, designed for high-speed operation and versatile applications. They feature a single row of balls that provide optimal performance by accommodating both radial and axial loads in both directions. These precision-engineered components offer smooth rotation, reduced friction, and low noise, making them ideal for electric motors, pumps, and gearboxes.

Performance Highlights

Key Performance Features

1

High Limiting Speed

2

Low Vibration

3

Low Noise

Technical Design

Structural Characteristics

- Single row of balls
- Simple structure for easy maintenance
- Available with metal shields
- Available with rubber seals
- Pre-lubricated with grease
- Optional snap ring and flange on outer ring

Filling Slot Variant

Bearings with filling slots have the same dimensions as standard ones but offer a higher radial load carrying capacity.

Load Capacity

Load Handling

Radial Loads, Axial Loads (Bi-directional), High Speed Operation

Applications

Common Applications

Electric Motors • Pumps • Gearboxes • Industrial Machinery