

Deep Groove Ball Bearings

Deep groove ball bearings are designed to handle radial and axial loads in both directions. Their simple design ensures high speed capability and low maintenance.



Overview

Versatile Deep Groove Ball Bearings

Deep groove ball bearings are the most typical rolling bearings, characterized by their simple design, convenience in operation, and extensive applications. These non-separable bearings feature deep raceways in both rings, allowing them to carry radial loads and axial loads in both directions. With low friction and high rotational speed capabilities, they are ideal for applications requiring low noise and vibration.

Technical Specifications

Vibration Level Codes

V1 • V2 • V3

Available Seal Types

- Open Style
- Z
- ZZ
- RS
- 2RS
- 2RZ

Accuracy Levels

ABEC-1, ABEC-3, ABEC-4

Radial Play (Clearance)

C2, C0, C3, C4, C5

Product Models

Series Availability

Series	Model Range
600 series	607, 608, 609
6000 series	6000 - 6020
6200 series	6200 - 6220
6300 series	6300 - 6320
6400 series	6406, 6409

Applications

Primary Applications

- Automobiles
- Machine tools
- Motors
- Instruments
- Construction machines
- Railway vehicles
- Agricultural machines