

# Deep Groove Ball Bearings

These high-precision deep groove ball bearings are designed for a wide range of applications. The bearings can handle radial and axial loads in both directions due to the deep, uninterrupted raceway grooves.



## Product Overview

### High-Precision Deep Groove Ball Bearings

These high-quality deep groove ball bearings are engineered for reliability and efficient performance across diverse industrial sectors. Manufactured from premium GCR15/AISI52100 steel, they feature uninterrupted raceway grooves to support both radial and axial loads. Designed for smooth, high-speed operation, these bearings meet ISO 9001-2000 quality standards and are suitable for demanding applications including motors, power tools, and industrial pumps.

## Technical Specifications

### Packaging Type

- Tube
- Box

Material	GCR15, AISI52100, 100GRC
Precision Grade	ABEC-1, ABEC-3, ABEC-5
Clearance Options	C0, C2, C3, C4
Noise Grade	Z2V2, Z3V3, Z4V4

## Series and Availability

### Available Series Configuration

Series	Size Range	Configuration Options
6000	6000-6012	OPEN, ZZ, 2RS, NR, UG
6200	6200-6212	OPEN, ZZ, 2RS, NR, UG
6300	6300-6312	OPEN, ZZ, 2RS, NR, UG
6800	6800-6810	OPEN, ZZ, 2RS, NR, UG
6900	6900-6910	OPEN, ZZ, 2RS, NR, UG

## Applications

### Common Industrial Uses

- Power Tools
- Motors
- Motorcycles
- Pumps
- Textile Machines
- Sport Equipment
- Office Equipment

## Quality Standards

### Quality Certification

ISO9001-2000