

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