

# Deep Groove Ball Bearing

Deep groove ball bearings are designed to handle radial and axial loads in both directions. Their deep grooves facilitate smooth and efficient ball movement, reducing friction and heat.



## Product Overview

### Versatile Industrial Performance

Deep groove ball bearings are essential components engineered for high-precision industrial applications, offering excellent durability and low-noise operation. With a design capable of handling both radial and axial loads, these bearings provide superior efficiency for electric motors, gearboxes, and heavy machinery. Available in a wide range of sizes and material compositions, they are built to meet rigorous global quality standards for long-term reliability.

## Technical Specifications

### Retainer Materials

- Cooper
- Nylon
- Bakelite
- Stainless Steel

<b>Bore Diameter Range</b>	1mm - 1800mm
<b>Precision Ratings</b>	P4, P5, P6, P0, ABEC7, ABEC5, ABEC3, ABEC1
<b>Primary Material</b>	Bearing Steel (GCr15, SiMn)

## Performance Features

### Operational Benefits

Low Noise • Long Life • High Precision

## Application Scope

### Industries Served

- Machine Tools
- Electrical Equipment
- Railways
- Automotive
- Construction Machinery

## Compliance & Quality

<b>Quality Standard</b>	ISO9000
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