

# Deep Groove Ball Bearing KOYO6305

This deep groove ball bearing is suitable for high speeds and accommodates radial and axial loads in both directions. The KOYO6305 bearing features precision-ground raceways and high-quality steel balls for smooth operation and extended service life.



## Overview

### High-Performance Deep Groove Ball Bearing

This deep groove ball bearing is engineered for high-speed applications, offering exceptional durability and reliability. Designed to accommodate both radial and axial loads in either direction, it requires minimal maintenance while ensuring smooth, quiet operation. Constructed from high-quality bearing steel, it is an ideal component for demanding industrial machinery, electric motors, and pumps.

## Technical Specifications

### Bore Diameter Range

**1 mm**

Min

**1800 mm**

Max

### Material Composition

- GCr15
- SiMn

### Retainer Materials

Copper • Nylon • Bakelite • Stainless Steel

### Precision Level

P4, P5, P6, P0, ABEC7, ABEC5, ABEC3, ABEC1

## Features & Applications

### Key Features

- Low noise operation
- Extended service life
- High precision engineering
- Versatile load accommodation

### Industry Applications

- Machine tools
- Electrical equipment
- Railways
- Automotive
- Construction machinery

## Quality & Compliance

### Quality Standards

ISO9000

## Logistics

### Packaging Method

Plastic bag + single box + carton + pallet