

# Deep Groove Radial Ball Bearing 6902

This single row deep groove ball bearing has boundary dimensions of 15 mm x 28 mm x 7mm. It is designed with deep, uninterrupted raceway grooves to optimize load capacity and enable higher speeds.



## Product Overview

### Deep Groove Radial Ball Bearing 6902

The 6902 deep groove radial ball bearing is engineered with deep groove geometry, optimized for high-speed operation while effectively supporting both radial and axial loads. Designed for precision and reliability, this bearing features a normal radial internal clearance suitable for standard applications without atypical thermal expansion requirements. Its versatile design allows for various sealing options to suit different environmental needs, ensuring consistent performance in rotating machinery.

## Technical Specifications

### Dimensions

**15 mm**

Inner Diameter

**28 mm**

Outer Diameter

**7 mm**

Width

### Performance Metrics

**17000 r/min**

Limiting Speed

**0.015 kg**

Weight

**Basic Load Rating** 2260 N – 4350 N

**Operating Temperature** -10°C to +110°C

## Features & Characteristics

### Performance Characteristics

Feature	Rating/Description
Torque	Low
Speed Capability	Good
Grease Sealing	Good
Dust Resistance	Lower than ZZ/DDU types

**Available Configurations** Open Type (6902), Shielded (ZZ), Shielded (VV), Shielded (DDU), Snap Ring Groove (6902N), Snap Ring (6902NR)