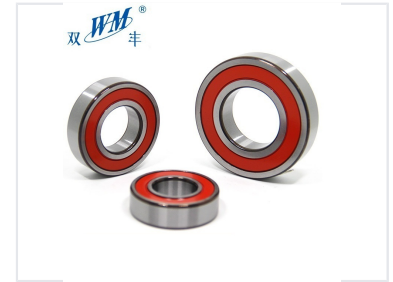


# Motor Ball Bearings 6011 6012 6013 6014 6015

These motor ball bearings are available in sizes 6011, 6012, 6013, 6014, and 6015. They feature options such as 2RS, ZZ, TN, and precision grades C0, C3, and C5.



## ADDITIONAL IMAGES



## Overview



Detailed view of the basic structure including outer ring, cage, balls, and inner ring components.

### High-Precision Deep Groove Ball Bearings

These deep groove ball bearings are engineered for high-performance electric motor and industrial applications, offering exceptional versatility and reliability. Featuring deep raceway grooves, they effectively sustain both radial and axial loads in both directions while maintaining low noise and vibration levels. Available in multiple configurations including rubber seals (2RS), metal shields (ZZ), and high-temperature polymer cages (TN), these bearings are designed to meet the rigorous demands of professional B2B sourcing.

## Technical Specifications

### Precision Quality Classes

P0 • P5 • P6 • ABEC-3 • ABEC-5

### Radial Internal Clearance

- C0 (Normal)
- C2
- C3 (Greater than normal)
- C5

### Available Models

6011, 6012, 6013, 6014, 6015, 6201-6218, 6301-6317, 6905-6909

### Ring & Roller Material

Chrome Steel / Gcr15

### Vibration & Noise Ratings

Z1, Z2, Z3, Z4, V1, V2, V3, V4, EMQ (Electric Motor Quality)

## Design & Protection

### Shielding & Sealing Options

- OPEN (Unshielded)
- ZZ / 2Z / Z (Metal Shielded)
- 2RS / RS (Rubber Sealed)
- RZ / 2RZ (Low-friction Seal)

### Seal Material Properties

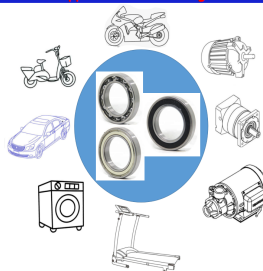
Material Type	Temp Range	Key Feature
Nitrile Rubber (NBR)	-40 to +120°C	High erosion & oil resistance
Silastic (VMQ)	-70 to +200°C	High temperature & ozone resistance
Fluoro Rubber (FKM)	-28 to +200°C	Extreme heat & chemical resistance
ACM Rubber	-18 to +175°C	Heat & oil corrosion resistance

### Cage Material Options

Stamping Steel Cage, TN (Polyamide/Nylon), Polymer Cage

## Applications

### Application of Bearings



Versatile applications across various industrial and motor-driven equipment.

### Common Use Cases

- Electric Motors
- Gearboxes
- Pumps
- Industrial Machinery
- Automotive Components

## Logistics & Services

### PRODUCTS INSPECTION



Rigorous inspection stages including friction, visual, and pre-delivery checks to ensure premium quality.

### Business & Logistics

**3000000 Sets**

Monthly Capacity

**20 Years**

Manufacturing Experience

**OEM Services**

Yes

**Accepted Payments**

T/T, L/C, Western Union, PayPal