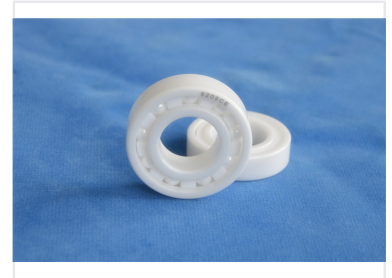


# Zirconia Deep Groove Ball Bearing

This deep groove ball bearing is made from zirconium dioxide (ZrO<sub>2</sub>) for excellent hardness and corrosion resistance. It is suitable for high-temperature applications and can be ordered with cages made from PTFE, PEEK, or 316 stainless steel.



## Product Overview

### Zirconia Deep Groove Ball Bearing (ZrO<sub>2</sub>)

These full ceramic ball bearings are crafted from high-performance zirconium dioxide (ZrO<sub>2</sub>), offering exceptional resistance to corrosion and chemical exposure. Designed for specialized environments, they are non-magnetic and non-conductive, making them ideal for high-vacuum, medical, and chemical processing applications. With options for full complement or various cage materials like PTFE, PEEK, or 316 stainless steel, these bearings provide versatile solutions for extreme temperature ranges.

## Technical Specifications

### Temperature Range

**400 °C**

Max Temp (Full Complement/316 SS Cage)

**250 °C**

Max Temp (PTFE/PEEK Cage)

**-70 °C**

Min Temp

### Material

Zirconium Dioxide (ZrO<sub>2</sub>)

### Standard Radial Clearance

C0

## Features & Options

### Sealing Options

Open • PTFE Seal • PEEK Seal • Flanged

### Key Properties

- Non-magnetic
- Non-conductive
- High corrosion resistance
- Extreme temperature capability

### Available Cage Materials

Full Complement (No Cage), PTFE, PEEK, 316 Stainless Steel