

# Zirconia Ceramic Deep Groove Ball Bearing with PTFE Seals

This ceramic deep groove ball bearing is constructed with Zirconium Oxide (ZrO<sub>2</sub>) inner and outer rings and balls, along with PTFE retainers and seals. It is suitable for demanding applications requiring precision, durability, and minimal maintenance.



## Overview

### High-Performance Ceramic Bearing

This deep groove ball bearing is engineered with Zirconium Dioxide (ZrO<sub>2</sub>) for exceptional hardness and high-temperature stability. Designed for demanding applications, it offers superior corrosion resistance and durability in harsh environments. The integrated PTFE seals provide excellent protection against contaminants while ensuring efficient lubrication retention for minimal maintenance.

## Technical Specifications

Material	Zirconium Dioxide (ZrO <sub>2</sub> )
Seal Type	PTFE (Polytetrafluoroethylene)
Bearing Type	Deep Groove Ball Bearing

## Performance Features

### Suitable Environments

- Corrosive environments
- High-speed operations
- Demanding industrial applications

### Key Benefits

Corrosion Resistant, High-Temperature Stable, High-Speed Capable, Low Maintenance