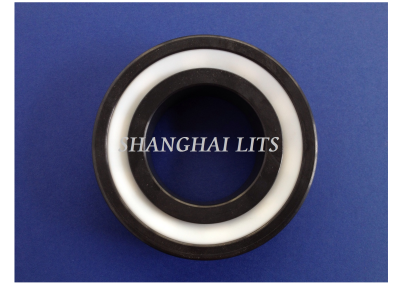


# Si3N4 Ceramic Deep Groove Ball Bearing with PTFE Seals

Ceramic deep groove ball bearings feature silicon nitride (Si3N4) inner and outer rings, Si3N4 balls, and PTFE retainers and seals. These bearings offer exceptional performance in harsh environments requiring high speed, precision, and minimal friction.



## Overview

### High-Performance Ceramic Bearings

These Si3N4 ceramic deep groove ball bearings are engineered for extreme environments where standard steel bearings fail. Featuring advanced silicon nitride construction, they offer superior hardness, exceptional wear resistance, and the ability to operate under extreme temperature fluctuations. Equipped with high-quality PTFE seals, these bearings effectively prevent lubricant leakage and contamination, ensuring reliable, high-speed, and low-friction performance.

## Technical Specifications

Material	Si3N4 (Silicon Nitride) Ceramic
Sealing	PTFE Seals

## Key Features

### Environmental Suitability

Extreme Temperatures • Harsh Environments

### Key Performance Attributes

High Hardness, Wear Resistant, Corrosion Resistant, Low Friction, High Speed