

Zirconia Ceramic Ball Bearing

This ball bearing features inner and outer rings made of zirconium oxide ceramic (ZrO₂). It utilizes a PTFE retainer and zirconium oxide ceramic balls for smooth operation.



Product Overview

High-Performance Zirconia Ceramic Bearings

These full ceramic ball bearings are engineered for superior performance in demanding industrial environments where standard steel bearings fail. Constructed entirely from advanced ceramic materials, they offer exceptional resistance to corrosion, magnetic interference, and high temperatures. Their unique properties make them an ideal solution for specialized machinery, chemical processing equipment, and high-speed applications requiring reliability and longevity.

Key Features

Material Benefits

Non-corrosive, Non-magnetic, Electrically insulating, High-temperature resistance

Technical Specifications

Material Composition

Zirconia Ceramic

Bearing Type

Full Ceramic Ball Bearing

Application Suitability

Typical Applications

- High-speed machinery
- Chemical processing equipment
- Harsh industrial environments
- Electrically sensitive equipment