Alumina Ceramic Plunger for High-Temperature Applications

This alumina ceramic plunger is designed for high-temperature environments. It offers high strength and wear resistance for demanding applications.

ADDITIONAL IMAGES

Product Overview

High-Performance Alumina Ceramic Plunger

Engineered for demanding industrial environments, these high-purity alumina ceramic plungers offer exceptional thermal stability, wear resistance, and chemical inertness. Featuring a unique micro-porous surface structure that provides self-lubricating properties, these components significantly reduce friction compared to traditional metal pumps. Designed with precision tolerances and a mirror-finish surface, they are ideal for critical applications in medical equipment, petroleum, and chemical processing where reliability and longevity are paramount.

Material & Physical Properties

Material Composition	99% Alumina Ceramic
Density	3.9 g/cm3

Precision & Tolerances

Outer Diameter (OD) Tolerance	0.002 mm
Inner Diameter (ID) Tolerance	0.01 mm

Key Features

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- High hardness and wear resistance
- High-temperature resistance
- Corrosion and alkali resistance
- Self-lubricating micro-porous surface
- Mirror-finish surface for easy cleaning
- No dead angle fluid structure

Applications

Common Applications	Medical Equipment, Environmental Engineering, Petroleum Industry, Chemical Industry, High-Pressure Pumps

Certifications & Standards

Compliance

ISO 9001 • RoHS

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