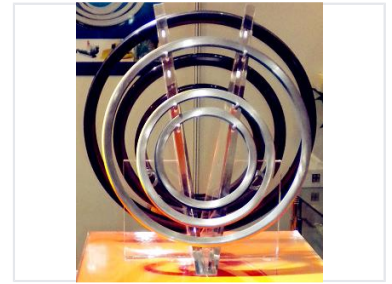
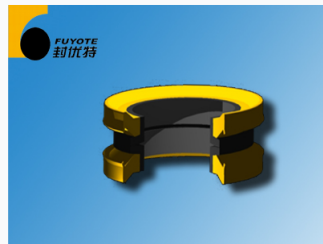


Heavy Machinery Mechanical Seal

This mechanical seal is designed for heavy machinery applications. It provides a reliable sealing solution, preventing leaks and ensuring optimal equipment performance.



ADDITIONAL IMAGES



Overview

Heavy-Duty Mechanical Face Seals

These mechanical face seals are engineered for extreme operating conditions, providing a robust barrier against dirt, dust, water, and abrasive media while retaining oil and grease. Designed for longevity and reliability, they feature a self-centering mechanism to compensate for shaft misalignment. Ideal for heavy-duty industrial and construction machinery, these seals are maintenance-free and built to withstand severe wear.

Technical Specifications

Key Performance Metrics

4000 hours

Service Life

3 m/s

Max Peripheral Speed

Diameter Range

35mm to 1425mm

Seal Types

Type DO (O-Ring), Type DF (Diamond-shaped elastomer)

Material Properties

Metal Seal Ring Data

Property	Specification
Material	High-alloy, Corrosion-Resistant Cast Iron
Hardness	HRC 65-72
Corrosion Resistance	High
Scoring Resistance	High

O-Ring Specifications

Property	Value
Material	NBR
Hardness	60-65 Shore A
Temperature Range	-20 °C to +100 °C

Applications

Suitable Applications

- Tracked vehicles (excavators, bulldozers)
- Conveyor systems
- Heavy trucks
- Axles
- Tunnel boring machines
- Agriculture machines
- Mining machines
- Gearboxes, mixers, and stirrers
- Wind-driven power stations

Advantages

Key Advantages

Simple, reliable design • High sealing effect • Cost-effective • Long service life • Self-centering • Maintenance-free • Easy to assemble