Cement Ball Mill with Antifriction Bearing

This ball mill is designed for grinding materials into fine particles, an essential step in cement production. It features antifriction bearings, which can save 10%-20% of energy compared to traditional bearing bush sliding bearings.

ADDITIONAL IMAGES

Product Overview

A robust cement ball mill featuring a large cylindrical body and reinforced support structures, designed for heavy-duty industrial grinding.

Industrial Cement Ball Mill

This industrial-grade ball mill is designed for efficient ore beneficiation and cement production, capable of grinding raw materials into fine particles for subsequent processing. It offers versatile configurations, including wet or dry grinding methods and overflow or grid discharge options to suit specific operational needs. Engineered for reliability, the system features advanced bearing technology and customizable lubrication methods to ensure consistent performance in demanding environments.

Technical Specifications

Motor Compatibility

Power Rating	Motor Type
Below 400 kW	Squirrel-cage or Slip-ring asynchronous
Above 400 kW	High-pressure asynchronous or TDMK series synchronous

Feeder Machine Options

- Drum type feeder
- Compound type feeder

Lubrication Methods	Grease lubrication, Oil bath lubrication, Fog lubrication, Manual bearing lubrication, Power-driven grease pump

Performance Features

Energy Efficiency Metrics

20 %	20 %
Energy Savings (B-Series Lining)	Energy Savings (Antifriction Bearing)

Design Adaptations by Size

- Diameter < 1500mm: Unitary and enlarged base
- Diameter < 3200mm: Antifriction bearing adoption
- Diameter > 2700mm: Low-speed transmission gear for maintenance

Operating Modes

Wet Ball Mill • Dry Ball Mill • Overflow Discharge • Grid Discharge