

Cone Ball Mill for Mineral Processing

The cone ball mill, also known as an energy-saving ball mill, is utilized in mineral dressing processes. Its integrated body and chassis simplify installation, while double row self-aligning roller bearings reduce energy consumption and improve processing capacity.



ADDITIONAL IMAGES



Overview

High-Efficiency Cone Ball Mill

The Cone Ball Mill is a specialized grinding solution designed for mineral dressing processes. Featuring an integrated body and chassis design, this mill allows for streamlined installation on a basic plane. Its advanced design utilizes double row self-aligning roller bearings, which significantly reduces energy consumption by up to 30% while simultaneously improving fine grit output and processing capacity by 15-20%.

Key Features

Operational Capabilities

- Flexible installation: Can be mounted horizontally, vertically, or slantingly
- High performance: Large starting torque and vibration
- Reliability: Steady and dependable operation
- Energy-efficient: Optimized bearing design for reduced power consumption

Technical Specifications

Performance Metrics

0.65 t/h

Min Capacity

615 t/h

Max Capacity

5.5 t

Min Weight

525 t

Max Weight

Technical Data Sheet

Model	Rotation Speed (r/min)	Ball Load (t)	Motor Power (kw)
900x1800	36	1.5	18.5
1200x2400	36	3	30
1500x3000	29.7	7.5	75
1830x4500	25.4	15	155
2100x4500	23.7	24	245
2400x4500	21	30	320
3600x8500	18	131	1800
5500x8500	13.8	338	4500

Operating Parameters

Process Limits

- Feeding Size: d20 - d25 mm
- Discharging Size: 0.074 - 0.4 mm