

Gyratory Rock Crusher

This gyratory crusher is engineered for safe, stable, and durable operation, featuring good sealing property and minimal dust pollution. It efficiently crushes various materials with over medium hardness, boasting a simple structure and convenient maintenance.



ADDITIONAL IMAGES



Product Overview



A heavy-duty gyratory crusher designed for primary crushing of hard and abrasive ores.

High-Capacity Primary Crushing Solution

The Gyratory Rock Crusher is a heavy-duty primary crushing machine designed for high-capacity reduction of hard and abrasive materials. Its robust construction and unique gyratory motion allow it to handle large feed sizes with greater efficiency than standard jaw crushers. This equipment is ideal for large-scale mining and aggregate operations requiring a stable, durable, and low-dust crushing solution.

Key Benefits

High Output, Stable Operation, Low Dust Pollution, Durable Construction, Easy Maintenance

Technical Design

Compression Crushing Mechanism

The crusher utilizes a crushing cone formed by a movable and fixed cone. An electric motor drives an eccentric sleeve via belt pulleys and cone gears, causing the movable cone to rotate around the center line. This motion creates a cycle of squeezing and bending forces that crush the ore, which then discharges from the bottom via gravity.

Core Components

- Driving part and engine base
- Eccentric sleeve
- Crushing cone and middle bracket
- Beam and oil cylinder
- Hydraulic and electrical parts
- Dry and thin oil lubrication system

Performance & Application

Crushing Stage

Large Coarse Crushing • Primary Crushing

Operational Features

- Adjustable discharging mouth for versatile material processing
- High utilization rate
- Excellent sealing properties to minimize dust
- Simple structure for convenient application

Material Suitability

Suitable for various materials with over medium hardness

Discharge Adjustment

Yes