

GRINDING

High-efficiency Autogenous Mill

Principle

The main component is a cylinder with diameter and length at a reasonable proportion. Driven by the transmission device, the cylinder rotates with the materials fed from the center sleeve at one end of the cylinder and crushed by the falling impacts and autogenous grinding of the ores in the cylinder. Qualified materials flow from center sleeve at the other end of the cylinder through the grid plate by the overflow water.

Features

Low power consumption, no dust pollution, less auxiliary equipment, easy production automation, and stable particle size.

High-efficiency autogenous mill can realize the second and third stage crushing and screening, and part or all crushing and grinding of rod mill or ball mill.

High-efficiency autogenous mill can process coarse ores with intermediate crushing and fine crushing saved, high crushing ratio, which can reach 3000-4000 (feed size 300-400 mm, outlet size below 0.1 mm).

Application

Generally used in the coarse grinding after coarse crushing.

Technical Parameters

Model	Diameter (mm)	Length (mm)	Feed Size (mm)	Main Motor			
				Model	Power (kW)	Voltage (V)	Weight (t)
ZMJ4014	4000	1400	< 350	JR148-8	245	10000	75
ZMJ4018	4000	1800	< 350	JR1410-8	320	10000	82
ZMJ5518	5500	1800	< 400	TDMK800-36	800	10000	175
ZMJ6522	6500	2200	< 400	TDMK1600-40	1600	10000	280
ZMJ7525	7500	2500	< 400	TM2500-16	2500	10000	455
ZMJ7528	7500	2800	< 400	TM2500-16	2500	10000	465



Wet Energy-saving Grid Ball Mill

Principle

The main component is a cylinder with diameter and length at a reasonable proportion. Driven by the transmission device, the cylinder rotates with the materials fed from the cylinder inlet and crushed by the falling impacts and autogenous grinding of the steel balls and ores in the cylinder. Due to the continuously feeding materials, Materials are pushed to the outlet by the pressure, and the grinded materials are discharged from the cylinder outlet. Qualified materials flow from the cylinder outlet. In wet grinding, the materials are taken out by the water flow. There is a grid installed in the outlet of the mill with low slurry surface, which can reduce the ore over-grinding, and prevent the steel ball out. Under the same production conditions, production capacity of grid mill is larger with rolling bearing and significant energy conservation.

