

Raw Meal Ball Mill



Application:	Cement Plant, Clinker Grinding Unit, Quicklime Plant
Capacity:	21-210 t/h
Motor Power:	475-3550 kW
Fineness:	3300~3800 cm ² /g

Introduction:

Raw mill is mainly used in grinding raw materials and final products in cement plant. It is also suitable for grinding various ores and other materials in the metallurgy, mine, chemical, construction and other industries.

Raw Meal Ball Mills are designed for grinding materials or primary crushed ore, and are the most widely used in concentrators globally.

Inspection, maintenance and repair of grinding mills and drive trains for mills

Maintenance and replacement of grinding mill linings – rubber, polymetal and steel

Erection and commissioning of ore treatment equipment – crushers, feeders, conveyors, screening equipment etc.

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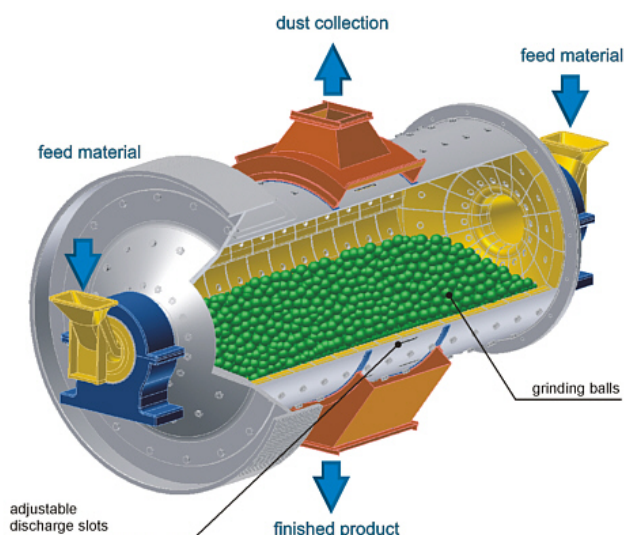


Features

1. Strong adaptability to raw material
2. Continuous production
3. Large crushing ratio
4. Easy to adjust the size of the products
5. High wear resistance, impact resistant
6. More convenient operation

7. High gear bending strength
8. Good lubrication, reliable operation

Working Principle of Ball Mill



This machine is barrel horizontal type rotation device, outer gear transmission, and two bins. Raw material is taken to first bin from feeding port through hollow shaft, there are stepped lining plate and corrugated plate inside the bin and different size of steel ball, steel ball is taken to a certain height by the force of centrifugal which is caused by barrel's rotation, material will be impacted and grinded. After coarse grinding process in the first bin, material will be delivered to the secondary bin. There are plane liner and steel ball to further grind the material. Powder material will be discharged from discharging grate plate and the grinding process is completed

Specifications

Model (m)	Output (t/h)	Rotate Speed (r/min)	Feeding Ganularity (mm)	Grinding Media Load (t)	Effective Volume (m³)	Motor (kW)	Weight (t)
Φ2.4×7.5	21-23	20.4	≤25	37.5	29.5	475	76
Φ2.4×10	30	20.4	≤25	50	39	570	94
Φ2.6×8	20-24	19.57	≤25	52	38.1	630	97

Φ2.6×9 (closed-circuit)	42	19.57	≤25	58	42.7	710	125
Φ3.0×9	28-32	18.3	≤25	78	57.4	1000	150
Φ3.4×7.5	60	16.9	≤25	80	58	1000	167
Φ3.8×7.5	90	17	≤25	95	91.8	1600	218 (excluding motor)
Φ4.0×9	120-140	16	≤25	140	106	1800	269
Φ4.6×10+3.5	190	15	≤25	190	177	3550	352 (excluding driving parts)
Φ4.6×10.5+3.5	210	15	≤25	200	185	3550	358 (excluding driving parts)