

## Ball Mill



Application: Cement Plant,  
Clinker  
Grinding Unit,  
Steel Mill,  
Quicklime Plant

Capacity: 21-155 t/h

Motor  
Power: 800-3550 kw

Fineness: 3000~4000  
cm<sup>2</sup>/g

### Applied material:

Cement, silicate, building material, ore dressing of ferrous metal and non-ferrous metal, glass ceramics, etc.

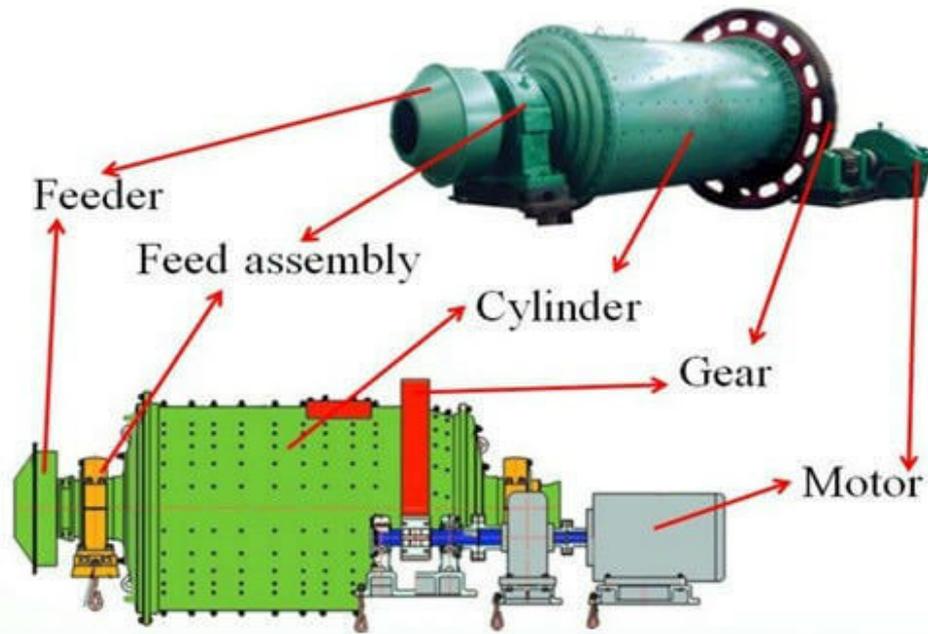


### Working principle:

1. This ball mill, a horizontal type and tubular running device, has two chamber. This machine is grid type. The material enters first warehouse spirally and evenly along the input material hollow axis by input material device.

2. In this chamber, there is a ladder scale board or ripple scale board, and different specification steel balls. When shell rotates and it produces centrifugal force. At this time, steel balls will be carried to certain height and falls down to make the material heavy impact and grinded.

3. After being grinded coarsely in the first chamber, material enters second chamber for regrinding with the steel ball and scale board. At the end, the powder is discharged by output material board and the final products are completed.



Technical data:

Model	Output (t/h)	Rotate Speed (r/min)	Feeding Granularity (mm)	Grinding Media Load (t)	Effective Volume (m <sup>3</sup> )	Motor (kW)	Weight (t)
Φ2.4×13	21-23	20.3	≤25	65	51.7	800	116
Φ2.6×13	28-32	19.61	≤25	75	60	800	149
Φ3.0×13	33-37	18.08	≤25	108	80.9	1250	172.3
Φ3.2×13	45-50	17.8	≤25	128	92.4	1600	218
Φ3.2×14	48-52	18.04	≤25	138	99.8	1800	228
Φ3.5×13	55-60	17.09	≤25	160	111.2	2000	250
Φ3.8×12 (closed-circuit)	110	16.6	≤25	175	123.6	2500	203 (excluding drive parts)
Φ3.8×13	66	16.4	≤25	195	129.3	2500	286
Φ4.0×13	80-85	15.5	≤25	235	155	2800	220 (excluding drive parts)

Φ4.2×13 (closed-circuit)	140-155	15.6	≤25	240	157	3550	287 (excluding drive parts)
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**Features:**

1. Easy to adjust the fineness of grinding products.
2. Both dry type and wet type producing.
3. Strong material adaptability, continuous production, big crushing ratio.
4. Suitable for grinding hard material.
5. No pollution for the powder with ceramic cement ball mill.

**Parts of ball mill:**

Ball mill Trunnion



Ball mill gears