

Ball Mill

The [ball mill](#) is a key equipment to grind the crushed materials, and the ball mill is widely used in powder-making production line including cement, silicate, new-type building material, refractory material, fertilizer, ore dressing of ferrous metal and non-ferrous metal, glass ceramics, etc, and the [ball mill](#) can grind various ores and other materials with dry type and wet type. There are two kinds of ball mill, grate type and overfall type due to different ways of discharging material.



Working Principle:

The ball mill is a horizontal rotating device transmitted by the outer gear. The materials are transferred to the grinding chamber through the quill shaft uniformly. There are ladder liner and ripple liner and different specifications of steel balls in the chamber. The centrifugal force caused by rotation of barrel brings the steel balls to a certain height and impact and grind the materials. The ground materials are discharged through the discharging board thus the grinding process is finished.

Technical Data:

Model	Speed of bucket (r/min)	Weight of ball (t)	Size of feed opening (mm)	size of outputting feed (mm)	Production (t/h)	Power (kW)	Weight (t)
Φ900×1800	38	1.5	≤20	0.075-0.89	0.65-2	18.5	3.6
Φ900×3000	38	2.7	≤20	0.075-0.89	1.1-3.5	22	4.6
Φ1200×2400	32	3.8	≤25	0.075-0.6	1.5-4.8	45	12.5
Φ1200×3000	32	5	≤25	0.075-0.4	1.6-5	45	12.8
Φ1200×4500	32	7	≤25	0.075-0.4	1.6-5.8	55	13.8
Φ1500×3000	27	8	≤25	0.075-0.4	2-5	90	17
Φ1500×4500	27	14	≤25	0.075-0.4	3-6	110	21
Φ1500×5700	27	15	≤25	0.075-0.4	3.5-6	132	24.7
Φ1830×3000	24	11	≤25	0.075-0.4	4-10	180	28
Φ1830×6400	24	23	≤25	0.075-0.4	6.5-15	210	34

Φ1830×7000	24	25	≤25	0.075-0.4	7.5-17	245	36
Φ2200×5500	21	30	≤25	0.075-0.4	10-22	370	48.5
Φ2200×6500	21	30	≤25	0.075-0.4	14-26	280	52.8
Φ2200×7500	21	33	≤25	0.075-0.4	16-29	380	56
Φ2200×9500	21	38	≤25	0.074-0.4	18-35	475	62

Notice: Any change of Ball Mill technical data shall not be advised additionally.

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