

# 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)
$\Phi 900 \times 1800$	38	1.5	$\leq 20$	0.075-0.89	0.65-2	18.5	3.6
$\Phi 900 \times 3000$	38	2.7	$\leq 20$	0.075-0.89	1.1-3.5	22	4.6
$\Phi 1200 \times 2400$	32	3.8	$\leq 25$	0.075-0.6	1.5-4.8	45	12.5
$\Phi 1200 \times 3000$	32	5	$\leq 25$	0.075-0.4	1.6-5	45	12.8
$\Phi 1200 \times 4500$	32	7	$\leq 25$	0.075-0.4	1.6-5.8	55	13.8
$\Phi 1500 \times 3000$	27	8	$\leq 25$	0.075-0.4	2-5	90	17

0							
Φ1500×450 0	27	14	≤25	0.075-0.4	3-6	110	21
Φ1500×570 0	27	15	≤25	0.075-0.4	3.5-6	132	24.7
Φ1830×300 0	24	11	≤25	0.075-0.4	4-10	180	28
Φ1830×640 0	24	23	≤25	0.075-0.4	6.5-15	210	34
Φ1830×700 0	24	25	≤25	0.075-0.4	7.5-17	245	36
Φ2200×550 0	21	30	≤25	0.075-0.4	10-22	370	48.5
Φ2200×650 0	21	30	≤25	0.075-0.4	14-26	280	52.8
Φ2200×750 0	21	33	≤25	0.075-0.4	16-29	380	56
Φ2200×950 0	21	38	≤25	0.074-0.4	18-35	475	62

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

**Contact Us:**

Address: South Jinqiao Area, Pudong New Area, Shanghai, China.

Postcode: 201201

Tel: 0086-21-51860237

Email: sbm@chinagrindingmill.com