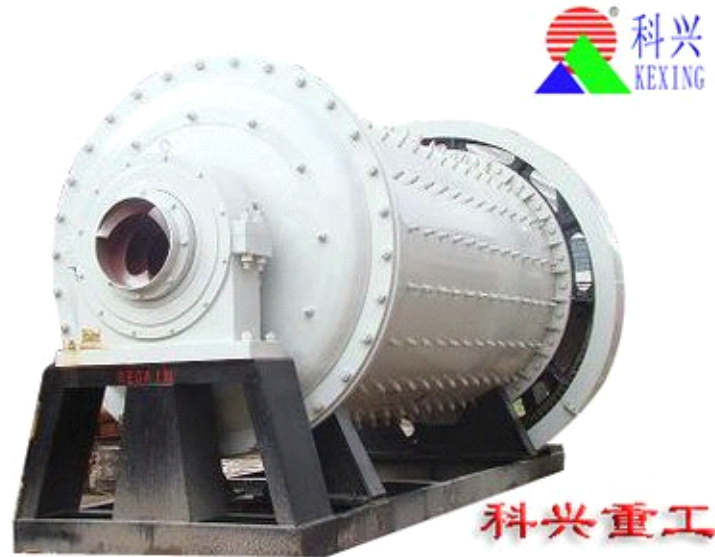




HENAN KEXING HEAVY INDUSTRY CO., LTD.

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Address: Zhongyuan District, Zhengzhou City, Henan Province, China

Ball Mill



Ball mill

Ball mill is the key equipment for the second crush of the materials. Ball mill is always used in the industry of producing cement, silicate wares, new pattern building materials, refractory material, fertilizer, ceramic. And Ball mill can do dry and wet powder grinding for any kinds of ores.

Work Principle of Ball Mill:

The Ball Mill is a horizontal rotary drum apparatus driving by gears outside. It is a lattice pattern with two storage cells. The raw materials enter into the first cell of the Ball Mill evenly through the quill shaft in charging part. There are step liner palates or wave liner palates in the first cell which has been loaded various steel spheres of different scales. When rotating, the drum causes centrifugal force that brings the steel spheres to a certain height and then the spheres drop to impact and grind the materials. After the rough grinding in the first cell, the qualified partials will enter into the second cell through a single division plate. There are flat palates welded on the inner wall of the second cell, as well as steel spheres. The materials will be further grinded in it and at last the qualified granularities will be discharged through the unload part. Then the whole process is completed.

Structure Features of ball mill

The Ball Mill consists charging part, discharging part, rotary part, transmission part (velocity decreasing machine, small conveying gear, motor, electric control) and so on. The quill shaft is made of casting steel and the inner liner palate is replaceable. The big rotary gear is processed by cast roll tooth. There is wear-resistant liner palates welded on the inner wall of the drum so that it has good wear proof ability.

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The Ball Mill operates stably and reliably.

It can be divided into dry Ball Mill and wet Ball Mill with lattice according to the materials and discharging way.

Technical data of ball mill:

Model	Rotary Speed of Drum (r/min)	Ball Loading (t)	Feeding Size (mm)	Discharging Size (mm)	Capacity (t/h)	Motor Power (kw)	Weight (t)
800*1800	38	1.5	0.075-0.8	0.3-0.8	0.3-0.8	y11- 4	2.1
900*2100	38	2.0	0.075-0.8	0.5-1.3	0.5-1.3	y15-4	3.2
1200*2800	35	4.8	0.075-0.8	1.2-3.7	1.2-3.7	y30-6	11.5
1500*3500	28	8.0	0.075-0.8	3.3-8.8	3.3-8.8	y55-75-6	16.5
1830*3500	25	13	0.075-0.8	4-8	4-8	y150-6	30
2100*2700	24	15	0.075-0.8	3.5-25	3.5-25	y150-8	33
2100*3500	24	20	0.075-0.8	4.5-33	4.5-33	y150-8	7
2200*7000	21	24	0.075-0.8	8-36	8-36	y380-8	50

Working field of ball mill



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