Ball mill

Introduction to the Ball mill (grinding mill)

The Ball mill is a key equipment for regrinding. **Ball mill** is widely used in the field of cement, the silicate product, new type building materials, fire-pro of materials, chemical fertilizer, black and non-ferrous metal, glass, ceramics a nd etc. Our **ball mill** can grind ore or other materials that can be grinded ei ther by wet process or by dry process.

Technical features of the Ball mill(grinding mill)

This Ball mill is made up of feeding part ,discharging part,gyre part,transmis sion part(decelerator,small transmission gear,generator,electrical control)and so on .The hollow axis adopts the cast steel and the rotary big gear is proces sed from cast rolling gear .The **ball mill** running smooth, reliable.

Application of the Ball mill(grinding mill)

The **ball mill** can be used in the field of cement, refractories, chemicals, nonferrous and ferrous metals and other mining department,which can be used as the various anti-abrasion materials .

Working principle of the ball mill

This **Ball mill**,a horizontal type and tubular running device, has two warehouses. The **ball mill** is a grid type .The material enters spirally and evenly the first warehouse of the milling machine along the input material hollow axis by input material device. In this warehouse , there is a ladder scaleboard or ripple scaleboard, and different specification steel balls are installed on the scaleboard, when the barrel body rotates and then produces centrifugal force ,at this time , the steel ball is carried to some height and falls down to make the material heavy striked and grinded . After being

grinded coarsely in the first warehouse, the material then enters the second warehouse for regrinding with the steel ball and scaleboard. In the end, the powder is discharged by output material board and the final products are completed。

Main technical parameters of the ball mill

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Model	Speed of bucket (r/min)	Weight of ball	Size of feed opening(mm)	size of outputting feed (mm)	Production (t/h)	Power (kw)	Weight (T)
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	475	56
Φ2400×3000	21.6	25.8	≤25	0.075-0.4	7.8-18	245	59.2

Shanghai BinQ Mining Equipment Co.,Ltd

South Jinqiao Area,Pudong New Area, Shanghai, China.
Postcode: 201201
E-mail: mill@raymondgrindingmill.com
E-mail: grinder@raymondgrindingmill.com
Tel:86-21-51890570
http://www.raymondgrindingmill.com/
http://www.grindingmill8.com/

http://www.verticalrollermill8.com/