Ball Mill - Grinding Mill

Grinding Mill

Ball mill is an efficient tool for grinding many materials into fine powder. The Ball Mill is used to grind many kinds of mine and other materials, or to select the mine. It is widely used in building material, chemical industry, etc. There are two ways of grinding: the dry process and the wet process. It can be divided into tabular type and flowing type according to different forms of discharging material.

Application:
The ball mill is key equipment for regrinding. It is widely used for the cement, the silicate product, new type building material, fire-proof material, chemical fertilizer, black and non-ferrous metal, glass, ceramics and etc. Our ball mill can grind ore or other materials that can be grinded either by wet process or by dry process.

Working Principle:
This ball mill is horizontal type and tubular running device, has two warehouses. This machine is grid type and its outside runs along gear. 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 to make the material grinding and striking. After grinded coarsely in the first warehouse, the material then enters into the second warehouse for regrinding with the steel ball and scaleboard. In the end, the powder is discharged by output material board and the end products are completed.

Features and Benefits of Ball Mill:
This ball mill machine is made up of feeding part, discharging part, gyre part, transmission part, (decelerator, small transmission gear, generator, electrical control) and so on. The

hollow axis adopts the cast steel and the lining can replace , the rotating big gear processes in the way of casting rolling gear. The barrel body is wearable well and bears wearable scaleboard. This machine run steadily and works reliably.

Technique Parameter of Ball Mill:

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)
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	475	56
Φ2400×3000	21.6	25.8	≤25	0.075-0.4	7.8-18	245	59.2

Note: This specification is just for reference, any changes are subject to the products.