



SBM Ball Mill



What we do today is to ensure the future of our
group with youth and spirit forever and ever.

- SBM

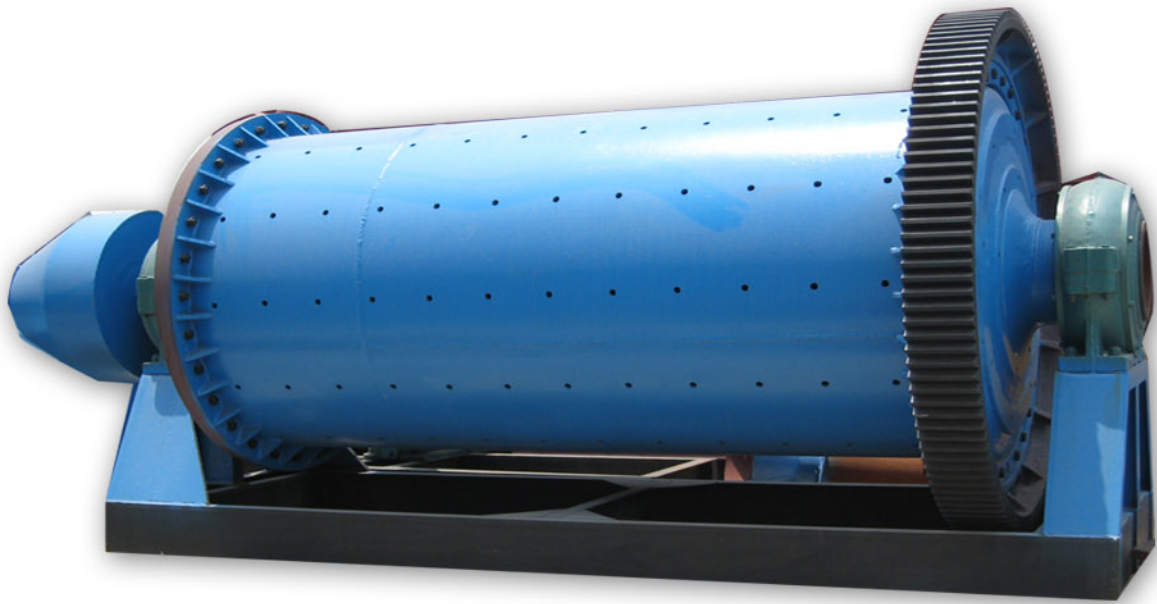


The most professional Ball Mill in China

SBM Ball Mill Overview

SBM 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.

The ball mill is a 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.



Main Features and Benefits

1. The machine is made up of feeding part, discharging part, gyre part, transmission part (reducer, small transmission gear, motor, and electrical controller) and so on.
2. The hollow axis adopts the cast steel, and the lining can be replaced. The big rotary gear is forged from cast rolling gears.
3. The barrel body is inlaid with wearable plates.
4. The machine runs steadily and efficiently.

Technical Data

| Model | Speed of bucket (r/min) | Weight of ball | Size of feed opening (mm) | Size of out putting 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 | 24 | ≤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 |



How Ball Mill Works

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.

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