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 struck 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

**Working principle of the Ball mill** *(grinding 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 strucked 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** *(grinding mill)*

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed of bucket (r/min)</th>
<th>Weight of ball</th>
<th>Size of feed opening (mm)</th>
<th>Size of outputting feed (mm)</th>
<th>Production (t/h)</th>
<th>Power (kw)</th>
<th>Weight (T)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ф1830×3000</td>
<td>24</td>
<td>11</td>
<td>≤25</td>
<td>0.075-0.4</td>
<td>4-10</td>
<td>180</td>
<td>28</td>
</tr>
<tr>
<td>Ф1830×6400</td>
<td>24</td>
<td>23</td>
<td>≤25</td>
<td>0.075-0.4</td>
<td>6.5-15</td>
<td>210</td>
<td>34</td>
</tr>
<tr>
<td>Ф1830×7000</td>
<td>24</td>
<td>25</td>
<td>≤25</td>
<td>0.075-0.4</td>
<td>7.1-17</td>
<td>245</td>
<td>36</td>
</tr>
<tr>
<td>Ф2200×5500</td>
<td>21</td>
<td>30</td>
<td>≤25</td>
<td>0.075-0.4</td>
<td>10-22</td>
<td>370</td>
<td>48.5</td>
</tr>
<tr>
<td>Ф2200×6500</td>
<td>21</td>
<td>30</td>
<td>≤25</td>
<td>0.075-0.4</td>
<td>14-26</td>
<td>280</td>
<td>52.8</td>
</tr>
<tr>
<td>Ф2200×7500</td>
<td>21</td>
<td>33</td>
<td>≤25</td>
<td>0.075-0.4</td>
<td>16-29</td>
<td>475</td>
<td>56</td>
</tr>
<tr>
<td>Ф2400×3000</td>
<td>21.6</td>
<td>25.8</td>
<td>≤25</td>
<td>0.075-0.4</td>
<td>7.8-18</td>
<td>245</td>
<td>59.2</td>
</tr>
</tbody>
</table>

**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/