

Dry ball mill



Description:

Dry ball mill is a grinding equipment used to deal with dry materials.

dry ball mill is a grid type and horizontal cylindrical rotating device with two bins. This dry grinding machine has the outer gear transmission.

Strong adaptability to the material, continuous production, and easy to adjust the fineness of grinding product;

It can be used for open-flow grinding or circulating grinding consisting of a powder separator;

Overflow dry ball mill and grid dry ball mill can be selected according to the ore property and discharge way;

Dry ball mill can be divided into levorotary type dry ball mill and dextral type dry ball mill according to the grinding process.

The materials are uniformly sent to the first chamber of the dry ball mill by the feeding device through the feeding hollow shaft. The first chamber of the dry ball mill contains stepped lining board or corrugated lining board, and steel balls of different specifications. The centrifugal force generated by the cylinder rotation will bring the steel balls to a certain height and then drop down, which will have a pounding and grinding effect on the materials. After the rough grinding is finished in the first chamber of the dry ball mill, the materials will enter into the second chamber through the single-wall partition, which is lined with the flat lining board and steel balls to further grind the materials. The powder material is discharged through discharge grates, then the grinding operation is completed.

Feature:

- 1:Simple structure, easy to maintain;
- 2:the hollow shaft of dry ball mill adopts steel casting, which makes the linear replacement easier;
- 3:Straight cylinder designed at the discharge port, the dry ball mill is equipped with the air-inducing device, which has a good deducting effect;

TECHNICAL PARAMETERS

model	Drum speed (r/min)	Ball load (t)	Feed size (mm)	Discharging size (mm)	Yield (t/h)	Motor power (kw)	Total weight (t)
Φ 900×1800	36-38	1.5	≤20	0.075-0.89	0.65-2	18.5	5.85
Φ 900×3000	36	2.7	≤20	0.075-0.89	1.1-3.5	22	6.98
Φ 1200×2400	36	3	≤25	0.075-0.6	1.5-4.8	30	13.6
Φ 1200×3000	36	3.5	≤25	0.074-0.4	1.6-5	37	14.3
Φ 1200×4500	32.4	5	≤25	0.074-0.4	1.6-5.8	55	15.6
Φ 1500×3000	29.7	7.5	≤25	0.074-0.4	2-5	75	19.5
Φ 1500×4500	27	11	≤25	0.074-0.4	3-6	110	22
Φ 1500×5700	28	12	≤25	0.074-0.4	3.5-6	130	25.8

$\Phi 1830 \times 3000$	25.4	11	≤ 25	0.074-0.4	4-10	130	34.5
$\Phi 1830 \times 4500$	25.4	15	≤ 25	0.074-0.4	4.5-12	155	38
$\Phi 1830 \times 6400$	24.1	21	≤ 25	0.074-0.4	6.5-15	210	43
$\Phi 1830 \times 7000$	24.1	23	≤ 25	0.074-0.4	7.5-17	245	43.8
$\Phi 2100 \times 3000$	23.7	15	≤ 25	0.074-0.4	6.5-36	155	45
$\Phi 2100 \times 4500$	23.7	24	< 25	0.074-0.4	8-43	245	56