

## Cement equipment parts

**Common Name:** Cement wear parts, wear-resistant castings in cement plant, cement mill liner, wear-resistant castings of cement mill.

**Main Textures:** High manganese steel, high chromium, wear-resistant alloy steel

**Casting Process:** V method casting, lost foam casting, sand casting

**Available Material:** Quartz, gold ore, iron ore, cement clinker, copper ore, pyrrhotite, construction waste, cement clinker, glass ,etc.

**Application Scope:** Cement, new building materials, refractory materials, fertilizer, ferrous and non-ferrous metals and glass ceramics, etc.

### Description of product:

In the cement industry mostly wear parts abrasive wear as the main mode. Mainly used in mill liners, diaphragm plate, grid plate, hammer crusher, bar hammer, back plate, jaw plate, vertical roller mill, disc and so on.

Cement mill discharge grate plate

Discharge grate plate mill at the outlet of the main squeezed pellets or steel segment cutting wear. Therefore, in order to choose the hardness as the main choice of materials are high-carbon steel, high manganese steel, etc., they can meet the requirements.

Cement mill liner wear

Our new micro-alloy wear-resistant lining stone impact toughness and hardness and other major technical indicators have reached foreign similar products, its technical performance can meet the above  $\phi 3.8\text{m}$  large ball mill coarse grinding compartment, fine grinding compartment, grinding compartment end liner requirements board positions, the discharge grate plate working conditions, a wide range of applications, high life high manganese steel is the ideal replacement of traditional materials and high chromium cast iron alloy liner.

Cement mill wearable hammerhead

Generally, high manganese steel hammer which from other workshop appears high manganese steel toughness loss and fatigue strength decreased in 2-4 months without alloy, and it will be changed down, and our production of resistant rock Running golden hammer, due to a substantial increase in wear resistance, it becomes a famous goods , and recommend as the best hammer.

Hubei JYS Advanced Wear Resistant Material Technology Co.,LTD is a professional cement mill wear parts foundry, we have a new micro-alloying additives patented technology, united with universities, trial and development of new cement mill liner microalloyed security and stability, we having very good abrasion resistance!

**PERFORMANCE CHARACTERISTICS:**



**BETTER QUALITY**

Cement wear-resistant castings produced specifically monitor every step, the factory must through rigorous testing quality control wholly and ensure the quality of each product.



**COST-EFFECTIVE**

Advanced structural design liner can effectively improve the mill output, reduce power consumption, increase the specific surface of cement to reduce noise



**LONGER LIFE**

After switching to the new micro-alloy mill liner material, in the same process, the life expectancy substantial increases, and it has greatly enhanced the economic efficiency of enterprises



**WIDE RANGE OF APPLICATION**

Widely used in metallurgical, chemical, building materials, electricity, transportation and other industrial sectors, for compressive strength 147-245MPa of ores and rocks of coarse, medium

**Technical Parameters:**

Specifications Model	Speed of bucket ( r/min )	loading weight (t)	Feed size (mm)	particle size (mm)	Yield (t/h)	Motor Power (kw)	total weight (t)
Φ900×1800	36-38	1.5	≤20	0.075-0.89	0.65-2	18.5	5.5
Φ900×3000	36	2.7	≤20	0.075-0.89	1.1-3.5	22	6.7
Φ1200×2400	36	3	≤25	0.075-0.6	1.5-4.8	30	12
Φ1200×3000	36	3.5	≤25	0.074-0.4	1.6-5	37	12.8
Φ1200×4500	32.4	5	≤25	0.074-0.4	1.6-5.8	55	13.8
Φ1500×3000	29.7	7.5	≤25	0.074-0.4	2-5	75	16.8
Φ1500×4500	27	11	≤25	0.074-0.4	3-6	110	21
Φ1500×5700	28	12	≤25	0.074-0.4	3.5-6	130	25.8
Φ1830×3000	25.4	11	≤25	0.074-0.4	4-10	130	29
Φ1830×4500	25.4	15	≤25	0.074-0.4	4.5-12	155	35.5
Φ1830×6400	24.1	21	≤25	0.074-0.4	6.5-15	210	43
Φ1830×7000	24.1	23	≤25	0.074-0.4	7.5-17	245	43.8
Φ2100×3000	23.7	15	≤25	0.074-0.4	6.5-36	155	34.8
Φ2100×4500	23.7	24	≤25	0.074-0.4	8-43	245	38
Φ2100×7000	23.7	26	≤25	0.074-0.4	8-48	280	56.6

Φ2200×4500	21.5	27	≤25	0.074-0.4	9-45	280	51.8
Φ2200×6500	21.7	35	≤25	0.074-0.4	14-26	380	60
Φ2200×7000	21.7	35	≤25	0.074-0.4	15-28	380	62
Φ2200×7500	21.7	35	≤25	0.074-0.4	15-30	380	64.8
Φ2400×3000	21	23	≤25	0.074-0.4	7-50	245	54
Φ2400×4500	21	30	≤25	0.074-0.4	8.5-60	320	65
Φ2700×4000	20.7	40	≤25	0.074-0.4	12-80	380	94
Φ2700×4500	20.7	48	≤25	0.074-0.4	12-90	480	102
Φ3200×4500	18	65	≤25	0.074-0.4	按工艺条件定	800	137
Φ3600×4500	17	90	≤25	0.074-0.4	按工艺条件定	850	158
Φ3600×6000	17	110	≤25	0.074-0.4	按工艺条件定	1250	175
Φ3600×8500	18	131	≤25	0.074-0.4	45.8-256	1800	252
Φ4000×5000	16.9	121	≤25	0.074-0.4	45-208	1500	203
Φ4000×6000	16.9	146	≤25	0.074-0.4	65-248	1600	218
Φ4000×6700	16.9	149	≤25	0.074-0.4	45-252	1800	238
Φ4500×6400	15.6	172	≤25	0.074-0.4	54-306	2000	280
Φ5030×6400	14.4	216	≤25	0.074-0.4	68-386	2500	320
Φ5030×8300	14.4	266	≤25	0.074-0.4	88-500	3300	403
Φ5500×8500	13.8	338	≤25	0.074-0.4	108-615	4500	525

Here is only some type for Raymond mill parts. As the improvement of product, the specifications are changed. If you need the further information, please contact our sales or Email to us, or welcome to visit our factory.



#### Enterprise strength:

We have two sand casting production line, one vacuum casting production line, one Lost foam casting production line; six intermediate frequency furnaces(two 5T,two 3T,two 1T) , six heat treatment furnace (one 40T,one 20T,one 15T ,three 5T), heat treatment pool 2000m3 water, with the annual capacity of 15,000 tons.



Sand casting



Lost foam casting



Vacuum casting



Pouring

**Global cooperation:**

JYS dialogue with international, built international group. We have an independent import and export business license, long-term exchanges and cooperate with overseas countries make our products maintaining a high level, also won the comprehensive international market. it is exported to Russia, Kazakhstan, Turkey, Saudi Arabia, South Africa, Vietnam, India, the United States, Australia and other 30 countries and regions.



Indonesia



Netherlands



Australia



United States

**Special reminder:**

Hubei JYS advanced wear resistant material technology Co. Ltd is a manufacture of wear-resistant, specialized in high manganese steel, high chromium, wear-resistant alloy steel casting, provide processing business of spare parts for different factory perennially. For any type of wear-resistant castings, you just provide drawing, sample or pattern, we can produce it for you. tel :+86-0717-3286139 e-mail: [vip@jinyangshi.com](mailto:vip@jinyangshi.com)