

Ball mill parts

Common Name: Diaphragm plate, discharge grate plate, grinding liner, cylinder liner, trapezoidal liner, liner ring groove, trench lining, ball mill liner

Main Textures: High manganese steel (Mn13, Mn13Cr2), high chromium (Cr13, Cr23, Cr26), Hard alloy. etc

Casting Process: Foundry casting, V method casting, lost foam casting

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

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

Description of product:

Ball mill is a key equipment when after broken material and smash. It is widely used in cement, power, silicate products, new building materials, refractory materials, fertilizer, black and non-ferrous metals and glass ceramics and other production industries of all kinds of ores and other grind-able materials can be dry or wet powder mill. Common accessories of ball mill are cylinder liner, discharge grate plate, diaphragm plate, grinding liners etc., and the shape of a ball mill cylinder liner is also no longer a simple plate-shaped, angular spiral, square with rounded corners liner trench lining, trapezoidal lining in the form of complex shape, the pieces are too numerous to cite.

According to the useful of the site, Ball mill liners are generally divided to five types, they are cylinder liner, grinding liners, diaphragm plate, the plate mill grate, manhole lining and special linings. It refers to the special lining member with special functions such as the role of the gauge ring, ring, although it is no longer a protective member in the traditional sense, but in practice, we still call it liner, and included a special lining class.

High manganese steel liner

We have proprietary high strength and toughness manganese steel liner chemical composition, microstructure and properties, and toughness of high manganese steel liner production and tough water treatment processes, industrial tests showed that the strength and toughness of high manganese steel liner has a substantial increase.

High chromium cast iron liners

High chromium cast iron, because of its good abrasion resistance and a certain toughness, become good manufacturing liner material. For the study of high chromium cast iron, with trace elements focused on alternative high chromium cast iron precious metal elements, combined with modification, to obtain new high chromium cast iron liners impact toughness and wear performance has improved significantly.

Wear-resistant alloy steel liner

For modified high manganese steel and high chromium cast iron high content of alloying elements, expensive and prone to cracking in production, we organized and performance of high-carbon steel to carry out new studies, to medium and high carbon steel alloying elements such as Si, Mn, Cr, Mo, Ni, Cu, or add a small amount of B, Ti, V, Re, etc., in order to achieve grain refinement, solid solution strengthening, improve hardenability modification and purposes, thus improving the mechanical properties.

Mosaic Magnetic Lining

Our product is a new type of magnetic liner of ball mill liner, the volume is relatively small, relatively light weight, production of materials for the permanent magnets, manganese and other resin bonded together, lining the bottom surface of an arc, with the curvature of the barrel radians consistent body mounted magnetic lining can reduce the grinding costs, reduce labor intensity and improve production efficiency ball mill, so the system can increase production capacity and economic benefits.

So in practice, the specific choice of what kind of material, which lining structure, should have to be according to the specific working conditions and reasonable option.

Hubei JYS Advanced Wear Resistant Material Technology Co.,LTD is specialized in producing high-quality ball mill liner manufacturers, the company produced high manganese steel ball mill liners, high-chrome cast iron, wear-resistant alloy steel casting and other materials, better than parts from other factory and longer life!

PERFORMANCE CHARACTERISTICS:



BETTER QUALITY

High wear resistance, impact resistance, at work long-term to maintain the shape of the surface lining



COST-EFFECTIVE

High cost performance, it can adapt to mine wet grinding, dry grinding, mixing mill and so on.



LONGER LIFE

Through advanced dual-media quenching process, so that the liner has excellent abrasion resistance.



WIDE RANGE OF APPLICATION

Widely used in cement, silicate products, new building materials, refractory materials, fertilizer, ferrous and non-ferrous metals and glass ceramics and other production industries were dry or wet grinding.

Technical Parameters:

Type	Speed of bucket (r/min)	loading qty (t)	Feed size (mm)
Φ900×1800	36-38	1.5	≤20
Φ900×3000	36	2.7	≤20
Φ1200×2400	36	3	≤25
Φ1200×3000	36	3.5	≤25
Φ1200×4500	32.4	5	≤25
Φ1500×3000	29.7	7.5	≤25
Φ1500×4500	27	11	≤25
Φ1500×5700	28	12	≤25
Φ1830×3000	25.4	11	≤25
Φ1830×4500	25.4	15	≤25
Φ1830×6400	24.1	21	≤25
Φ1830×7000	24.1	23	≤25

Φ2100×3000	23.7	15	≤25
Φ2100×4500	23.7	24	≤25
Φ2100×7000	23.7	26	≤25
Φ2200×4500	21.5	27	≤25
Φ2200×6500	21.7	35	≤25
Φ2200×7000	21.7	35	≤25
Φ2200×7500	21.7	35	≤25
Φ2400×3000	21	23	≤25
Φ2400×4500	21	30	≤25
Φ2700×4000	20.7	40	≤25
Φ2700×4500	20.7	48	≤25
Φ3200×4500	18	65	≤25
Φ3600×4500	17	90	≤25
Φ3600×6000	17	110	≤25
Φ3600×8500	18	131	≤25
Φ4000×5000	16.9	121	≤25
Φ4000×6000	16.9	146	≤25
Φ4000×6700	16.9	149	≤25
Φ4500×6400	15.6	172	≤25
Φ5030×6400	14.4	216	≤25
Φ5030×8300	14.4	266	≤25
Φ5500×8500	13.8	338	≤25

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.



MAILTO: [VIP@JINYANGSHI.COM](mailto:vip@jinyangshi.com) 

WE ARE NOT AFRAID THAT YOU SHOP AROUND, WITH THE QUALITY AND SERVICE TO SPEAK
 SAY "NO" TO JERRY-BUILD, FAKE, LOWER QUALITY PRODUCTS.

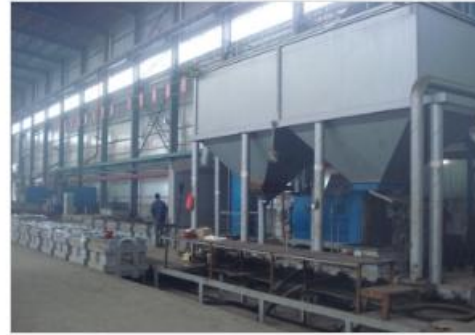
JYS-HIGH QUALITY SUPPLIER IN WEAR RESISTANT CASTINGS.

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