

## High chrome casting

**Common Alias:** high chrome castings, high chrome cast iron, high chromium steel casting, high-chromium alloy castings, manganese-chromium alloy castings

**The main material:** manganese-chromium alloy (Mn13Cr2, Mn18Cr2, etc.), high chromium (Cr13, Cr23, Cr26, etc.)

**Casting:** foundry casting, V method of casting, lost foam casting

**Applicable materials:** quartz, gold ore, iron ore, cement clinker, copper ore, pyrrhotite, construction waste, cement clinker, glass etc.

**Applications:** in metallurgy, mining, cement, electricity, fertilizer, coal, chemicals, water and urban construction and other industries.

### **product description:**

High chromium cast iron is a high-chromium white iron wear short, it is an excellent subject to special attention of wear-resistant material. It is much higher abrasion resistance than steel, and much higher than the average white cast iron toughness, strength, but it also combines excellent resistance to high temperature and corrosion resistance, combined with the production of convenient, affordable cost, is hailed as one of the anti-abrasive wear of the most excellent material. In mining, cement, electricity, road construction machinery, refractories and other aspects of a wide range of applications, common in the liner, hammer, hammer plate, balls and the like.

#### High chrome blow bar

For working conditions and the structural characteristics of large-scale counterattack crusher, inyangshi developed ultra-high chromium cast iron plate with a hammer comprehensive high wear resistance, service life of ordinary high manganese steel 1-1.5 times.

#### High chrome hammer

Hubei JYS high chrome hammer stone was upgraded on the basis of ordinary high manganese steel hammer on from the heavy elements chrome metal mounting, after smelting by metamorphism process grain refinement, in the negative pressure state once casting molding. Its hammer parts made of high chromium cast iron materials, high density, can withstand greater impact loads, sufficient abrasion resistance. Hammer handle parts adopt toughness of low alloy steel, good toughness, not broken, in order to ensure safe operation.

#### High chrome liner

High chromium cast iron liner wear, long life, has been perceived by the industry, its high performance represents the highest level of metal wear-resistant materials. Currently, the wear liners are widely used among all kinds of projects, and JYS as a new high-chromium alloy liner liner wear-resistant materials, but also because of their superior performance by the majority of users of all ages

Hubei JYS new wear-resistant materials Co., Ltd. is a professional to do all kinds of high chromium castings manufacturers, the company has "a new micro-alloying additives patented technology", through joint and universities, trial and development of new micro-alloy wear-resistant parts Security stable, with very good abrasion resistance! More wear-resistant material products, please consult the online, telephone or to plant inspection, we will be happy to serve you!

## PERFORMANCE CHARACTERISTICS:



### BETTER QUALITY

Microstructure of high chromium steel is: martensite + residual austenite + eutectic carbides + secondary carbide impact toughness higher than the high chromium cast iron mechanical performance while remaining fairly



### COST-EFFECTIVE

The new carbon chromium alloy steel liner wear "their performance is better than the traditional high-carbon chromium alloy steel liner wear resistance and toughness good low production cost price has certain advantages



### LONGER LIFE

JYS new micro-alloy, compared to traditional materials more resistant, has been widely recognized



### WIDE RANGE OF APPLICATION

Used in mining, building materials, thermal power and other mechanical equipment, the production of wear parts.

## Technical Parameters:

model	C	Mn	Si	Ni	Cr	Mo	Cu	P	S
KmTBCr12	2.0-3.3	≤2.0	≤1.5	≤2.5	11.0-14.0	≤3.0	≤1.2	≤0.10	≤0.06
KmTBCr15Mo	2.0-3.3	≤2.0	≤1.2	≤2.5	11.0-18.0	≤3.0	≤1.2	≤0.10	≤0.06
KmTBCr20Mo	2.0-3.3	≤2.0	≤1.2	≤2.5	18.0-23.0	≤3.0	≤1.2	≤0.10	≤0.06
KmTBCr26	2.0-3.3	≤2.0	≤1.2	≤2.5	23.0-30.0	≤3.0	≤1.2	≤0.10	≤0.06

Here is only some type for High chrome casting. As the improvement of product, the specifications are changed. If you need the further information, please contact our sales or Email to us.

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WE ARE NOT AFRAID THAT YOU SHOP AROUND, WITH THE QUALITY AND SERVICE TO SPEAK  
SAY "NO" TO JERRY-BUILT, 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](mailto:vip@jinyangshi.com)