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THE LEADING WEARING PARTS MANUFACTURER IN CHINA

江西鑫钢矿机有限公司

SINCO MACHINERY MANUFACTURING CO.,LTD

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江西鑫钢矿机有限公司

SINCO MACHINERY MANUFACTURING CO.,LTD.

The quality pioneer of mining and
engineering spare parts
supplier in China





COMPANY PROFILE

公司简介

江西鑫钢矿机有限公司成立于1993年，是一家具有二十多年生产耐磨合金铸件的企业。公司坐落于江西省新余市袁河工业区。公司占地面积43000m²，总投资6500万元人民币，现有固定资产6000万余元，员工200余人，专业技术人员36人，资金技术力量雄厚，拥有先进齐全的加工设备数十余台套，是一家集研发、生产、销售、服务于一体的高新技术企业。

鑫钢公司致力于圆锥破碎机、精密耐磨材料，为高速公路、铁路、水电等大型工程项目提供高等级砂石料解决方案和高端成套设备。企业现有生产面积26000平方米，建筑面积28000平方米，建有整齐的生产厂房车间、配套完善的员工宿舍楼、功能齐全的综合办公大楼。目前公司拥有国际先进的树脂沙生产线、消失模生产线，年产精密耐磨材料20000吨。全部按照ISO9001:2000国际质量管理体系标准进行设计、生产、组装、检测，销售网络覆盖全球130多个国家和地区。

Sinco Machinery is one of the leading wear-resistant parts manufacture in China for over 20 years. Our foundry is in Xinyu city, Jiangxi Province. with 43,000 square meters workshop and 200 skilled workers. We have 2 production lines --- Resin sand casing and lost foam casting. We own dozens of advanced sets of milling and lath machines.

We always do research on how to improve the lifetime of high manganese, high chrome with ceramic and other materials in high wearing operating condition. Our main products are jaw plates, concave&mantle, blow bar, ball mill liners, which are applied to most famous brand mining machineries all over the world.

We always believe that the quality is our lives. All products of Sinco are designed, produced and tested according to ISO9001:2000 quality system. Over 70% of products are exported to more than 50 countries in North America, Asia, Europe and Africa. The capacity of our foundry is 15000tons. The unit weight of our largest casting is 12 tons. All products are designed, produced, assembled and inspected in accordance with ISO9001:2008 quality system standard. Our sales network extends to more than 70 countries around the world.

1993年

成立于1993年
Established in 1993

43,000m²

公司占地面积
The company covers area

20000吨

年产量
Annual output

130多个

销售覆盖130多个国家
Sales cover over 130 countries

200多人

员工
worker

ISO 9001

国际质量认证
International Quality Certification

ISO 证书



我们的团队 OUR TEAM

PRODUCTION PROCESS

生产流程

Technical standard/生产标准: ASTM A128, Japanese JIS, Chinese GB/T5680-2010, then we have our own unique quality standard.



模型制作
Pattern making



制砂
Flask moulding



上涂料
Pattern painting



造型
Mold clamping



熔炼
Smelting



浇注
Casting



发货
Shipping



喷漆
Painting



机加工
Machining



打磨
Polishing



热处理
Heat treatment



清理
Cleaning

QUALITY INSPECTION

质量检测



The quality of our products is the unwavering principle that we adhere to.



着色探伤
Dye Penetration Inspection



尺寸检测
Dimensional Inspection



拉伸实验
Tensile Test



冲击实验
Impact Test



光谱分析
Spectral Analysis



金相检测
Metallographic Examination

PRODUCTION EQUIPMENT

生产设备

Equipment:

5 tons medium frequency furnace 1 set, 3 tons medium frequency furnace 1 set, 1 ton furnace 2 sets, heat treatment furnace 3 sets, 2.5 vertical lathe 6 sets, linear milling machine 4 sets.

主要设备:

5吨中频炉一套, 3吨炉一套, 1吨炉两套, 热处理炉3套, 2.5m立式车床6台, 龙门铣床4台。



5TON MEDIUM FREQUENCY FURNACE

5吨中频率炉



HEAT TREATMENT FURNACE

热处理炉



LINEAR MILLING MACHINE

龙门铣床

CONE CRUSHER PARTS

圆锥破碎机配件

● 轧臼壁和破碎壁是圆锥破碎机的主要模式部件。我司生产的轧臼壁和破碎壁产品，适用于国内外知名品牌及常用型号的圆锥破碎机，并可以根据客户使用情况改进高锰钢材质，添加合金成分，对主要磨损部位进行加厚设计，增强耐磨性能，延长配件使用寿命，提高用户的综合经济效益。

The bowl liner and mantle are regular replaceable parts of cone crusher. Sinco brand bowl liner and mantle are suitable for most brands of crusher in the market. We always improve the material and design according to the users working conditions to make the parts lifetime longer, which can be more efficient and valuable to our customers.

生产标准 Manufacture standard :

ASTM A128, JIS, DIN, ISO13521:1999, GB/T5680-2010, Г0CT977-1988

材质牌号 Material number :

Mn13Cr2, Mn1 8Cr2, Mn22Cr2, Mn1 8Cr2Mo1

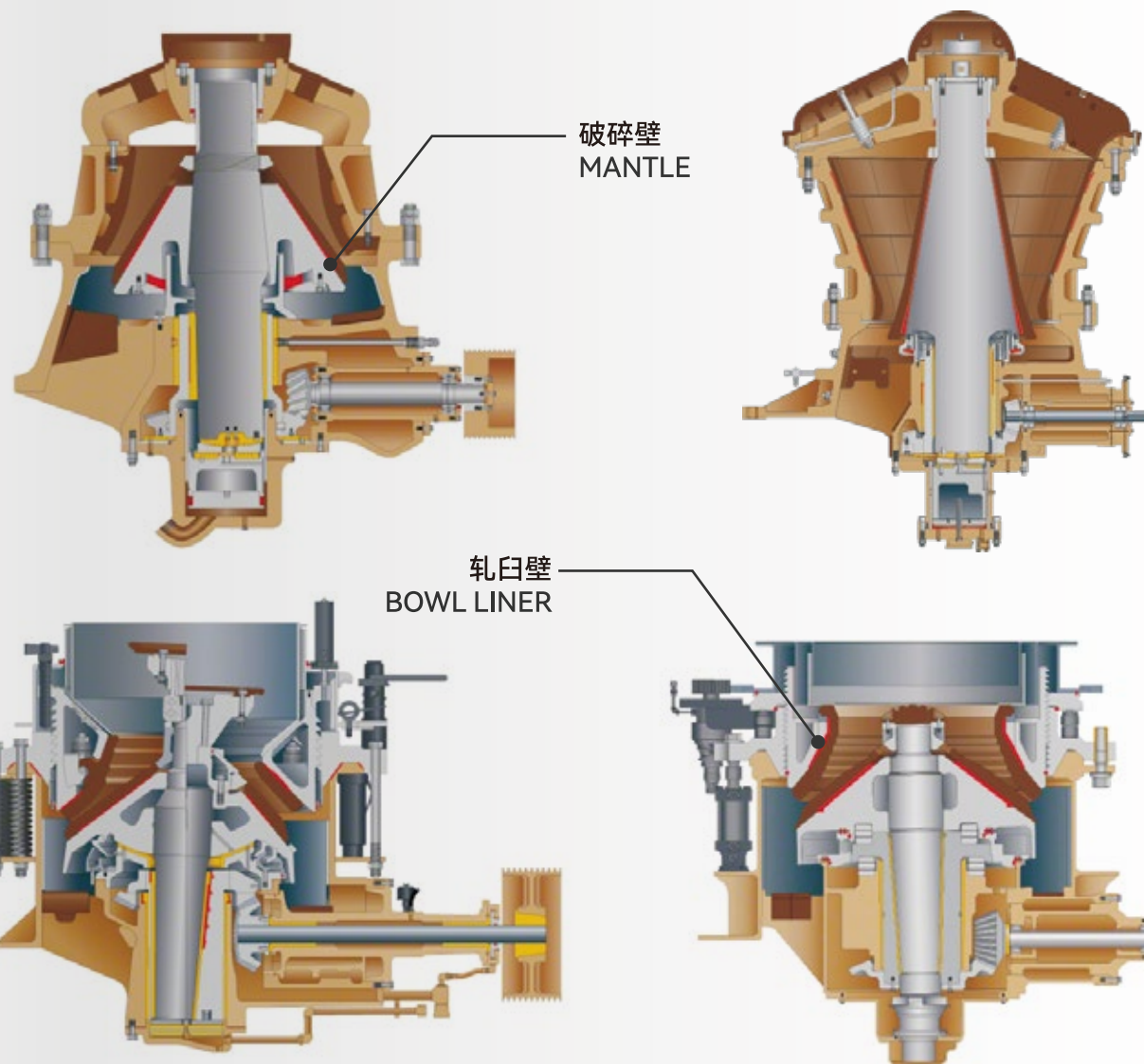
A128 Gr.A, Gr.B, Gr.C

110Г13π, 110Г13X2BPπ, 110Г13φTπ, 130Г14

SCMnH1, SCMnH2, SCMnH3, SCMnH11, SCMnH21

GX120MnMo7-1, GX110MnMo13-1, GX100Mn13, GX120Mn13, GX 120MnCr13

GX120MnNi13-3, GX120Mn17, GX90MnMo14, GX120MnCr17-2.





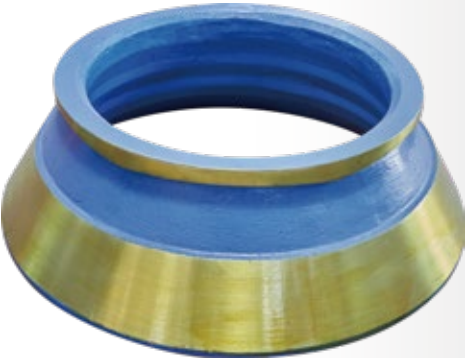
轧臼壁
Bowl liner



轧臼壁
Bowl liner



轧臼壁
Bowl liner



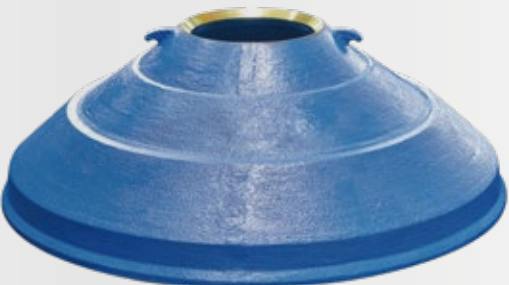
轧臼壁
Bowl liner



轧臼壁
Bowl liner



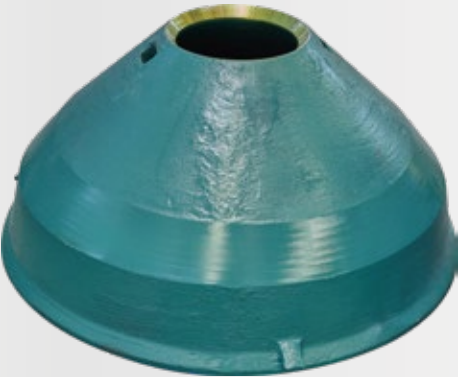
轧臼壁
Bowl liner



破碎壁
Mantle



破碎壁
Mantle



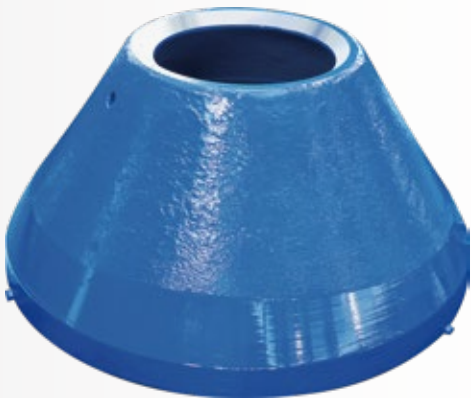
破碎壁
Mantle



破碎壁
Mantle



破碎壁
Mantle



破碎壁
Mantle

JAW CRUSHER PARTS

鄂式破碎机配件

● 颚板和边护板是鄂式破碎机的主要磨损部件。鑫钢公司可以根据用户的工况条件,生产不同齿形和材质的颚板。我们主要采用含锰量为13%-30%的高锰钢及超高锰钢材质,并采用特殊的热处理方式,使得每一件鑫钢颚板都有更高的耐磨程度和使用寿命。根据客户反馈,鑫钢公司的颚板使用寿命比普通颚板高出20%-30%。我司还研发了新型碳化钛棒镶嵌颚板,适用于高磨损工况条件,使用寿命比普通锰钢颚板提高了50%-100%。

The regular used parts of jaw crusher are jaw plate and cheek plate. Sinco Machinery can produce jaw plate in different teeth shape and material according to the users working condition. We use material of manganese steel 13%-30% with special alloy, improved the working life of jaw parts by 20%-30%. Sinco developed TIC rod inserted jaw plate, suitable for high-wearing conditions. The lifetime is 50%-100% longer than normal manganese jaw plate.

生产标准 Manufacture standard :

ASTM A128, JIS, DIN, ISO13521:1999, GB/T5680-2010, Г0CT977-1988

材质牌号 Material number :

Mn13Cr2, Mn1 8Cr2, Mn22Cr2, Mn1 8Cr2Mo1

A128 Gr.A, Gr.B, Gr.C

110Г13π, 110Г13X2BPπ, 110Г13φTπ, 130Г14

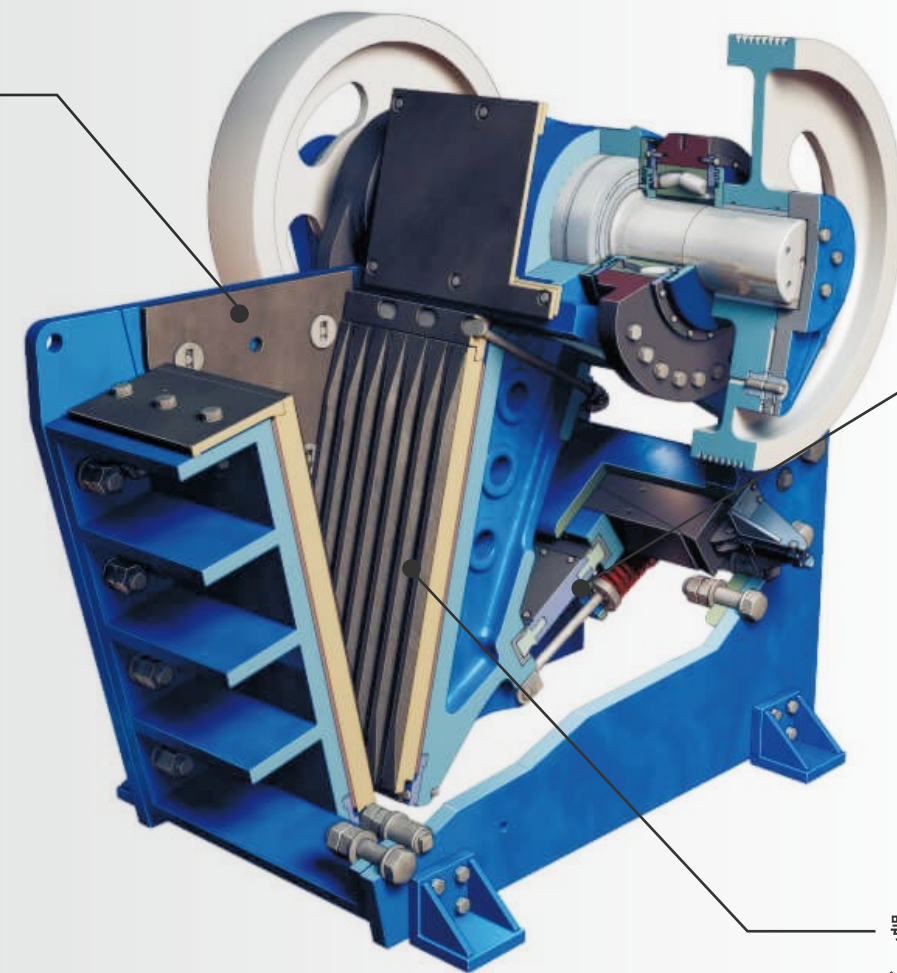
SCMnH1, SCMnH2, SCMnH3, SCMnH11, SCMnH21

GX120MnMo7-1, GX110MnMo13-1, GX100Mn13, GX120Mn13, GX 120MnCr13

GX120MnNi13-3, GX120Mn17, GX90MnMo14, GX120MnCr17-2.



边护板
Cheek plate

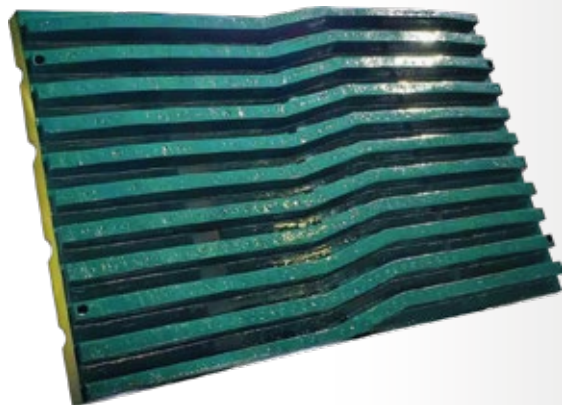


肘板
Toggle plate

鄂板
Jaw plate



碳化钛镶嵌颚板
TIC rod inserted jaw plate



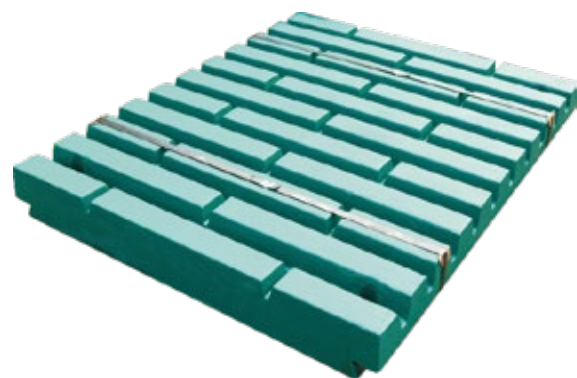
碳化钛镶嵌颚板
TIC rod inserted jaw plate



颚板
Jaw plate



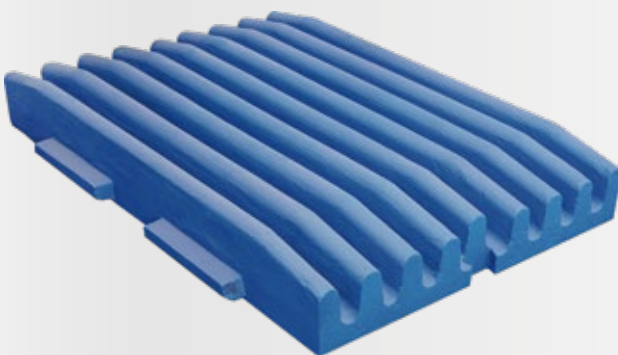
颚板
Jaw plate



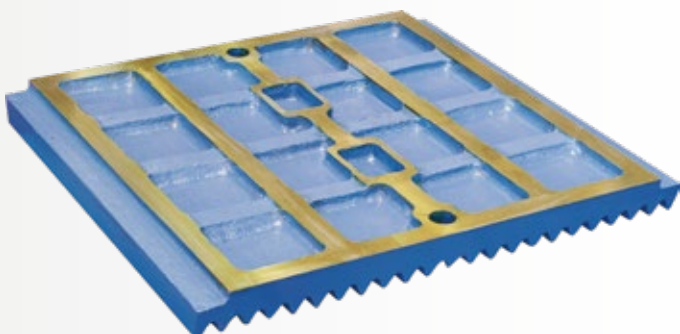
颚板
Jaw plate



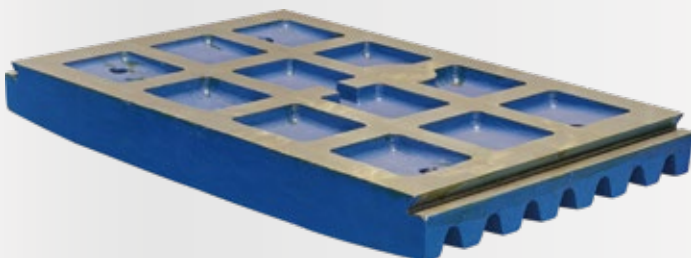
颚板
Jaw plate



颚板
Jaw plate



颚板
Jaw plate



颚板
Jaw plate



边护板
Cheek plate



肘板
Toggle plate



肘板
Toggle plate

IMPACT CRUSHER PARTS

反击式破碎机配件

● 作为生产混凝土骨料,高速公路,铁路和城市建筑垃圾破碎的主要设备,反击式破碎机破碎的主要磨损配件为板锤和衬板。我司生产的板锤和衬板主要使用高铬白口铸铁,中铬铸铁及低铬合金铸造。产品经过特殊的热处理工艺,冷却后得到马氏体的金相结构,硬度在HRC58-65以上。现已应用在40多个国家和地区的数千台反击式破碎机上,并以其耐磨损,韧性强,安全稳定的特点深受广大用户欢迎。

Impact crusher is an important equipment in concrete production, highway construction and building waste recycle. The main spare parts are blow bar and liner plate. Sinco blow bar and liner plate are made in high Cr white iron, middle Cr iron and low Cr alloy steel. We use special heat treatment process, getting Martensite structure with hardness HRC58-65. Now our products are used on thousands of impact crusher in over 40 countries, They are in good wear-resistant, stable performance and good feedback from customer.

生产标准 Manufacture standard :

ASTM A532M, AS2027, BS4844, DIN1 695, ГOCT7769, GB/T8263.

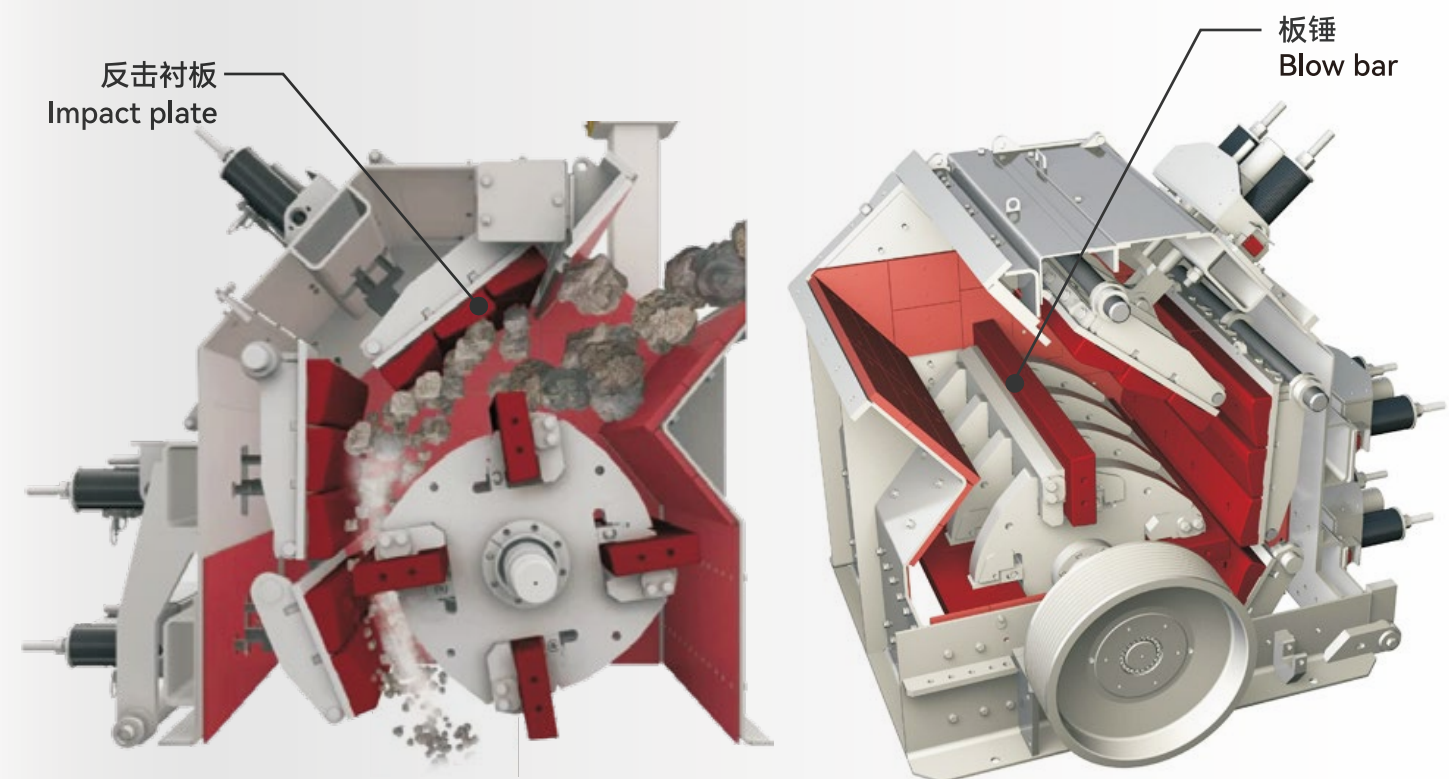
材质牌号 Material number :

A532 IIA, IIA, IIB,IIC, IID,

KmTBCr12, KmTBCr15Mo, KmTBCr20Mo, KmTBCr26

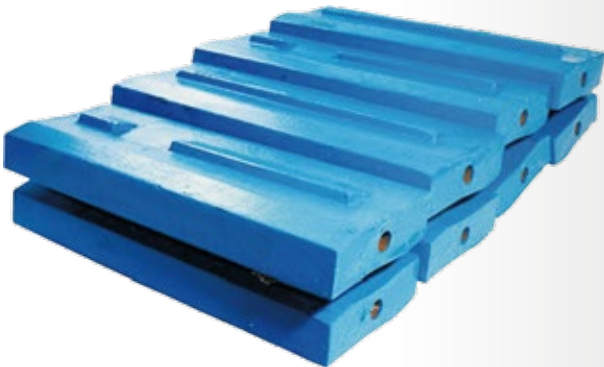
Cr15Mo3, Cr20Mo1, Cr26Mo1

G-X 300CrMo153, G-X CrMoNi1521, G-X260 CrMoNi2021,G-X260Cr27, G-X300CrMo271





板锤
Blow bar



板锤
Blow bar



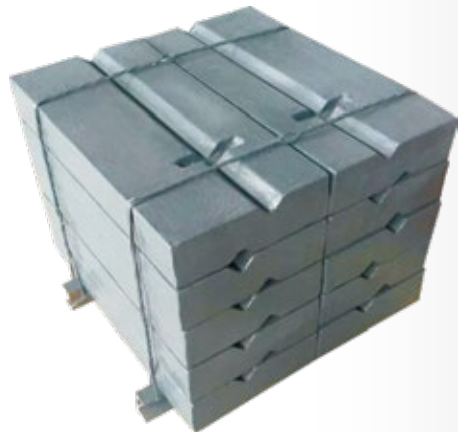
板锤
Blow bar



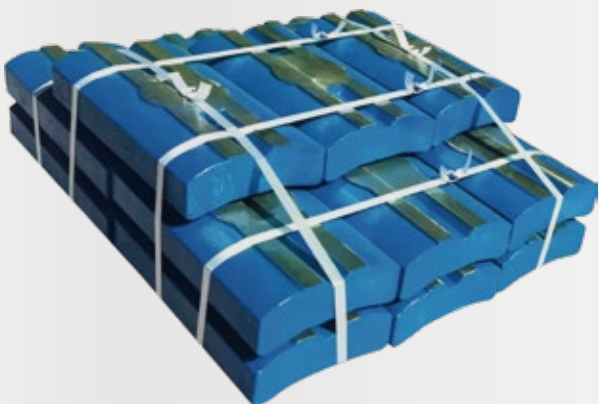
板锤
Blow bar



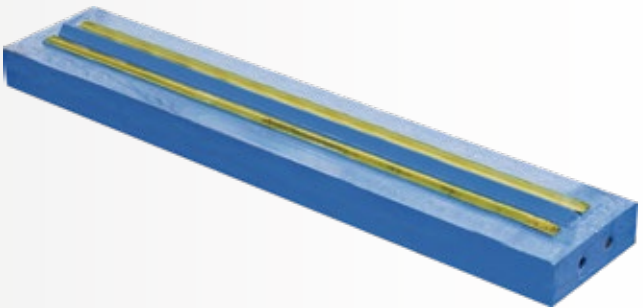
板锤
Blow bar



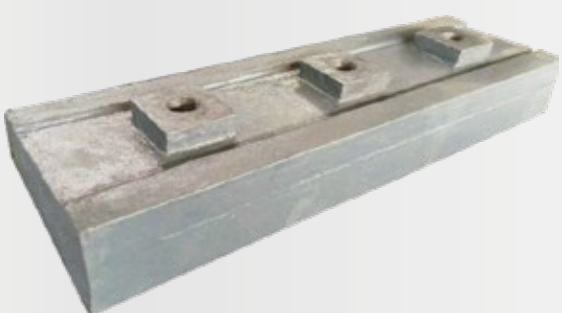
板锤
Blow bar



板锤
Blow bar



板锤
Blow bar



反击衬板
Impact liner plate



上 / 下挡板
Top/bottom apron



衬板
Liner plate

METAL SHREDDER PARTS

金属破碎机配件



01 高锰钢产品 High Manganese Steel

高锰钢在受到强烈冲击和挤压等外力作用时，其表面会发生加工硬化现象。比如在破碎机中用于破碎矿石等坚硬物料时，刚开始工作时，高锰钢破碎件表面硬度相对没那么高，但随着不断与物料碰撞、挤压，表面硬度会迅速提升，变得十分坚硬耐磨，能长时间保持良好的破碎性能，有效抵抗物料对其表面的磨损，从而延长使用寿命，相较于一些普通钢材制成的破碎件，其耐磨程度优势明显。

When high-manganese steel is subjected to external forces such as intense impact and compression, the work-hardening phenomenon will occur on its surface. For example, when it is used in crushers to break hard materials like ores, at the beginning of the operation, the surface hardness of high-manganese steel crushing parts is relatively low. However, as they continuously collide and are compressed by the materials, the surface hardness will rapidly increase, becoming extremely hard and wear-resistant. They can maintain good crushing performance for a long time and effectively resist the wear on their surfaces caused by the materials, thus prolonging their service life. Compared with crushing parts made of some common steel materials, its wear resistance has a significant advantage.

Chemical composition	C(Max)	Mn	Si	Cr	P	S
	1.05-1.20	11.00-19.00	≤1.00	1.50-2.50	≤0.06	≤0.10
Mechanical properties	UTS (KSI)	YS (KSI)	EL%	Hardness(BHN)	Charpy V-notch(room temp)	
	90-140	50-70	24-40	200-250	90-160 ft.lb	

02 合金钢产品 Alloy Steel

合金元素的加入改变了钢的表面特性和内部组织结构，使其耐磨性能显著提升。合金钢耐磨件在形状、尺寸方面也能够方便地根据实际设备的安装和使用要求进行定制生产，使其能更好地适配不同的工业设备，提高设备整体的运行效率和稳定性。适用于如矿山破碎设备的衬板等需要高强度支撑同时又要抵抗矿石强烈磨损的部件应用场景。

The addition of alloying elements has changed the surface characteristics and internal microstructure of steel, significantly improving its wear resistance. Alloy steel wear-resistant parts can also be conveniently customized in terms of shape and size according to the installation and usage requirements of actual equipment, enabling them to better adapt to different industrial equipment and improve the overall operating efficiency and stability of the equipment. They are applicable to application scenarios of components such as liners of mine crushing equipment that require high-strength support while also having to resist the intense wear from ores.

Chemical composition	C(Max)	Mn	Si	Cr	P	S	Mo	Ni
	0.26-0.34	0.30-0.60	≤0.40	1.80-2.20	≤0.035	≤0.35	0.30-0.50	1.80-2.20
Mechanical properties	Hardness(BHN)				Impact strength(kg*m/cm²)			
	≥450				5.5			



破碎机锤头
Shredder Hammer



破碎机锤头
Shredder Hammer



破碎机锤头
Shredder Hammer



破碎机锤头
Shredder Hammer



低合金钢锤头
Low Alloy Steel Hammer



低合金钢锤头
Low Alloy Steel Hammer



格栅
Grates



衬垫
Liners



铁砧
Anvils



顶盖
Caps



前壁铸件
Front Wall Castings



前壁铸件
Front Wall Castings

OUR PRODUCTS ARE SOLD
ALL OVER THE WORLD

我们的产品销往世界各地

GLOBAL CLIENTELE



- Market: North America, South America, Russia, Europe, Middle East, South East Asia.
- 市场范围：北美，南美，俄罗斯，欧洲，中东，东南亚。



Over 70% products exported | 70%产品出口