

株洲瑞拓硬质合金有限公司 Zhuzhou Retop Carbide Co., Ltd



电话 Phone: 15116378518 / 18707335571

邮箱 Email: info@retopcarbide.com

地址：湖南省株洲市天元区黄河北路大汉惠普产业园8栋

Add : Building 8, Da Han Hui Pu Industry Park, Huanghe
North Road, Tianyuan District, Zhuzhou, Hunan, China

精|心|制|造 追|求|卓|越

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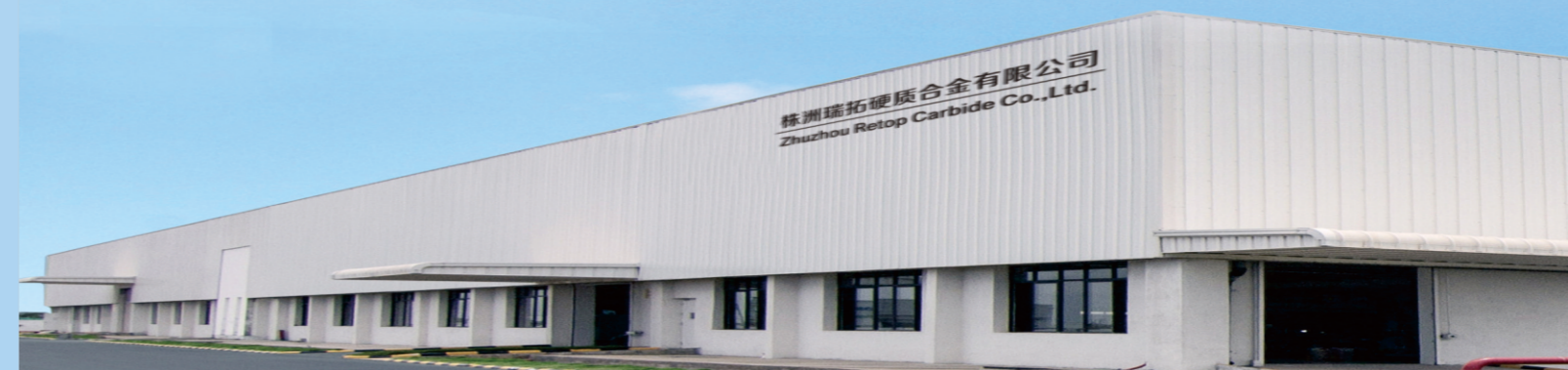
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公司简介

COMPANY PROFILE

株洲瑞拓硬质合金有限公司位于中国最大的硬质合金生产基地-湖南株洲。 公司主要经营硬质合金长条板材，硬质合金棒梢，圆环，轴套，硬质合金球磨罐和球，硬质合金阀芯阀座，切削刀具，硬质合金耐磨焊条及颗粒，以及各类定制类产品等等，产品品种齐全、价格合理。我们具备碳化钨烧结产品的制造和精加工方面的专业知识，可以为客户提供各类解决方案，为您节约成本。我们致力于为客户提供优质的服务及可靠的产品，来提高您的机器和工具的效率，以专业的服务满足客户的需要。公司拥有进出口权，重信用、守承诺、赢得了广大客户的信任，产品远销法国，俄罗斯，美国，英国、印度，澳大利亚、等几十个国家。我们力求成为客户首选的长期业务伙伴。

Zhuzhou Retop Carbide Co., Ltd. is located in Zhuzhou, Hunan, the largest cemented carbide production base in China. The company mainly engaged in carbide paltes & strips, carbide rings, bushings, carbide jars and balls, carbide valve cores and valve seats, cutting tools, carbide composite rod and particles, And all kinds of customized products, etc., the product variety is complete and the price is reasonable. We have expertise in the manufacture and finishing of tungsten carbide sintered products and can provide customers with a variety of solutions to save you costs. We are committed to providing customers with quality service and reliable products to improve the efficiency of your machines and tools, and to meet customer needs with professional services. We have the right to import and export,trustworthy, keeps promises, and have won the trust of our customers. The products are exported to France, Russia, the United States, the United Kingdom, India, Australia, and other dozens of countries. We strive to become our customers' preferred long-term business partner.



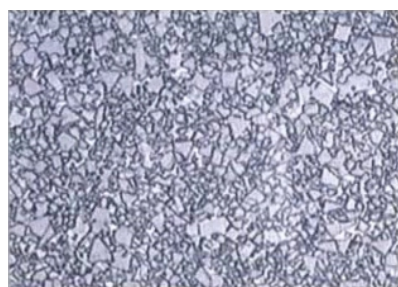
品质基础 QUALITY BASEMENT



亚微粒材质



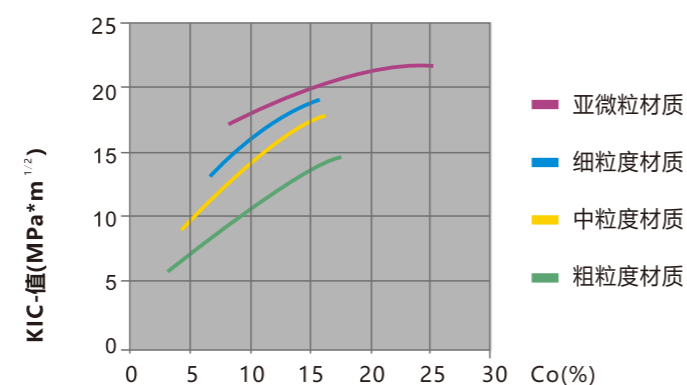
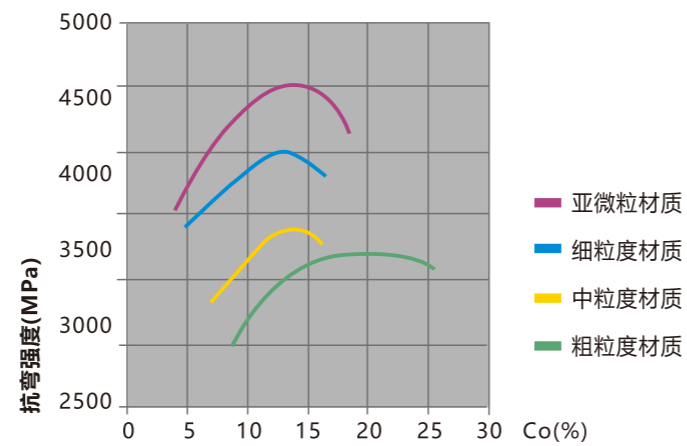
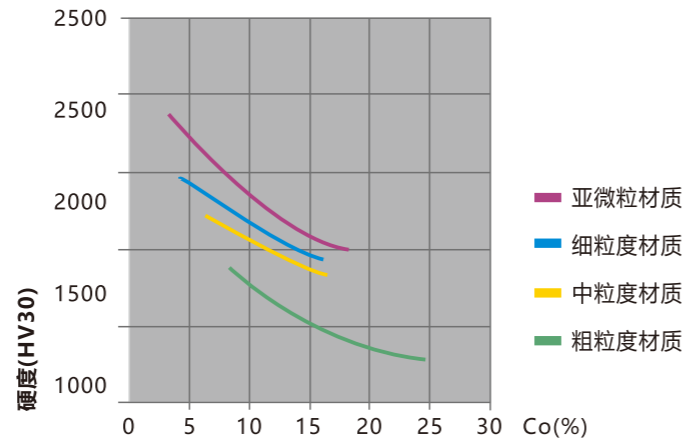
细粒度材质



中粒度材质



粗粒度材质



牌号表 GRADE

牌号 Grade	性能 Performance				
	composition 成分	密度 Density	抗弯强度 TRS	硬度 Hardness	颗粒度 Grain size
		G/Cm3	N/mm2	HRA	um
YG6	CO 6%,WC 94%	14.8-14.9	≥1800	89-91	2.0
YG8	CO 8%,WC 92%	14.6-14.9	≥2320	88-90	2.0
YN6	Ni 6%,WC 94%	14.4-14.6	≥1800	89-90	2.0
YN10	Ni 10%,WC 90%	14.2-14.5	≥2200	87-88	2.0
10F	CO 6%,WC 94%	14.8-15.1	≥1660	92.5-94	0.8
YS2T	CO 10%,WC 90%	14.5	≥2600	92-93	0.8
YL10.2	CO 10%,WC 90%	14.5	≥3600	91-92	0.6
YG11	CO 11%,WC 89%	14.4-14.8	≥2300	87-89	3.0
YG15	CO 15%,WC 85%	14.1	≥2400	86-87	2.0
YG20	CO 20%,WC 80%	14.6	≥2080	83-84	2.0

生产设备 PRODUCTION EQUIPMENT



检测仪器 TESTING INSTRUMENT



石油行业 OIL INDUSTRY

定子转子 TUNGSTEN CARBIDE ROTOR AND STATOR

硬质合金转子和定子用于随钻测量仪，常规尺寸有3.44, 4.125, 5.25英尺

Tungsten carbide rotor and stator used in Mud Pulse Telemetry MWD system or Mud Pulse MWD oilfield. Standard size have 3.44, 4.125, and 5.25 inch.



蘑菇头 限流环 CARBIDE POPPET CARBIDE BOTTOM SLEEVES

硬质合金限流环，主阀芯主要用于随钻测量仪。

硬质合金主阀芯又叫硬质合金蘑菇头，硬质合金主阀头。

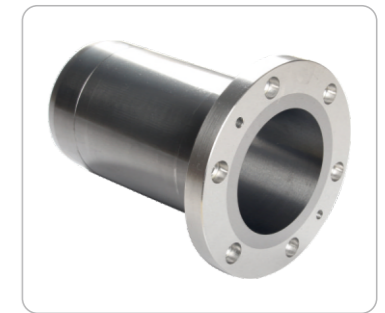
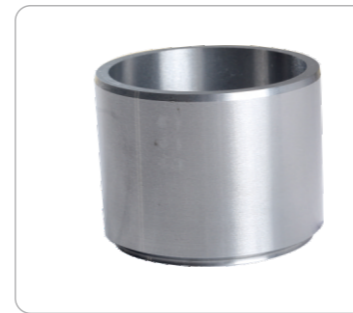
Tungsten carbide bottom sleeves and main orifice are used in MWD & LWD.



轴套 TUNGSTEN CARBIDE SLEEVE

硬质合金轴套广泛应用于石油化工行业中，具有硬度高，耐磨性好，韧性好，使用寿命长等优点。

Tungsten carbide sleeve is widely used in petrochemical industry. It has the advantage of high hardness, good wear resistance, good toughness and long service life.



射流泵喷嘴喉管 TUNGSTEN CARBIDE TUBE AND NOZZLE

喷嘴、喉管是水力射流泵的射流元件，由于流体线速度很高，需采用耐磨、有高强度的硬质合金材料。

Tungsten carbide tube and nozzle are the components of the jet pumps, due to its high speed of the linear velocity, it is better to use tungsten carbide material.



PDC螺纹喷嘴 PDC THREAD NOZZLE

PDC钻头、牙轮钻头是石油钻井和地质钻探行业常用的一种钻井工具。其中PDC钻头、牙轮钻头上的水眼即硬质合金喷嘴，此种喷嘴通常都是螺纹喷嘴。

PDC drill bits and cone roller bits are commonly used in oil drilling and geological drilling industry and the water holes on them are tungsten carbide nozzles. it's usually Thread nozzle



球齿梅花齿 TUNGSTEN CARBIDE BUTTON

硬质合金球齿具有优越的耐磨性及冲击韧性。广泛应用于石油钻井，矿山机械，道路维修和煤钻工具等行业。

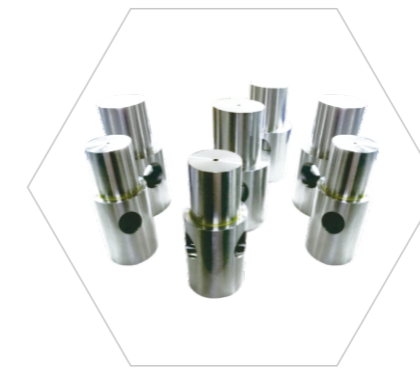
Tungsten carbide buttons have good wear resistance, high level of toughness. It is widely used on oil drilling, mining machinery, road maintenance, coal drilling and son on.



动定阀组 VALVE AND BEARING SECTION

常用规格有375.475.675等。

Common specifications is 375.475.675 and etc.



VALVE AND BEARING SECTION

阀芯阀座 TUNGSTEN CARBIDE VALVE CORE AND VALVE SEAT

特点：耐高压，使用寿命长，耐磨耐腐蚀，尺寸精度高，耐高温。

主要用于石油工业，煤化工行业，海上油井和高压抗硫油井等油泵阀门的密封

Features: High pressure resistant, long working life, Anti-corrosion and wear resistant, High temperature resistant

It's mainly used for sealing oil pump valves in petroleum industry, coal chemical industry, offshore oil wells and high-pressure sulfur resistant oil wells.



YD 焊条 TUNGSTEN CARBIDE COMPOSITE ROD

YD型硬质合金复合材料堆焊焊条用于铣鞋、磨鞋、稳定器、各种尖钻头、管子割刀刀片、键槽扩孔器等工具的切削材料。

Tungsten carbide YD rod (tungsten carbide composite rod) surfacing electrode is used for cutting materials of milling shoes, grinding shoes, stabilizers, various sharp drills, pipe cutter blades, keyway reamers and other tools.



产品型号 SIZE

焊棒长度 length	450mm
焊棒重量 weight	500g
硬质合金颗粒直径 size (mm)	1.6-3.2
	3.2-4.8
	4.8-6.4
	6.4-8.0
	8.0-9.5

节流阀套 TUNGSTEN CARBIDE CAGE VALVES

硬质合金节流阀套用于笼套式节流阀，硬质合金节流套具有硬度高，强度高以及优良的耐磨耐腐蚀性

Tungsten carbide cage valves used for Cage throttle valve, it has high hardness, high strength, corrosion and wear resistance.



研磨行业

TUNGSTEN CARBIDE FOR GRIND

球磨罐 TUNGSTEN CARBIDE JAR

硬质合金球磨罐常规规格

Tungsten carbide jars specification

容积/ Volume	外径/ OD	内径/ ID	高度/H	壁厚 thickness
50ml	48	36	67	6
100ml	63	51	63	6
250ml	86	74	75	6
500ml	105	92	105	6.5
1L	130	115	134	7.5
1.5L	130	115	181	7.5
2L	170	156	128	7



可以根据客户尺寸或者图纸定做。

The size can be customized according to customer' s requirements.

硬质合金球 TUNGSTEN CARBIDE BALL



硬质合金球广泛用于滚珠丝杠、惯性导航系统、精密件冲孔拉伸了、精密轴承、仪器、仪表、制笔、喷涂机、水泵、机械配件、密封阀、制动泵、冲挤孔、油田、硬度测量仪、高质量渔具、配重、精加工等等高端行业。

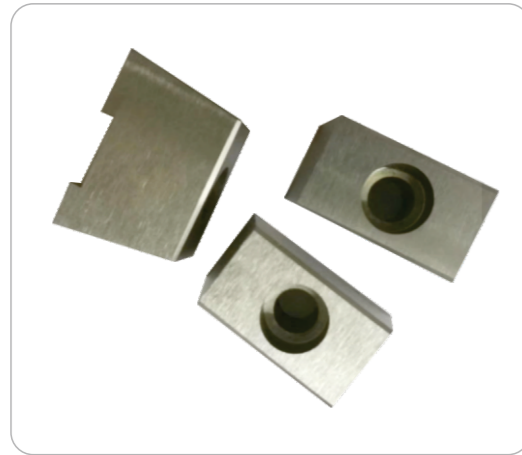


Carbide balls is widely used in many industries, such as: precision bearings, instruments, meters, pens, spraying machines, pumps, machinery parts, sealing valve, brake pump, squeeze-hole punch, oil, fishing gear, counterweight, decoration, finishing, manual switch, battery cars and other electrical contacts and other industries.

棒销 TUNGSTEN CARBIDE PEGS

硬质合金棒销又称钨钢棒钉，比普通合金钢耐磨十几倍，通常有焊接棒销，全合金棒销，棒块等。

Tungsten carbide pegs also call tungsten carbide pins, It 10 times wear- resistance and durability performance than normal steel. We have TC pegs with brazed taps, solid TC pegs and TC bar hammer.



以上尺寸仅供参考，可按照客户图纸或样品定做。

Above sizes are for reference only, can be customized according to the drawings or samples.

圆环 TUNGSTEN CARBIDE RING

硬质合金圆环种类繁多，有动静环，密封环，止推环等。广泛应用于石油，化工领域。

There are different tungsten carbide ring, dynamic ring, static ring, carbide seal ring, anti-thrust ring. It' s widely used in petrochemical industry.

外径/OD	内径/ID	厚度/T
Φ275	Φ256	8
Φ255	Φ235	8
Φ215	Φ199.2	10
Φ150	Φ134	8
Φ133	Φ118	15
Φ120	Φ100	10
	



研磨盘 TUNGSTEN CARBIDE DISC

硬质合金研磨盘主要用于盘式研磨仪

Tungsten carbide disc mainly use for disc grinder.



鄂板 TUNGSTEN CARBIDE JAW PLATE

使用寿命长 Long working life

提高生产效率 Increase productivity

降低生产成本 Reduce manufacturing cost

对破碎材料无污染 No pollution to crushed materials



TUNGSTEN
CARBIDE
JAW PLATE

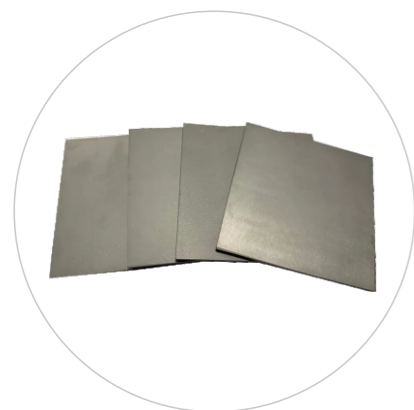
长条 TUNGSTEN CARBIDE STRIP

With the excellent wear-resistance and toughness of tungsten carbide, cemented carbide strips are widely used in VSI crusher, sand making machines, mining, cement, metallurgy and hydropower engineering industries.

硬质合金板材凭借硬质合金优异的耐磨性和韧性，广泛应用于VSI破碎机、制砂机、矿山、水泥、冶金、水电工程等行业。



板材 TUNGSTEN CARBIDE PLATE



high wear resistant, It's used for hard wood , processing original wood, barss rod, cast iron and aluminum section bar.

Suitable for the production of punches, electronic progressive dies and various types of motors.Offer different standard tungsten carbide proudcts.

高耐磨，用于硬木、原木、棒材、铸铁、铝型材的加工。适用于冲头、电子级进模及各类电机的生产。提供不同标准的碳化钨产品。

圆棒 TUNGSTEN CARBIDE ROD

硬质合金圆棒主要用于制作立铣刀， 铰刀， 丝锥以及PCB微钻等产品， 我们可提供细颗粒到超细颗粒的各种贵的圆棒。

Tungsten carbide rods is suitable to make end mills, reamers, taps & PCB tools. We can supply the carbide rod with fine and sub-micron grain size in different sizes.



喷嘴 喷盖 水刀喷嘴 TUNGSTEN CARBIDE NOZZLE



硬质合金喷嘴
Tungsten carbide nozzle



水刀喷嘴
Tungsten Water jet nozzle



硬质合金喷盖
Tungsten Carbide Swirl Chamber



水刀喷嘴
Tungsten Water jet nozzle

切削工具 CUTTING TOOLS



旋转锉
Carbide Burs



立铣刀
Endmill



圆锯片
Carbide Saw Blade



雕刻刀
Carbide Engrave Bit



木工刀片
Carbide Woodworking Insert



数控刀片
CNC insert



玻璃刀片
Glass Cutter



焊接刀片
Carbide Tips

非标异型 WEAR PART

硬质合金非标耐磨件广泛应用于金属切割，采矿，矿物和土木工程，农业，食品加工和纺织业等。

我们接受来图来样定制。

Tungsten carbide wear part widely use in metal-cutting, mineral and civil engineering, food processing, weaving, textiles and so on.

We can produce according to your drawings or samples.



导轮
Carbide Guide Wheel



刀片
Carbide Blade



十齿石材合金
Stone Concreting Bush Hammer



柱塞
Carbide Plunger



定刀
Carbide Blade



球座
Carbide Seat



拉伸膜
Carbide Die



冷镦模
Cold Heading Die



圆片
Carbide Disk