

株洲贝特硬质合金工具有限公司

ZHUZHOU BETTER TUNGSTEN CARBIDE CO.,LTD



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公司简介 About ZZbetter

株洲贝特硬质合金工具有限公司成立于中国硬质合金发源地，亚洲最大的硬质合金生产基地——湖南株洲。公司始终秉承“工匠”精神，专注于硬质合金硬质合金圆棒、硬质合金长条、硬质合金钻齿、硬质合金模具，及各种非标异形件的生产。我们生产的硬质合金具有高硬度、耐高温、耐腐蚀、高韧性等优点，满足客户不同工况条件下的使用要求。

专业资深的研发团队，为客户提供创新的产品和解决方案；通过与国内国际客户的密切合作，株洲贝特不断探索未来的产品和技术的发展趋势，研发新的材料和加工的解决方案。

专业高效的24小时销售客服，严谨细致的工作态度，保证了我们的产品在国际市场具有强大的竞争力，远销全球70多个国家和地区。

Zhuzhou Better Tungsten Carbide Co., Ltd. was founded in Zhuzhou, which is the birthplace of tungsten carbide in China and also the largest tungsten carbide production base in Asia. With the spirit of "craftsmanship", we specialize in the production of tungsten carbide tools and offer a one-stop service including purchasing, R&D, producing, sales, and after-sales.

ZZbetter produces a wide range of tungsten carbide products with various grades, including carbide rods, carbide strips, carbide buttons, carbide dies, and various non-standard shaped parts. ZZbetter tungsten carbide products are of high hardness, high temperature resistance, high corrosion resistance, and high toughness, which can meet the requirements of different working conditions.

ZZbetter has a professional and experienced R&D team. Cooperating closely with our customers, we keep learning and innovating, insisting on improving product performance, enriching product categories, and increasing customer satisfaction.

ZZbetter owns a skilled and knowledgeable sales team providing 24-hour online services. The advanced technical equipment and sincere working attitude ensure our products have strong competitiveness in the international market. Our tungsten carbide products are exported worldwide.

株洲贝特以高要求、严标准把控产品的细节与制造工序，实验室配备先进的各类仪器设备，严格依据ISO质量管理体系对各类产品的化学成分和物理性能进行检测，可达到国际同行先进检测水平。

面对复杂多变的世界，株洲贝特仍将不断探索硬质合金工具的更多可能，立志成为具有国际竞争力的世界一流企业。

Our laboratories are equipped with various advanced machines and equipment to control the details of each product and manufacturing process based on strict standards. The chemical compositions and physical performances are tested strictly according to the ISO Quality Management System.

Driven by the ambition to become a world-class company, ZZbetter is continuing to explore the possibilities of tungsten carbide tools. Zhuzhou Better Tungsten Carbide Company strives to be an industry leader.



生产设备

Production Equipment



Ball Milling Machine

湿磨机



Spray Drying Tower

喷雾塔



HIP Sintered Furnace

烧结炉

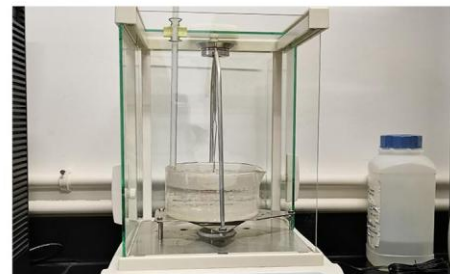


Shaping Machine

压制机

检测设备

Inspection Equipment



Density Tester

密度测试仪



Hardness Tester

硬度测试仪



Metallurgical Microscope

金相显微镜



Cobalt Magnetic Tester

钴磁测试仪

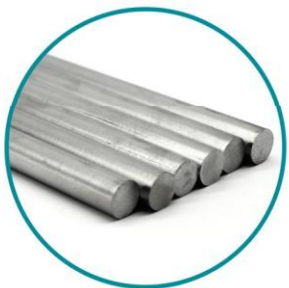
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硬质合金牌号 Carbide Grades

Grade Series	Grade	WC + Other (± 0.5%)	Co (± 0.5%)	Grain Size	Density (g/cm ³ ± 0.1)	Hardness (HRA ± 0.5)
General Grade	YG6	94	6	Medium	14.95	89.5
	YG6X	94	6	Fine	14.95	91.5
	YG8	92	8	Medium	14.75	89.0
	YL10.2	90	10	Fine	14.50	91.5
	YG11	89	11	Medium	14.40	88.5
	YG12A	88	12	Ultra Fine	14.12	92.5
	YG15	85	15	Medium	14.00	87.5
Mining & Oil Tool Parts	YG20	80	20	Medium	13.50	85.5
	YG6	94	6	Medium	14.95	89.5
	YG8	92	8	Medium	14.75	89.0
	YG8C	91.7	8.3	Coarse	14.70	88.5
	YG11C	88.5	11.5	Coarse	14.40	87.0
	YG13C	87	13	Coarse	14.20	86.5
	YG15	85	15	Medium	14.00	87.5
	YG15C	85	15	Coarse	14.00	86.5
	YK05	94	6	Coarse	14.90	90.5
	YK10	92	8	Coarse	14.70	88.8
Cutters	YK20	90	10	Coarse	14.50	87.2
	YK25	88	12	Coarse	14.50	87.5
	YG6A	91.5	8.5	Ultra Fine	14.90	92.0
	YG8	92	8	Medium	14.75	89.0
Impact Resistant Forging Tools	YL10.2	90	10	Fine	14.50	91.5
	YS2T	89.8	10.2	Fine	14.50	91.5
	YG11	89	11	Medium	14.40	88.5
	YG15	85	15	Medium	14.00	87.5
	YG20	80	20	Medium	13.50	85.5
	YG16C	84	16	Coarse	13.90	85.5
	YG18C	82.5	17.5	Coarse	13.70	84.5
	YG20C	79.5	20.5	Coarse	13.50	83.5
YG22C	77.5	22.5	Coarse	13.30	83	
YG25C	75	25	Coarse	13.10	82.5	

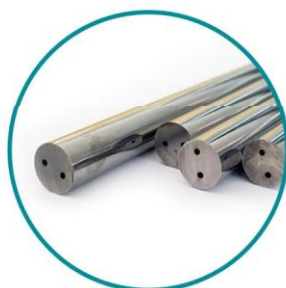
硬质合金棒材 Carbide Rods



实心棒
Solid Carbide Rods



单直孔棒
Rods with Central Coolant Hole



双直孔棒
Rods with Two Straight Coolant Holes



双螺旋孔棒
Rods with Two Helical Coolant Holes



公制精磨倒角短棒 (h5/h6)
Ground Carbide Rods with Chamfer-Metric

直径：0.3mm-50mm
Diameter: 0.3mm ~ 50mm

长度：最长1000mm
Length: Maximum 1000mm

硬度：89-94HRA
Hardness: 89 ~ 94HRA

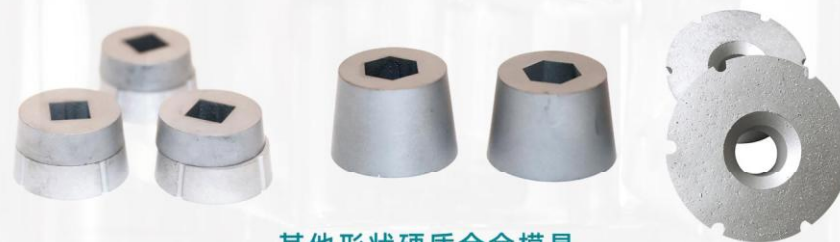
粒度：0.2um-0.8um
Grain size: 0.2um ~ 0.8um

硬质合金冷镦模 Carbide Heading Dies



常规尺寸 Standard Dimensions

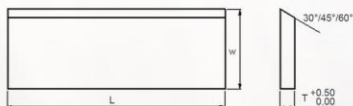
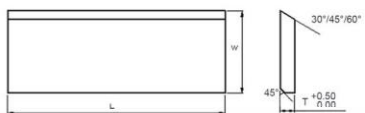
外径 OD (mm)	高度 L (mm)	内孔 ID (mm)
12	< 30	1 ~ 8
15	< 50	1 ~ 10
16	< 50	1 ~ 10
18	< 60	1 ~ 10
20	< 60	1 ~ 12
22	< 60	1 ~ 12
25	< 70	1 ~ 14
30	< 70	1 ~ 16
35	< 70	1 ~ 18
40	< 70	1 ~ 20
45	< 70	1 ~ 22
50	< 70	1 ~ 25
55	< 70	1 ~ 28
60	< 70	1 ~ 30



其他形状硬质合金模具
Other shapes of carbide dies

其他尺寸可定制
Accept customized sizes and shapes

硬质合金长条 Carbide Strips



常规尺寸 Standard Dimensions

宽度 W (mm)	厚度 T (mm)	长度 L (mm)
3.5 ~ 19	1 ~ W	100 ~ 320
20 ~ 32	1 ~ 30	100 ~ 1500
32 ~ 60	1 ~ 30	100 ~ 1500

公差 Tolerance (mm)

L	> 150	0 ~ +L*2%
W	W < 15	0 ~ +0.4
	15 ≤ W < 30	0 ~ +W*4%
	W ≥ 30	0 ~ +W*5%
T	T < 5	0 ~ +0.4
	5 ≤ T < 15	0 ~ +T*9%
	T ≥ 15	0 ~ +1.2

长度: 最长2300mm
Length: Maximum 2300mm

厚度: 最薄0.5mm
Thickness: Minimum 0.5mm

硬质合金板材 Carbide Plates



长 × 宽 (mm)	厚度 (mm)	长度公差 (mm)	宽度公差 (mm)	厚度公差 (mm)
L × W (mm)	H (mm)	Tol.of L (mm)	Tol.of W (mm)	Tol.of H (mm)
50 × 50	1.5 ~ 10	L × ±1.5%	W × ±2.5%	H × ±2.5%
100 × 100	2.5 ~ 60			
120 × 120				
150 × 150				
200 × 200				
300 × 200				

其他尺寸可定制
Accept customized sizes

硬质合金制钉模毛坯 Carbide Nail Die Blanks

The mass production of nail, rivet and screw requires high wear-resistant forming tools to achieve a long tool life. ZZbetter provides a series of tungsten carbide nail inserts and finished nail tools in high quality, such as tungsten carbide nail cutters, grippers, punches, etc.



Cylinder Nail Die Inserts
(Blasted or Ground)



Section Nail Die Inserts
(Blasted or Ground)



Carbide Nail Tool Inserts



Carbide Nail Cutter Inserts
(Blasted or Ground)

多种硬质合金牌号可供选择
Various carbide grades

接受定制设计
Accept custom design



Other Finished Nail Tools

硬质合金拉丝工具 Carbide Drawing Tools

ZZbetter supplies tungsten carbide drawing dies for the full range of wire drawing application: high-carbon wire, steel cord for rubber reinforcement, bead wire, welding wire, stainless wire, and spring wire.

We assist you in achieving the most effective performances by working together from the earliest stage of project planning through to start-up and after support of your operation.



Carbide Wire Drawing Dies



Carbide Rollers



Other Carbide Wire Tools

硬质合金地矿产品

Carbide Tips for Mine & Oil Tools



球齿
Carbide Buttons



钎片
Chisel Bits



柱钉
HPGR Studs

各种类型的硬质合金球齿、钻片和钎片

Various types of carbide buttons, insert, and bits

优质材料确保使用寿命长

Premium material to ensure a long work life

可定制尺寸

Customized sizes are available

硬质合金地矿产品

Carbide Tips for Mine & Oil Tools

球形齿 Carbide Spherical Button	锥形齿 Carbide Conical Button	抛物线形齿 Carbide Parabolic Button
楔形齿 Carbide Wedge Button	勺型齿 Carbide Spoon Button	平头齿 Carbide Flat Head Button
煤掘齿 Carbide Coal Button	煤掘齿 Carbide Coal Button	挖路齿 Carbide Road Tips
道路铣削齿 Carbide Road Tip	八角形齿 Carbide Octagonal Tip	分贝齿 Carbide Serrated Button
钎片 Carbide Chisel Bit	钻片 Carbide Mining Insert	柱钉 Carbide HPGR Stud

接受定制设计

Accept custom design

硬质合金旋转锉 Carbide Burr Blanks

Carbide Burr Blank	Carbide Burr	Type	Usage	Applications
		C型圆柱形球头 Cylindrical Ball Nose		C型旋转锉适用于加工工件的表面轮廓和圆弧轮廓 Type C carbide burr is suitable for machining surface profile and circular arc profile of workpiece.
		D型圆球形 Ball		D型旋转锉适用于加工圆弧轮廓，去除毛刺和焊前加工焊点 Type D carbide burr is suitable for machining circular arc profile, removing burrs and machining weld point before weld.
		E型椭圆形 Oval		E型旋转锉适用于加工工件的圆弧轮廓 Type E carbide burr is suitable for machining circular arc profile of workpiece.
		F型弧形圆头 Arch Ball Nose		F型旋转锉适用于加工窄圆弧轮廓 Type F carbide burr is suitable for machining circular arc profile of workpiece which in confined space.
		G型弧形尖头 Arch Pointed Nose		G型旋转锉适用于加工窄圆弧轮廓，加工锐角 Type G carbide burr is suitable for machining circular arc profile which in confined spaces and acute-angled profile of workpiece.
		H型火焰形 Flame		H型旋转锉适用于加工工件的圆弧轮廓 Type H carbide burr is suitable for machining circular arc profile of workpiece.
		J型圆锥形60° 60° Cone		J型旋转锉适用于加工60°倒角钻弧轮廓 Type J carbide burr is suitable for machining 60° counter boring arc chamfering of workpiece.
		K型圆锥形90° 90° Cone		K型旋转锉适用于加工工件的圆弧轮廓 Type K carbide burr is suitable for machining circular arc profile of workpiece.
		L型锥形球头 Conical Ball Nose		L型旋转锉适用于加工工件的窄轮廓和表面轮廓 Type L carbide burr is suitable for machining narrow profile and surface profile of workpiece.

优质的硬质合金材料
Superior tungsten carbide material

多种类型满足不同应用
Various types meet different applications

规格齐全
Full size to choose

专业品质
Professional quality

硬质合金刀具 Carbide Cutters



圆片刀
Disc Cutters



锯齿片
Saw Tips



木工刀片
Woodworking Blades



皮革刀
Carbide Knives

精密尺寸
Precision dimensions

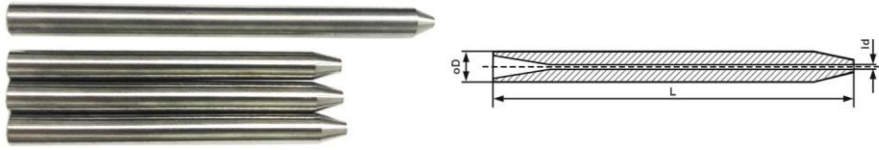
种类繁多
Various types

锋利的切削刃
Sharp cutting edges

可定制刀片
Customized blades are available

水刀

Water Jet Nozzles



外径 ϕD		内孔 ϕd		长度 L	
mm	Inch	mm	Inch	mm	Inch
6.00	.236	0.76	.030	76.2	3
6.00	.236	0.80	.031	70	2.756
6.00	.236	1.02	.040	70	2.756
6.00	.236	1.02	.040	76.2	3
6.35	.250	0.50	.019	76.2	3
6.35	.250	0.60	.023	76.2	3
6.35	.250	0.76	.030	50.8	2
6.35	.250	0.76	.030	76.2	3
6.35	.250	1.02	.040	50.8	2
6.35	.250	1.02	.040	76.2	3
6.35	.250	1.14	.044	76.2	3
6.35	.250	1.20	.047	76.2	3
6.35	.250	1.27	.050	76.2	3
6.69	.263	0.76	.030	76.2	3
6.69	.263	1.02	.040	76.2	3
6.70	.264	0.70	.028	70	2.756
6.70	.264	1.00	.039	70	2.756
7.14	.281	0.50	.019	76.2	3
7.14	.281	0.76	.030	76.2	3
7.14	.281	0.76	.030	101.6	4
7.14	.281	1.02	.040	76.2	3
7.14	.281	1.02	.040	101.6	4
7.14	.281	1.27	.050	76.2	3
7.62	.300	1.02	.040	76.2	3
7.62	.300	1.27	.050	76.2	3
7.97	.313	1.07	.042	101.6	4
7.97	.313	0.50	.019	101.6	4
7.97	.313	0.76	.030	101.6	4
9.43	.371	0.50	.019	76.2	3
9.43	.371	0.76	.030	76.2	3
9.43	.371	1.02	.042	76.2	3

可定制尺寸 Customized sizes are available

硬质合金异形件

Customized Carbide Products

With extensive experience and advanced facilities, ZZbetter can produce the carbide products in complex shapes. Those customized carbide parts are widely used in the oil & gas industry, chemical industry, automotive, medical equipment, food service, and other advanced manufacturing industries.

