



钴铂仕

**Cemented** *carbide rods*

硬质合金棒材



钴铂仕

株洲钴铂仕硬质合金有限公司



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# 公司介绍

株洲钴铂仕硬质合金工具有限公司是一家多年从事凿岩钎具和硬质合金制品的专业生产厂家,公司位于中国最大的硬质合金生产基地——株洲。公司拥有现代化的标准厂房、大批专业技术人员及先进的生产检测设备,同时聘请享受国务院特殊津贴的教授级高工多名为公司顾问,采用优质原料,为广大客户提供高品质合金产品、凿岩钻具和技术服务。

公司的主要生产两大类产品: 1. 钎具产品: 球齿螺纹钻头; 高、中、低风压潜孔钻头、冲击器; 偏心钻具; 各种盾构刀具; 各类截齿和各种农机配件、矿山工具; 2. 硬质合金制品: 硬质合金车铣削刀片、冷镦冷冲模、拉丝模毛坯和模具, 钨钢圆棒、板才、长条; 硬质合金粉末原料和钨制品、以及各种高难度非标异型制品。我公司产品畅销全国各地并已远销美国、欧盟、日本、香港、台湾、韩国、澳大利亚、越南、巴基斯坦等国家和地区。另外, 公司生产的凿岩钎具产品可以和阿特拉斯、山特维克、肯纳公司、维特根的主机配套, 产品广泛用于矿山、隧道、土石方工程、路桥工程、市政工程 and 农业机械等。

Zhuzhou Guboshi Cemented Carbide Tools Co., Ltd. is a professional enterprise engaged in manufacturing rock drilling and cemented carbide products with long history, and located in China's largest production base of hardmetal Zhuzhou city, Hunan province. We own up-to-date production line, advanced equipment, lots of technicians, high-quality raw materials, in order to provide our clients with high-quality Rock drilling tools, hardmetals and satisfactory services.

The company has two series of main products: A. Rock drilling tools , such as button threaded bits; high, medium and low air pressure DTH bits, hammer; eccentric drilling tools, a variety of shield tool; all kinds of round shank chisels and a variety of agricultural machinery parts, mining tools .B. Cemented carbides , such as cemented carbide turning and milling inserts, cold forging dies, carbide drawing nibs and dies, carbide rods, carbide bars , plates, powders as raw materials and tungsten products and so on . Our products are selling well in the domestic market and are exported to the United States, European Union , Japan, Hong Kong, Taiwan, Korea, Australia, Vietnam, Pakistan and other countries and regions with excellent reputation. What is more, the rock drilling bits are interchangeable with various products manufactured by Atlas Copco, Sandvik, Wirtgen, Kennametal Inc., etc, all our products are widely used in mining, tunneling, quarrying, road and bridge construction, power water project, municipal engineering and agricultural machinery etc.

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硬质合金棒材牌号，性能及推荐用途表

*Properties and applications of cemented carbide grades recommended rods.*

牌 号 GRADE		YL10.1	YL10.2
化学成分 Chemical composition	WC Co 其它 Others	93.5% 6% 0.5%	89.5% 10% 0.5%
物理数据 Physical data	密度 Density(g/cm <sup>3</sup> ) 硬度 Hardness(HV3) 抗弯强度 TRS(MPa)	14.88-15.04 1580±50 2500	14.4-14.55 1600±50 4000
孔隙度 Porosity	A类孔隙 A Porosity B类孔隙 B Porosity 非化合碳孔隙 C Porosity	A02 B02 C00	A02 B02 C00
结构 Structure	WC晶粒度 Grain size of WC	1.2 μm-1.7 μm	≤0.8 μm
推荐用途 Applications recommended		<p>适合于制作各种整体硬质合金刀具，用于加工耐热合金和钛合金等。也适合制造加工PCB的微钻。</p> <p>It is suitable for the manufacturing of various kinds of solid cemented carbide tools for the machining of heat-resistant alloys and Ti alloy, etc. It is also suitable for the manufacturing of micro-drills used for machining PCB.</p>	<p>适合制作各种整体硬质合金工具，加工耐热合金等，也可制作加工PCB的微钻</p> <p>It is suitable for making solid carbide tools for machining heat-resistant alloys and it can also be used for making micro drills for PCB .</p>

硬质合金棒材牌号，性能及推荐用途表

*Properties and applications of cemented carbide grades recommended rods.*



牌 号 GRADE		YL10.5	YL50
化学成分 Chemical composition	WC Co 其它 Other	89.7% 9.5% 0.8%	85% 15%
物理数据 Physical data	密度 Density(g/cm <sup>3</sup> ) 硬度 Hardness(HV3) 抗弯强度 TRS(MPa)	14.4-14.55 ≥1550±50 3800	13.86-14.10 1095 2060
孔隙度 Porosity	A类孔隙 A Porosity B类孔隙 B Porosity 非化合碳孔隙 C Porosity	A02 B00 C00	A02 B02 C02
结构 Structure	WC晶粒度 Grain size of WC	0.7 μm-0.9 μm	0.4 μm-0.6 μm
推荐用途 Applications recommended		适合制作各种整体硬质合金工具，加工耐热合金等，也可制作加工PCB的微钻 It is suitable for making solid carbide tools for machining heat-resistant alloys and it can also be used for making micro drills for PCB .	适合制作冲压用整体模具和工具。 It is suitable for making punching and impacting dies and tools



硬质合金棒材牌号，性能及推荐用途表

*Properties and applications of cemented carbide grades recommended rods.*

牌 号 GRADE		YU06	YU08
化学成分 Chemical composition	WC Co 其它 Others	93% 6% 1.0%	91% 8% 1%
物理数据 Physical data	密度 Density(g/cm <sup>3</sup> ) 硬度 Hardness(HV3) 抗弯强度 TRS(MPa)	14.70-14.80 ≥2050 3000	14.56-14.65 1900 4000
孔隙度 Porosity	A类孔隙 A Porosity B类孔隙 B Porosity 非化合碳孔隙 C Porosity	A02 B00 C00	A02 B00 C00
结构 Structure	WC晶粒度 Grain size of WC	0.2 μm-0.4 μm	0.2 μm-0.4 μm
推荐用途 Applications recommended		<p>适合制作加工PCB的铣刀；也适合制作加工玻璃纤维、木材、塑料、纸以及黄铜、铝合金等的各种整体硬质合金工具。</p> <p>It is suitable for the manufacturing of milling tips used for the machining of PCB. It is also suitable for the manufacturing of various kinds of solid cemented carbide tools for the machining of glass fiber, wood, plastics, paper and brass, Al alloy, etc.</p>	<p>适合制作加工PCB的φ0.8mm以下的微钻；也适合制作加工玻璃纤维、木材、塑料、纸以及黄铜、铝合金等的各种整体硬质合金工具。</p> <p>It is suitable for the manufacturing of micro-drills with diameter less than 0.8mm used for the machining of PCB, it is also suitable for the manufacturing of various kinds of solid cemented carbide tools for the machining of glass fiber, wood, plastics, paper and brass, Al alloy, etc.</p>



硬质合金棒材牌号，性能及推荐用途表

*Properties and applications of cemented carbide grades recommended rods.*

牌 号 GRADE		YU09	YU12
化学成分 Chemical composition	WC Co 其它 Others	89.8% 9% 1.2%	87% 12% 1.0%
物理数据 Physical data	密度 Density(g/cm <sup>3</sup> ) 硬度 Hardness(HV3) 抗弯强度 TRS(MPa)	14.36-14.50 ≥1950 3900	14.05-14.15 ≥1750 4000
孔隙度 Porosity	A类孔隙 A Porosity B类孔隙 B Porosity 非化合碳孔隙 C Porosity	A02 B00 C00	A02 B00 C00
结构 Structure	WC晶粒度 Grain size of WC	0.2 μ m-0.4 μ m	0.2 μ m-0.4 μ m
推荐用途 Applications recommended		<p>适合制作加工PCB的的微钻；也适合制作加工玻璃纤维、木材、塑料、纸以及黄铜、铝合金等的各种整体硬质合金工具。</p> <p>It is suitable for the manufacturing of micro-drills used for the machining of PCB. It is also suitable for the manufacturing of various kinds of solid cemented carbide tools for the machining of glass fiber, wood, plastics, paper and brass, Al alloy, etc.</p>	<p>适合制作加工耐腐、耐热钢、不锈钢、钛合金、有色金属的整体硬质合金工具。</p> <p>It is suitable for making solid cemented carbide tools for machining steels that are corrosion and heat resistant, stainless steel, titanium alloy, and non-ferrous metals.</p>



硬质合金棒材牌号，性能及推荐用途表

*Properties and applications of cemented carbide grades recommended rods.*

牌 号 GRADE		YF06	YF08
化学成分 Chemical composition	WC Co 其它 Others	93.5% 6% 0.5%	91.4% 8% 0.6%
物理数据 Physical data	密度 Density(g/cm <sup>3</sup> ) 硬度 Hardness(HV3) 抗弯强度 TRS(MPa)	14.86-14.96 ≥1800 3800	14.55-14.65 1800 3900
孔隙度 Porosity	A类孔隙 A Porosity B类孔隙 B Porosity 非化合碳孔隙 C Porosity	A02 B00 C00	A02 B00 C00
结构 Structure	WC晶粒度 Grain size of WC	0.4 μm-0.6 μm	0.4 μm-0.6 μm
推荐用途 Applications recommended		<p>适合制作加工PCBΦ3.2—6.3 mm的大直径钻头和Φ0.8—3.2钻头与铣刀，也适合制作加工铝合金、塑料、塑料王以及碳纤维等复合材料的各种整体硬质合金刀具。</p> <p>It is suitable for manufacturing drills of big diameters of 3.2-6.3 mm for machining PCB . drills of 0.8-3.2mm and mills, and it is also suitable for making solid carbide tools for machining aluminum alloy, plastic and compound materials, such as carbon fibre, etc.</p>	<p>适合制作加工PCB的微钻；也适合制作加工玻璃纤维、木材、塑料、纸以及黄铜、铝合金等的各种整体硬质合金工具。</p> <p>It is suitable for the manufacturing of micro-drills used for the machining of PCB. It is also suitable for the manufacturing of various kinds of solid cemented carbide tools for the machining of glass fiber, wood, plastics, paper and brass, Al alloy, etc.</p>



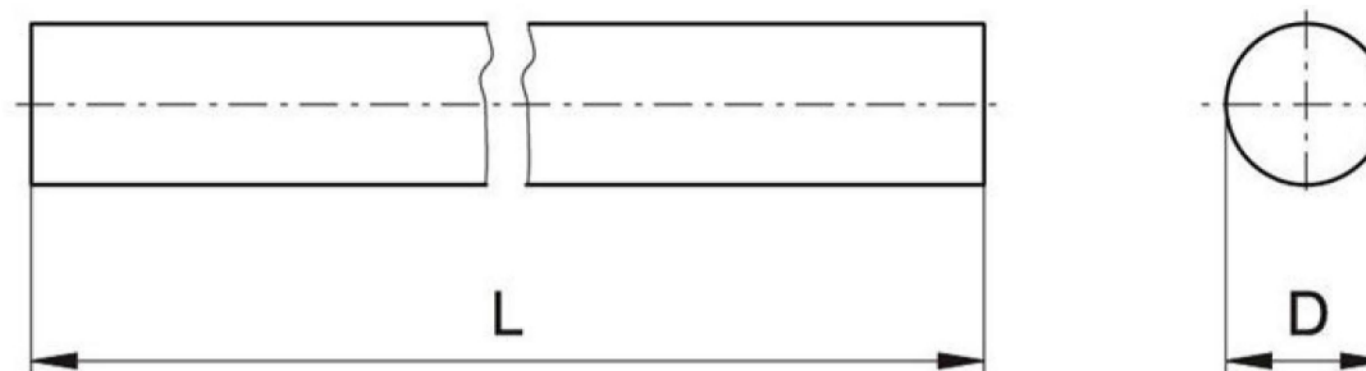


硬质合金棒材牌号，性能及推荐用途表

*Properties and applications of cemented carbide grades recommended rods.*

牌 号 GRADE		YG6X	YG8
化学成分 Chemical composition	WC Co 其它 Others	93.5% 6% 0.5%	92% 8%
物理数据 Physical data	密度 Density(g/cm <sup>3</sup> ) 硬度 Hardness(HRA) 抗弯强度 TRS(MPa)	14.80-15.10 ≥91 1560	14.6-14.9 89.5 1840
孔隙度 Porosity	A类孔隙 A Porosity B类孔隙 B Porosity 非化合碳孔隙 C Porosity	A04 B04 C02	A04 B04 C02
结构 Structure	WC晶粒度 Grain size of WC	≤1.0 μm	1.2 μm-1.6 μm
推荐用途 Applications recommended		适合制作各种硬质合金整体工具、耐磨零件。 It is suitable for making solid carbide tools and wear parts.	适合制作硬质合金芯棒及耐磨零件。 It is suitable for making carbide corepins and wear parts.

PCB工具用硬质合金棒材  
Cemented carbide rods for tools for PCB  
型号表示/ Type designations: B $\varnothing$ D $\times$ L



型号 TYPE	$\varnothing$ D Tol.	L Tol.
B $\varnothing$ 2.0 $\times$ 30	2.0	30.0 $\begin{smallmatrix} +0.15 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 3.25 $\times$ 38.5	3.25 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	38.5 $\begin{smallmatrix} +0.13 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 3.5 $\times$ 38.5	3.5 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	38.5 $\begin{smallmatrix} +0.13 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 4.0 $\times$ 38.5	4.0 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	38.5 $\begin{smallmatrix} +0.13 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 4.5 $\times$ 38.5	4.5 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	38.5 $\begin{smallmatrix} +0.13 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 5.0 $\times$ 38.5	5.0 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	38.5 $\begin{smallmatrix} +0.13 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 5.5 $\times$ 38.5	5.5 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	38.5 $\begin{smallmatrix} +0.13 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 6.0 $\times$ 38.5	6.0 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	38.5 $\begin{smallmatrix} +0.13 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 6.5 $\times$ 38.5	6.5 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	38.5 $\begin{smallmatrix} +0.13 \\ -0.20 \end{smallmatrix}$
B $\varnothing$ 3.5 $\times$ 12.8	3.5 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	12.8 $\pm$ 0.1

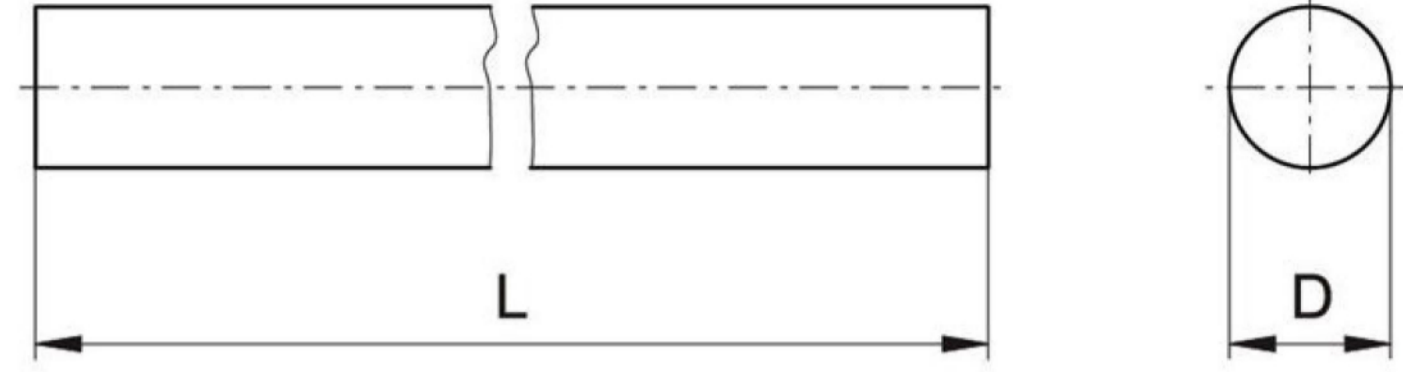
型号 TYPE	$\varnothing$ D Tol.	L Tol.
B $\varnothing$ 4.0 $\times$ 12.8	4.0 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	12.8 $\pm$ 0.1
B $\varnothing$ 4.5 $\times$ 12.8	4.5 $\begin{smallmatrix} +0.05 \\ 0 \end{smallmatrix}$	12.8 $\pm$ 0.1
B $\varnothing$ 5.0 $\times$ 12.8	5.0 $\begin{smallmatrix} +0.40 \\ -0.20 \end{smallmatrix}$	12.8 $\pm$ 0.1
B $\varnothing$ 5.5 $\times$ 12.8	5.5 $\begin{smallmatrix} +0.40 \\ -0.20 \end{smallmatrix}$	12.8 $\pm$ 0.1
B $\varnothing$ 5.85 $\times$ 12.8	5.85 $\begin{smallmatrix} +0.40 \\ -0.20 \end{smallmatrix}$	12.8 $\pm$ 0.1
B $\varnothing$ 6.0 $\times$ 12.8	6.0 $\begin{smallmatrix} +0.40 \\ -0.20 \end{smallmatrix}$	12.8 $\pm$ 0.1
B $\varnothing$ 6.5 $\times$ 12.8	6.5 $\begin{smallmatrix} +0.40 \\ -0.20 \end{smallmatrix}$	12.8 $\pm$ 0.1
B $\varnothing$ 6.85 $\times$ 12.8	6.85 $\begin{smallmatrix} +0.40 \\ -0.20 \end{smallmatrix}$	12.8 $\pm$ 0.1
B $\varnothing$ 7.15 $\times$ 12.8	7.15 $\begin{smallmatrix} +0.40 \\ -0.20 \end{smallmatrix}$	12.8 $\pm$ 0.1





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标准供货长度硬质合金棒材毛坯  
Cemented carbide rods of standard lengths  
型号表示/ Type designations: BØD×L

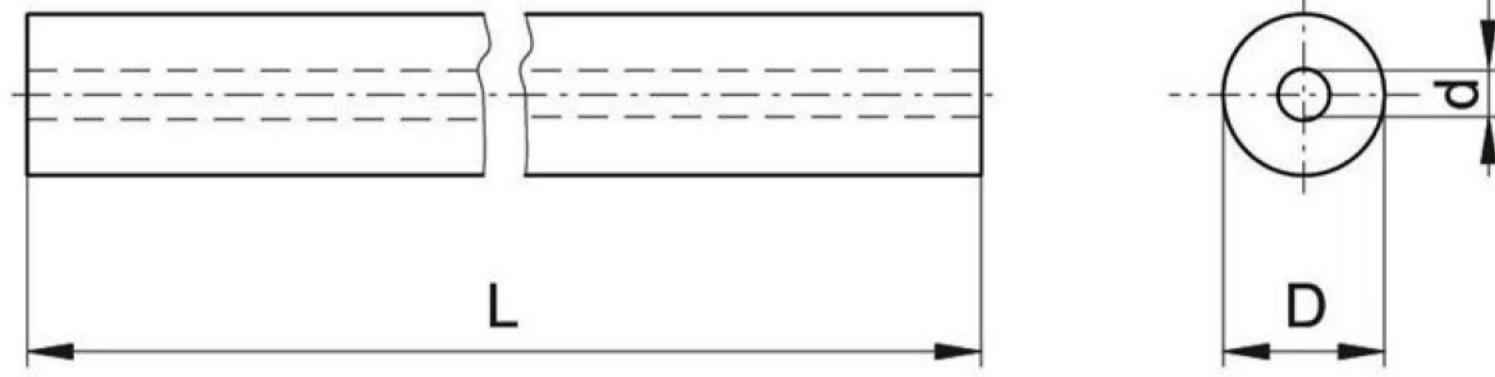


型号 TYPE	Ø D <sup>+0.35</sup> / <sub>+0.15</sub>	L <sup>+1.0</sup> / <sub>0</sub>
BØ0.5×330	0.5	330
BØ1.0×330	1.0	330
BØ1.2×330	1.2	330
BØ1.5×330	1.5	330
BØ1.6×330	1.6	330
BØ2.0×330	2.0	330
BØ2.3×330	2.3	330
BØ2.5×330	2.5	330
BØ3.0×330	3.0	330
BØ3.5×330	3.5	330
BØ4.0×330	4.0	330
BØ4.5×330	4.5	330
BØ5.0×330	5.0	330
BØ5.5×330	5.5	330
BØ6.0×330	6.0	330
BØ6.5×330	6.5	330
BØ7.0×330	7.0	330
BØ7.5×330	7.5	330
BØ8.0×330	8.0	330
BØ8.5×330	8.5	330
BØ9.0×330	9.0	330
BØ9.5×330	9.5	330
BØ10.0×330	10.0	330
BØ10.5×330	10.5	330
BØ11.0×330	11.0	330
BØ11.5×330	11.5	330
BØ12.0×330	12.0	330

型号 TYPE	Ø D <sup>+0.5</sup> / <sub>+0.2</sub>	L <sup>+1.0</sup> / <sub>0</sub>
BØ12.5×330	12.5	330
BØ13.0×330	13.0	330
BØ13.5×330	13.5	330
BØ14.0×330	14.0	330
BØ14.5×330	14.5	330
BØ15.0×330	15.0	330
BØ16.0×330	16.0	330
BØ17.0×330	17.0	330
BØ18.0×330	18.0	330
BØ19.0×330	19.0	330
BØ20.0×330	20.0	330
BØ21.0×330	21.0	330
BØ22.0×330	22.0	330
BØ23.0×330	23.0	330
BØ24.0×330	24.0	330
BØ25.0×330	25.0	330
BØ26.0×330	26.0	330
BØ27.0×330	27.0	330
BØ28.0×330	28.0	330
BØ29.0×330	29.0	330
BØ30.0×330	30.0	330
BØ31.0×330	31.0	330
BØ32.0×330	32.0	330
BØ33.0×330	33.0	330
BØ34.0×330	34.0	330
BØ35.0×330	35.0	330



单直孔硬质合金棒材  
Cemented carbide rods with one straight hole  
型号表示/ Type designations: B  $\varnothing$  D  $\times$   $\varnothing$  d  $\times$  L



型号 TYPE	D	$\varnothing$ d	L
B $\varnothing$ 2.3 $\times$ $\varnothing$ 0.2 $\times$ 330	2.3	0.2	330
B $\varnothing$ 3 $\times$ $\varnothing$ 0.2 $\times$ 330	3	0.2	330
B $\varnothing$ 3 $\times$ $\varnothing$ 0.3 $\times$ 330	3	0.3	330
B $\varnothing$ 3 $\times$ $\varnothing$ 0.4 $\times$ 330	3	0.4	330
B $\varnothing$ 3 $\times$ $\varnothing$ 0.5 $\times$ 330	3	0.5	330
B $\varnothing$ 3 $\times$ $\varnothing$ 0.6 $\times$ 330	3	0.6	330
B $\varnothing$ 3 $\times$ $\varnothing$ 0.7 $\times$ 330	3	0.7	330
B $\varnothing$ 3 $\times$ $\varnothing$ 1 $\times$ 330	3	1	330
B $\varnothing$ 3.5 $\times$ $\varnothing$ 0.2 $\times$ 330	3.5	0.2	330
B $\varnothing$ 3.5 $\times$ $\varnothing$ 0.3 $\times$ 330	3.5	0.3	330
B $\varnothing$ 3.5 $\times$ $\varnothing$ 0.4 $\times$ 330	3.5	0.4	330
B $\varnothing$ 3.5 $\times$ $\varnothing$ 0.5 $\times$ 330	3.5	0.5	330
B $\varnothing$ 3.5 $\times$ $\varnothing$ 0.6 $\times$ 330	3.5	0.6	330
B $\varnothing$ 4 $\times$ $\varnothing$ 0.5 $\times$ 330	4	0.5	330
B $\varnothing$ 4 $\times$ $\varnothing$ 0.8 $\times$ 330	4	0.8	330
B $\varnothing$ 4 $\times$ $\varnothing$ 1 $\times$ 330	4	1	330
B $\varnothing$ 4 $\times$ $\varnothing$ 1.5 $\times$ 330	4	1.5	330
B $\varnothing$ 4 $\times$ $\varnothing$ 2 $\times$ 330	4	2	330
B $\varnothing$ 4.5 $\times$ $\varnothing$ 0.5 $\times$ 330	4.5	0.5	330
B $\varnothing$ 4.5 $\times$ $\varnothing$ 1.5 $\times$ 330	4.5	1.5	330
B $\varnothing$ 5 $\times$ $\varnothing$ 0.5 $\times$ 330	5	0.5	330
B $\varnothing$ 5 $\times$ $\varnothing$ 1.5 $\times$ 330	5	1.5	330
B $\varnothing$ 5 $\times$ $\varnothing$ 2 $\times$ 330	5	2	330
B $\varnothing$ 5.5 $\times$ $\varnothing$ 1.5 $\times$ 330	5.5	1.5	330
B $\varnothing$ 6 $\times$ $\varnothing$ 0.5 $\times$ 330	6	0.5	330
B $\varnothing$ 6 $\times$ $\varnothing$ 0.7 $\times$ 330	6	0.7	330
B $\varnothing$ 6 $\times$ $\varnothing$ 1 $\times$ 330	6	1	330
B $\varnothing$ 6 $\times$ $\varnothing$ 1.5 $\times$ 330	6	1.5	330
B $\varnothing$ 6 $\times$ $\varnothing$ 3 $\times$ 330	6	3	330
B $\varnothing$ 6.5 $\times$ $\varnothing$ 1.5 $\times$ 330	6.5	1.5	330
B $\varnothing$ 7 $\times$ $\varnothing$ 1 $\times$ 330	7	1	330
B $\varnothing$ 7 $\times$ $\varnothing$ 1.5 $\times$ 330	7	1.5	330
B $\varnothing$ 7 $\times$ $\varnothing$ 2 $\times$ 330	7	2	330
B $\varnothing$ 7 $\times$ $\varnothing$ 3.3 $\times$ 330	7	3.3	330

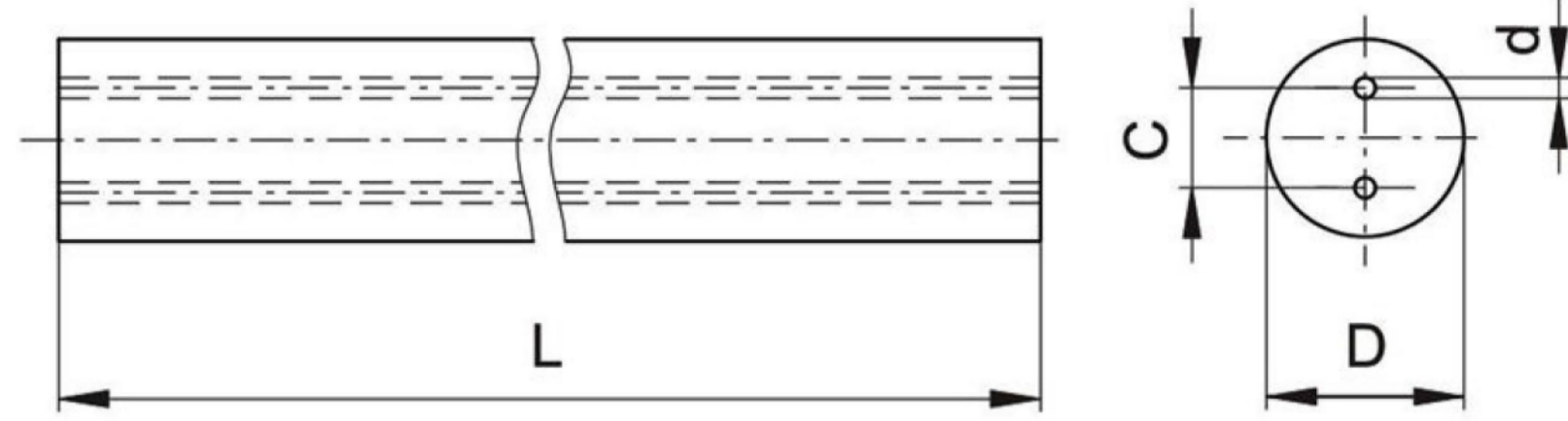


型号 TYPE	D	Ø d	L
BØ 7.5×Ø 1.5×330	7.5	1.5	330
BØ 8×Ø 1×330	8	1	330
BØ 8×Ø 1.5×330	8	1.5	330
BØ 8×Ø 2×330	8	2	330
BØ 8×Ø 3.8×330	8	3.8	330
BØ 8.5×Ø 1.5×330	8.5	1.5	330
BØ 9×Ø 1.5×330	9	1.5	330
BØ 10×Ø 1×330	10	1	330
BØ 10×Ø 1.5×330	10	1.5	330
BØ 10×Ø 3×330	10	3	330
BØ 10×Ø 4.5×330	10	4.5	330
BØ 12×Ø 1×330	12	1	330
BØ 12×Ø 2×330	12	2	330
BØ 12×Ø 5×330	12	5	330
BØ 12.5×Ø 1×330	12.5	1	330
BØ 14×Ø 2.5×330	14	2.5	330
BØ 14×Ø 5.8×330	14	5.8	330
BØ 15×Ø 7.7×330	15	7.7	330
BØ 16×Ø 3×330	16	3	330
BØ 16×Ø 6.7×330	16	6.7	330
BØ 18×Ø 3×330	18	3	330
BØ 18×Ø 7.7×330	18	7.7	330
BØ 20×Ø 3.5×330	20	3.5	330
BØ 20×Ø 8.7×330	20	8.7	330
BØ 22×Ø 9.7×330	22	9.7	330
BØ 24×Ø 11.7×330	24	11.7	330
BØ 25×Ø 5×330	25	5	330
BØ 26×Ø 12.7×330	26	12.7	330
BØ 30×Ø 5×330	30	5	330
BØ 32×Ø 5×330	32	5	330



钻铂仕

双直孔硬质合金棒材  
Cemented carbide rods with double straight holes  
型号表示/ Type designations:  $B\varnothing D \times \varnothing d \times C \times L$



型号 TYPE	D	$\varnothing d$	C	L
B $\varnothing$ 4 $\times$ $\varnothing$ 0.9 $\times$ 1.5 $\times$ 330	4	0.9	1.5	330
B $\varnothing$ 5 $\times$ $\varnothing$ 0.8 $\times$ 1.8 $\times$ 330	5	0.8	1.8	330
B $\varnothing$ 5 $\times$ $\varnothing$ 0.9 $\times$ 2 $\times$ 330	5	0.9	2	330
B $\varnothing$ 6 $\times$ $\varnothing$ 0.5 $\times$ 1.1 $\times$ 330	6	0.5	1.1	330
B $\varnothing$ 6 $\times$ $\varnothing$ 0.9 $\times$ 1.5 $\times$ 330	6	0.9	1.5	330
B $\varnothing$ 6 $\times$ $\varnothing$ 0.8 $\times$ 1.7 $\times$ 330	6	0.8	1.7	330
B $\varnothing$ 6 $\times$ $\varnothing$ 0.9 $\times$ 2 $\times$ 330	6	0.9	2	330
B $\varnothing$ 6 $\times$ $\varnothing$ 0.9 $\times$ 2.3 $\times$ 330	6	0.9	2.3	330
B $\varnothing$ 6 $\times$ $\varnothing$ 1.2 $\times$ 2.4 $\times$ 330	6	1.2	2.4	330
B $\varnothing$ 6 $\times$ $\varnothing$ 0.9 $\times$ 3 $\times$ 330	6	0.9	3	330
B $\varnothing$ 6 $\times$ $\varnothing$ 1.2 $\times$ 3 $\times$ 330	6	1.2	3	330
B $\varnothing$ 7 $\times$ $\varnothing$ 0.9 $\times$ 2 $\times$ 330	7	0.9	2	330
B $\varnothing$ 7 $\times$ $\varnothing$ 1.2 $\times$ 3 $\times$ 330	7	1.2	3	330
B $\varnothing$ 7 $\times$ $\varnothing$ 0.9 $\times$ 3.5 $\times$ 330	7	0.9	3.5	330
B $\varnothing$ 8 $\times$ $\varnothing$ 0.8 $\times$ 1.7 $\times$ 330	8	0.8	1.7	330
B $\varnothing$ 8 $\times$ $\varnothing$ 0.9 $\times$ 2 $\times$ 330	8	0.9	2	330
B $\varnothing$ 8 $\times$ $\varnothing$ 1.2 $\times$ 2.6 $\times$ 330	8	1.2	2.6	330
B $\varnothing$ 8 $\times$ $\varnothing$ 1.2 $\times$ 3 $\times$ 330	8	1.2	3	330
B $\varnothing$ 8 $\times$ $\varnothing$ 0.9 $\times$ 3.3 $\times$ 330	8	0.9	3.3	330
B $\varnothing$ 8 $\times$ $\varnothing$ 1.5 $\times$ 3.5 $\times$ 330	8	1.5	3.5	330
B $\varnothing$ 8 $\times$ $\varnothing$ 0.9 $\times$ 4 $\times$ 330	8	0.9	4	330
B $\varnothing$ 8 $\times$ $\varnothing$ 1.2 $\times$ 4 $\times$ 330	8	1.2	4	330
B $\varnothing$ 9 $\times$ $\varnothing$ 1.2 $\times$ 2.6 $\times$ 330	9	1.2	2.6	330
B $\varnothing$ 9 $\times$ $\varnothing$ 1.5 $\times$ 3.5 $\times$ 330	9	1.5	3.5	330
B $\varnothing$ 9 $\times$ $\varnothing$ 1.2 $\times$ 4 $\times$ 330	9	1.2	4	330
B $\varnothing$ 10 $\times$ $\varnothing$ 0.8 $\times$ 1.7 $\times$ 330	10	0.8	1.7	330
B $\varnothing$ 10 $\times$ $\varnothing$ 1.2 $\times$ 2.6 $\times$ 330	10	1.2	2.6	330
B $\varnothing$ 10 $\times$ $\varnothing$ 1.5 $\times$ 3.5 $\times$ 330	10	1.5	3.5	330
B $\varnothing$ 10 $\times$ $\varnothing$ 1.5 $\times$ 4 $\times$ 330	10	1.5	4	330
B $\varnothing$ 10 $\times$ $\varnothing$ 1.2 $\times$ 5 $\times$ 330	10	1.2	5	330
B $\varnothing$ 10 $\times$ $\varnothing$ 2 $\times$ 5 $\times$ 330	10	2	5	330
B $\varnothing$ 11 $\times$ $\varnothing$ 1.2 $\times$ 2.6 $\times$ 330	11	1.2	2.6	330
B $\varnothing$ 11 $\times$ $\varnothing$ 1.5 $\times$ 3.5 $\times$ 330	11	1.5	3.5	330
B $\varnothing$ 11 $\times$ $\varnothing$ 2 $\times$ 4.6 $\times$ 330	11	2	4.6	330



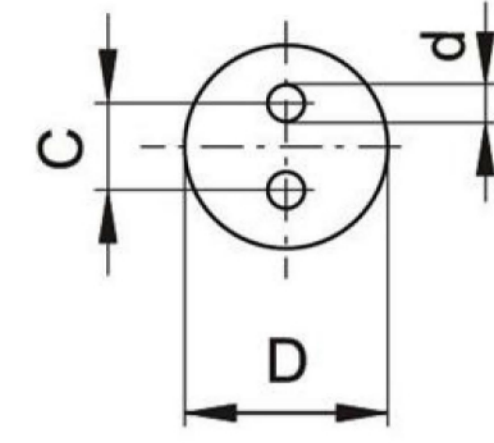
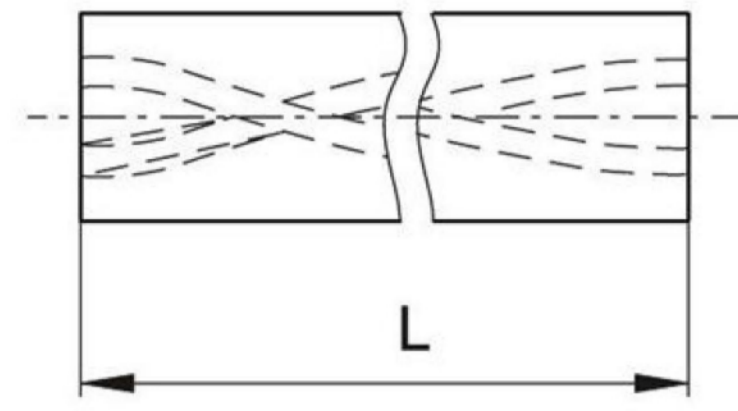
型号 TYPE	D	Ø d	C	L
BØ11×Ø1.2×5×330	11	1.2	5	330
BØ11×Ø2×5×330	11	2	5	330
BØ12×Ø0.9×3.5×330	12	0.9	3.5	330
BØ12×Ø1.5×3.5×330	12	1.5	3.5	330
BØ12×Ø1.5×4×330	12	1.5	4	330
BØ12×Ø2×4.4×330	12	2	4.4	330
BØ12×Ø2×5×330	12	2	5	330
BØ12×Ø1.5×6.2×330	12	1.5	6.2	330
BØ12×Ø2×6.2×330	12	2	6.2	330
BØ13×Ø1.5×3.5×330	13	1.5	3.5	330
BØ13×Ø2×5×330	13	2	5	330
BØ13×Ø1.5×6.2×330	13	1.5	6.2	330
BØ13×Ø2×6.2×330	13	2	6.2	330
BØ14×Ø0.9×2.6×330	14	0.9	2.6	330
BØ14×Ø1.5×3.5×330	14	1.5	3.5	330
BØ14×Ø2×5×330	14	2	5	330
BØ14×Ø1.5×7×330	14	1.5	7	330
BØ14×Ø2×7×330	14	2	7	330
BØ15×Ø1.5×3.5×330	15	1.5	3.5	330
BØ15×Ø2×5×330	15	2	5	330
BØ15×Ø2×6.2×330	15	2	6.2	330
BØ15×Ø2×7×330	15	2	7	330
BØ16×Ø1.5×3.5×330	16	1.5	3.5	330
BØ16×Ø2×5×330	16	2	5	330
BØ16×Ø2×6.2×330	16	2	6.2	330
BØ16×Ø2×8×330	16	2	8	330
BØ17×Ø2×6.2×330	17	2	6.2	330
BØ17×Ø2×8×330	17	2	8	330
BØ18×Ø2×5×330	18	2	5	330
BØ18×Ø2×6.2×330	18	2	6.2	330
BØ18×Ø2.5×7×330	18	2.5	7	330
BØ18×Ø2×9×330	18	2	9	330
BØ19×Ø2×5×330	19	2	5	330
BØ19×Ø2×6.2×330	19	2	6.2	330
BØ19×Ø2×9×330	19	2	9	330
BØ20×Ø1.5×3.5×330	20	1.5	3.5	330
BØ20×Ø2×6.2×330	20	2	6.2	330
BØ20×Ø2.5×7×330	20	2.5	7	330
BØ20×Ø2.5×10×330	20	2.5	10	330
BØ21×Ø2×6.2×330	21	2	6.2	330

型号 TYPE	D	Ø d	C	L
BØ21×Ø2.5×10×330	21	2.5	10	330
BØ22×Ø2×7×330	22	2	7	330
BØ22×Ø2.5×7×330	22	2.5	7	330
BØ22×Ø2.5×11×330	22	2.5	11	330
BØ23×Ø2.5×7×330	23	2.5	7	330
BØ23×Ø2.5×11×330	23	2.5	11	330
BØ24×Ø2×6.2×330	24	2	6.2	330
BØ24×Ø2.5×7×330	24	2.5	7	330
BØ24×Ø3×12×330	24	3	12	330
BØ25×Ø2.5×8×330	25	2.5	8	330
BØ25×Ø3×12×330	25	3	12	330
BØ26×Ø3×12×330	26	3	12	330
BØ26×Ø3×13×330	26	3	13	330
BØ28×Ø2×10×330	28	2	10	330
BØ28×Ø3×13×330	28	3	13	330
BØ30×Ø3×13×330	30	3	13	330





双螺旋孔硬质合金棒材  
 Cemented carbide rods with double spiral holes  
 型号表示/ Type designations:  
 $B\varnothing D \times \varnothing d \times C \times L - 2\alpha$   
 (2表示双螺旋孔;  $\alpha$ 为螺旋角)

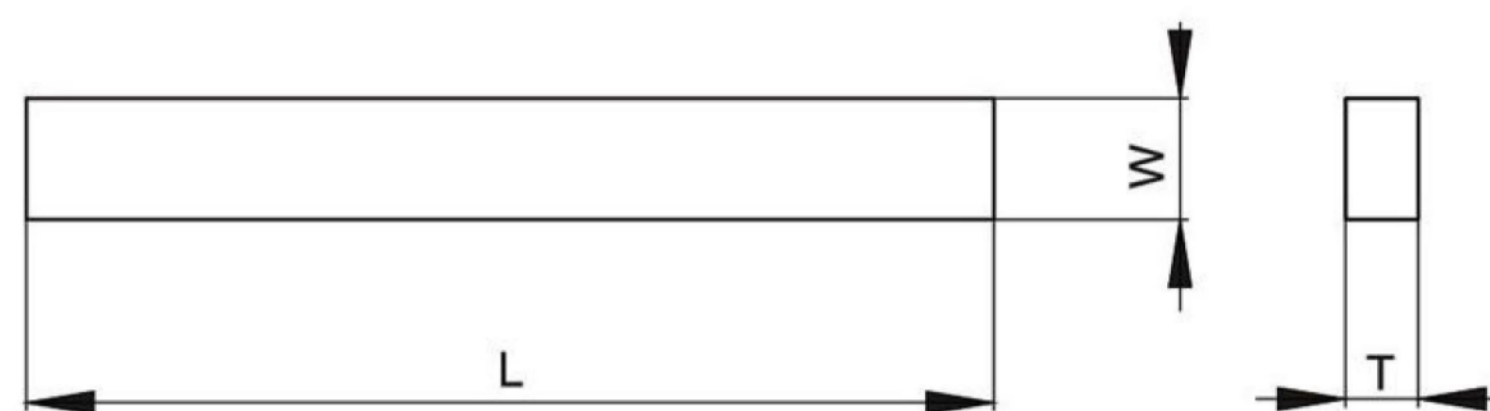


型号 TYPE	D	$\varnothing d$	C	L	$\alpha$
B $\varnothing 3 \times \varnothing 0.4 \times 1.7 \times 330 - 230$	3	0.4	1.7	330	30
B $\varnothing 3.5 \times \varnothing 1.5 \times 1.8 \times 330 - 230$	3.5	1.5	1.8	330	30
B $\varnothing 4 \times \varnothing 0.6 \times 2.2 \times 330 - 230$	4	0.6	2.2	330	30
B $\varnothing 4.5 \times \varnothing 0.7 \times 2.4 \times 330 - 230$	4.5	0.7	2.4	330	30
B $\varnothing 5 \times \varnothing 0.7 \times 2.6 \times 330 - 230$	5	0.7	2.6	330	30
B $\varnothing 5.5 \times \varnothing 0.7 \times 2.6 \times 330 - 230$	5.5	0.7	2.6	330	30
B $\varnothing 6 \times \varnothing 0.7 \times 2.6 \times 330 - 230$	6	0.7	2.6	330	30
B $\varnothing 6.5 \times \varnothing 1 \times 3.5 \times 330 - 230$	6.5	1.0	3.5	330	30
B $\varnothing 7 \times \varnothing 1 \times 3.7 \times 330 - 230$	7	1.0	3.7	330	30
B $\varnothing 7.5 \times \varnothing 1 \times 4 \times 330 - 230$	7.5	1.0	4.0	330	30
B $\varnothing 8 \times \varnothing 1 \times 4 \times 330 - 230$	8	1.0	4.0	330	30
B $\varnothing 8.5 \times \varnothing 1 \times 4.5 \times 330 - 230$	8.5	1.0	4.5	330	30
B $\varnothing 9 \times \varnothing 1.4 \times 4.8 \times 330 - 230$	9	1.4	4.8	330	30
B $\varnothing 9.5 \times \varnothing 1.4 \times 4.8 \times 330 - 230$	9.5	1.4	4.8	330	30
B $\varnothing 10 \times \varnothing 1.4 \times 4.8 \times 330 - 230$	10	1.4	4.8	330	30
B $\varnothing 10.5 \times \varnothing 1.4 \times 4.8 \times 330 - 230$	10.5	1.4	4.8	330	30
B $\varnothing 11 \times \varnothing 1.4 \times 5.3 \times 330 - 230$	11	1.4	5.3	330	30
B $\varnothing 11.5 \times \varnothing 1.4 \times 5.8 \times 330 - 230$	11.5	1.4	5.8	330	30
B $\varnothing 12 \times \varnothing 1.4 \times 6.25 \times 330 - 230$	12	1.4	6.25	330	30
B $\varnothing 12.5 \times \varnothing 1.75 \times 6.25 \times 330 - 230$	12.5	1.75	6.25	330	30
B $\varnothing 13 \times \varnothing 1.75 \times 6.5 \times 330 - 230$	13	1.75	6.5	330	30
B $\varnothing 13.5 \times \varnothing 1.75 \times 6.8 \times 330 - 230$	13.5	1.75	6.5	330	30
B $\varnothing 14 \times \varnothing 1.75 \times 7.1 \times 330 - 230$	14	1.75	7.1	330	30
B $\varnothing 14.5 \times \varnothing 1.75 \times 7.4 \times 330 - 230$	14.5	1.75	7.4	330	30
B $\varnothing 15 \times \varnothing 1.75 \times 7.7 \times 330 - 230$	15	1.75	7.7	330	30
B $\varnothing 15.5 \times \varnothing 1.75 \times 8 \times 330 - 230$	15.5	1.75	8.0	330	30
B $\varnothing 16 \times \varnothing 1.75 \times 8.3 \times 330 - 230$	16	1.75	8.3	330	30
B $\varnothing 16.5 \times \varnothing 1.75 \times 8.6 \times 330 - 230$	16.5	1.75	8.6	330	30
B $\varnothing 17 \times \varnothing 1.75 \times 8.9 \times 330 - 230$	17	1.75	8.9	330	30
B $\varnothing 17.5 \times \varnothing 1.75 \times 9.2 \times 330 - 230$	17.5	1.75	9.2	330	30
B $\varnothing 18 \times \varnothing 2 \times 9.55 \times 330 - 230$	18	2	9.55	330	30
B $\varnothing 18.5 \times \varnothing 2 \times 9.75 \times 330 - 230$	18.5	2	9.75	330	30
B $\varnothing 19 \times \varnothing 2 \times 10.1 \times 330 - 230$	19	2	10.1	330	30
B $\varnothing 20 \times \varnothing 2 \times 10.4 \times 330 - 230$	20	2	10.4	330	30
B $\varnothing 21 \times \varnothing 2 \times 11.15 \times 330 - 230$	21	2	11.15	330	30
B $\varnothing 22 \times \varnothing 2 \times 11.6 \times 330 - 230$	22	2	11.6	330	30



型号 TYPE	D	∅ d	C	L	α
B∅23×∅2×12.2×330-230	23	2	12.2	330	30
B∅24×∅2×12.8×330-230	24	2	12.8	330	30
B∅25×∅2×13.3×330-230	25	2	13.3	330	30
B∅26×∅2×13.8×330-230	26	2	13.8	330	30
B∅6×∅0.5×2.2×330-240	6	0.5	2.2	330	40
B∅6.5×∅0.5×2.3×330-240	6.5	0.5	2.3	330	40
B∅7×∅0.65×2.4×330-240	7	0.65	2.4	330	40
B∅7.5×∅0.65×2.5×330-240	7.5	0.65	2.5	330	40
B∅8×∅0.65×2.7×330-240	8	0.65	2.7	330	40
B∅8.5×∅0.65×2.9×330-240	8.5	0.65	2.9	330	40
B∅9×∅0.75×3.2×330-240	9	0.75	3.2	330	40
B∅9.5×∅0.75×3.5×330-240	9.5	0.75	3.5	330	40
B∅10×∅0.8×3.5×330-240	10	0.8	3.5	330	40
B∅10.5×∅0.8×3.5×330-240	10.5	0.8	3.5	330	40
B∅11×∅0.8×3.7×330-240	11	0.8	3.7	330	40
B∅11.5×∅0.85×4×330-240	11.5	0.85	4.0	330	40
B∅12×∅0.9×4.2×330-240	12	0.9	4.2	330	40
B∅12.5×∅0.9×4.35×330-240	12.5	0.9	4.35	330	40
B∅13×∅0.9×4.4×330-240	13	0.9	4.4	330	40
B∅13.5×∅1×4.5×330-240	13.5	1.0	4.5	330	40
B∅14×∅1×4.7×330-240	14	1.0	4.7	330	40
B∅14.5×∅1.1×4.9×330-240	14.5	1.1	4.9	330	40
B∅15×∅1.1×5.1×330-240	15	1.1	5.1	330	40
B∅15.5×∅1.1×5.3×330-240	15.5	1.1	5.3	330	40
B∅16×∅1.2×5.5×330-240	16	1.2	5.5	330	40
B∅16.5×∅1.2×5.75×330-240	16.5	1.2	5.75	330	40
B∅17×∅1.2×5.9×330-240	17	1.2	5.9	330	40
B∅17.5×∅1.3×6.1×330-240	17.5	1.3	6.1	330	40
B∅18×∅1.4×6.3×330-240	18	1.4	6.3	330	40
B∅18.5×∅1.4×6.5×330-240	18.5	1.4	6.5	330	40
B∅19×∅1.4×6.7×330-240	19	1.4	6.7	330	40
B∅19.5×∅1.5×6.9×330-240	19.5	1.5	6.9	330	40
B∅20×∅1.5×7.1×330-240	20	1.5	7.1	330	40
B∅21×∅1.5×7.4×330-240	21	1.5	7.4	330	40
B∅22×∅1.7×7.7×330-240	22	1.7	7.7	330	40
B∅24×∅1.75×8×330-240	24	1.75	8.0	330	40
B∅25×∅1.75×8.1×330-240	25	1.75	8.1	330	40
B∅26×∅1.75×8.2×330-240	26	1.75	8.2	330	40
B∅28×∅2×9×330-240	28	2	9.0	330	40
B∅30×∅2×10×330-240	30	2	10	330	40
B∅32×∅2×11×330-240	32	2	11	330	40

矩形硬质合金板条产品  
 Cemented carbide strips  
 型号表示/ Type designations: **T×W×L**



型号 TYPE	T <sup>+0.5</sup> +0.2	W <sup>+0.6</sup> +0.3	L <sup>+1.0</sup> 0
1X1X330	1	1	330
1X3X330	1	3	330
1X4X330	1	4	330
1.5X2X330	1.5	2	330
1.5X3X330	1.5	3	330
1.5X4X330	1.5	4	330
1.5X5X330	1.5	5	330
1.5X6X330	1.5	6	330
1.5X8X330	1.5	8	330
1.5X10X330	1.5	10	330
1.8X4X330	1.8	4	330
2X2X330	2	2	330
2X3X330	2	3	330
2X4X330	2	4	330
2X5X330	2	5	330
2X6X330	2	6	330
2X7X330	2	7	330
2X8X330	2	8	330
2X10X330	2	10	330
2X12X330	2	12	330
2X13X330	2	13	330
2X14X330	2	14	330
2X15X330	2	15	330
2X16X330	2	16	330
2X18X330	2	18	330
2X19X330	2	19	330
2X20X330	2	20	330
2X25X330	2	25	330
2.9X5.8X330	2.9	5.8	330

型号 TYPE	T $\begin{matrix} +0.5 \\ +0.2 \end{matrix}$	W $\begin{matrix} +0.6 \\ +0.3 \end{matrix}$	L $\begin{matrix} +1.0 \\ 0 \end{matrix}$
3X3X330	3	3	330
3X3.6X330	3	3.6	330
3X4X330	3	4	330
3X5X330	3	5	330
3X6X330	3	6	330
3X7X330	3	7	330
3X8X330	3	8	330
3X9X330	3	9	330
3X10X330	3	10	330
3X12X330	3	12	330
3X13X330	3	13	330
3X14X330	3	14	330
3X15X330	3	15	330
3X16X330	3	16	330
3X18X330	3	18	330
3X19X330	3	19	330
3X20X330	3	20	330
3X25X330	3	25	330
3X30X330	3	30	330
3X32X330	3	32	330
3.5X11X330	3.5	11	330
3.6X6X330	3.6	6	330
4X4X330	4	4	330
4X5X330	4	5	330
4X6X330	4	6	330
4X6.8X330	4	6.8	330
4X8X330	4	8	330
4X10X330	4	10	330
4X12X330	4	12	330
4X13X330	4	13	330
4X14X330	4	14	330
4X15X330	4	15	330
4X16X330	4	16	330
4X18X330	4	18	330
4X20X330	4	20	330
4X22X330	4	22	330
4X25X330	4	25	330
4X30X330	4	30	330
4X35X330	4	35	330
5X5X330	5	5	330
5X8X330	5	8	330
5X10X330	5	10	330



型号 TYPE	T <sup>+0.5</sup> / <sub>+0.2</sub>	W <sup>+0.6</sup> / <sub>+0.3</sub>	L <sup>+1.0</sup> / <sub>0</sub>
5X13X330	5	13	330
5X15X330	5	15	330
5X16X330	5	16	330
5X18X330	5	18	330
5X20X330	5	20	330
5X22X330	5	22	330
5X25X330	5	25	330
5X30X330	5	30	330
5X35X330	5	35	330
6X6X330	6	6	330
6X10X330	6	10	330
6X16X330	6	16	330
6X20X330	6	20	330
6X25X330	6	25	330
6X30X330	6	30	330
6X35X330	6	35	330
7X7X330	7	7	330
8X8X330	8	8	330
10X10X330	10	10	330
12X12X330	12	12	330
14X14X330	14	14	330

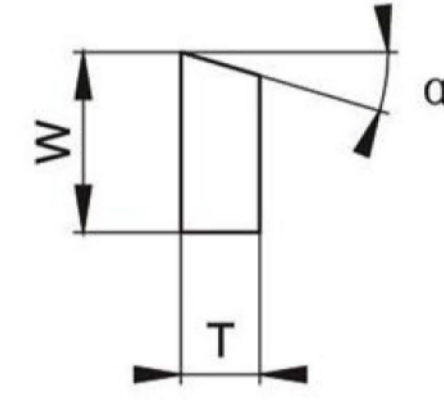
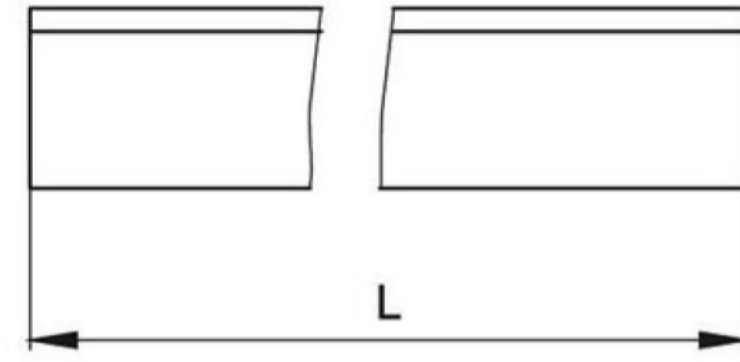


钻铂仕

带角度硬质合金板条产品

Cemented carbide strips with angles

型号表示/ Type designations:  $T \times W \times L - \alpha$



型号 TYPE	T $\begin{matrix} +0.5 \\ +0.2 \end{matrix}$	W $\begin{matrix} +0.6 \\ +0.3 \end{matrix}$	L $\begin{matrix} +1.0 \\ 0 \end{matrix}$	$\alpha^\circ \pm 1^\circ$
2.5X3.9X330—8	2.5	3.9	330	8
2.6X4X330—12	2.6	4	330	12
3X4.5X330—8	3	4.5	330	8
3X4.9X330—8	3	4.9	330	8
3.1X5X330—10	3.1	5	330	10
3.6X6X330—8	3.6	6	330	8
5X7X330—8	5	7	330	8