

GLOBORX
钴铂仕

Special
cemented carbide products

硬质合金异型制品



株洲钴铂仕硬质合金有限公司



GLOBORX
钴铂仕

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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牌号物理力学性能及用途推荐











































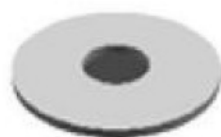
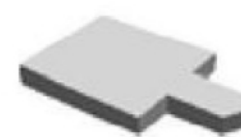


Physical and mechanical properties of grades and applications recommended

牌号 Grade	物理机械性能 Physical & mechanical properties			推荐用途 Applications recommended
首选牌号 Premium grade	密度 Density g/cm ³	硬度 Hardness HRA	抗弯强度 TRS N/mm ²	
YG6	14.7-15.1	≥89.5	≥1670	<p>适于铸铁，有色金属及其合金与非金属材料的半精车、精车，小断面精车，粗车螺纹、旋风车丝，连续断面的半精铣与精铣，以及扩孔等。</p> <p>It is suitable for the semi-finishing and finishing of nonferrous metals and nonmetallic materials, for finishing of small sections, roughing of threads, and semi-finishing milling and finishing milling of continuous sections and for broaching, etc.</p>
YG6X	14.8-15.1	≥91.0	≥1560	<p>该合金加工冷硬合金铸铁与耐热合金，可获得良好效果，适于普通铸铁的精加工。</p> <p>This cemented carbide is suitable for machining chilled alloy cast iron and heat resistant alloys with good results. It is suitable for the finishing of normal cast iron.</p>
YG6A	14.7-15.1	≥91.5	≥1510	<p>适于硬铸铁，有色金属及其合金的半精加工，亦适于高锰钢等工件的半精加工及精加工。</p> <p>It is suitable for the semi-finishing of hard cast iron, nonferrous metals and its alloys and it is also suitable for the semi-finishing and finishing of parts of high manganese steel.</p>
YG8	14.6-14.9	≥89.0	≥1840	<p>适于铸铁，有色金属及其合金与非金属材料不平整表面和间断切削时的粗车、粗刨、粗铣，一般孔和深孔的钻孔、扩孔。</p> <p>It is suitable for the intermittent rough turning, planing, and milling of uneven surfaces of non-ferrous metals and nonmetallic materials. And it is also used for drilling of normal holes and depth holes and for broaching.</p>
YG8C	14.5-14.9	≥87.5	≥2000	<p>适于镶制冲击回转凿岩和旋转冲击凿岩钎头、钻凿f=14以下的中硬、坚硬岩层，含有坚硬夹石煤层切割用的截煤机齿；油井钻头；凿进坚硬的冲击式钻头，高硬度石料加工等。</p> <p>It is suitable for making rotary percussive drill bits for drilling medium hard and hard rock formation of f=14 and below and auger bits for drilling mining layer overlaid with hard rocks. It is also for making oil drill bits and for percussive drill bits for drilling hard and cutting super hard stones.</p>

牌号物理力学性能及用途推荐

Physical and mechanical properties of grades and applications recommended

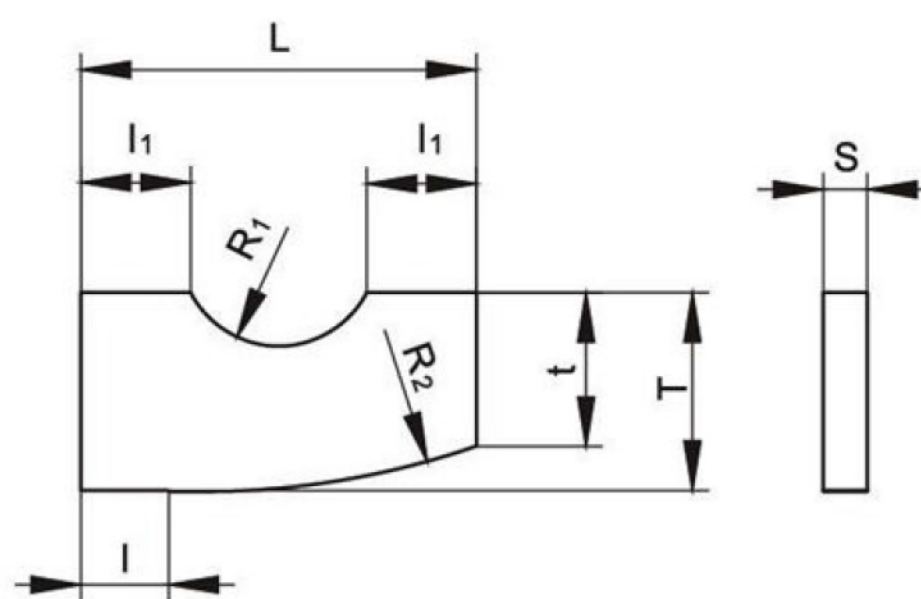
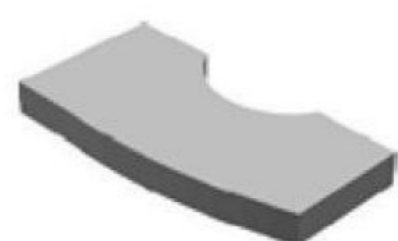
牌号 Grade	物理机械性能 Physical & mechanical properties			推荐用途 Applications recommended
首选牌号 Premium grade	密度 Density g/cm ³	硬度 Hardness HRA	抗弯强度 TRS N/mm ²	
YG11C	14.1-14.5	≥86.5	≥2260	适于镶制重型凿岩机凿坚硬岩层的片状或柱齿钎头；各类牙轮钻头；也适于镶制建筑安装工程用石壁、混凝土钻孔头。 It is suitable for making drill bits with mining tips or buttons for heavy duty drilling machines for drilling hard rock formations, various tricone bits. It is also suitable for making drills for drilling stone walls and cement in construction and installation projects.
YG11-N	14.35-14.6	≥87.5	≥2650	适于镶制刮雪片，冲击回转凿岩钎头和旋转冲击凿岩钎头、钻凿中硬和坚硬岩层。 It is suitable for making snow ploughs, percussive rotary rock drilling drill bits for drilling medium hard and hard rock formations.
YL10.2	14.40-14.55	≥90.9	≥1610	具有很高的抗弯强度和良好的耐磨性能，适用于低速粗车和铣削耐热合金、钛合金，也可加工玻璃钢。 With very high TRS and good wear resistance, it is suitable for the low speed roughing and milling of heat resistant alloys, titanium alloys and also for machining fibre reinforced plastics.
YS2T	14.3-14.6	≥91.5	≥1960	适于低速粗车、铣削耐热合金及钛合金，作切断刀及丝锥尤佳。 It is suitable for low speed roughing and milling of heat resistant alloys and titanium alloys and it is optimum for making parting inserts and screwed taps.
YS25	12.8-13.2	≥90.5	≥1780	适用于钢、铸钢的精加工和半精加工，宜采用中等进给量，YS25专用于钢、铸钢的铣削加工。 Suitable for the finishing and semifinishing of steel and cast steel and also for the milling of steel and cast steel YS25 is specially used for the milling of steel and cast steel.

木工刀具用硬质合金 <i>Cemented carbide for wood working tools</i>									
成形刀毛坯 <i>Blanks for forming tools</i>									
									
A 型 Type A	B 型 Type B	C 型 Type C	D 型 Type D	E 型 Type E	F 型 Type F	G 型 Type G	H 型 Type H	J 型 Type J	K 型 Type K
P1	P1	P2	P2	P3	P3	P4	P4	P5	P5
									
L 型 Type L	M 型 Type M	N 型 Type N	O 型 Type O	P 型 Type P	Q 型 Type Q	R 型 Type R	S 型 Type S	T 型 Type T	U 型 Type U
P5	P6	P6	P6	P7	P7	P7	P8	P8	P8
									
V 型 Type V	W 型 Type W	X 型 Type X	Y 型 Type Y	Z 型 Type Z					
P9	P9	P9	P10	P10					
铰孔刀毛坯 <i>Reaming tip blanks</i>									
									
A 型 Type A	B 型 Type B	C 型 Type C							
P11	P11	P12							
锯齿片毛坯 <i>Blanks for sawtips</i>									
									
A 型 Type A	B 型 Type B	C 型 Type C	D 型 Type D	E 型 Type E					
P13	P13	P14	P14	P14					
牙签刀毛坯 <i>Tip blanks for tooth-pickers</i>									
									
A 型 Type A	B 型 Type B	C 型 Type C	D 型 Type D						
P15	P15	P15	P15						
板材毛坯 <i>Strip blanks</i>									
									
P16									
冲击钻片毛坯 <i>Blank for percussive drill tip</i>									
									
A 型 Type A	B 型 Type B								
P19	P20								
切削刀具用硬质合金 <i>Cemented carbide for cutting tools</i>									
汽门铣刀毛坯 <i>Milling insert blanks for turning air valves</i>			锯片铣刀毛坯 <i>Blanks for saw blades</i>			保孔刀毛坯 <i>Blank for hole fixation</i>		螺旋铣刀毛坯 <i>Blanks of spiral milling inserts</i>	
									
A 型 Type A	B 型 Type B	P22			A 型 Type A	B 型 Type B	P25		
P21	P21	P22			P24	P24	P25		

成形刀具毛坯

Blanks for forming tools

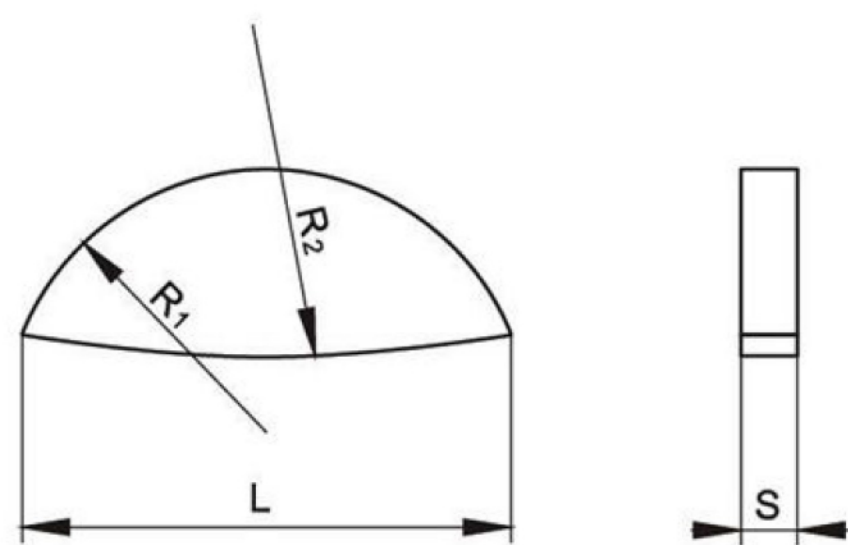
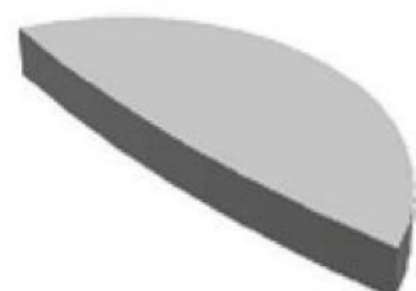
A 型
Type A



mm

型号 TYPE	尺寸 Dimension							
	L	T	S	l	t	l ₁	R ₁	R ₂
HMA-1800920	18	9	2	4	7	5	4.5	37.5
HMA-2201020	22	10	2	12	9	5	6.35	37.5
HMA-2501020	25	10	2	15	8	5	9	37.5
HMA-2801120	28	11	2	16	9	5	10	37.5
HMA-3001120	30	11	2	17	9	5	11	50
HMA-3301120	33	11	2	18	9	5	16.5	50

B 型
Type B



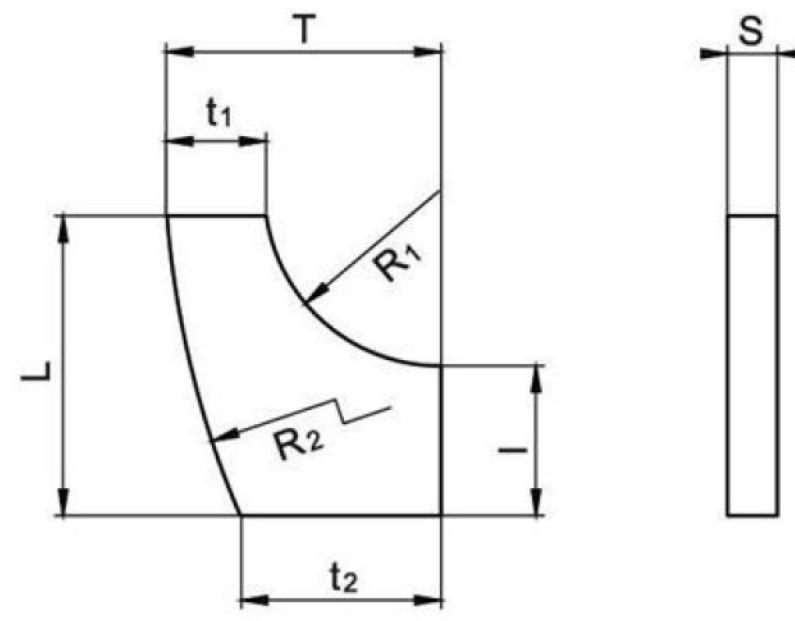
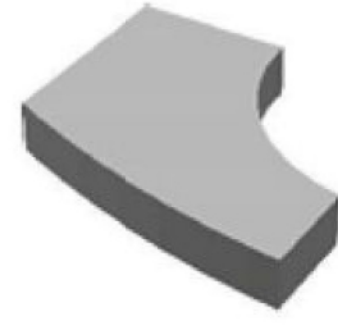
mm

型号 TYPE	尺寸 Dimension			
	L	S	R ₁	R ₂
HMB-12020	12	2	6	37.5
HMB-15020	15	2	8	15
HMB-13020	13	2	7	37.5
HMB-16520	16.5	2	8.5	37.5
HMB-20020	20	2	10	37.5

成形刀具毛坯

Blanks for forming tools

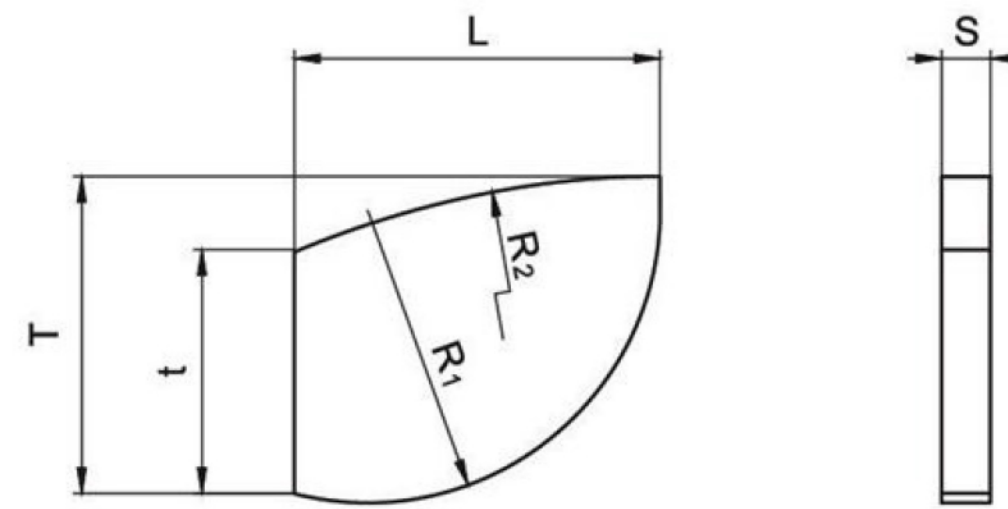
C 型
Type C



mm

型号 TYPE	尺寸 Dimension							
	L	T	S	l	t ₁	t ₂	R ₁	R ₂
HMC-1100920	11	9	2	7	5	6	3.75	37.5
HMC-1201120	12	11	2	6	4	8	7	37.5
HMC-1201020	12	10	2	7	5	7	4.75	37.5
HMC-1291220	12.9	12.4	2	5	3.6	8.8	4.75	37.5
HMC-1501120	15	11	2	8	5	7	7.8	37.5

D 型
Type D



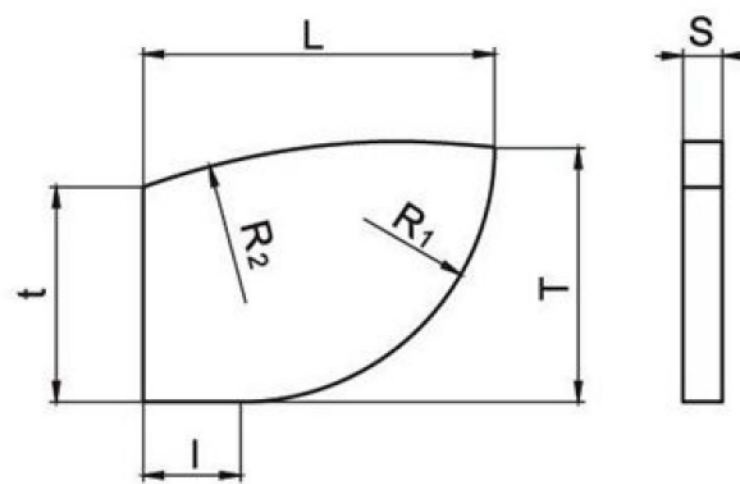
mm

型号 TYPE	尺寸 Dimension					
	L	T	S	t	R ₁	R ₂
HMD-1101020	11	10	2	4	9	37.5
HMD-1501020	15	13	2	10	12	37.5
HMD-1801020	18	10.7	2	5.5	12.5	37.5
HMD-2001520	20	15.5	2	9	15	50

成形刀具毛坯

Blanks for forming tools

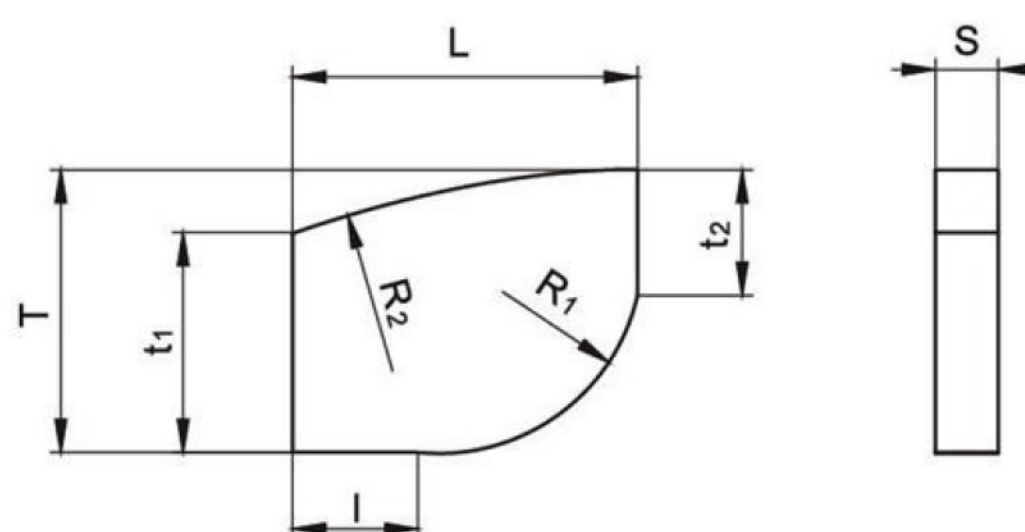
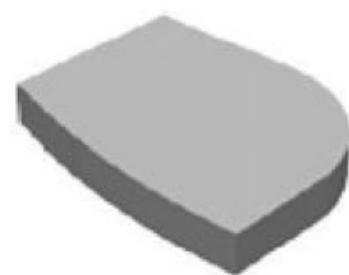
E 型
Type E



mm

型号 TYPE	尺寸 Dimension						
	L	T	S	l	t	R ₁	R ₂
HME-1301120	13	11	2	4	6	9.5	37.5
HME-1801320	18	13	2	5	11	13	37.5
HME-2631820	26.3	18.6	2	8	11.3	18	50

F 型
Type F



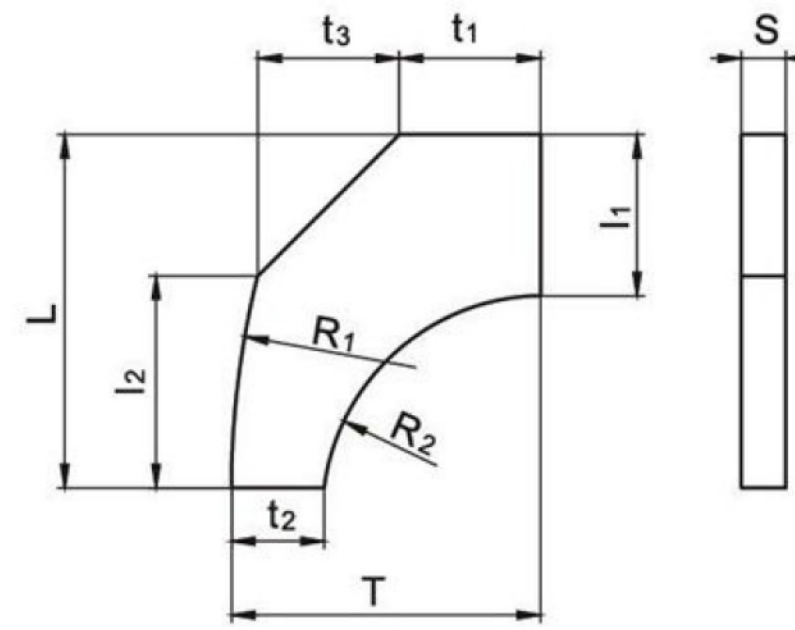
mm

型号 TYPE	尺寸 Dimension							
	L	T	S	l	t ₁	t ₂	R ₁	R ₂
HMF-11009220	11	9	2	4	7	4	6.5	37.5
HMF-1301020	13	10	2	7	8	3.5	6.5	37.5
HMF-1401120	14	11	2	8	9	5	6.5	37.5

成形刀具毛坯

Blanks for forming tools

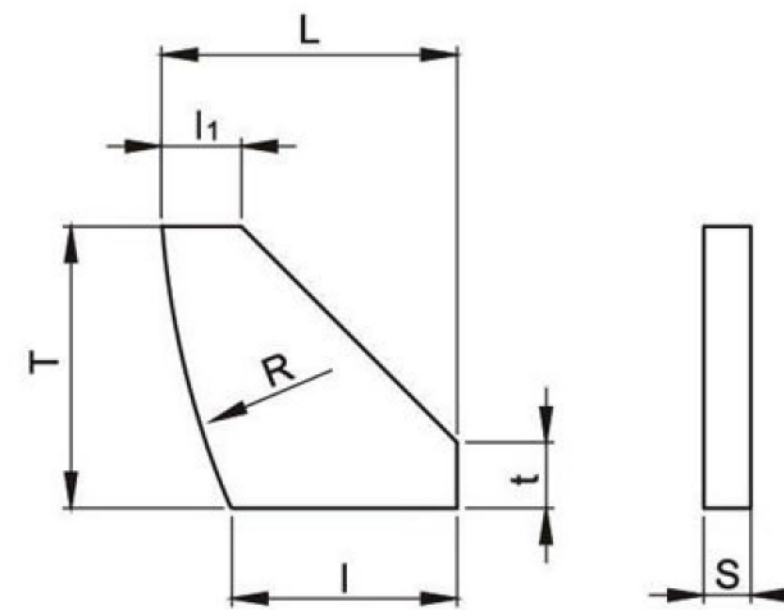
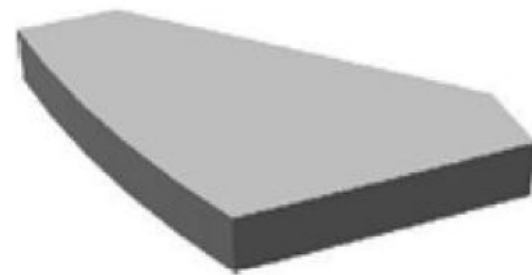
G 型
Type G



mm

型号 TYPE	尺寸 Dimension									
	L	T	S	t ₁	t ₂	t ₃	l ₁	l ₂	R ₁	R ₂
HMG-1601420	16	14	2	6.4	4.2	6.6	7.3	9.6	37.5	10
HMG-2071620	20.7	16.7	2	5.5	4	10.3	7.4	10.4	37.5	12
HMG-2502220	25	22	2	11	7	8.8	8	17	37.5	16

H 型
Type H

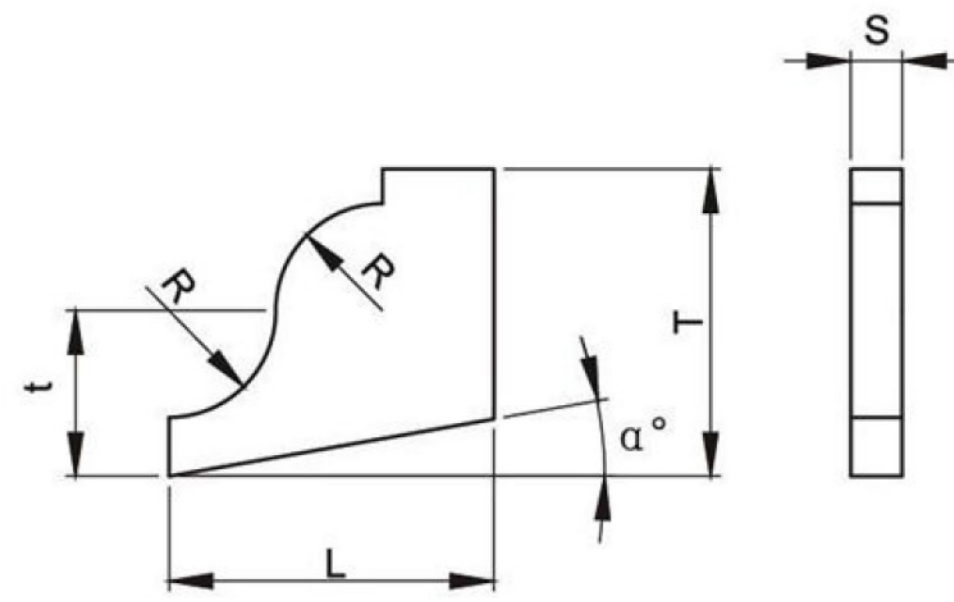


mm

型号 TYPE	尺寸 Dimension						
	L	T	S	l	l ₁	t	R
HMH-1261220	12.6	12	2	9.6	3.4	2.8	37.5
HMH-1641620	16.4	16	2	11.4	4.7	4.3	37.5

Blanks for forming tools

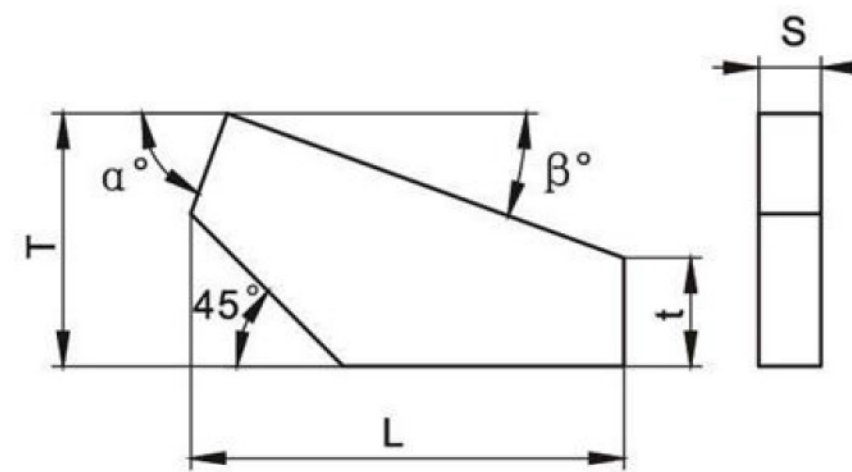
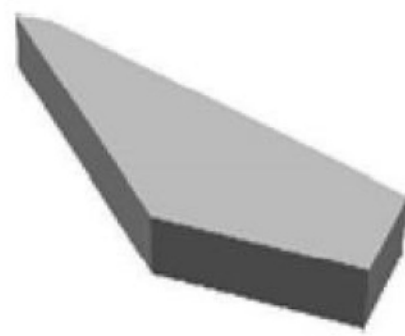
J 型
Type J



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	t	R	α°
HMJ-1461323	14.6	13.8	2.3	7.45	4.8	10

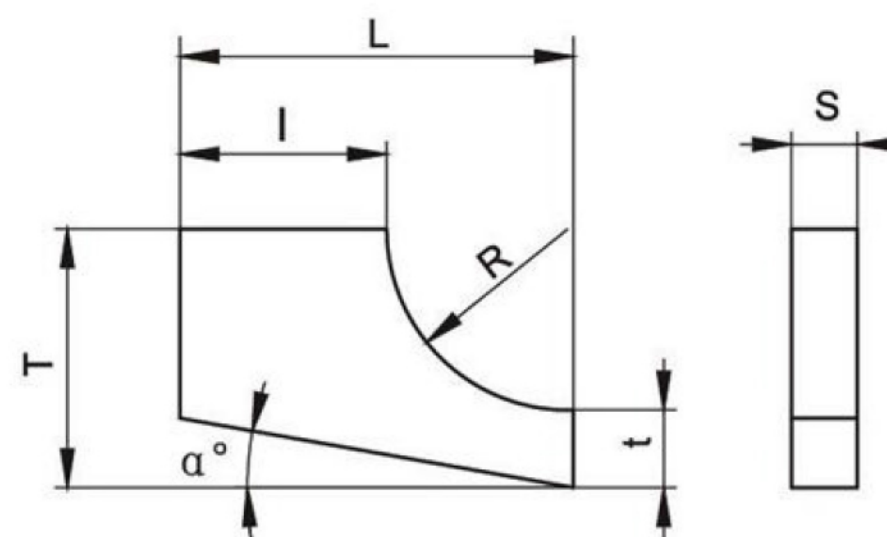
K 型
Type K



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	t	α°	β°
HMK-1220619	12.2	6.7	1.9	3.3	20	20
HWK-1320719	13.2	7.7	1.9	3.3	45	20

L 型
Type L

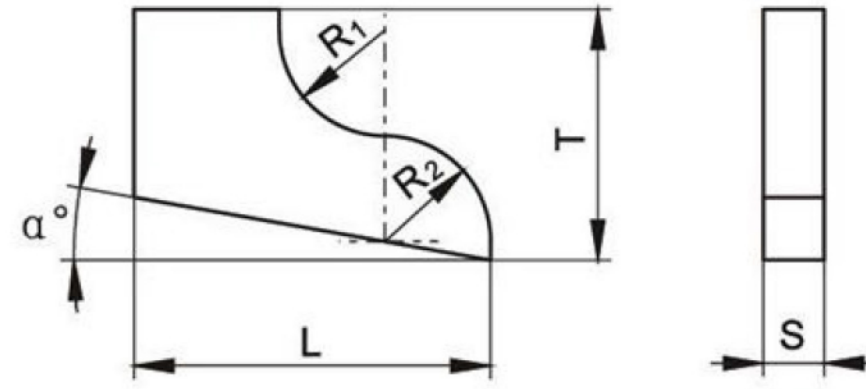
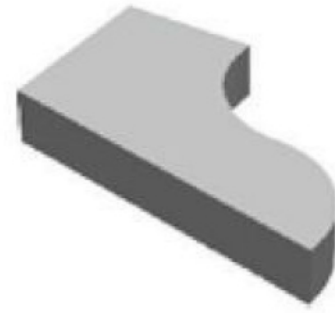


mm

型号 TYPE	尺寸 Dimension						
	L	T	S	l	t	R	α°
HML-1370923	13.7	9	2.3	7.2	2.7	6.3	10
HML-1671223	16.7	12.2	2.3	7	2.7	9.5	10

Blanks for forming tools

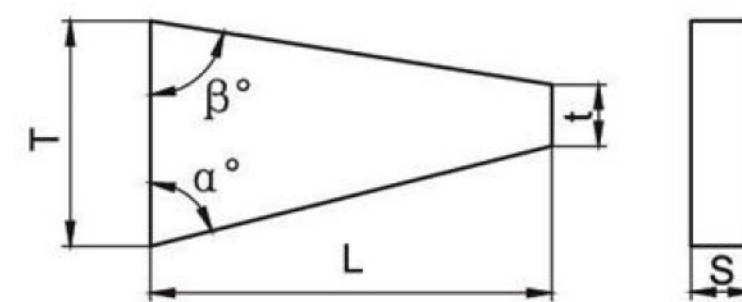
M 型
Type M



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	R ₁	R ₂	α°
HMM-1350923	13.5	9.5	2.3	4	4	10

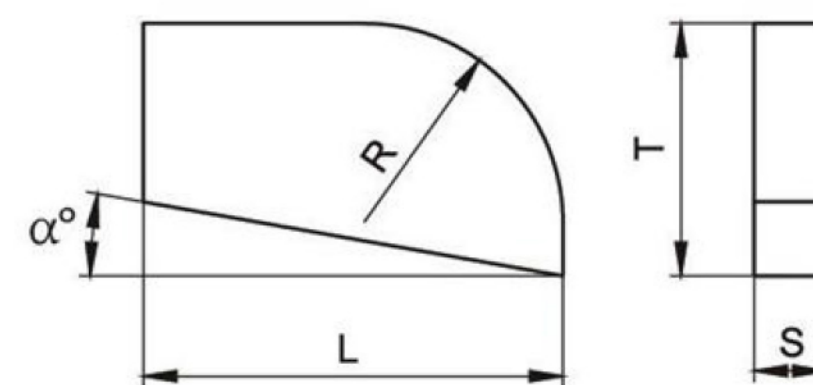
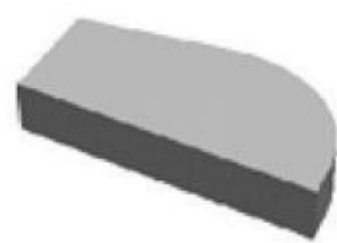
N 型
Type N



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	t	β°	α°
HMN-1230619	12.3	6.9	1.9	1.9	81	76

O 型
Type O

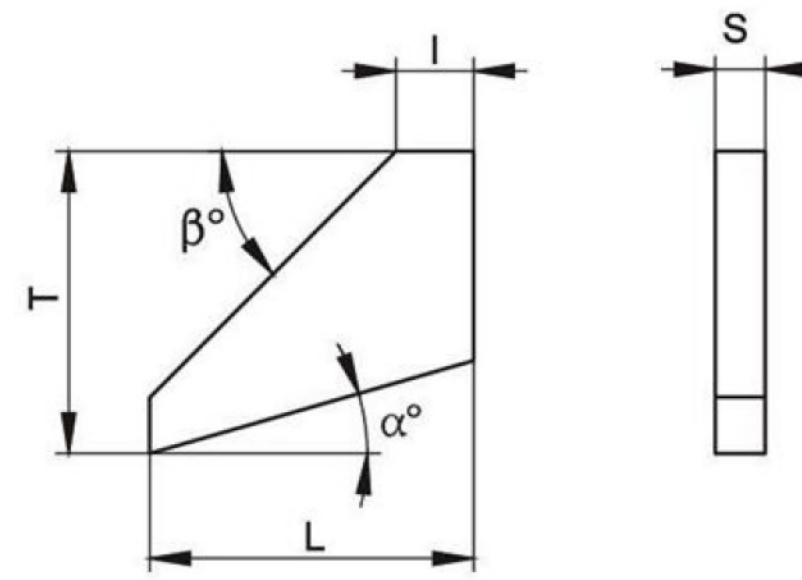
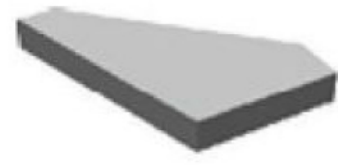


mm

型号 TYPE	尺寸 Dimension				
	L	T	S	R	α°
HMO-1330823	13.3	8	2.3	6.3	10

Blanks for forming tools

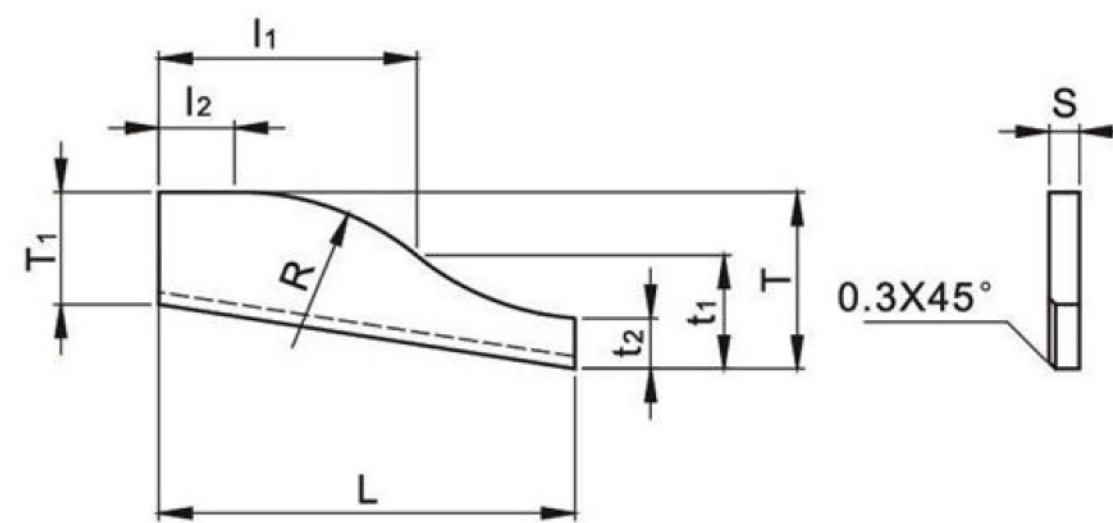
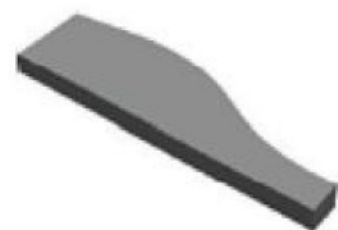
P 型
Type P



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	l	β°	α°
HMP-1501423	15	14	2.3	3.6	45	16

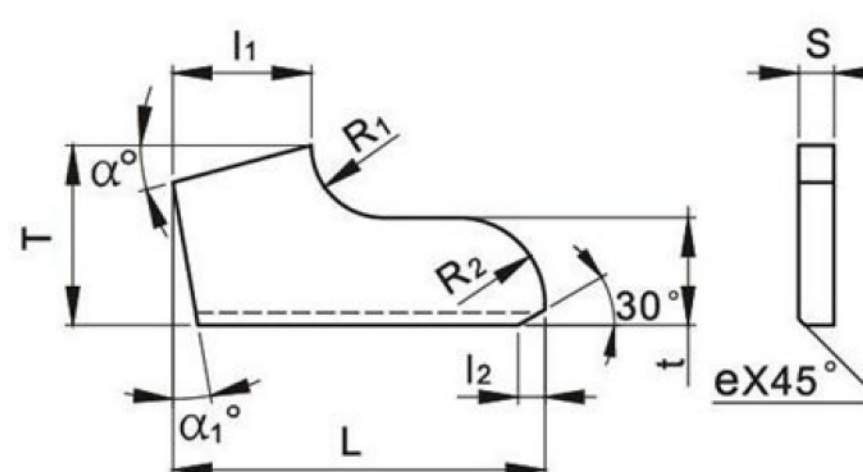
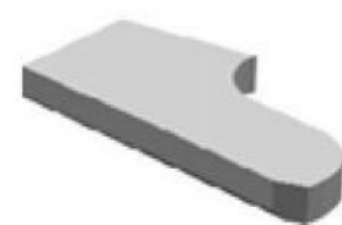
Q 型
Type Q



mm

型号 TYPE	尺寸 Dimension								
	L	T	S	T ₁	l ₁	l ₂	t ₁	t ₂	R
HMQ-3301424	33	14	2.4	8.9	20.5	6	9	4	22

R 型
Type R

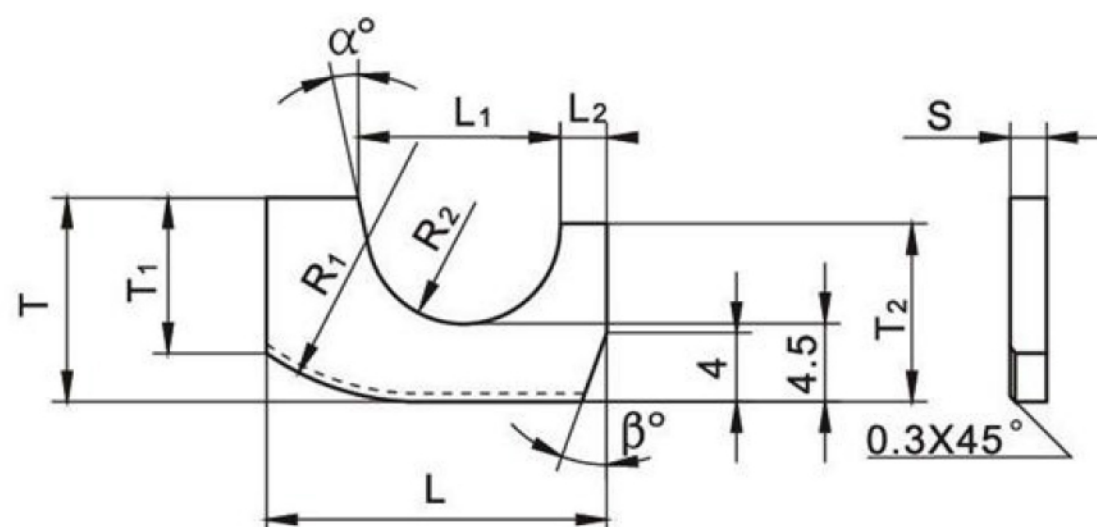


mm

型号 TYPE	尺寸 Dimension										
	L	T	S	l ₁	l ₂	t	α°	α_1°	R ₁	R ₂	e
HMR-1808717	18	8.7	1.7	6.7	1.3	5.2	15	10	3.5	4.2	0.3

Blanks for forming tools

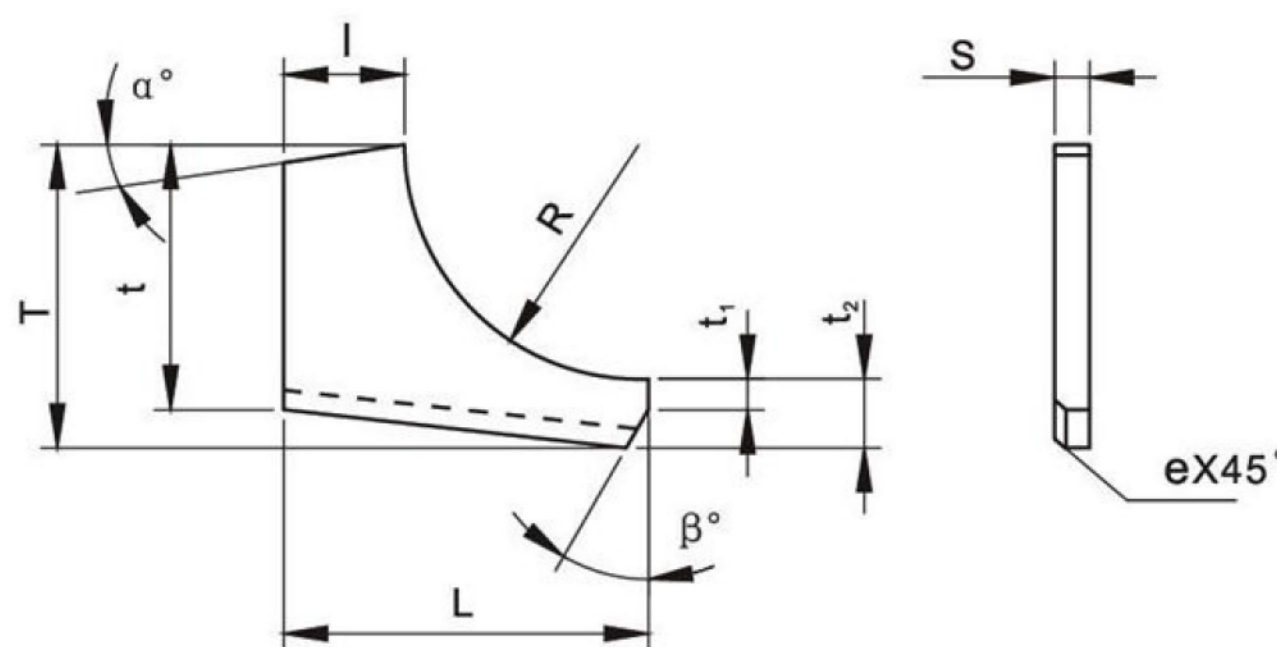
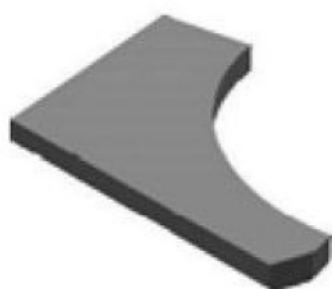
S 型
Type S



mm

型号 TYPE	尺寸 Dimension										
	L	T	S	T ₁	T ₂	L ₁	L ₂	R ₁	R ₂	α°	β°
HMS-1971121	19.7	11.8	2.1	9	10.3	11.7	2.7	15	5.5	12	20

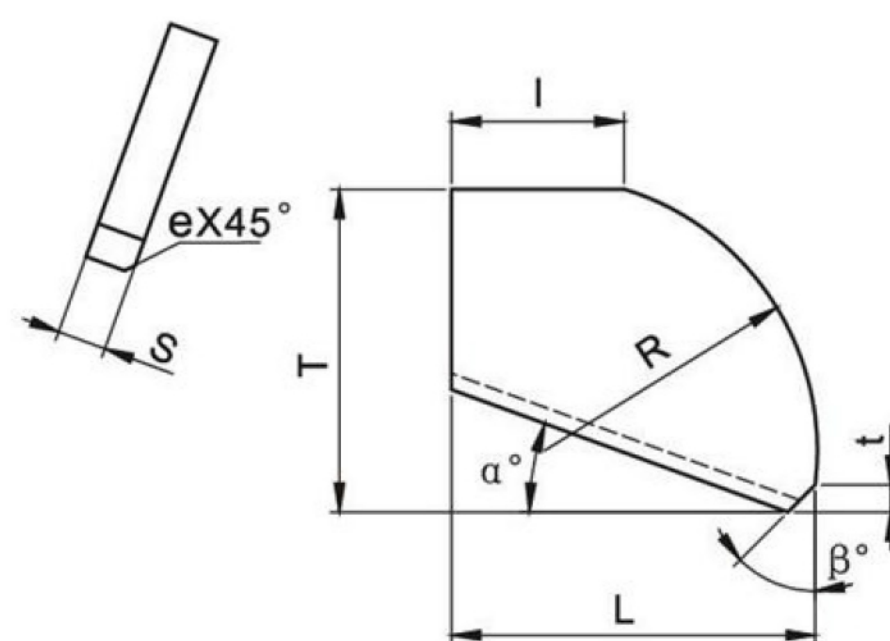
T 型
Type T



mm

型号 TYPE	尺寸 Dimension											
	L	T	S	l	t	t ₁	t ₂	R	α°	β°	e	
HMT-1901518	19	15.8	1.8	6.3	13.8	1.6	3.6	12.2	2	30	0.3	

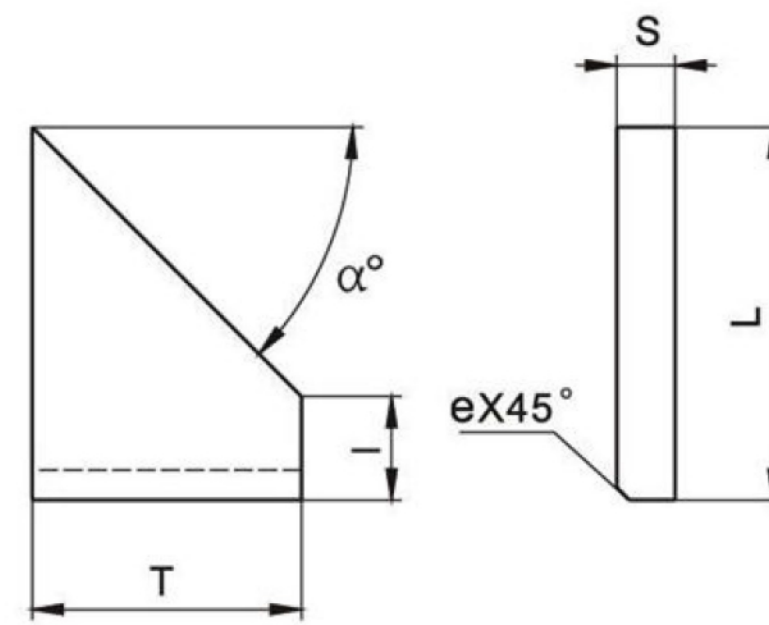
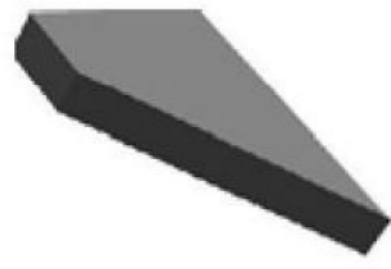
U 型
Type U



型号 TYPE	尺寸 Dimension									
	L	T	S	l	α°	β°	R	e	t	
HMU-1331118	13.3	11.8	1.8	6.3	20	45	10	0.3	1.0	
HMU-1641420	16.4	14.6	2.0	7.3	20	45	13	0.3	1.1	

Blanks for forming tools

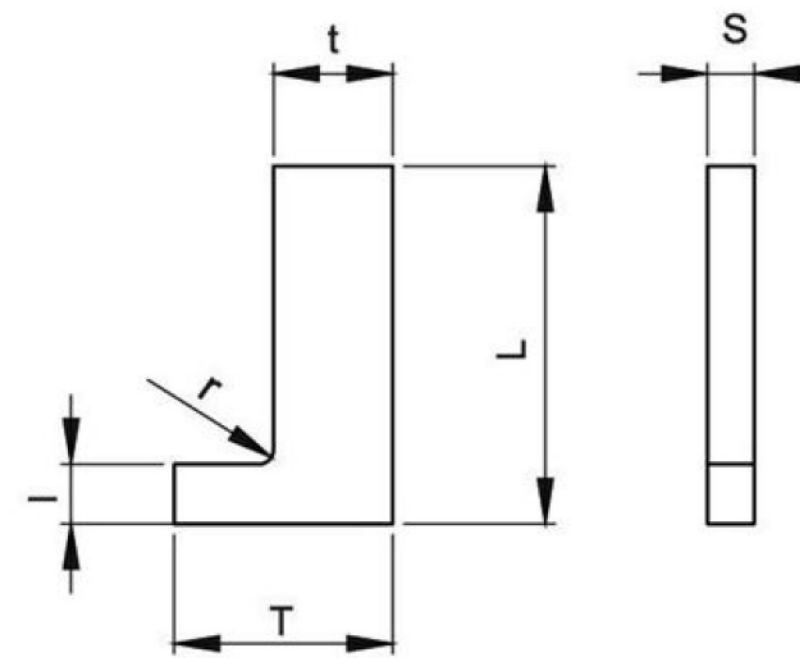
V 型
Type V



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	l	α°	e
HMV-0900614	9	6.5	1.4	2.5	45	0.3

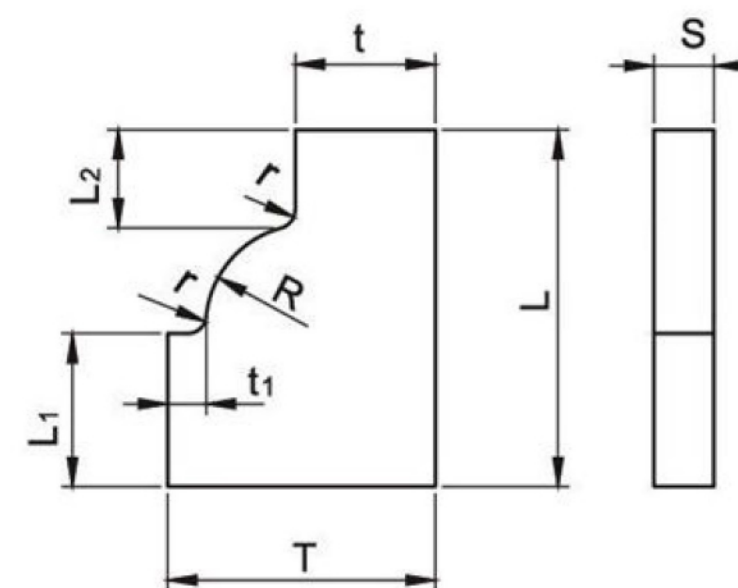
W 型
Type W



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	t	l	r
HMW-3102247	31	22	4.7	12	11	1.5
HMW-3602247	36	22	4.7	12	6	1.5

X 型
Type X

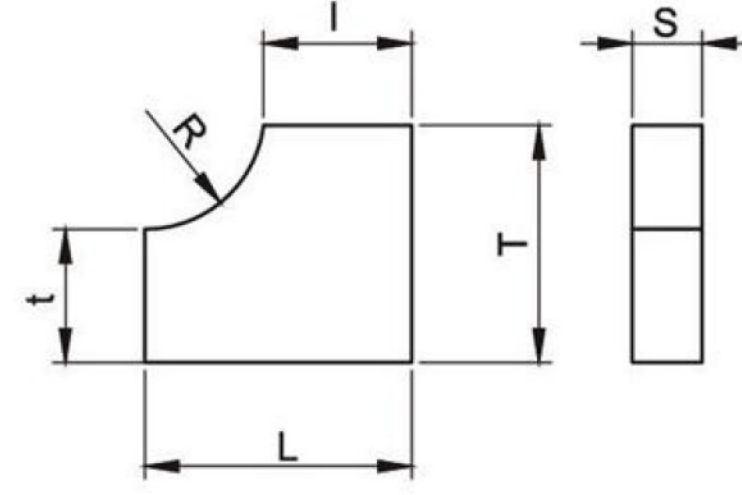


mm

型号 TYPE	尺寸 Dimension								
	L	T	S	l ₁	l ₂	t	t ₁	r	R
HMX-2802147	28	21	4.7	12	7.5	11	3	1.5	8
HMX-2802144	28	21	4.4	11.5	7.5	11	3	—	8

Blanks for forming tools

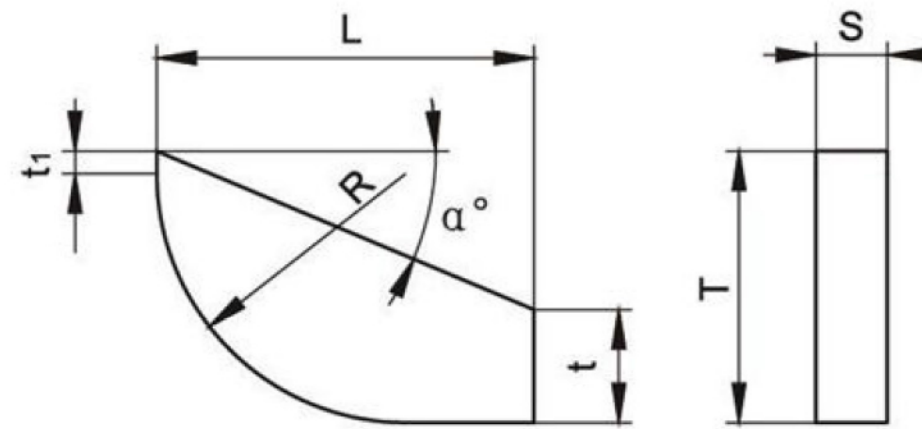
Y 型
Type Y



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	I	t	R
HMY-1801647	18	16	4.7	10	9	8
HMY-1821647	18.2	16.3	4.7	10	10	6

Z 型
Type Z



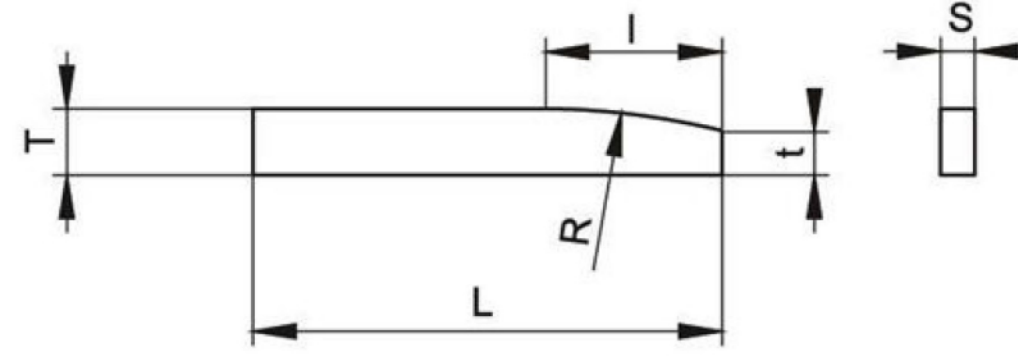
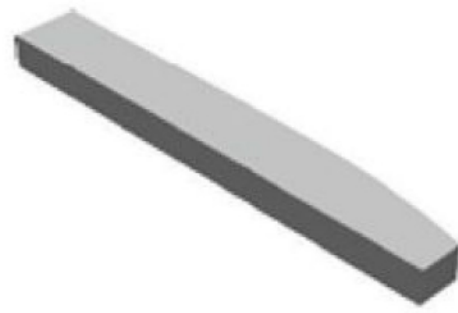
mm

型号 TYPE	尺寸 Dimension						
	L	T	S	t	t ₁	R	α°
HMZ-1000719	10	7.2	1.9	3	0.6	6.6	23
HMZ-1000519	10	5.6	1.9	2.4	0.6	5.6	18

铰孔刀具毛坯

Reaming tip blanks

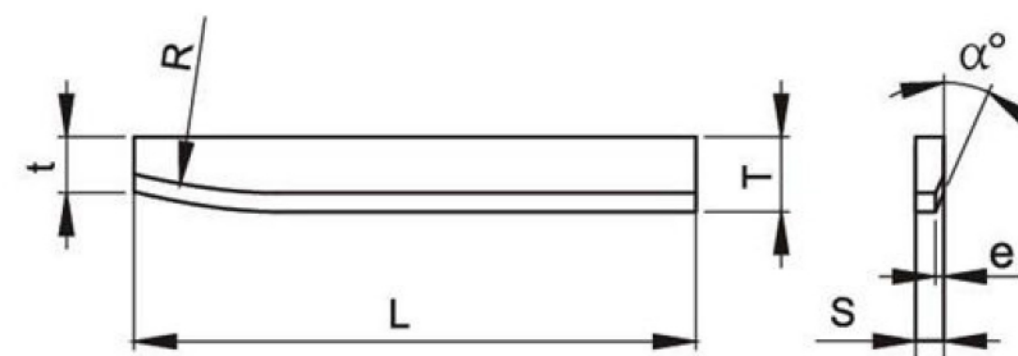
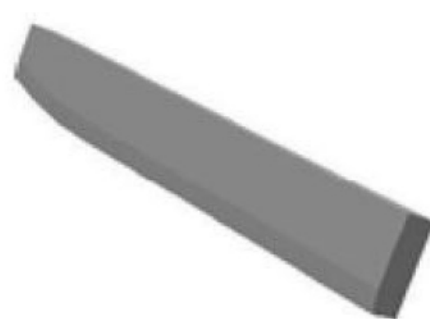
A 型
Type A



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	l	t	R
HMP011480	8.5	2.3	1.3	—	1.5	30
HMP011390	16.5	2.3	1.5	—	1.6	30
HMP021062	18	3.0	1.8	—	1.5	25
HMP011419	20.5	2.9	1.5	7.7	1.9	30
HMP011391	20.5	3.5	1.9	—	2.2	30
HMP011392	20.5	4.0	1.9	—	3.0	30
HMP001298	25	3.0	3.0	—	0.3	4
HMP970947	30	2.6	1.0	—	2.0	30
HMP970536	45	3.5	2.0	—	1.5	25

B 型
Type B



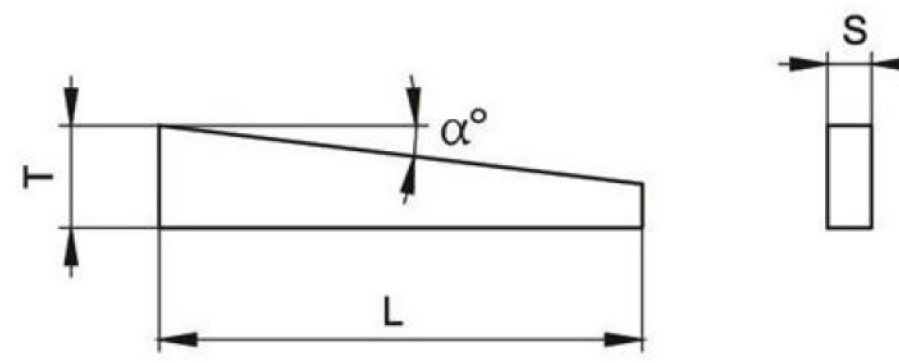
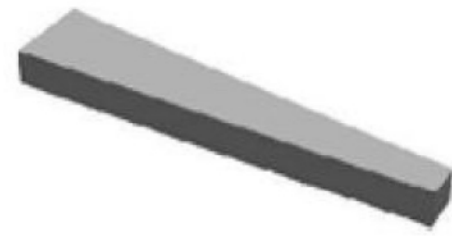
mm

型号 TYPE	尺寸 Dimension						
	L	T	S	t	e	R	α°
HMP970948	30	4	1.5	3	0.2	30	10
HMP970949	30	3.3	1.2	2	0.2	30	10

铰孔刀具毛坯

Reaming tip blanks

C 型
Type C



mm

型号 TYPE	尺寸 Dimension			
	L	T	S	α°
HMP011418	12.3	4.8	1.9	14
HMP011397	16.5	3.5	1.5	7
HMP011398	20.5	4.8	1.9	7
HMP011399	20.5	6.5	1.9	9
HMP011400	20.5	8.5	2.3	13
HMP011458	20.5	5.5	1.9	7.5
HMP011459	20.5	5.5	2.3	18

铰孔刀具技术条件

Technical specifications for reaming tip blanks

首选材质: YG6X、YG6A、YG6

First optional grades: YG6X、YG6A、YG6

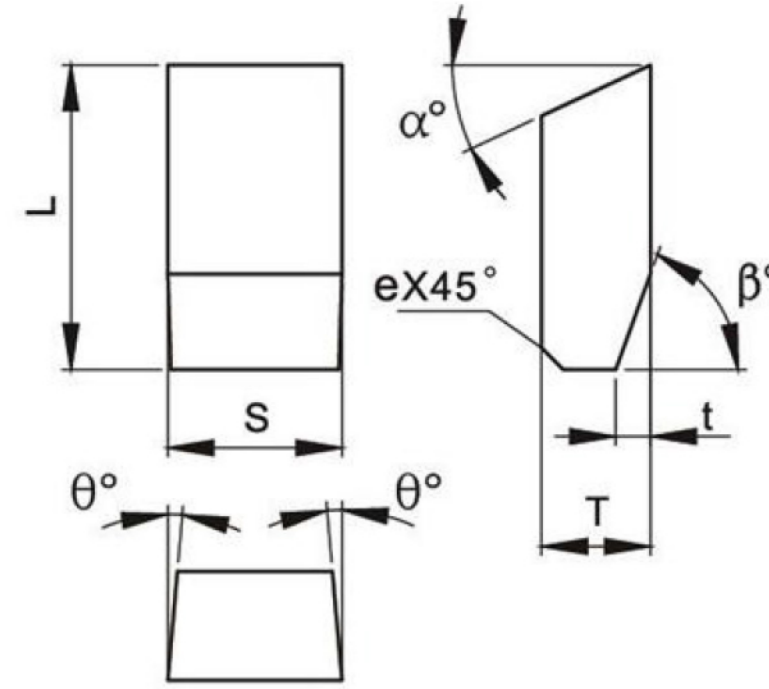
制品的尺寸公差按: $L_{0}^{+0.4}$ $T_{-0.1}^{+0.2}$ $S_{-0.1}^{+0.15}$ mm

The tolerance of the products is $L_{0}^{+0.4}$ $T_{-0.1}^{+0.2}$ $S_{-0.1}^{+0.15}$ mm

锯齿片毛坯

Blanks for saw tips

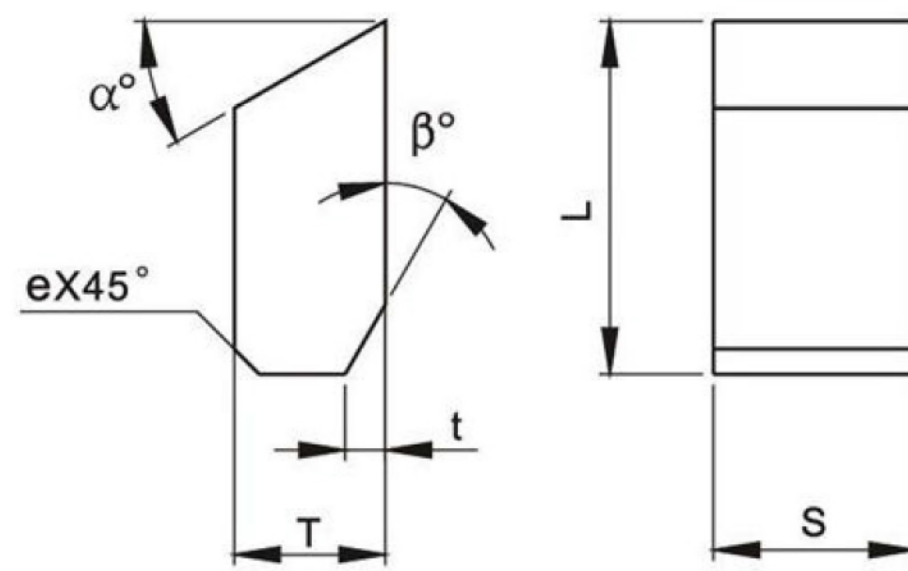
A 型
Type A



mm

型号 TYPE	尺寸 Dimension							
	L	T	S	α°	β°	θ°	t	e
HJA-072540	7	2.5	4	25	70	5	0.8	0.5
HJA-072550	7	2.5	5	25	70	5	0.8	0.5
HJA-092535	9	2.5	3.5	25	70	5	0.8	0.5
HJA-092540	9	2.5	4	25	70	5	0.8	0.5

B 型
Type B



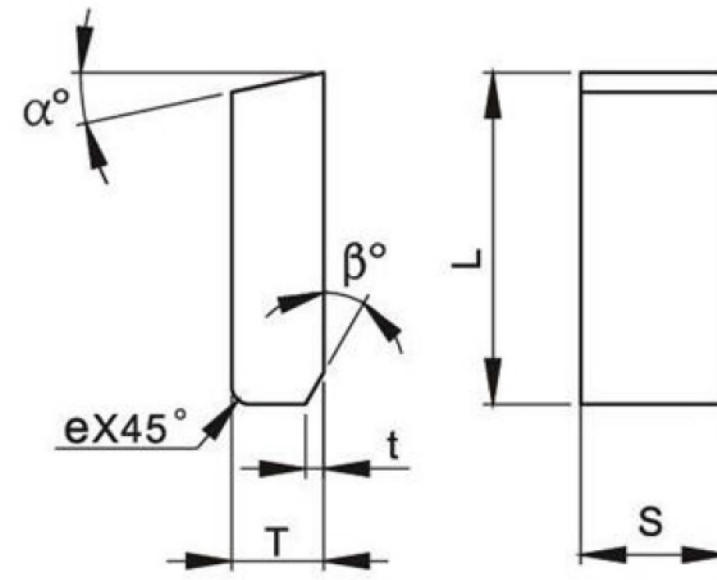
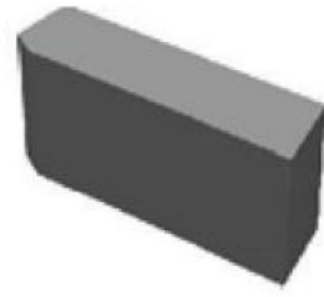
mm

型号 TYPE	尺寸 Dimension						
	L	T	S	t	e	α°	β°
HJB-073040	7	3	4	0.8	0.5	30	30
HJB-083048	8	3	4.8	0.8	0.5	30	30
HJB093040	9	3	4	0.8	0.5	30	30
HJB-093050	9	3	5	0.8	0.5	30	30
HJB-093055	9	3	5.5	0.8	0.5	30	30

锯齿片毛坯

Blanks for saw tips

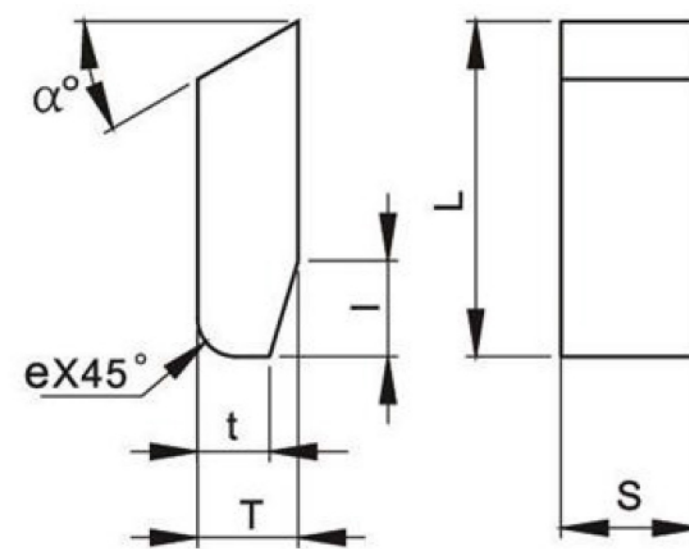
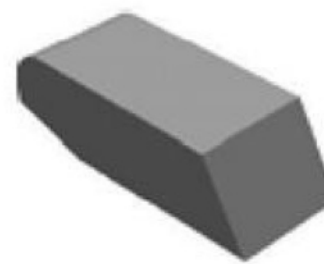
C 型
Type C



mm

型号 TYPE	尺寸 Dimension						
	L	T	S	t	R	α°	β°
HJC-051835	5.5	1.8	3.5	0.5	0.5	12	30
HJC-061535	6	1.5	3.5	0.5	0.5	12	30
HJC-072240	7	2.2	4	0.5	0.5	12	30
HJC-092540	9	2.5	4	0.5	0.5	12	30

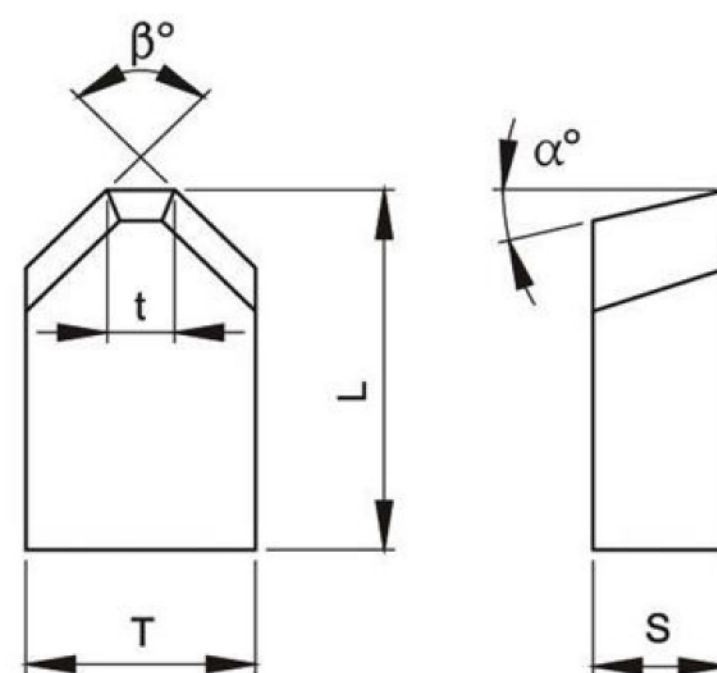
D 型
Type D



mm

型号 TYPE	尺寸 Dimension						
	L	T	S	t	l	e	α°
HJD-051522	5	1.5	2.2	0.9	1.2	0.7	30
HJD-061829	6	1.8	2.9	1.2	1.6	0.8	30
HJD-072129	7	2.1	2.9	1.5	2.0	0.8	30

E 型
Type E



mm

型号 TYPE	尺寸 Dimension						
	L	T	S	t	α°	β°	
HJE-085130	8	5.1	3	1.5	13	92	

首选材质: YG6X YG6A YG6 *YM80, 带*者为新开发的牌号, 各项性能指标为暂行标准。

First optional grades: YG6X YG6A YG6 *YM80, The grade with (*) is a newly developed grade. The properties are only the temporary standard.

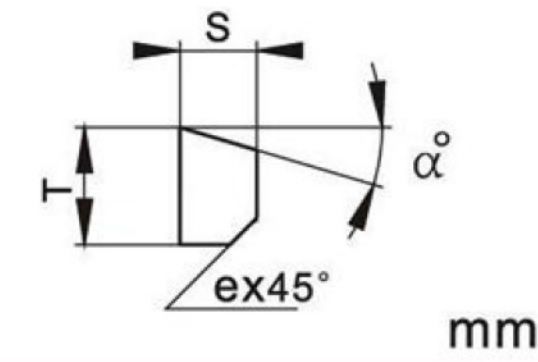
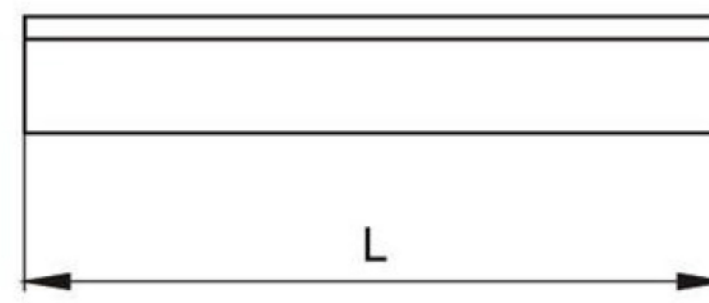
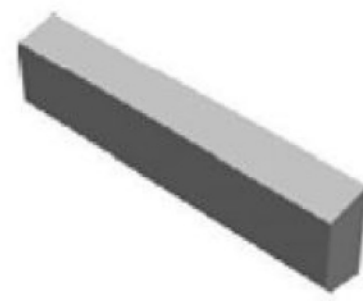
制品的尺寸公差按 $\begin{matrix} +0.15 \\ -0.10 \end{matrix}$ mm

The tolerance of the products is $\begin{matrix} +0.15 \\ -0.10 \end{matrix}$ mm

牙签刀毛坯

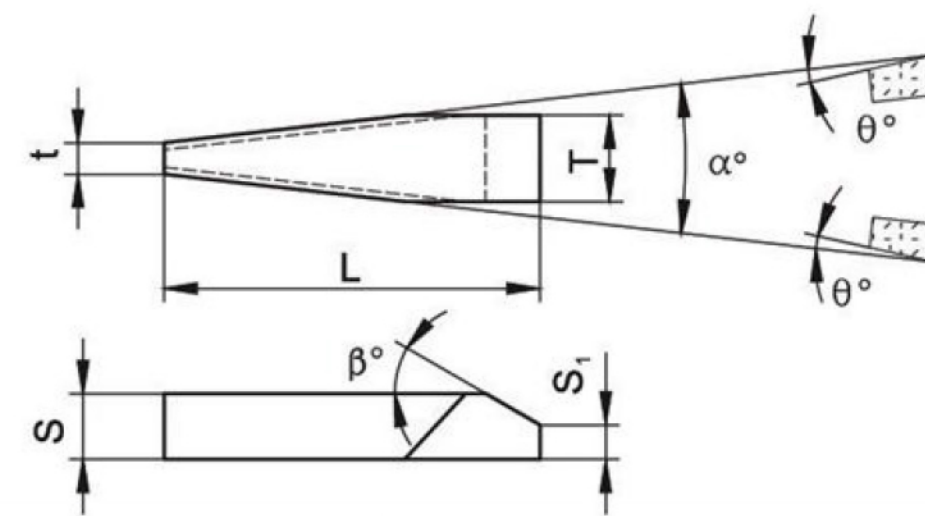
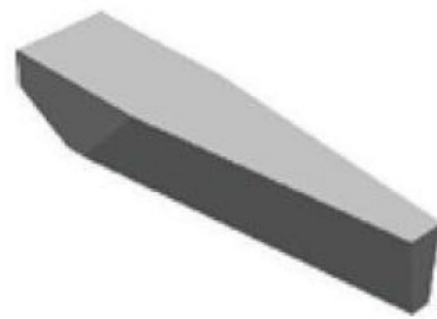
Tip blanks for tooth-pickers

A 型
Type A



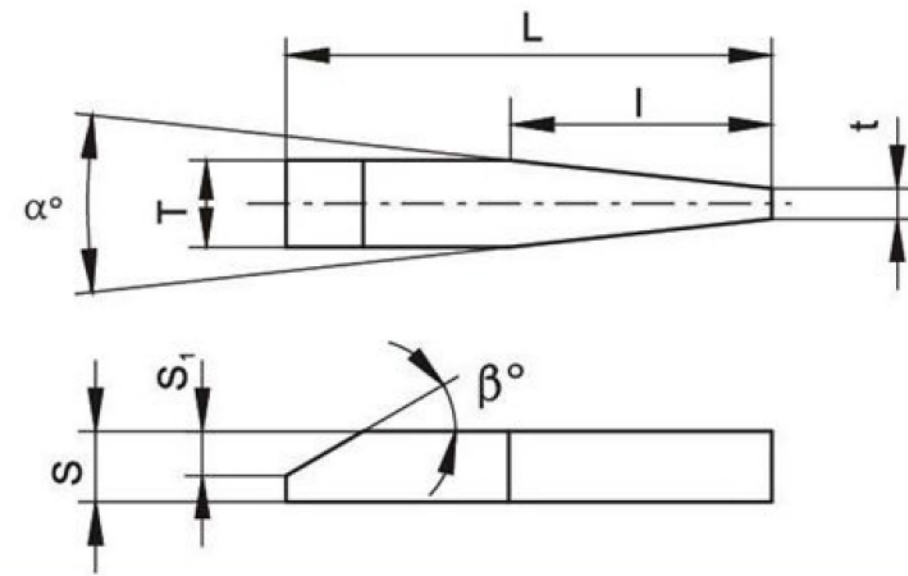
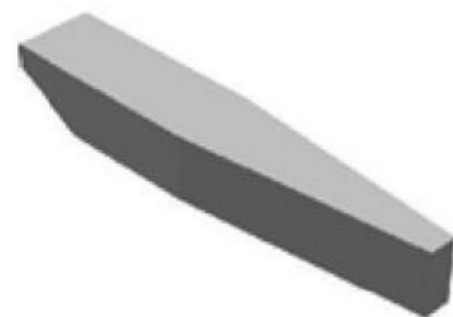
型号 TYPE	尺寸 Dimension				
	L	T	S	α°	e
HYA2705535	27	5.5	3.5	10	0.5
HYA2705540	27	5.5	4.0	10	0.5
HYA3706035	37	6.0	3.5	5	1.0

B 型
Type B



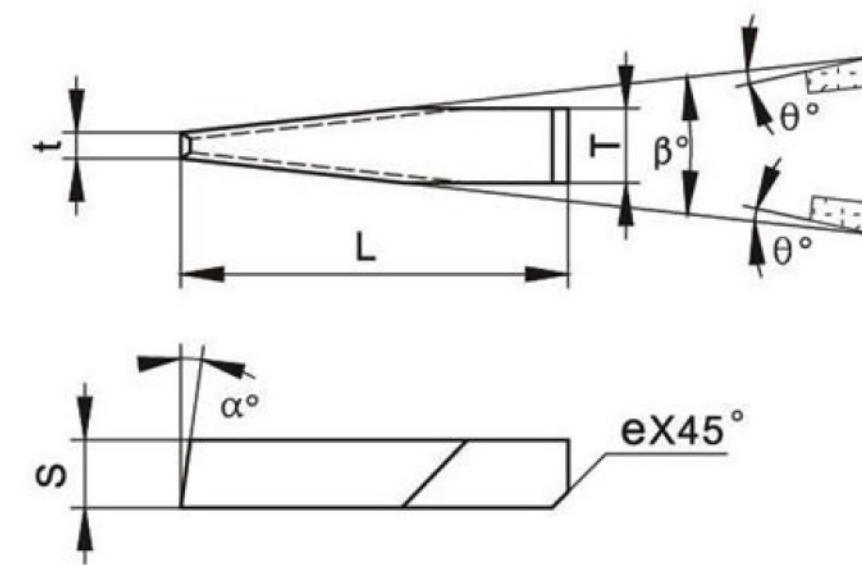
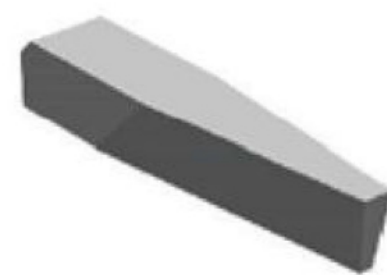
型号 TYPE	尺寸 Dimension							
	L	T	t	S	S ₁	α°	β°	θ°
HYB2405520	24	5.5	2.0	4.2	2.2	13	30	6
HYB3207533	32	7.5	3.3	4.5	2.5	12	30	5

C 型
Type C



型号 TYPE	尺寸 Dimension							
	L	T	S	t	S ₁	α°	β°	l
HYC2404335	24	4.3	3.5	1.5	—	—	—	13
HYC3204542	32	4.5	4.2	1.5	2.2	12	30	—

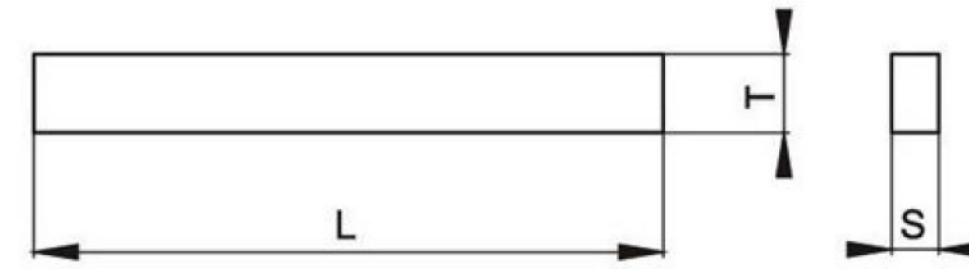
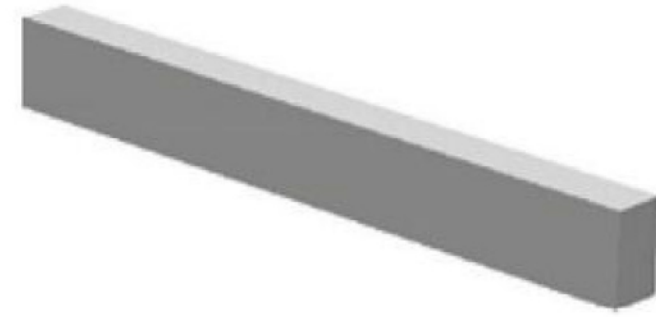
D 型
Type D



型号 TYPE	尺寸 Dimension							
	L	T	t	S	α°	β°	θ°	e
HYD2404616	24	4.6	1.6	4.2	8	12°30'	6	1
HYD2410680	24	10.6	8	4.2	8	12°30'	6	1

板材毛坯

Strip blanks



mm

型号 TYPE	尺寸 Dimension			型号 TYPE	尺寸 Dimension		
	L	T	S 尺寸范围		L	T	S 尺寸范围
LA01010-	10	10	2-3	LA14012-	140	12	2-4
LA01308-	13	8	2-3	LA14015-	140	15	2-4
LA01512-	15	12	2-3	LA14018-	140	18	2-4
LA01710-	17	10	2-3	LA14020-	140	20	2-4
LA02012-	20	12	2-3	LA14022	140	22	3-13
LA02510-	25	10	2-3	LA14025-	140	25	3-4
LA02710-	27	10	2-3	LA14028-	140	28	4-6
LA03010-	30	10	2-3	LA14030-	140	30	4-6
LA03012-	30	12	2-3	LA14040-	140	40	2-5
LA03015-	30	15	2-3	LA15018-	150	18	2-4
LA03310-	33	10	2-3	LA15020-	150	20	2-8
LA03312-	33	12	2-3	LA15024-	150	24	2-4
LA03515-	35	15	2-3	LA15050-	150	50	2-5
LA03610-	36	10	2-3	LA15070-	150	70	2-5
LA03612-	36	12	2-3	LA15440-	154	40	2-4
LA04010-	40	10	2-3	LA15710-	157	10	2-5
LA04012-	40	12	3-4	LA15820-	158	20	2-5
LA04015-	40	15	3-4	LA16005-	160	5	3-6
LA04510-	45	10	2-4	LA16020-	160	20	3-6
LA04512-	45	12	3-4	LA16053-	160	53	3-6
LA04515-	45	15	3-4	LA16521-	165	21	3-6
LA05012-	50	12	2-4	LA17010-	170	10	4-5
LA14008-	140	8	3-4	LA17333-	173	33	3-4
LA14010-	140	10	2-4	LA18422-	184	22.5	3-6

板材毛坯

Strip blanks

mm

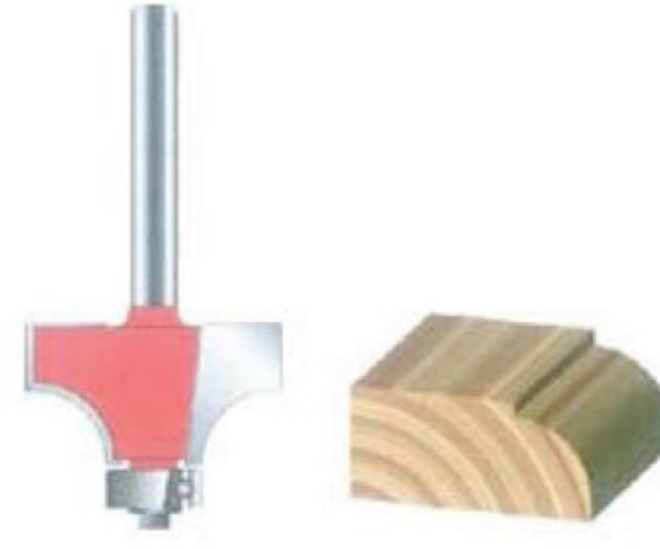
型号 TYPE	尺寸 Dimension			型号 TYPE	尺寸 Dimension		
	L	T	S 尺寸范围		L	T	S 尺寸范围
LA19008-	190	8	3-6	LA31010-	310	10	3-4
LA19920-	199	20	3-6	LA31012-	310	12	3-4
LA20006-	200	6	3-6	LA31015-	310	15	3-4
LA20072-	200	7.2	3-6	LA31018-	310	18	3-4
LA20030-	200	30	5-10	LA31020-	310	20	3-4
LA20050-	200	50	5-10	LA31022-	310	22	2-3
LA22030-	220	30	5-10	LA31025-	310	25	3-4
LA24010-	240	10	4-8	LA31030-	310	30	4-5
LA24015-	240	15	3-6	LA32010-	320	10	2-5
LA24030-	240	30	5-10	LA32012-	320	12	2-5
LA24209-	242	9	5-14	LA32015-	320	15	2-5
LA24309-	243	9	5-10	LA32018-	320	18	2-5
LA25012-	250	12	5-10	LA32020-	320	20	2-5
LA25015-	250	15	3-6	LA32022-	320	22	2-5
LA25030-	250	30	3-6	LA32025-	320	25	2-5
LA29030-	290	30	4-6	LA32030-	320	30	2-5

首选材质: YL10.2、YS2T、YG6X、YG6、YG8、*YM80, 带*者为新开发牌号, 各项性能指标为暂行标准

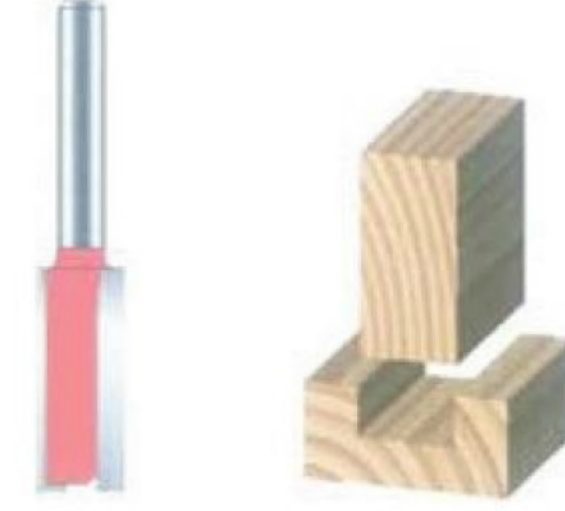
First optional grades: YL10.2 YS2T YG6X、YG6、YG8、*YM80, The grade with (*) is a newly developed grade.
The properties are only the temporary standard.



子口榫刀
Tool for making
tongue and groove



圆角刀
Edge rounding tool



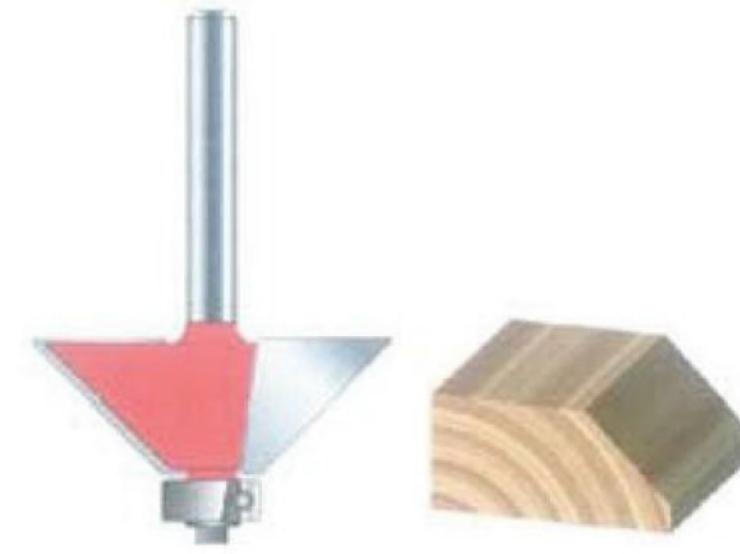
双刃直刀
Milling tool with
2 edges



园底刀
Tool for rounding the
bottom of a groove



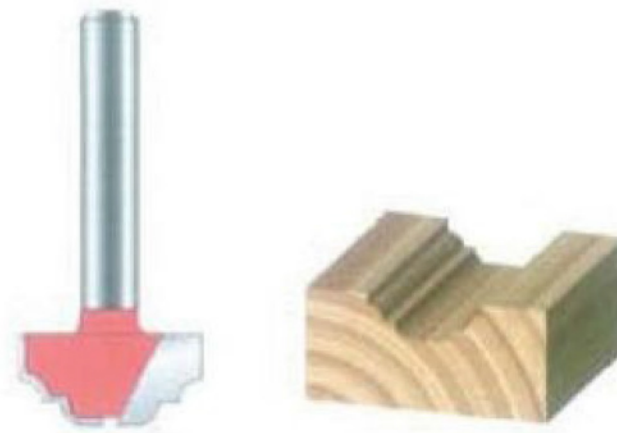
倒角刀
Edge removal tool



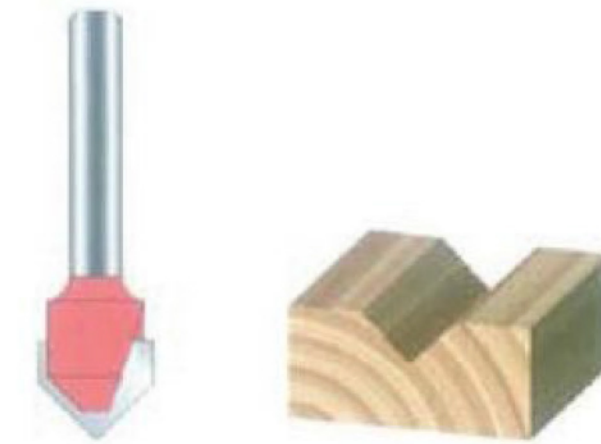
45度斜角刀
Tool with an angle of
45 degrees



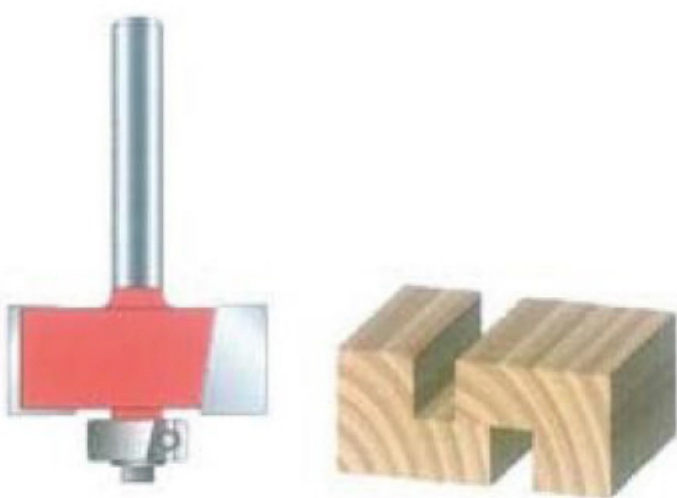
修边刀
Side planing tool



凹弧雕刻刀
Engraving tool with
a concave arc



V型刀
V shape tool



T型刀
T shape tool



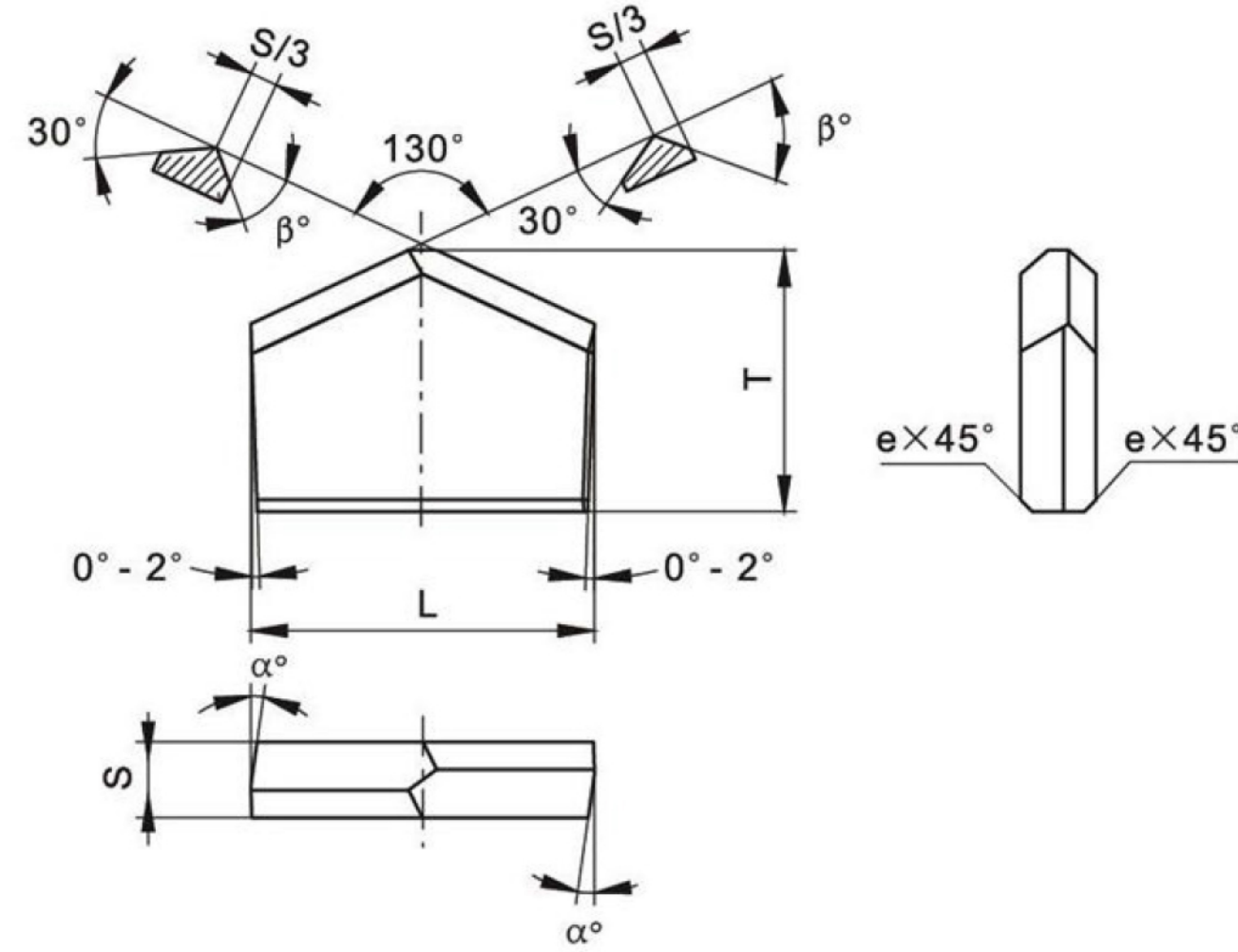
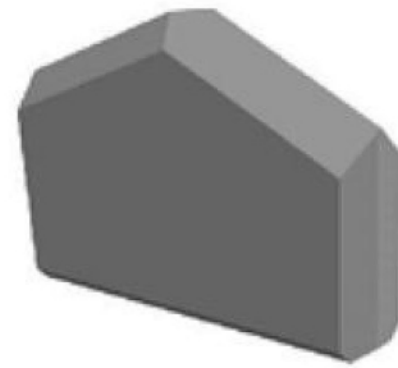
户西线刀
Tool for machining
double arc lines



取孔刀
Hole drilling tool

冲击钻片毛坯 (A型)

Blank for per-cussive drill tip (Type A)

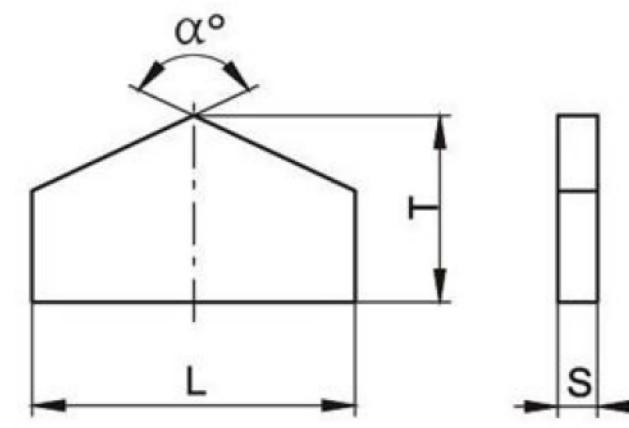
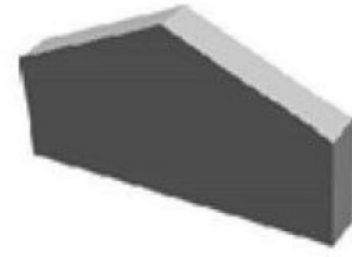


mm

型号 TYPE	尺寸 Dimension						适用钻头 规格推荐 Recommended size of drill
	L	T	S	e	α°	β°	
HCZA060616	6	6	0.55	0.30	7	45	$\phi 6$
HCZA080720	8	7	0.65	0.35	7	45	$\phi 8$
HCZA100823	10	8	0.75	0.35	5	45	$\phi 10$
HCZA120925	12	9	0.85	0.35	5	45	$\phi 12$
HCZA141028	14	10	0.95	0.40	5	55	$\phi 14$
HCZA161128	16	11	0.95	0.40	5	55	$\phi 16$
HCZA181228	18	12	0.95	0.40	5	55	$\phi 18$
HCZA201328	20	13	0.95	0.40	5	55	$\phi 20$
HCZA221432	22	14	1.10	0.50	5	55	$\phi 22$
HCZA251532	25	15	1.10	0.50	5	55	$\phi 25$

冲击钻片毛坯 (B型)

Blank for per-cussive drill tip (Type B)



mm

型号 TYPE	尺寸 Dimension			
	L	T	S	α°
HCZB630613	6.3	6	1.3	130
HCZB830715	8.3	7	1.5	130
HCZB100820	10.3	8	2	130
HCZB120920	12.3	9	2	130
HCZB141023	14.3	10	2.3	130
HCZB161123	16.3	11	2.3	130
HCZB181225	18.3	12	2.5	130
HCZB201328	20.3	13	2.8	130
HCZB221432	22.3	14	3.2	130
HCZB251532	25	15	3.2	130
HCZB261532	26	15	3.2	130
HCZB281638	28.3	16	3.8	130
HCZB301738	30.3	17	3.8	130
HCZB321838	32.3	18	3.8	130
HCZB352038	35.3	20	3.8	130
HCZB382250	38.3	22	5	130

冲击钻片技术条件

Technical specifications for percussive drill tips

mm

尺寸允许偏差 Tolerance					
L		T		S	
尺寸 Dimension	公差 Tolerance	尺寸 Dimension	公差 Tolerance	尺寸 Dimension	公差 Tolerance
≤ 8	+0.30 +0.12	6.0-10.0	± 0.2	1.6-3.2	± 0.1
$\geq 8.0-10.0$	+0.36 +0.15				
$\geq 10.0-18.0$	+0.43 +0.18	11.0-12.0	± 0.25		
≥ 18.0	+0.52 +0.21	13.0-15.0	± 0.3		

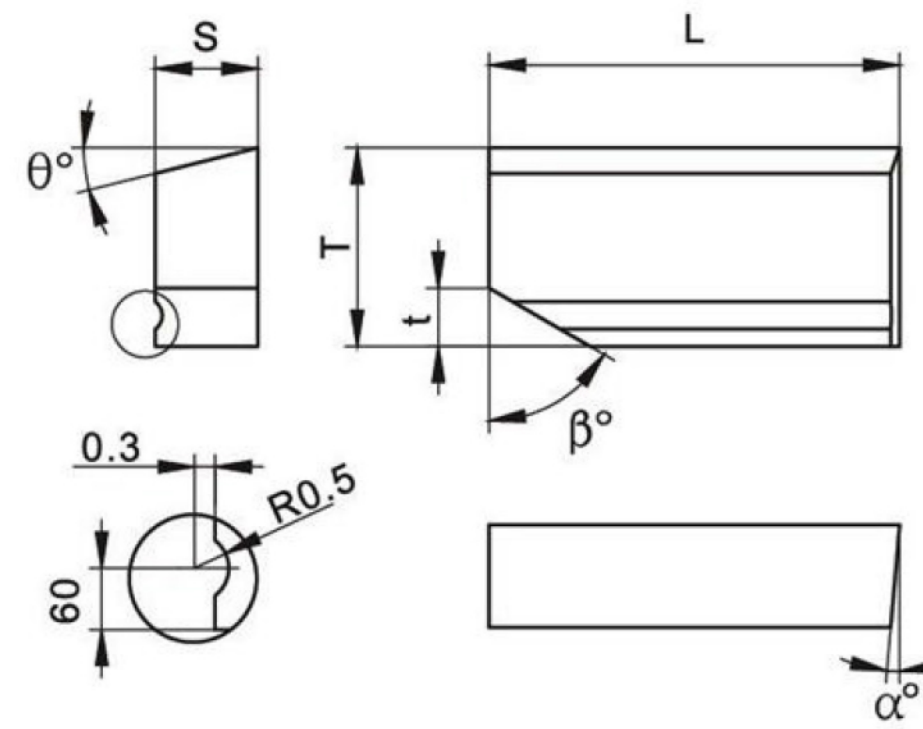
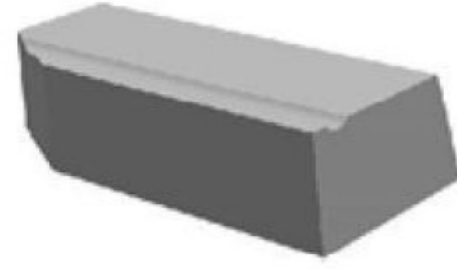
首选材质: YG8C YG11C YG11C-N

First optional grades: YG8C YG11C YG11C-N

汽门铣刀片毛坯

Milling insert blanks for turning air valves

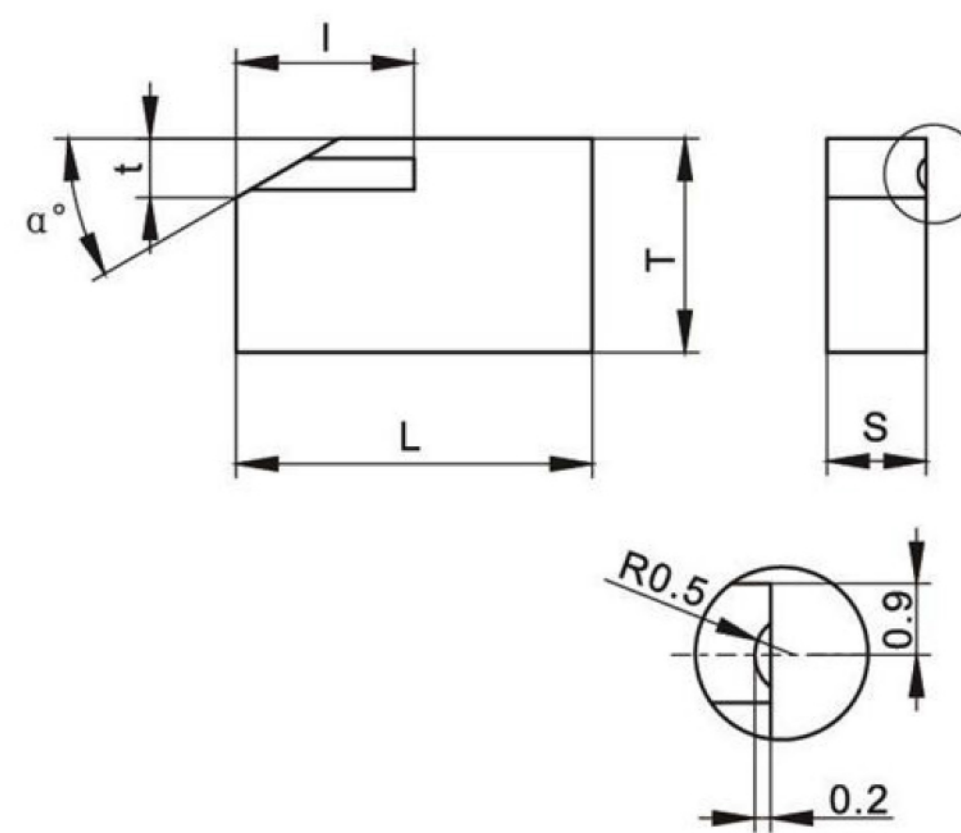
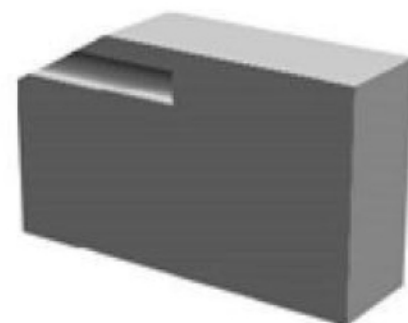
A 型
Type A



mm

型号 TYPE	尺寸 Dimension						
	L	T	S	θ°	α°	β°	t
HXA-1205830	12.0	5.8	3	14	6	60	1.7
HXA-1405830	14.0	5.8	3	14	6	60	1.7
HXA-1655830	16.5	5.8	3	14	6	60	1.7
HXA-1855830	18.5	5.8	3	14	6	60	1.7
HXA-2105830	21.0	5.8	3	14	6	60	1.7

B 型
Type B

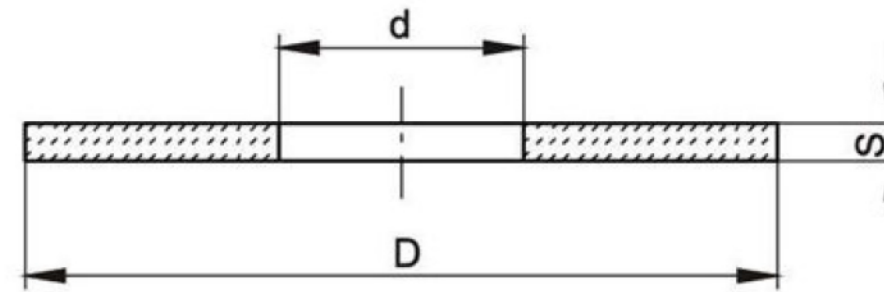
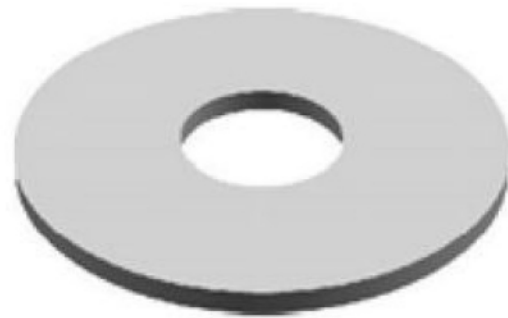


mm

型号 TYPE	尺寸 Dimension					
	L	T	S	l	t	α°
HXB-095425	9	5.4	2.5	4.5	1.5	30

锯片铣刀毛坯

Blanks for saw blades



型号 TYPE	尺寸 Dimension			型号 TYPE	尺寸 Dimension		
	D	d	S		D	d	S
HGE-0120210	12	2.0	1.0	HGE-0381210	38.5	12.5	1.0
HGE-0130710	13.5	7.9	1.0	HGE-0421210	42.5	12.5	1.0
HGE-0140710	14.5	7.5	1.0	HGE-0451210	45	12.5	1.0
HGE-0150710	15.5	7.5	1.0	HGE-0481210	48	12.5	1.0
HGE-0160710	16.5	7.5	1.0	HGE-0521110	52	11.5	1.0
HGE-0170510	17	5.0	1.0	HGE-0521215	52	12.0	1.5
HGE-0170512	17	5.0	1.2	HGE-0561210	56	12.5	1.0
HGE-0170710	17.5	7.5	1.0	HGE-0611410	61	14.0	1.0
HGE-0180710	18.5	7.5	1.0	HGE-0611512	61.5	15.0	1.2
HGE-0200410	20	4.5	1.0	HGE-0641410	64.5	14.0	1.0
HGE-0220710	22	7.5	1.0	HGE-0641420	64	14.0	2.0
HGE-0240710	24	7.5	1.0	HGE-0641425	64	14.0	2.5
HGE-0267212	26	7.5	1.2	HGE-0641434	64	14.0	3.4
HGE-0267215	26	7.2	1.5	HGE-0641512	64.5	15.0	1.2
HGE-0260810	26	8.5	1.0	HGE-0651415	65	14.0	1.5
HGE-0280810	28	8.5	1.0	HGE-0681410	68	14.0	1.0
HGE-0300810	30	8.5	1.0	HGE-0721215	72	12.0	1.5
HGE-0320910	32.5	9.5	1.0	HGE-0721512	72	15.0	1.2
HGE-0340910	34.5	9.5	1.0	HGE-0722412	72	24.0	1.2
HGE-0361010	36.5	10.5	1.0	HGE-0722415	72	24.0	1.5
HGE-0361210	36.5	12.5	1.0	HGE-0732115	73	21.0	1.5

锯片铣刀毛坯

Blanks for milling saw blades

型号 TYPE	尺寸 Dimension			型号 TYPE	尺寸 Dimension		
	D	d	S		D	d	S
HGE-0762015	76.5	20.5	1.5	HGE-1133015	113	30	1.5
HGE-0762020	76.5	20.5	2.0	HGE-1133020	113	30	2.0
HGE-0762415	76.5	24.0	1.5	HGE-1133025	113	30	2.5
HGE-0782415	78	24.0	1.5	HGE-1133033	113	30	3.3
HGE-0832015	83	20.5	1.5	HGE-1153015	115	30	1.5
HGE-0832413	83	24.0	1.3	HGE-1153020	115	30	2.0
HGE-0832415	83	24.0	1.5	HGE-1153025	115	30	2.5
HGE-0833015	83	30.0	1.5	HGE-1153033	115	30	3.3
HGE-0852515	85	25.5	1.5	HGE-1182215	118	22	1.5
HGE-1022015	102	20.0	1.5	HGE-1182220	118	22	2.0
HGE-1033015	103	30.0	1.5	HGE-1182225	118	22	2.5
HGE-1033020	103	30.0	2.0	HGE-1183015	118	30	1.5
HGE-1033025	103	30.0	2.5	HGE-1183020	118	30	2.0
HGE-1033030	103	30.0	3.0	HGE-1282315	128	23	1.5
HGE-1033033	103	30.0	3.3	HGE-1282320	128	23	2.0
HGE-1083015	108	30.0	1.5	HGE-1282325	128	23	2.5
HGE-1083020	108	30.0	2.0	HGE-2036843	203	68	4.3
HGE-1083025	108	30.0	2.5	HGE-2507035	250	70	3.5
HGE-1083033	108	30.0	3.3				

圆片切刀技术条件

Technical specifications for disc cutters

尺寸 Dimension						平面度 Flatness
D		d		S		
≤128	+2.0 -0.5	≤30	-0.5 -1.5	≤3.3	+0.2 -0.1	≤0.3
203	+1.9 -1.0	68	+0.5 -1.0	4.3	±0.3	≤0.3
250	+4.5 -1.5	70	-1.0 -3.0	3.5	+2.0 -1.0	≤0.3

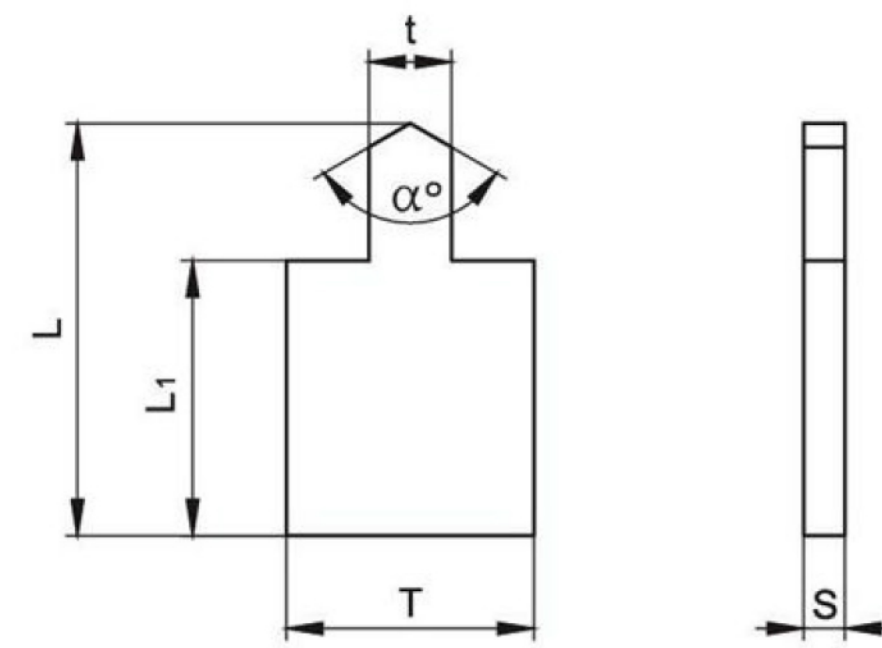
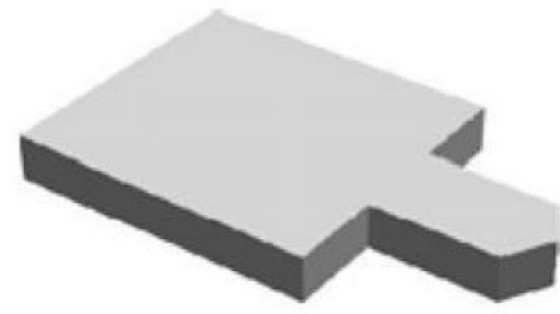
首选材质: YS2T YG8

First optional grades: YS2T YG8

保孔刀具毛坯

Blank for hole fixation

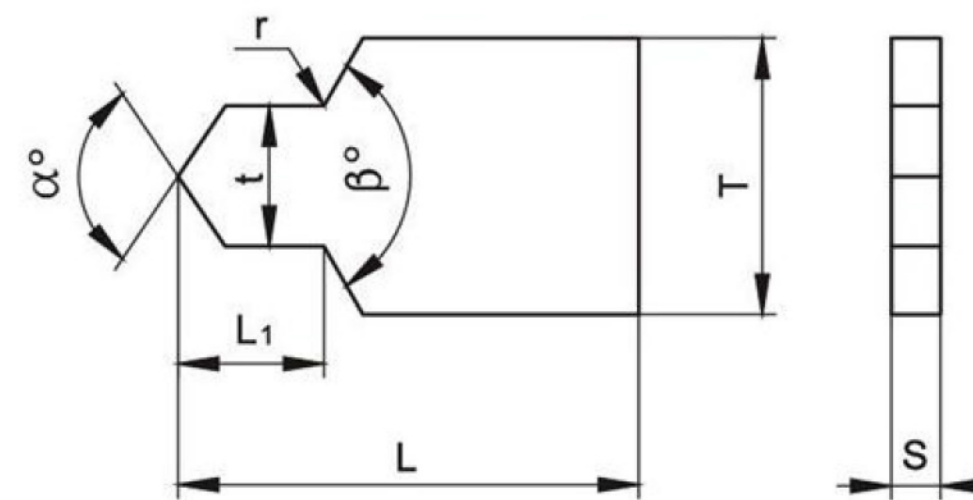
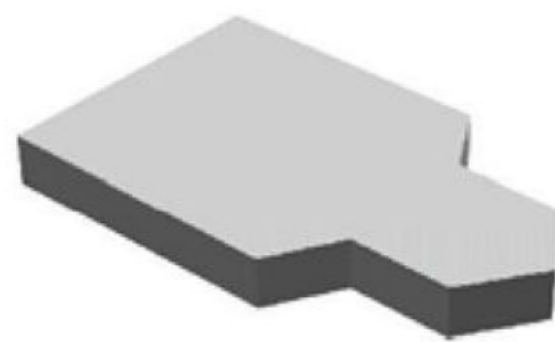
A 型
Type A



mm

型号 TYPE	尺寸 Dimension					
	L	T	S	L ₁	t	α°
HWA2801030	28	10.6	3	20	6	120
HWA3001830	30	18	3	12	12	120

B 型
Type B

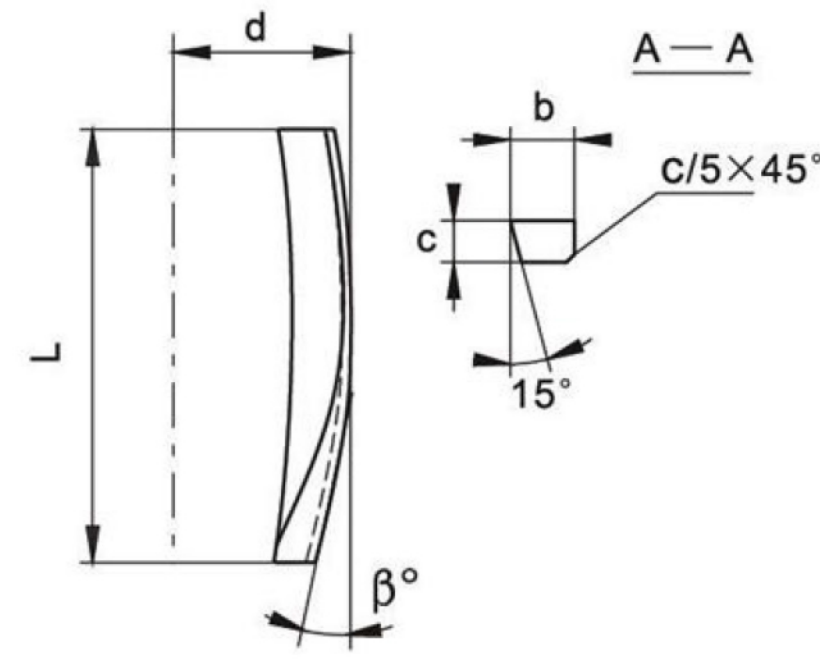


mm

型号 TYPE	尺寸 Dimension							
	L	T	S	L ₁	t	α°	β°	r
HWB-3001732	30	17.5	3.2	-	9.2	120	120	0.5
HWB-3051630	30.5	16.8	3	9.5	8.8	120	120	0.3
HWB-3051930	30.5	19	3	10.5	9.7	112	120	-
HWB-3702435	37	24.7	3.5	14	12.2	112	120	-
HWB-3752330	37.5	23.4	3	11	10.8	120	118	0.3
HWB-4005212	40	52	12	12	12	116	116	-
HWB-5001850	50	18	5	25	12.5	120	120	-

螺旋铣刀用硬质合金

Blanks of spiral milling inserts



mm

型号 TYPE	尺寸 Dimension			
	β°	d	L	b×c
L200726	20	7.0	26	1.4X2.5
L250826	25	8.0	26	1.4X2.5
L251026	25	10.0	26	1.4X2.5
L251126	25	11.0	26	1.4X2.5
L251226	25	12.0	26	1.8X3
L251326	25	13.0	26	1.8X3
L251432	25	14.0	32	2.2X3.3
L251632	25	16.0	32	2.2X3.3
L251732	25	17.0	32	2.2X3.3
L251838	25	18.0	38	2.3X3.5
L251938	25	19.0	38	2.3X3.5
L252038	25	20.0	38	2.3X3.5
L252138	25	21.0	38	2.3X3.5
L252238	25	22.0	38	2.3X3.5
L252445	25	24.0	45	2.6X4
L252545	25	25.0	45	2.6X4
L252645	25	26.0	45	2.6X4
L302745	30	27.0	45	2.9X4.5
L302845	30	28.0	45	2.9X4.5
L303053	30	30.0	53	2.9X4.5
L303253	30	32.0	53	2.9X4.5
L303453	30	34.0	53	2.9X4.5
L303653	30	36.0	53	2.9X4.5
L303853	30	38.0	53	3.1X5
L304053	30	40.0	53	3.1X5
L304253	30	42.0	53	3.1X5
L304453	30	44.0	53	3.1X5
L304653	30	46.0	53	3.1X5
L304853	30	48.0	53	3.1X5
L305053	30	50.0	53	3.1X5
L305663	30	56.0	63	3.1X5.6
L306363	30	63.0	63	3.1X5.6
L388054*	38° 30'	80.0	45	3X6
L3010050*	30	100	50	3X6

注：“*”非标界定：相应轴向长（L）增加3mm以上或毛坯截面尺寸不符合以上标准者。
Note: (*)Are special products: The length in the axial direction is added 3mm and above or the section area is different.

首选材质：YG8、YS25
First optional grades: YG8,YS25

除表中一些标准规格产品外，可根据用户要求提供各种非标产品（刀片长度，螺旋角及旋向可随用户自定）。
Special products can be supplied except the standard products listed in the table(Length, spiral angle and spiral direction is up to customers to decide.