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常州市人从众合金材料有限公司
Changzhou RCZ Cemented Carbide Materials Co., Ltd.

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常州市人从众合金材料有限公司
Changzhou RCZ Cemented Carbide Materials Co., Ltd.



Precision In Every Cut

志存高远 精于毫厘

企业简介
Company Profile

关于我们 / About Us

专注于硬质合金数控切削刀具的研发、生产与销售，为制造业客户提供高性能刀具产品及定制化切削解决方案。
We are specializing in the R&D, manufacturing, and sales of cemented carbide CNC cutting tools, delivering high-performance products and customized cutting solutions for the manufacturing industry.

产品体系 / Product Portfolio

产品涵盖硬质合金整体立铣刀、钻头、铰刀、可转位刀具、加工中心专用刀具、刀柄等全系列数控切削刀具，支持非标定制，广泛适配汽车制造、航空航天、精密模具、3C电子、新能源等领域。
We build up the production lines of cemented carbide end mills, drills, reamers, indexable cutting tools, machining center cutting tools, and tool holders, along with non-standard tools customized to specific requirements, serving industries including automotive, aerospace, precision mold making, 3C electronics, and new energy, etc.

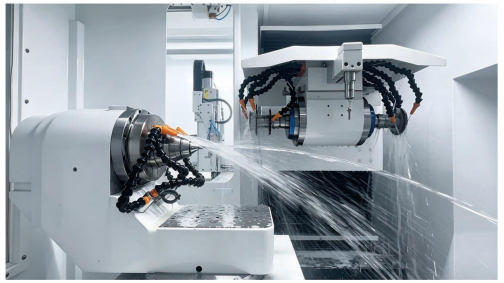
品质保障 / Quality Assurance

严选优质国产及进口硬质合金棒材，配备高端数控磨削设备与精密检测仪器，全流程质量管控，确保每把刀具精度稳定、性能可靠。
We select premium domestic and imported carbide rods, equipped with advanced CNC grinding machines and precision inspection instruments. Our full-process quality control ensures consistent precision and reliable performance in every tool.

服务承诺 / Service Commitment

提供从刀具选型、工艺优化到加工难题攻关的全方位技术服务，帮助客户提升效率、降低成本、保障品质。秉持"质量第一、信誉至上、交期保障"的经营宗旨，做您值得信赖的刀具合作伙伴。
We offer comprehensive technical services— from tool selection and process optimization to solving machining challenges — helping clients improve efficiency, reduce costs, and ensure quality. Guided by “Quality First, Reputation Foremost, Prompt Delivery”, we strive to be your trusted cutting tool partner.

工厂 Factory

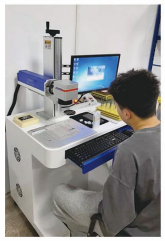












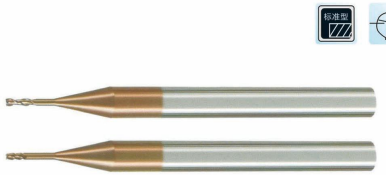


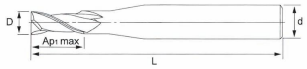
Milling Tools



CARBIDE END MILLS

微小径2/4刃立铣刀 2/4 Flute Micro Flat End Mill





一般切削用General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※被加工材质 Workpiece Materials

60系列					
50系列					
碳素钢	合金钢	铸铁	铜合金	淬火钢	不锈钢
P20 S45C	SCM SK	FC FCD	CU	SKD	SUS
●	●	●	●	●	●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ0.2~Φ0.95	0.~-0.02	h6

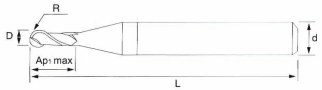
产品编号 Part Number	刃径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
A-04D0002	0.2	4	0.4	50	●	●
A-04D0003	0.3	4	0.6	50	●	●
A-04D0004	0.4	4	0.8	50	●	●
A-04D0005	0.5	4	1.0	50	●	●
A-04D0006	0.6	4	1.2	50	●	●
A-04D0007	0.7	4	1.4	50	●	●
A-04D0008	0.8	4	1.6	50	●	●
A-04D0009	0.9	4	1.8	50	●	●
A-03D0002	0.2	3	0.4	40	●	●
A-03D0003	0.3	3	0.6	40	●	●
A-03D0004	0.4	3	0.8	40	●	●
A-03D0005	0.5	3	1.0	40	●	●
A-03D0006	0.6	3	1.2	40	●	●
A-03D0007	0.7	3	1.4	40	●	●
A-03D0008	0.8	3	1.6	40	●	●
A-03D0009	0.9	3	1.8	40	●	●

★ 刀具悬伸量请选用所需要的最小尺寸，悬伸量过大时容易发生振动，故要降低转速、进给速度。
★ 请根据切深、机床刚性等使用情况，合理调整转速和进给速度。
★ 采用耐热性优良的涂层，可进行高速加工。
★ 广泛用于从普通钢到硬度为 HRC 50 以上的高硬度材料的加工。

★ Minimize tool overhang. Excessive overhang may cause vibration –reduce spindle speed and feed rate accordingly.
★ Adjust spindle speed and feed rate based on depth of cut, machine rigidity, and other conditions.
★ Heat-resistant coating enables high-speed machining.
★ Suitable for materials from plain carbon steel to high-hardness workpieces above HRC 50.

微小径2刃球型立铣刀 2 Flute Micro Ball Nose End Mill





一般切削用 General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※ 被加工材质 Workpiece Materials

60系列					
50系列					
碳素钢	合金钢	铸铁	铜合金	淬火钢	不锈钢
P20 S45C	SCM SK	FC FCD	CU	SKD	SUS
●	●	●	●	●	●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ0.3~Φ0.9	0.~-0.02	h6

产品编号 Part Number	球头半径 (R)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory	
					50系列	60系列
B-04D0003	R0.15	4	0.6	50	●	●
B-04D0004	R0.20	4	0.8	50	●	●
B-04D0005	R0.25	4	1.0	50	●	●
B-04D0006	R0.30	4	1.2	50	●	●
B-04D0007	R0.35	4	1.4	50	●	●
B-04D0008	R0.40	4	1.6	50	●	●
B-04D0009	R0.45	4	1.8	50	●	●

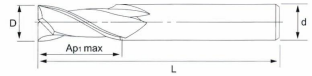
★ 通用型2刃球头立铣刀，可广泛用于仿形加工等用途。
★ 可获得良好的工件表面粗糙度。
★ 采用高耐热性涂层，可进行高速加工。
★ 可用于工具钢、合金钢、预硬模具钢及其他高硬度材料的加工。

★ General-purpose 2-flute ball nose end mill, widely applicable to profile machining and other working conditions.
★ Deliver excellent surface finish
★ Heat-resistant coating enables high-speed machining.
★ Suitable for machining tool steel, alloy steel, pre-hardened mold steel, and other high-hardness materials.

人从众硬质合金刀具
RCZ Carbide Cutting Tools
铣削系列 Milling Tools

2/3/4刃立铣刀 2/3/4 Flute Flat End Mill





一般切削用 General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※被加工材质 Workpiece Materials

60系列					
50系列					
碳素钢	合金钢	铸铁	铜合金	淬火钢	不锈钢
P20 S45C	SCM SK	FC FCD	CU	SKD	SUS
●	●	●	●	●	●

※公差 Tolerance

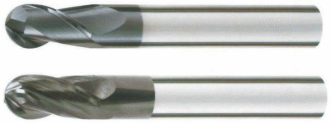
刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ1.0~Φ2.9	0.~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	h6
Φ6.5~Φ10.5	-0.01~-0.035	h6
Φ11.0~Φ16.0	-0.01~-0.04	h6
Φ17.0~Φ20.0	-0.015~-0.045	h6

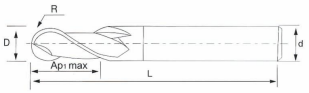
产品编号 Part Number	刃径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory	
					50系列	60系列
C-04D0010	1.0	4	3	50	●	●
C-04D0015	1.5	4	4	50	●	●
C-04D0020	2.0	4	6	50	●	●
C-04D0025	2.5	4	8	50	●	●
C-04D0030	3.0	3	8	50	●	●
C-04D0035	3.5	4	11	50	●	●
C-04D0040	4.0	4	11	50	●	●
C-06D0010	1.0	6	3	50	●	●
C-06D0015	1.5	6	4	50	●	●
C-06D0020	2.0	6	6	50	●	●
C-06D0025	2.5	6	8	50	●	●
C-06D0030	3.0	6	8	50	●	●
C-06D0035	3.5	6	11	50	●	●
C-06D0040	4.0	6	11	50	●	●
C-06D0045	4.5	6	13	50	●	●
C-05D0050	5.0	5	13	50	●	●
C-06D0060	6.0	6	15	50	●	●
C-08D0070	7.0	8	20	60	●	●
C-08D0080	8.0	8	20	60	●	●
C-10D0090	9.0	10	25	75	●	●
C-10D0100	10.0	10	25	75	●	●
C-12D0120	12.0	12	30	75	●	●
C-14D0140	14.0	14	45	100	●	●
C-16D0160	16.0	16	45	100	●	●
C-18D0180	18.0	18	45	100	●	●
C-20D0200	20.0	20	45	100	●	●

★ 刀具悬伸量请选用所需要的最小尺寸，悬伸量过大时容易发生振动，故要降低转速、进给速度。
★ 请根据切深、机床刚性等使用情况，合理调整转速和进给速度。

★ Minimize tool overhang. Excessive overhang may cause vibration -reduce spindle speed and feed rate accordingly.
★ Adjust spindle speed and feed rate based on depth of cut, machine rigidity, and other conditions.

2/4刃球型立铣刀 2/4 Flute Ball Nose End Mill





一般切削用 General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※被加工材质 Workpiece Materials

60系列					
50系列					
碳素钢	合金钢	铸铁	铜合金	淬火钢	不锈钢
P20 S45C	SCM SK	FC FCD	CU	SKD	SUS
●	●	●	●	●	●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	h6
Φ6.5~Φ10.9	-0.01~-0.035	h6
Φ11.0~Φ16.5	-0.01~-0.04	h6
Φ17.0~Φ20.0	-0.015~-0.045	h6

产品编号 Part Number	球头半径 (R)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
D-04D0010	R0.5	4	2	50	●	●
D-04D0015	R0.75	4	3	50	●	●
D-04D0020	R1	4	4	50	●	●
D-04D0025	R1.25	4	5	50	●	●
D-04D0030	R1.5	3	6	50	●	●
D-04D0030	R1.5	4	6	50	●	●
D-04D0040	R2	4	8	50	●	●
D-06D0010	R0.5	6	2	50	●	●
D-06D0015	R0.75	6	3	50	●	●
D-06D0020	R1	6	4	50	●	●
D-06D0025	R1.25	6	5	50	●	●
D-06D0030	R1.5	6	6	50	●	●
D-06D0040	R2	6	8	50	●	●
D-05D0050	R2.5	5	10	50	●	●
D-06D0050	R2.5	6	10	50	●	●
D-06D0060	R3	6	12	50	●	●
D-08D0080	R4	8	16	60	●	●
D-10D0100	R5	10	20	75	●	●
D-12D0120	R6	12	25	75	●	●
D-16D0160	R8	16	30	100	●	●
D-20D0200	R10	20	30	100	●	●

★ 通用型2刃球头立铣刀，可广泛用于仿形加工等用途。
★ 可获得良好的工件表面粗糙度。
★ 采用高耐热性涂层，可进行高速加工。
★ 可用于工具钢、合金钢、预硬模具钢及其他高硬度材料的加工。

★ General-purpose 2-flute ball nose end mill, widely applicable to profile machining and other operations.
★ Deliver excellent surface finish
★ Heat-resistant coating enables high-speed machining.
★ Suitable for machining tool steel, alloy steel, pre-hardened mold steel, and other high-hardness materials.

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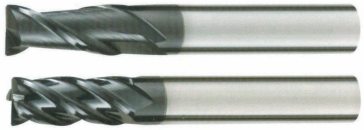
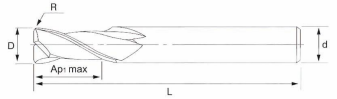
RCZ Carbide Cutting Tools
铣削系列 Milling Tools

2刃圆弧立铣刀 2 Flute Corner Radius End Mill





一般切削用 General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※被加工材质 Workpiece Materials

60系列					
50系列					
碳素钢	合金钢	铸铁	铜合金	淬火钢	不锈钢
P20 S45C	SCM SK	FC FCD	CU	SKD	SUS
●	●	●	●	●	●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ1.0~Φ2.9	0.~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	h6
Φ6.5~Φ10.5	-0.01~-0.035	h6
Φ11.0~Φ12.0	-0.01~-0.04	h6

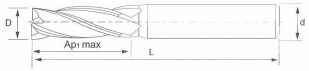
产品编号 Part Number	刃径 (D)	R	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
E-04D0020R05	2.0	R0.5	4	4	50	●	●
E-04D0030R05	3.0	R0.5	4	5	50	●	●
E-04D0040R05	4.0	R0.5	4	8	50	●	●
E-04D0040R10	4.0	R1	4	8	50	●	●
E-06D0060R05	6.0	R0.5	6	12	50	●	●
E-06D0060R10	6.0	R1	6	12	50	●	●
E-08D0080R05	8.0	R0.5	8	16	60	●	●
E-08D0080R10	8.0	R1	8	16	60	●	●
E-08D0080R15	8.0	R1.5	8	16	60	●	●
E-10D0100R05	10.0	R0.5	10	20	75	●	●
E-10D0100R10	10.0	R1	10	20	75	●	●
E-10D0100R15	10.0	R1.5	10	20	75	●	●
E-120D120R05	12.0	R0.5	12	24	75	●	●
E-120D120R10	12.0	R1	12	24	75	●	●
E-120D120R15	12.0	R1.5	12	24	75	●	●
E-120D120R20	12.0	R2	12	24	75	●	●

★ 圆弧角刀尖设计可防止崩刃。

★ Corner radius design prevents edge chipping.

高螺旋4刃立铣刀 4 Flute High Helix Flat End Mill





一般切削用 General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※被加工材质 Workpiece Materials

60系列					
50系列					
碳素钢	合金钢	铸铁	铜合金	淬火钢	不锈钢
P20 S45C	SCM SK	FC FCD	CU	SKD	SUS
●	●	●	●	●	●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	h6
Φ6.5~Φ10.9	-0.01~-0.035	h6
Φ11.0~Φ16.5	-0.01~-0.04	h6
Φ17.0~Φ20.0	-0.015~-0.045	h6
Φ20.5~Φ25.0	-0.015~-0.05	h6

产品编号 Part Number	刃径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
F-04D0010	1.0	4	3	50	●	●
F-04D0015	1.5	4	4	50	●	●
F-04D0020	2.0	4	6	50	●	●
F-04D0025	2.5	4	7	50	●	●
F-04D0030	3.0	4	8	50	●	●
F-04D0035	3.5	4	10	50		
F-04D0040	4.0	4	11	50	●	●
F-06D0045	4.5	6	13	50		
F-06D0050	5.0	6	13	50	●	●
F-06D0055	5.5	6	13	50		
F-06D0060	6.0	6	15	50	●	●
F-08D0065	6.5	8	17	60		
F-08D0070	7.0	8	17	60		
F-08D0075	7.5	8	17	60		
F-08D0080	8.0	8	20	60	●	●
F-10D0085	8.5	10	23	75		
F-10D0090	9.0	10	23	75		
F-10D0095	9.5	10	25	75		
F-10D0100	10.0	10	25	75	●	●
F-12D0105	10.5	12	25	75		
F-12D0110	11.0	12	28	75		
F-12D0115	11.5	12	28	75		
F-12D0120	12.0	12	30	75	●	●
F-14D0130	13.0	14	33	100		
F-14D0140	14.0	14	35	100		
F-16D0150	15.0	16	38	100		
F-16D0160	16.0	16	40	100	●	●
F-18D0170	17.0	18	40	100		
F-18D0180	18.0	18	40	100		
F-20D0190	19.0	20	40	100		
F-20D0200	20.0	20	40	100	●	●
F-25D0220	22.0	25	40	100		
F-25D0250	25.0	25	40	100		

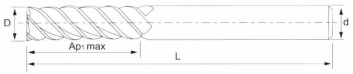
★ 刀具悬伸量请选用所需要的最小尺寸，悬伸量过大时容易发生振动，故要降低转速、进给速度。
★ 请根据切深、机床刚性等使用情况，合理调整转速和进给速度。
★ 采用耐热性优良的涂层，可进行高速加工。
★ 广泛用于从普通钢到硬度为 HRC 50 以上的高硬度材料的加工。

★ Minimize tool overhang. Excessive overhang may cause vibration — reduce spindle speed and feed rate accordingly.
★ Adjust spindle speed and feed rate based on depth of cut, machine rigidity, and other conditions.
★ Heat-resistant coating enables high-speed machining.
★ Suitable for materials from plain carbon steel to high-hardness workpieces above HRC 50.

人从众硬质合金刀具
RCZ Carbide Cutting Tools
铣削系列 Milling Tools

6刃立铣刀 6 Flute Flat End Mill





一般切削用 General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※被加工材质 Workpiece Materials

60系列					
50系列					
碳素钢	合金钢	铸铁	铜合金	淬火钢	不锈钢
P20 S45C	SCM SK	FC FCD	CU	SKD	SUS
●	●	●	●	●	●

※公差 Tolerance

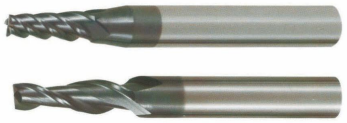
刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ6.0~Φ10.0	-0.01~-0.035	h6
Φ12.0~Φ16.0	-0.01~-0.04	h6
Φ20.0~Φ25.0	-0.015~-0.05	h6

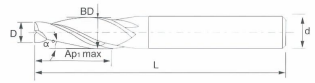
产品编号 Part Number	刃径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
G-06D0060	6.0	6	15	50	●	●
G-08D0080	8.0	8	20	60	●	●
G-10D0100	10.0	10	25	75	●	●
G-12D0120	12.0	12	30	75	●	●
G-16D0160	16.0	16	40	100	●	●
G-20D0200	20. 0	20	40	100	●	●
G-25D0250	25. 0	25	45	100	●	●

★ 可进行高速、高进给切削，可获得良好的表面粗糙度。
★ 采用高耐热性涂层，可用于干式加工。
★ 刚性好，适用于淬火钢的加工。

★ Capable of high-speed, high-feed cutting, delivering excellent surface finish.
★ Heat-resistant coating enables dry machining.
★ High rigidity, suitable for machining hardened steel.

2/4刃锥度立铣刀 2/4 Flute Taper Flat End Mill





一般切削用General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※被加工材质 Workpiece Materials

60系列				
50系列				
碳素钢	合金钢	铸铁	铜合金	淬火钢
P20 S45C	SCM SK	FC FCD	CU	SKD
●	●	●	●	●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ3.0~Φ10.0	0~-0.05	h6

产品编号 Part Number	先端径 (D)	柄径 (d)	斜度 (α°)	粗端径 (BD)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
H-04D0030T005	3.0	4	0.5°	3.17	10	50	●	●
H-04D0030T010	3.0	4	1.0°	3.35	10	50	●	●
H-04D0030T015	3.0	4	1.5°	3.52	10	50	●	●
H-04D0030T020	3.0	4	2.0°	3.70	10	50	●	●
H-04D0030T030	3.0	6	3.0°	4.05	10	50	●	●
H-04D0030T040	3.0	6	4.0°	4.05	10	50	●	●
H-04D0030T050	3.0	6	5.0°	4.75	10	50	●	●
H-06D0040T005	4.0	6	0.5°	4.26	15	50	●	●
H-06D0040T010	4.0	6	1.0°	4.52	15	50	●	●
H-06D0040T015	4.0	6	1.5°	4.79	15	50	●	●
H-06D0040T020	4.0	6	2.0°	5.05	15	50	●	●
H-06D0040T030	4.0	6	3.0°	5.57	15	50	●	●
H-08D0040T040	4.0	8	4.0°	5.57	15	60	●	●
H-08D0040T050	4.0	8	5.0°	6.62	15	60	●	●
H-06D0050T005	5.0	6	0.5°	5.35	20	60	●	●
H-06D0050T010	5.0	6	1.0°	5.70	20	60	●	●
H-08D0050T015	5.0	8	1.5°	6.05	20	60	●	●
H-08D0050T020	5.0	8	2.0°	6.40	20	60	●	●
H-08D0050T030	5.0	8	3.0°	7.10	20	60	●	●
H-10D0050T040	5.0	10	4.0°	7.10	20	60	●	●
H-10D0050T050	5.0	10	5.0°	8.50	20	60	●	●
H-08D0060T005	6.0	8	0.5°	6.35	20	60	●	●
H-08D0060T010	6.0	8	1.0°	6.70	20	60	●	●
H-08D0060T015	6.0	8	1.5°	7.05	20	60	●	●
H-08D0060T020	6.0	8	2.0°	7.40	20	60	●	●
H-10D0060T030	6.0	10	3.0°	8.10	20	75	●	●
H-10D0060T040	6.0	10	4.0°	8.10	20	75	●	●
H-10D0060T050	6.0	10	5.0°	9.50	20	75	●	●
H-10D0080T005	8.0	10	0.5°	8.44	25	75	●	●
H-10D0080T010	8.0	10	1.0°	8.87	25	75	●	●
H-10D0080T015	8.0	10	1.5°	9.31	25	75	●	●
H-10D0080T020	8.0	10	2.0°	9.75	25	75	●	●
H-12D0080T030	8.0	12	3.0°	10.62	25	75	●	●
H-12D0080T040	8.0	12	4.0°	10.62	25	75	●	●
H-12D0080T050	8.0	12	5.0°	12.37	25	75	●	●
H-12D0100T005	10.0	12	0.5°	10.61	25	100	●	●
H-12D0100T010	10.0	12	1.0°	11.22	35	100	●	●
H-12D0100T015	10.0	12	1.5°	11.83	35	100	●	●
H-12D0100T020	10.0	12	2.0°	12.44	35	100	●	●
H-12D0100T030	10.0	12	3.0°	13.67	35	100	●	●
H-16D0100T040	10.0	16	4.0°	13.67	35	100	●	●
H-16D0100T050	10.0	16	5.0°	16.00	34.2	100	●	●

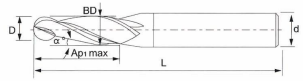
★ 可获得良好的工件表面粗糙度。
★ 采用高耐热性涂层，可进行高速加工。
★ 可用于工具钢、合金钢、预硬模具钢及其他高硬度材料的加工。

★ Delivers excellent surface finish
★ Heat-resistant coating enables high-speed machining.
★ Suitable for machining tool steel, alloy steel, pre-hardened mold steel, and other high-hardness materials.

人从众硬质合金刀具
RCZ Carbide Cutting Tools
铣削系列 Milling Tools

2刃锥度球型立铣刀 2 Flute Taper Ball Nose End Mill





一般切削用General purpose

50系列 0.6μm HRC≤50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AITIN

※被加工材质 Workpiece Materials

60系列				
50系列				
碳素钢	合金钢	铸铁	铜合金	淬火钢
P20 S45C	SCM SK	FC FCD	CU	SKD
●	●	●	●	●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ3.0~Φ10.0	0~-0.05	h6

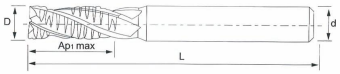
产品编号 Part Number	先端径 (D)	柄径 (d)	斜度 (α°)	粗端径 (BD)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
I-04D0030T05	R1.5	4	0.5°	3.32	20	60	●	●
I-04D0030T10	R1.5	4	1.0°	3.65	20	60	●	●
I-04D0030T15	R1.5	4	1.5°	3.97	20	60	●	●
I-04D0030T20	R1.5	4	2.0°	4.29	20	60	●	●
I-06D0030T30	R1.5	6	3.0°	4.94	20	60	●	●
I-06D0030T40	R1.5	6	4.0°	5.60	20	60	●	●
I-06D0030T50	R1.5	6	5.0°	6.25	20	60	●	●
I-06D0040T05	R2.0	6	0.5°	4.40	25	75	●	●
I-06D0040T10	R2.0	6	1.0°	4.80	25	75	●	●
I-06D0040T15	R2.0	6	1.5°	5.21	25	75	●	●
I-06D0040T20	R2.0	6	2.0°	5.61	25	75	●	●
I-06D0040T30	R2.0	6	3.0°	6.42	25	75	●	●
I-08D0040T40	R2.0	8	4.0°	7.23	25	75	●	●
I-08D0040T50	R2.0	8	5.0°	8.04	25	75	●	●
I-06D0050T05	R2.5	6	0.5°	5.48	30	75	●	●
I-06D0050T10	R2.5	6	1.0°	5.96	30	75	●	●
I-08D0050T15	R2.5	8	1.5°	6.44	30	75	●	●
I-08D0050T20	R2.5	8	2.0°	6.92	30	75	●	●
I-08D0050T30	R2.5	8	3.0°	7.89	30	75	●	●
I-10D0050T40	R2.5	10	4.0°	8.86	30	75	●	●
I-10D0050T50	R2.5	10	5.0°	9.83	30	75	●	●
I-08D0060T05	R3.0	8	0.5°	6.56	35	100	●	●
I-08D0060T10	R3.0	8	1.0°	7.12	35	100	●	●
I-08D0060T15	R3.0	8	1.5°	7.68	35	100	●	●
I-08D0060T20	R3.0	8	2.0°	8.24	35	100	●	●
I-10D0060T30	R3.0	10	3.0°	9.36	35	100	●	●
I-12D0060T40	R3.0	12	4.0°	10.49	35	100	●	●
I-12D0060T50	R3.0	12	5.0°	11.62	35	100	●	●
I-10D0080T05	R4.0	10	0.5°	8.63	40	100	●	●
I-10D0080T10	R4.0	10	1.0°	9.26	40	100	●	●
I-10D0080T15	R4.0	10	1.5°	9.89	40	100	●	●
I-12D0080T20	R4.0	12	2.0°	10.52	40	100	●	●
I-12D0080T30	R4.0	12	3.0°	11.78	40	100	●	●
I-16D0080T40	R4.0	16	4.0°	13.05	40	100	●	●
I-16D0080T50	R4.0	16	5.0°	14.33	40	100	●	●
I-12D0100T05	R5.0	12	0.5°	10.70	45	100	●	●
I-12D0100T10	R5.0	12	1.0°	11.40	45	100	●	●
I-12D0100T15	R5.0	12	1.5°	12.10	45	100	●	●
I-16D0100T20	R5.0	16	2.0°	12.80	45	100	●	●
I-16D0100T30	R5.0	16	3.0°	14.20	45	100	●	●
I-16D0100T40	R5.0	16	4.0°	15.62	45	100	●	●
I-20D0100T50	R5.0	20	5.0°	17.04	45	100	●	●

★ 刀可获得良好的工件表面粗糙度。
★ 采用高耐热性涂层，可进行高速加工。
★ 可用于工具钢、合金钢、预硬模具钢及其他高硬度材料的加工。

★ Delivers excellent surface finish
★ Heat-resistant coating enables high-speed machining.
★ Suitable for machining tool steel, alloy steel, pre-hardened mold steel, and other high-hardness materials.

3/4刃波刃立铣刀 3/4 Flute Roughing End Mill





一般切削用General purpose

50系列 0.6μm HRC≤50 AlTiN

高速机切削用 High speed cutting

60系列 0.2μm HRC≤60 AlTiN

※被加工材质 Workpiece Materials

60系列					
50系列					
碳素钢	合金钢	铸铁	铜合金	淬火钢	不锈钢
P20 S45C	SCM SK	FC FCD	CU	SKD	SUS
●	●	●	●	●	●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ6.0	−0.01~−0.03	h6
Φ7.0~Φ10.0	−0.01~−0.035	h6
Φ11.0~Φ16.0	−0.01~−0.04	h6
Φ17.0~Φ20.0	−0.015~−0.045	h6

产品编号 Part Number	刃径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
J-06D0040	4.0	4	12	50	●	●
J-06D0060	6.0	6	15	50	●	●
J-08D0080	8.0	8	20	60	●	●
J-10D0100	10.0	10	25	75	●	●
J-12D0120	12.0	12	30	75	●	●
J-14D0140	14.0	14	40	85	●	●
J-16D0160	16.0	16	45	100	●	●
J-18D0180	18.0	18	45	100	●	●
J-20D0200	20. 0	20	45	100	●	●

★ 长柄型设计，特别适用于深腔加工。
★ 排屑性能良好，特别适用于高速切削和沟槽加工。
★ 采用粗齿刃槽设计，可获得良好的工件表面粗糙度。
★ 可用于工具钢、合金钢、预硬模具钢及其他高硬度材料的加工。

★ Long neck design, ideal for deep cavity machining.
★ Excellent chip evacuation, ideal for high-speed cutting and slot machining.
★ Coarse pitch flute design delivers excellent surface finish.
★ Suitable for machining tool steel, alloy steel, pre-hardened mold steel, and other high-hardness materials.

人从众硬质合金刀具
RCZ Carbide Cutting Tools
铣削系列 Milling Tools

铝用2/3刃立铣刀 2/3 Flute Flat End Mill for Aluminum





一般切削用General purpose

50系列

高速机切削用 High speed cutting

60系列

※被加工材质 Workpiece Materials

铝合金
Aluminum Alloy
●

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ1.0~Φ2.9	0~−0.02	h6
Φ3.0~Φ6.0	−0.01~−0.03	h6
Φ6.5~Φ10.5	−0.01~−0.035	h6
Φ11.0~Φ16.0	−0.01~−0.04	h6
Φ17.0~Φ20.0	−0.015~−0.045	h6

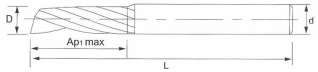
产品编号 Part Number	刃径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存/Inventory 50系列	60系列
K-04D0010	1.0	4	3	50	●	●
K-04D0015	1.5	4	4	50	●	●
K-04D0020	2.0	4	6	50	●	●
K-04D0025	2.5	4	8	50	●	●
K-04D0030	3.0	4	8	50	●	●
K-04D0040	4.0	4	11	50	●	●
K-06D0050	5.0	6	13	50	●	●
K-06D0060	6.0	6	15	50	●	●
K-08D0080	8.0	8	20	60	●	●
K-10D0100	10.0	10	25	75	●	●
K-12D0120	12.0	12	30	75	●	●
K-14D0140	14.0	14	45	100	●	●
K-16D0160	16.0	16	45	100	●	●
K-18D0180	18.0	18	45	100	●	●
K-20D0200	20. 0	20	45	100	●	●

★ 刀具悬伸量请选用所需要的最小尺寸，悬伸量过大时容易发生振动，故要降低转速、进给速度。
★ 请根据切深、机床刚性等使用情况，合理调整转速和进给速度。

★ Minimize tool overhang. Excessive overhang may cause vibration — reduce spindle speed and feed rate accordingly.
★ Adjust spindle speed and feed rate based on depth of cut, machine rigidity, and other conditions.

铝用单刃铣刀 Single Flute End Mill for Aluminum





※被加工材质 Workpiece Materials

铝合金
Aluminum Alloy
●

一般切削用 General purpose

50系列

高速机切削用 High speed cutting

60系列

※公差 Tolerance

刃部直径 D size range	刃部直径公差 D tolerance	柄部直径公差 d tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	h6
Φ6.5~Φ10.5	-0.01~-0.035	h6
Φ11.0~Φ16.0	-0.01~-0.04	h6
Φ17.0~Φ20.0	-0.015~-0.045	h6

产品编号 Part Number	刃径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存 / Inventory 50系列	60系列
L-D0010L03	1	3.175	3	38.5	●	●
L-D0010L06	1	3.175	6	38.5	●	●
L-D0012L06	1.2	3.175	6	38.5	●	●
L-D0012L10	1.2	3.175	10	38.5	●	●
L-D0015L08	1.5	3.175	8	38.5	●	●
L-D0015L12	1.5	3.175	12	38.5	●	●
L-D0020L08	2	3.175	8	38.5	●	●
L-D0020L12	2	3.175	12	38.5	●	●
L-D0020L15	2	3.175	15	38.5	●	●
L-D0020L17	2	3.175	17	45	●	●
L-D0020L22	2	3.175	22	45	●	●
L-D0025L12	2.5	3.175	12	38.5	●	●
L-D0025L15	2.5	3.175	15	38.5	●	●
L-D0025L22	2.5	3.175	22	45	●	●
L-D3175L06	3.175	3.175	6	38.5	●	●
L-D3175L08	3.175	3.175	8	38.5	●	●
L-D3175L12	3.175	3.175	12	38.5	●	●
L-D3175L15	3.175	3.175	15	38.5	●	●
L-D3175L17	3.175	3.175	17	38.5	●	●
L-D3175L22	3.175	3.175	22	45	●	●
L-D3175L25	3.175	3.175	25	50	●	●
L-D3175L28	3.175	3.175	28	50	●	●
L-D3175L32	3.175	3.175	32	60	●	●
L-D3175L42	3.175	3.175	42	70	●	●
L-D0030L12	3	4	12	50	●	●
L-D0030L15	3	4	15	50	●	●
L-D0030L17	3	4	17	50	●	●
L-D0030L22	3	4	22	50	●	●
L-D0040L12	4	4	12	40	●	●

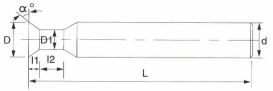
产品编号 Item Code	刃径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)	库存 / Inventory 50系列	60系列
L-D0040L15	4	4	15	40	●	●
L-D0040L17	4	4	17	40	●	●
L-D0040L22	4	4	22	45	●	●
L-D0040L25	4	4	25	50	●	●
L-D0040L28	4	4	28	50	●	●
L-D0040L32	4	4	32	60	●	●
L-D0040L42	4	4	42	70	●	●
L-D0040L52	4	4	52	80	●	●
L-D0050L17	5	5	18	50	●	●
L-D0050L22	5	5	22	50	●	●
L-D0050L32	5	5	32	60	●	●
L-D0030L12	3	3	12	50	●	●
L-D0030L17	3	3	17	50	●	●
L-D0040L17	4	4	17	50	●	●
L-D0040L22	4	4	22	50	●	●
L-D0050L22	5	5	22	50	●	●
L-D0050L25	5	5	25	55	●	●
L-D0060L17	6	6	17	50	●	●
L-D0060L22	6	6	22	50	●	●
L-D0060L25	6	6	25	50	●	●
L-D0060L32	6	6	32	60	●	●
L-D0060L42	6	6	42	70	●	●
L-D0060L52	6	6	52	80	●	●
L-D0080L32	8	8	32	80	●	●
L-D0100L32	10	10	32	80	●	●
L-D0120L32	12	12	32	80	●	●
L-D0140L32	14	14	32	100	●	●
L-D0140L42	14	14	42	100	●	●

人从众硬质合金刀具
RCZ Carbide Cutting Tools
铣削系列 Milling Tools

45/60度L型燕尾槽铣刀 45°/60° L-type Dovetail Groove End Mill







一般切削用 General purpose

50系列

高速机切削用 High speed cutting

60系列

※被加工材质 Workpiece Materials

55系列

碳素钢	合金钢	铸铁	铜合金	淬火钢
P20 S45C	SCM SK	FC FCD	CU	SKD
●	●	●	●	

产品编号 Part Number	刃径 (D)	柄径 (d)	角度 (α°)	颈径 (D1)	颈长 (l1)	刃长 (l2)	全长 (L)	库存 / Inventory 50系列	60系列
M-45-06D0050	5	6	45	2.5	4	1.2	60	●	●
M-45-06D0060	6	6	45	3.0	4	1.4	60	●	●
M-45-08D0080	8	8	45	4.0	5	1.9	60	●	●
M-45-10D0100	10	10	45	5.0	6	2.4	75	●	●
M-45-12D0120	12	12	45	6.0	7	2.9	75	●	●
M-60-06D0050	5	6	60	2.5	4	2.2	60	●	●
M-60-06D0060	6	6	60	3.0	4	2.7	60	●	●
M-60-08D0080	8	8	60	4.0	5	3.7	60	●	●
M-60-10D0100	10	10	60	5.0	6	4.6	75	●	●
M-60-12D0120	12	12	60	6.0	7	5.6	75	●	●

60/90/120度V型鸠尾槽铣刀 60°/90°/120° V-type Dovetail Groove End Mill





一般切削用General purpose

50系列 0.6μm HRC-50 AITIN

高速机切削用High speed cutting

60系列 0.2μm HRC-60 AITIN

※被加工材质 Workpiece Materials

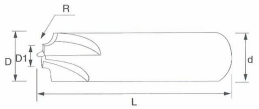
60系列				
50系列				
碳素钢	合金钢	铸铁	铜合金	淬火钢
P20 S45C	SCM SK	FC FCD	CU	SKD
●	●	●	●	

产品编号 Part Number	刃径 (D)	柄径 (d)	角度 (α°)	颈径 (D1)	颈长 (l1)	刃长 (l2)	全长 (L)	库存/Inventory 50系列	库存/Inventory 60系列
N-60-06D0050	5	6	60	2.3	4	1.5	60	●	●
N-60-06D0060	6	6	60	2.7	4	1.8	60	●	●
N-60-08D0080	8	8	60	3.6	5	2.4	60	●	●
N-60-10D0100	10	10	60	4.5	6	3.1	75	●	●
N-60-12D0120	12	12	60	5.4	7	3.7	75	●	●
N-90-06D0050	5	6	90	2.3	4	2.4	60	●	●
N-90-06D0060	6	6	90	2.7	4	2.8	60	●	●
N-90-08D0080	8	8	90	3.6	5	3.8	60	●	●
N-90-10D0100	10	10	90	4.5	6	4.8	75	●	●
N-90-12D0120	12	12	90	5.4	7	5.8	75	●	●
N-120-06D0050	5	6	120	2.3	4	4.4	60	●	●
N-120-06D0060	6	6	120	2.7	4	5.4	60	●	●
N-120-08D0080	8	8	120	3.6	5	7.7	60	●	●
N-120-10D0100	10	10	120	4.5	6	9.3	75	●	●
N-120-12D0120	12	12	120	5.4	7	11.2	75	●	●

人从众硬质合金刀具
RCZ Carbide Cutting Tools
铣削系列 Milling Tools

内角R刀2/3/4刃立铣刀 2/3/4 Flute Inner Corner Radius End Mill





一般切削用General purpose

50系列 0.6μm HRC-50 AITIN

高速机切削用 High speed cutting

60系列 0.2μm HRC-60 AITIN

※被加工材质 Workpiece Materials

60系列				
50系列				
碳素钢	合金钢	铸铁	铜合金	淬火钢
P20 S45C	SCM SK	FC FCD	CU	SKD
●	●	●	●	●

产品编号 Part Number	R	柄径 (d)	先端径 (D1)	外径 (D)	全长 (L)	库存/Inventory 50系列	库存/Inventory 60系列
O-2/3/4-04R050	0.50	4	1.5	2.7	50	●	●
O-2/3/4-04R075	0.75	4	1.5	3.2	50	●	●
O-2/3/4-04R100	1.00	4	1.5	3.7	50	●	●
O-2/3/4-06R125	1.25	6	1.5	4.2	50	●	●
O-2/3/4-06R150	1.50	6	1.5	4.7	50	●	●
O-2/3/4-06R175	1.75	6	1.5	5.2	50	●	●
O-2/3/4-06R200	2.00	6	1.5	5.7	50	●	●
O-2/3/4-08R250	2.50	8	1.5	6.7	50	●	●
O-2/3/4-08R300	3.00	8	1.5	7.7	50	●	●
O-2/3/4-12R400	4.00	12	2.0	10.2	60	●	●
O-2/3/4-16R500	5.00	16	3.0	13.2	75	●	●
O-2/3/4-16R600	6.00	16	3.0	15.2	75	●	●

硬质合金钻头（外冷） Hard alloy bit (external cooling)

使用特点 Use features

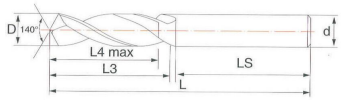
用于：灰铸铁、球墨铸铁、不锈钢、结构钢、合金钢等常见材料的加工，定心能力强，稳定的尺寸精度和良好的表面质量。

For: gray cast iron, nodular cast iron, stainless steel, structural steel and alloysteel materials, centering capability is strong, stable dimensional accuracy and good surface quality.



制造特点 Manufacturing characteristics

刃部公差(Cutting edge tolerance)：m7
排屑槽型(Chip groove)：特殊设计，便于排屑(Special design, easy to chip removal)
横刃制造(Chisel edge manutacturing)：横刃修正(Chisel edge correction)
柄部形式(Shank form)：DfN6535HA h6
涂层(Coating)：He/NaNo



产品编号 Item Code	刃 径 (D)	柄径 (d)	全长 (L)	刃长 (L3)	有效刃长 (L4 max)	柄长 (LS)
DR-W05-0300	3.00	6	66	28	23	36
DR-W05-0330	3.30	6	66	28	23	36
DR-W05-0350	3.50	6	66	28	23	36
DR-W05-0400	4.00	6	74	36	29	36
DR-W05-0450	4.50	6	74	36	29	36
DR-W05-0500	5.00	6	82	44	35	36
DR-W05-0550	5.50	6	82	44	35	36
DR-W05-0600	6.00	6	82	44	35	36
DR-W05-0650	6.50	8	91	53	43	36
DR-W05-0700	7.00	8	91	53	43	36
DR-W05-0750	7.50	8	91	53	43	36
DR-W05-0800	8.00	8	91	53	43	36
DR-W05-0850	8.50	10	103	61	49	40
DR-W05-0900	9.00	10	103	61	49	40
DR-W05-0950	9.50	10	103	61	49	40
DR-W05-1000	10.00	10	103	61	49	40
DR-W05-1050	10.50	12	118	71	56	45
DR-W05-1100	11.00	12	118	71	56	45
DR-W05-1150	11.50	12	118	71	56	45
DR-W05-1200	12.00	12	118	71	56	45
DR-W05-1250	12.50	14	124	77	60	45
DR-W05-1300	13.00	14	124	77	60	45
DR-W05-1350	13.50	14	124	77	60	45
DR-W05-1400	14.00	14	124	77	60	45
DR-W05-1450	14.50	16	133	83	63	48
DR-W05-1500	15.00	16	133	83	63	48
DR-W05-1550	15.50	16	133	83	63	48
DR-W05-1600	16.00	16	133	83	63	48
DR-W05-1650	16.50	18	143	93	71	48
DR-W05-1700	17.00	18	143	93	71	48
DR-W05-1750	17.50	18	143	93	71	48
DR-W05-1800	18.00	18	143	93	71	48
DR-W05-1850	18.50	20	153	101	77	50
DR-W05-1900	19.00	20	153	101	77	50
DR-W05-1950	19.50	20	153	101	77	50
DR-W05-2000	20.00	20	153	101	77	50

人从众硬质合金刀具
RCZ Carbide Cutting Tools
钻削系列 Drilling Tools

硬质合金钻头（内冷） Hard alloy bit (internal cooling)

使用特点 Use features

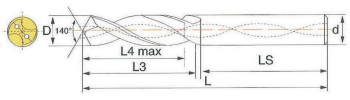
用于：灰铸铁、球墨铸铁、不锈钢、结构钢、合金钢等常见材料的加工，定心能力强，稳定的尺寸精度和良好的表面质量。

For: gray cast iron, nodular cast iron, stainless steel, structural steel and alloysteel materials, centering capability is strong, stable dimensional accuracy and good surface quality.



制造特点 Manufacturing characteristics

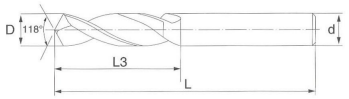
刃部公差(Cutting edge tolerance)：m7
排屑槽型(Chip groove)：特殊设计，便于排屑(Special design, easy to chip removal)
横刃制造(Chisel edge manutacturing)：横刃修正(Chisel edge correction)
柄部形式(Shank form)：DfN6535HA h6
涂层(Coating)：He/NaNo



产品编号 Item Code	刃 径 (D)	柄径 (d)	全长 (L)	刃长 (L3)	有效刃长 (L4 max)	柄长 (LS)
DR-N05-0300	3.00	6	66	28	23	36
DR-N05-0330	3.30	6	66	28	23	36
DR-N05-0350	3.50	6	66	28	23	36
DR-N05-0400	4.00	6	74	36	29	36
DR-N05-0450	4.50	6	74	36	29	36
DR-N05-0500	5.00	6	82	44	35	36
DR-N05-0550	5.50	6	82	44	35	36
DR-N05-0600	6.00	6	82	44	35	36
DR-N05-0650	6.50	8	91	53	43	36
DR-N05-0700	7.00	8	91	53	43	36
DR-N05-0750	7.50	8	91	53	43	36
DR-N05-0800	8.00	8	91	53	43	36
DR-N05-0850	8.50	10	103	61	49	40
DR-N05-0900	9.00	10	103	61	49	40
DR-N05-0950	9.50	10	103	61	49	40
DR-N05-1000	10.00	10	103	61	49	40
DR-N05-1050	10.50	12	118	71	56	45
DR-N05-1100	11.00	12	118	71	56	45
DR-N05-1150	11.50	12	118	71	56	45
DR-N05-1200	12.00	12	118	71	56	45
DR-N05-1250	12.50	14	124	77	60	45
DR-N05-1300	13.00	14	124	77	60	45
DR-N05-1350	13.50	14	124	77	60	45
DR-N05-1400	14.00	14	124	77	60	45
DR-N05-1450	14.50	16	133	83	63	48
DR-N05-1500	15.00	16	133	83	63	48
DR-N05-1550	15.50	16	133	83	63	48
DR-N05-1600	16.00	16	133	83	63	48
DR-N05-1650	16.50	18	143	93	71	48
DR-N05-1700	17.00	18	143	93	71	48
DR-N05-1750	17.50	18	143	93	71	48
DR-N05-1800	18.00	18	143	93	71	48
DR-N05-1850	18.50	20	153	101	77	50
DR-N05-1900	19.00	20	153	101	77	50
DR-N05-1950	19.50	20	153	101	77	50
DR-N05-2000	20.00	20	153	101	77	50

硬质合金铝用钻头 Hard alloy aluminum bit





产品编号 Item Code		刃 径 (D)	柄径 (d)	全长 (L)	刃长 (L3)
不涂层 Not coating	铝用涂层 Coating				
LY-0300	LYC-0300	3	3	48	16
LY-0350	LYC-0350	3.5	4	52	20
LY-0400	LYC-0400	4	4	54	22
LY-0450	LYC-0450	4.5	6	59	24
LY-0500	LYC-0500	5	6	70	26
LY-0550	LYC-0550	5.5	6	72	28
LY-0600	LYC-0600	6	6	72	28
LY-0650	LYC-0650	6.5	8	75	31
LY-0700	LYC-0700	7	8	78	34
LY-0750	LYC-0750	7.5	8	78	34
LY-0800	LYC-0800	8	8	81	37
LY-0850	LYC-0850	8.5	10	87	37
LY-0900	LYC-0900	9	10	91	40
LY-0950	LYC-0950	9.5	10	91	40
LY-0100	LYC-0100	10	10	93	43
LY-0110	LYC-0110	11	12	104	47
LY-0120	LYC-0120	12	12	108	51
LY-0130	LYC-0130	13	14	110	51
LY-0150	LYC-0150	15	16	136	76
LY-0170	LYC-0170	17	18	150	84
LY-0200	LYC-0200	20	20	160	94

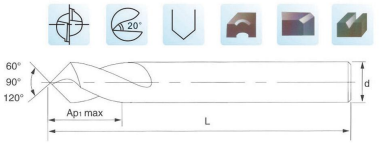
注：
1、接受非标定制
(1)刀具直径、槽长、总长、刃部双刃带，可接受非标定制
(2)柄部形式可按DIN6535HB/HE定制
2、定制举例LY-0300-1000或LY-0300-1000HE

Note:
1、acceptance of non - standard customization
(1)The tool diameter, groove length, total length and double-edged edge of the blade can be accepted by non-standard customization.
(2) The handle form can be customized by DIN6535HB/HE
2. Customizing the example LY-0300-1000 or LY-0300-1000HE

人从众硬质合金刀具
RCZ Carbide Cutting Tools
钻削系列 Drilling Tools

60/90/120度 2刃定心钻 60° /90° /120° 2 blade spot drilling





一般切削用 General purpose

50系列

高速机切削用 High speed cutting

60系列

※被削材质 Work Material

60系列				
50系列				
碳素钢	合金钢	铸铁	铜合金	淬火钢
P20 S45C	SCM SK	FC FCD	CU	SKD
●	●	●	●	

产品编号 Item Code	刃 径 (D)	柄径 (d)	刃长 (Ap1 max)	全长 (L)
60/90/120-02D0020L050	2	2	4	50
60/90/120-03D0030L050	3	3	6	50
60/90/120-04D0040L050	4	4	8	50
60/90/120-05D0050L050	5	5	10	50
60/90/120-06D0060L050	6	6	12	50
60/90/120-08D0080L060	8	8	16	60
60/90/120-10D0100L075	10	10	20	75
60/90/120-12D0120L075	12	12	20	75
60/90/120-16D0160L100	16	16	25	100
60/90/120-20D0200L100	20	20	25	100
60/90/120-04D0040L100	4	4	8	100
60/90/120-05D0050L100	5	5	10	100
60/90/120-06D0060L100	6	6	12	100
60/90/120-08D0080L100	8	8	16	100
60/90/120-10D0100L100	10	10	20	100
60/90/120-12D0120L100	12	12	20	100