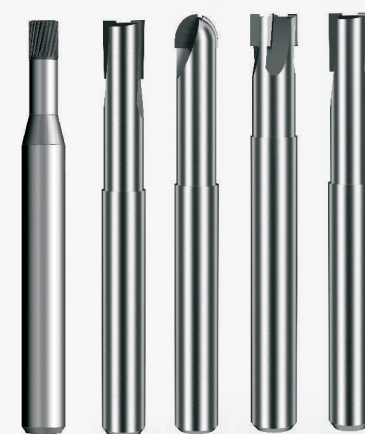




超硬系列刀具



株洲华锐精密工具股份有限公司
Zhuzhou Huarui Precision Cutting Tools Co., Ltd.

证券简称:华锐精密
证券代码:688059

地址:湖南省株洲市芦淞区创业二路68号 邮编:412000
客服电话:0731-28216690
网址:www.huareal.com.cn



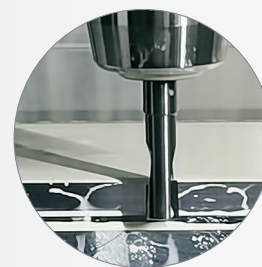
关于我们

株洲华锐精密工具股份有限公司（证券代码/名称：688059 华锐精密）成立于2007年3月，于2021年2月在科创板上市，是国内知名的硬质合金切削刀具制造商，主要从事硬质合金数控刀具的研发、生产和销售业务。哈德斯通属于华锐精密的品牌之一。

公司一直秉承“自主研发、持续创新”的发展战略，专注于硬质合金数控刀具研发与应用，不断追求硬质合金数控刀具整体性能的提升和制造工艺的优化。公司依托多年的人才、技术积累以及先进装备的引进和消化吸收，形成了在基体材料、槽型结构、精密成型和表面涂层四大领域的自主核心技术。公司核心产品在加工精度、加工效率和使用寿命等切削性能方面处于国、内先进水平，进入了由欧美和日韩刀具企业长期占据的国内中高端刀具市场。

公司是国家级高新技术企业、“湖南省认定企业技术中心”，是湖南省发展和改革委员会认定的“100个重大科技创新项目2020年实施计划”单位。公司自主研制的锋芒系列硬质合金数控刀片和模具铣削刀片分别获得“金锋奖”和“荣格技术创新奖”。

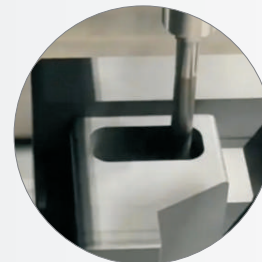
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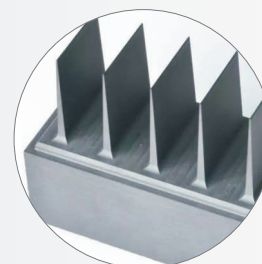
焊片式PCD刀具



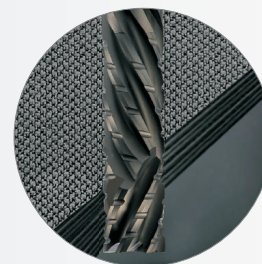
整体式PCD刀具



石墨模具刀具



石墨电极刀具



碳纤维刀具



PCD系列刀具命名规则

PCD

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Z

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E

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1000

⑤

R

⑥

0050

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-M08

⑧

①材料系列		②刀具类型		③刃数		④刀具类型	
PCD		Z	整体	2	2刃	E	平头铣刀
MCD		略...	焊片			C	倒角刀
NCD						B	球头
CBN						R	圆弧

⑤刃长		⑥刀尖类型		⑦刀尖尺寸		⑧刃颈长	
1000	D10	R	刀尖圆弧	刀尖类型为R时:	0050=R0.5	M08	8mm
		A	倒角角度	刀尖类型为A时:	90=A90度倒角	略	无缩颈
		略	平头铣刀		略=平头铣刀		



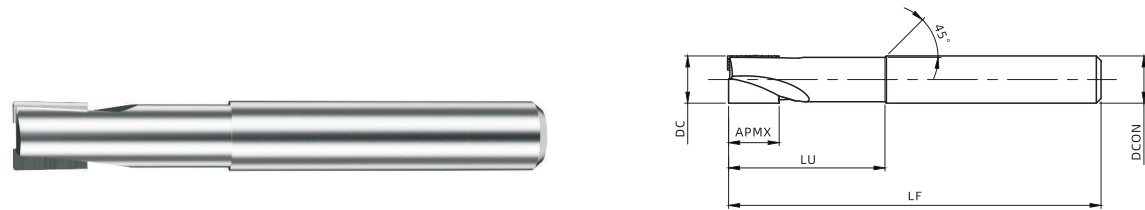
*非标定制

焊片式 PCD刀具

- 刃口采用细微颗粒聚晶PCD材料制作而成
- 适用于加工有色金属高硅铝及铜合金
- 适用于加工非金属材料碳纤维、陶瓷材料、石墨、碳化硅等
- 超高精被加工表面质量，更稳定的寿命



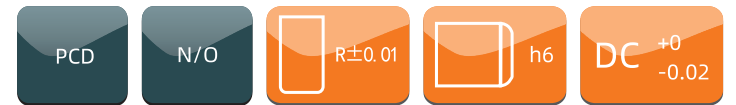
焊片PCD平底铣刀



型号	基本尺寸 (mm)							库存
	DC	APMX	LU	DCON	LF	T	λ°	
PCD-1E0200-M06	2.0	3.0	6	4.0	50.0	1	0°	●
PCD-1E0300-M10	3.0	3.0	10	6.0	50.0	1	0°	●
PCD-1E0400-M10	4.0	4.0	10	6.0	50.0	1	3°	●
PCD-1E0500-M15	5.0	5.0	15	6.0	50.0	1	3°	●
PCD-2E0600-M15	6.0	6.0	15	6.0	50.0	2	3°	●
PCD-2E0800-M20	8.0	6.0	20	8.0	60.0	2	5°	●
PCD-2E1000-M30	10.0	10.0	30	10.0	75.0	2	5°	●
PCD-2E1200-M30	12.0	10.0	30	12.0	75.0	2	5°	●

●常备库存 ○按订单生产

焊片PCD圆弧铣刀



型号	基本尺寸 (mm)								库存
	DC	RE	APMX	LU	DCON	LF	T	λ°	
PCD-1R0200R0020-M06	2.0	R0.2	3.0	6	4.0	50.0	1	0°	●
PCD-1R0300R0020-M10	3.0	R0.2	3.0	10	6.0	50.0	1	0°	●
PCD-1R0400R0050-M10	4.0	R0.5	4.0	10	6.0	50.0	1	3°	●
PCD-1R0500R0050-M15	5.0	R0.5	5.0	15	6.0	50.0	1	3°	●
PCD-2R0600R0050-M15	6.0	R0.5	6.0	15	6.0	50.0	2	5°	●
PCD-2R0800R0050-M20	8.0	R0.5	6.0	20	8.0	60.0	2	5°	●
PCD-2R1000R0050-M30	10.0	R0.5	10.0	30	10.0	75.0	2	5°	●
PCD-2R1200R0050-M30	12.0	R0.5	10.0	30	12.0	75.0	2	5°	●

●常备库存 ○按订单生产

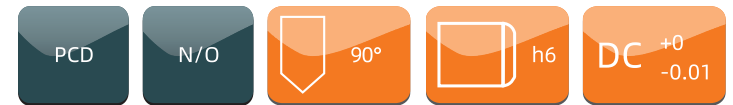
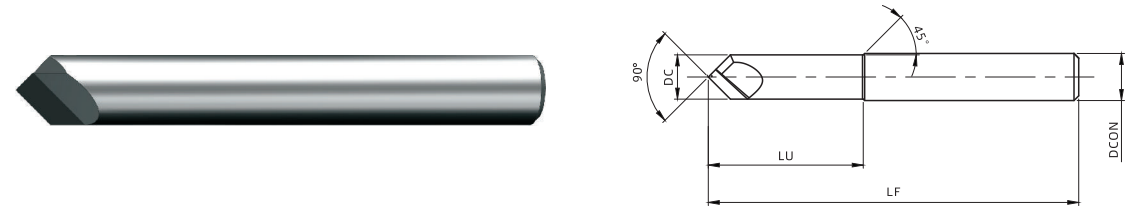
焊片PCD球头刀



型号	基本尺寸 (mm)							库存
	DC	RE	APMX	LU	DCON	LF	T	
PCD-1BR0100-M06	2.0	R1.0	3.0	6	4.0	50.0	1	●
PCD-1BR0150-M10	3.0	R1.5	3.0	10	6.0	50.0	1	●
PCD-1BR0200-M10	4.0	R2.0	4.0	10	6.0	50.0	1	●
PCD-1BR0250-M15	5.0	R2.5	5.0	15	6.0	50.0	1	●
PCD-2BR0300-M15	6.0	R3.0	6.0	15	6.0	50.0	2	●
PCD-2BR0400-M20	8.0	R4.0	6.0	20	8.0	60.0	2	●
PCD-2BR0500-M30	10.0	R5.0	6.0	30	10.0	75.0	2	●
PCD-2BR0600-M30	12.0	R6.0	6.0	30	12.0	75.0	2	●

●常备库存 ○按订单生产

焊片PCD倒角刀



型号	基本尺寸 (mm)						库存
	DC	α°	LU	DCON	LF	T	
PCD-1C0200A90	2.0	90°	6	4.0	50.0	1	●
PCD-1C0300A90	3.0	90°	10	6.0	50.0	1	●
PCD-1C0400A90	4.0	90°	10	6.0	50.0	1	●
PCD-1C0500A90	5.0	90°	15	6.0	50.0	1	●
PCD-1C0600A90	6.0	90°	15	6.0	50.0	1	●
PCD-1C0800A90	8.0	90°	20	8.0	60.0	1	●
PCD-1C1000A90	10.0	90°	30	10.0	75.0	1	●
PCD-1C1200A90	12.0	90°	30	12.0	75.0	1	●

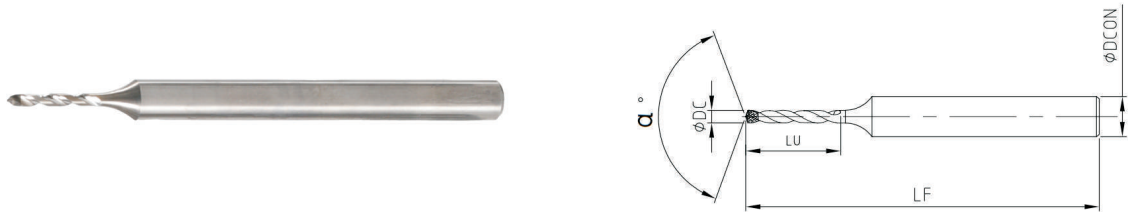
●常备库存 ○按订单生产

整体式PCD微钻刀具

- 刃口基体材料选用整体式全聚晶金刚石制作而成
- 螺旋刃结构设计提高了深孔排屑能力，可以实现多角度且锋利的刃口
- 适用于加工碳化硅、单晶硅、陶瓷、石英玻璃、碳纤维的深孔加工
- 能够解决脆硬材料的孔口崩边和表面粗糙度、裂纹，复合纤维材料的孔口毛刺和寿命低等产品问题
- 超高精被加工表面质量，更稳定的寿命



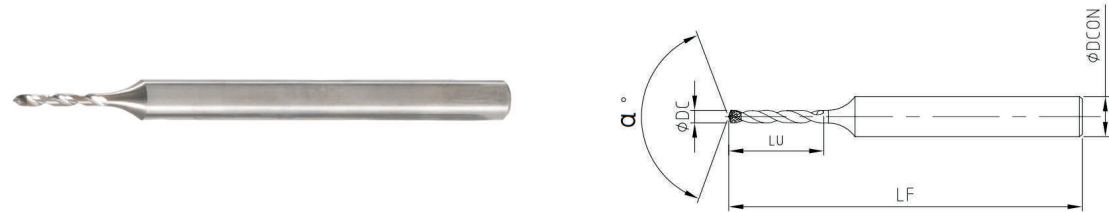
整体式PCD微钻



型号	基本尺寸 (mm)					库存
	DC	LU	DCON	LF	顶角α	
PCDZ2D0020-20D	0.20	4	3.175	38.1	130°	●
PCDZ2D0025-20D	0.25	5	3.175	38.1	130°	●
PCDZ2D0030-20D	0.30	6	3.175	38.1	130°	●
PCDZ2D0035-20D	0.35	7	3.175	38.1	130°	●
PCDZ2D0040-20D	0.40	8	3.175	38.1	130°	●
PCDZ2D0045-20D	0.45	9	3.175	38.1	130°	●
PCDZ2D0050-20D	0.50	10	3.175	38.1	130°	●
PCDZ2D0055-20D	0.55	11	3.175	38.1	130°	●
PCDZ2D0060-20D	0.60	12	3.175	38.1	130°	●
PCDZ2D0065-12D	0.65	7.8	3.175	38.1	130°	●
PCDZ2D0070-12D	0.70	8.4	3.175	38.1	130°	●
PCDZ2D0075-12D	0.75	9	3.175	38.1	130°	●
PCDZ2D0080-12D	0.80	9.6	3.175	38.1	130°	●
PCDZ2D0085-12D	0.85	10.2	3.175	38.1	130°	●
PCDZ2D0090-12D	0.90	10.8	3.175	38.1	130°	●
PCDZ2D0095-12D	0.95	11.4	3.175	38.1	130°	●
PCDZ2D0100-12D	1.00	12	3.175	38.1	130°	●
PCDZ2D0105-12D	1.05	12.6	3.175	38.1	130°	●
PCDZ2D0110-12D	1.10	13.2	3.175	45	130°	●
PCDZ2D0115-12D	1.15	13.8	3.175	45	130°	●
PCDZ2D0120-12D	1.20	14.4	3.175	45	130°	●
PCDZ2D0125-12D	1.25	15	3.175	45	130°	●
PCDZ2D0130-12D	1.30	15.6	3.175	45	130°	●
PCDZ2D0135-12D	1.35	16.2	3.175	45	130°	●
PCDZ2D0140-12D	1.40	16.8	3.175	45	130°	●
PCDZ2D0145-12D	1.45	17.4	3.175	45	130°	●

●常备库存 ○按订单生产

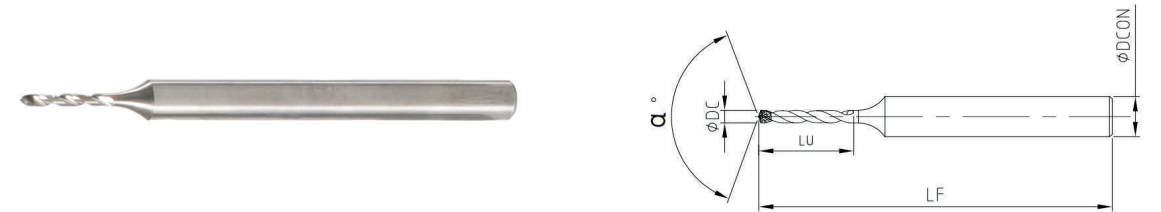
整体式PCD微钻



型号	基本尺寸 (mm)					库存
	DC	LU	DCON	LF	顶角 α	
PCDZ2D0150-12D	1.50	18	3.175	50	130°	●
PCDZ2D0155-12D	1.55	18.6	4.0	50	130°	●
PCDZ2D0160-12D	1.60	19.2	4.0	50	130°	●
PCDZ2D0165-12D	1.65	19.8	4.0	50	130°	●
PCDZ2D0170-12D	1.70	20.4	4.0	50	130°	●
PCDZ2D0175-12D	1.75	21	4.0	50	130°	●
PCDZ2D0180-12D	1.80	21.6	4.0	50	130°	●
PCDZ2D0185-12D	1.85	22.2	4.0	50	130°	●
PCDZ2D0190-12D	1.90	22.8	4.0	50	130°	●
PCDZ2D0195-12D	1.95	23.4	4.0	50	130°	●
PCDZ2D0200-8D	2.00	16	4.0	60	130°	●
PCDZ2D0205-8D	2.05	16.4	4.0	60	130°	○
PCDZ2D0210-8D	2.10	16.8	4.0	60	130°	○
PCDZ2D0215-8D	2.15	17.2	4.0	60	130°	○
PCDZ2D0220-8D	2.20	17.6	4.0	60	130°	○
PCDZ2D0225-8D	2.25	18	4.0	60	130°	○
PCDZ2D0230-8D	2.30	18.4	4.0	60	130°	○
PCDZ2D0235-8D	2.35	18.8	4.0	60	130°	○
PCDZ2D0240-8D	2.40	19.2	4.0	60	130°	○
PCDZ2D0245-8D	2.45	19.6	4.0	60	130°	○
PCDZ2D0250-8D	2.50	20	4.0	60	130°	○
PCDZ2D0255-8D	2.55	20.4	4.0	60	130°	○
PCDZ2D0260-8D	2.60	20.8	4.0	60	130°	○
PCDZ2D0256-8D	2.65	21.2	4.0	60	130°	○
PCDZ2D0270-8D	2.70	21.6	4.0	60	130°	○

●常备库存 ○按订单生产

整体式PCD微钻



型号	基本尺寸 (mm)					库存
	DC	LU	DCON	LF	顶角 α	
PCDZ2D0275-8D	2.75	22	4.0	60	130°	○
PCDZ2D0280-8D	2.80	22.4	4.0	60	130°	○
PCDZ2D0285-8D	2.85	22.8	4.0	60	130°	○
PCDZ2D0290-8D	2.90	23.2	4.0	60	130°	○
PCDZ2D0295-8D	2.95	23.6	4.0	60	130°	○
PCDZ2D0300-8D	3.00	24	4.0	60	130°	○
PCDZ2D0350-5D	3.50	17.5	6.0	70	140°	○
PCDZ2D0400-5D	4.00	20	6.0	70	140°	○
PCDZ2D0450-5D	4.50	22.5	6.0	70	140°	○
PCDZ2D0500-5D	5.00	25	6.0	70	140°	○
PCDZ2D0550-5D	5.50	27.5	6.0	70	140°	○
PCDZ2D0600-5D	6.00	30	6.0	70	140°	○
PCDZ2D0650-5D	6.50	32.5	8.0	80	140°	○
PCDZ2D0700-5D	7.00	35	8.0	80	140°	○
PCDZ2D0750-5D	7.50	37.5	8.0	80	140°	○
PCDZ2D0800-5D	8.00	40	8.0	80	140°	○
PCDZ2D0850-5D	8.50	42.5	10.0	100	140°	○
PCDZ2D0900-5D	9.00	45	10.0	100	140°	○
PCDZ2D0950-5D	9.50	47.5	10.0	100	140°	○
PCDZ2D1000-5D	10.00	50	10.0	100	140°	○
PCDZ2D1050-5D	10.50	52.5	12.0	120	140°	○
PCDZ2D1100-5D	11.00	55	12.0	120	140°	○
PCDZ2D1150-5D	11.50	57.5	12.0	120	140°	○
PCDZ2D1200-5D	12.00	60	12.0	120	140°	○
PCDZ2D1250-5D	12.50	62.5	12.0	120	140°	○

●常备库存 ○按订单生产

整体式PCD微刃刀具

- 刃口基体材料选用整体式全聚晶金刚石，采用激光微刃雕刻加工工艺
- 多刃数设计提高了整体耐磨性，并且可以实现复杂且锋利的刃口结构
- 适用于加工碳化硅、单晶硅、陶瓷、石英玻璃、碳纤维及蓝宝石
- 铣削替代磨削加工，可以实现脆硬材料的成型结构的加工，镜面加工，同时能够减少脆硬材料的崩边和表面粗糙度、刀纹及裂纹等产品问题



整体式PCD微刃圆弧铣刀



PCD

N/O

$R\pm0.01$

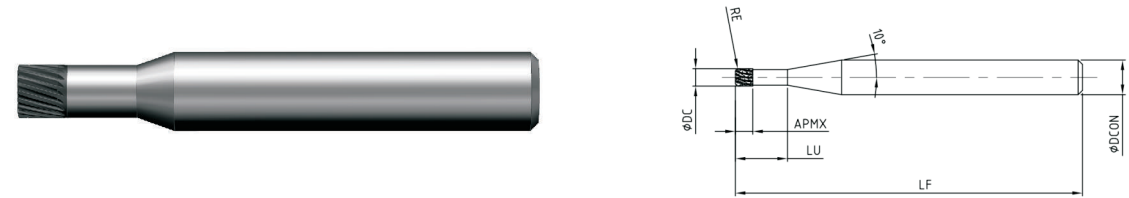
H5

DC $+0/-0.02$

型号	基本尺寸 (mm)							库存
	DC	RE	APMX	LU	dc	DCON	LF	
PCDZBR0050-M06	1	0.5	2	6	0.9	4	50	●
PCDZBR0075-M06	1.5	0.75	2	6	1.4	4	50	●
PCDZBR0100-M06	2	1	2	6	1.9	4	50	●
PCDZBR0150-M08	3	1.5	4	8	2.9	4	50	●
PCDZBR0200-M10	4	2	4	10	3.9	4	50	●
PCDZBR0300-M10	6	3	4	10	5.9	6	50	●
PCDZBR0400-M10	8	4	4	10	7.9	8	50	●

●常备库存 ○按订单生产

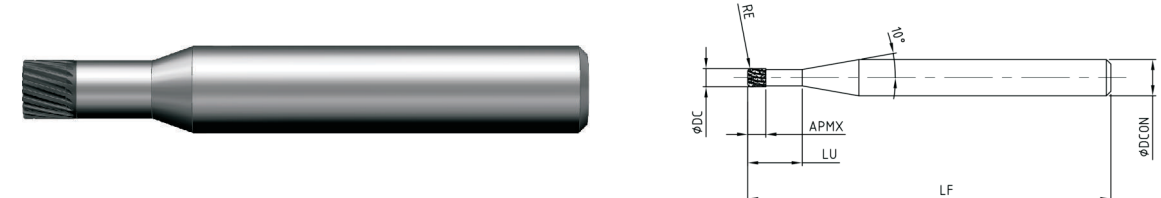
整体式PCD微刃圆弧铣刀



型号	基本尺寸 (mm)							库存
	DC	RE	APMX	LU	dc	DCON	LF	
PCDZR0100R0010-M06	1	0.1	2	6	0.9	4	50	●
PCDZR0150R0010-M06	1.5	0.1	2	6	1.4	4	50	●
PCDZR0200R0010-M06	2	0.1	2	6	1.9	4	50	●
PCDZR0300R0010-M06	3	0.1	4	6	2.9	4	50	●
PCDZR0400R0020-M10	4	0.2	4	10	3.9	4	50	●
PCDZR0600R0020-M10	6	0.2	4	10	5.9	6	50	●
PCDZR0800R0020-M10	8	0.2	4	10	7.9	8	50	●
PCDZR1000R0050-M10	10	0.5	4	10	9.9	10	60	●
PCDZR1200R0050-M10	12	0.5	4	10	11.9	12	60	●

●常备库存 ○按订单生产

整体式PCD微刃平底铣刀



型号	基本尺寸 (mm)						库存
	DC	APMX	LU	dc	DCON	LF	
PCDZE0100-M06	1	2	6	0.9	4	50	●
PCDZE0150-M06	1.5	2	6	1.4	4	50	●
PCDZE0200-M06	2	2	6	1.9	4	50	●
PCDZE0300-M06	3	4	6	2.9	4	50	●
PCDZE0400-M10	4	4	10	3.9	4	50	●
PCDZE0600-M10	6	4	10	5.9	6	50	●
PCDZE0800-M10	8	4	10	7.9	8	50	●
PCDZE1000-M10	10	4	10	9.9	10	60	●
PCDZE1200-M10	12	4	10	11.9	12	60	●

●常备库存 ○按订单生产

石墨铣削刀具命名规则

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⑦

①材料系列		②刃数		③刀具类型		④刀具直径	
CG	石墨	2	2刃	E	平头铣刀	1000	D10
				B	球头	略	球头铣刀
				R	圆弧		

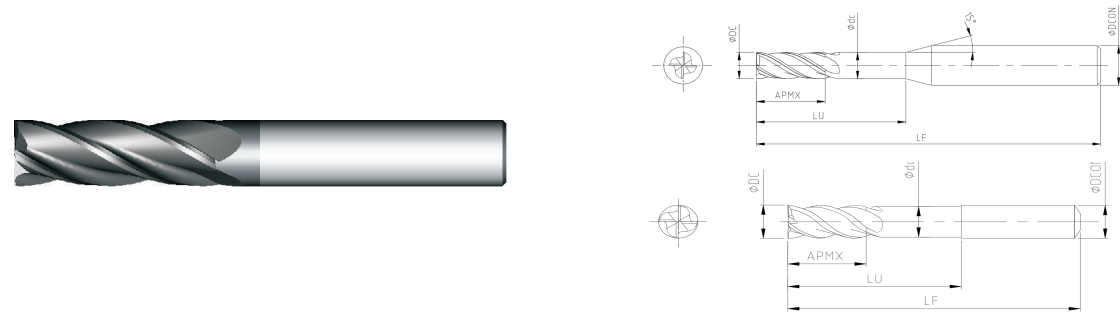
⑤刀尖类型		⑥刀尖尺寸		⑦刀颈长	
R	刀尖圆弧	刀尖圆弧 0050	R0.5	M08	8mm
略	平头铣刀			略	无缩颈

石墨系列

- 采用的硬质合金棒料硬度达到HRA92.5
- 超高硬度CVD金刚石涂层,涂层厚度加厚提高耐磨性
- 适用于加工石墨制品、石墨模具、非金属材料
- 被加工表面良好的粗糙度
- 精密级尺寸公差精度和可靠的一致性保证



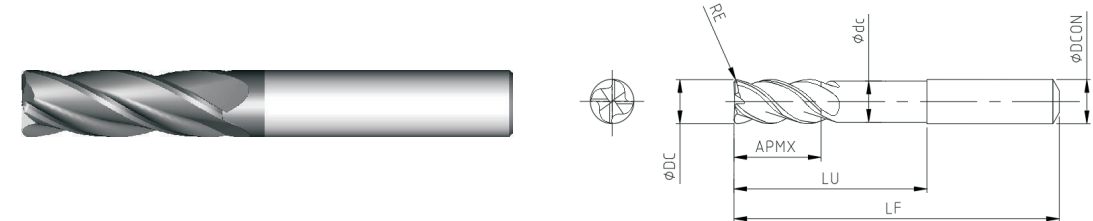
石墨平底铣刀



型号	基本尺寸 (mm)						库存
	DC	APMX	LU	dc	DCON	LF	
CG4E0615	6.0	15.0	-	-	6.0	50.0	●
CG4E0630	6.0	12.0	30	5.9	6.0	75.0	●
CG4E0820	8.0	20.0	-	-	8.0	60.0	●
CG4E0840	8.0	16.0	40	7.9	8.0	75.0	●
CG4E1030	10.0	30.0	-	-	10.0	75.0	●
CG4E1060	10.0	20.0	60	9.9	10.0	100.0	●
CG4E1230	12.0	30.0	-	-	12.0	75.0	●
CG4E1260	12.0	24.0	60	11.9	12.0	100.0	●

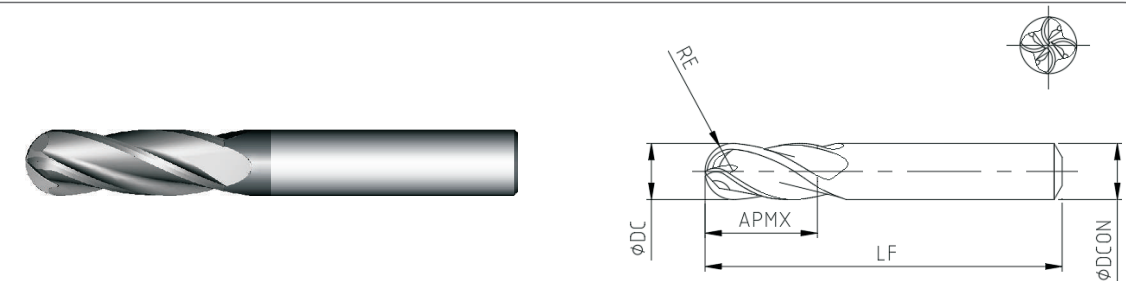
●常备库存 ○按订单生产

石墨圆弧铣刀



型号	基本尺寸 (mm)							库存
	DC	RE	APMX	LU	dc	DCON	LF	
CG4R061505	6.0	R0.5	15.0	-	-	6.0	50.0	●
CG4R063005	6.0	R0.5	12.0	30	5.9	6.0	75.0	●
CG4R082005	8.0	R0.5	20.0	-	-	8.0	60.0	●
CG4R084005	8.0	R0.5	16.0	40	7.9	8.0	75.0	●
CG4R103005	10.0	R0.5	30.0	-	-	10.0	75.0	●
CG4R106005	10.0	R0.5	20.0	60	9.9	10.0	100.0	●
CG4R123005	12.0	R0.5	30.0	-	-	12.0	75.0	●
CG4R126005	12.0	R0.5	24.0	60	11.9	12.0	100.0	●

石墨球刀



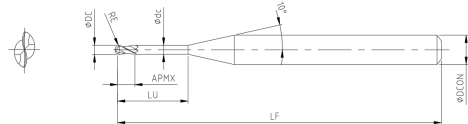
型号	基本尺寸 (mm)					库存
	DC	RE	APMX	DCON	LF	
CG4B061530	6.0	R3.0	15.0	6.0	50.0	●
CG4B082040	8.0	R4.0	20.0	8.0	60.0	●
CG4B103050	10.0	R5.0	30.0	10.0	75.0	●
CG4B123060	12.0	R6.0	30.0	12.0	75.0	●

●常备库存 ○按订单生产

石墨模具、石墨电极
微小径刀具



微径球刀铣刀



DIA

石墨

$R\pm0.005$

$\lambda 30^\circ$

h6

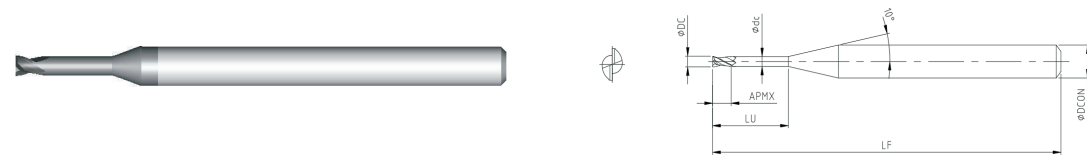
DC $\begin{smallmatrix} +0 \\ -0.01 \end{smallmatrix}$

2刃

型号	基本尺寸 (mm)							库存
	DC	RE	APMX	LU	dc	DCON	LF	
CG2B010305	1.0	R0.5	1.0	3	0.95	4.0	50	●
CG2B010505	1.0	R0.5	1.0	5	0.95	4.0	50	●
CG2B020610	2.0	R1.0	2.0	6	1.9	4.0	50	●
CG2B021010	2.0	R1.0	2.0	10	1.9	4.0	50	●
CG2B030915	3.0	R1.5	3.0	9	2.9	6.0	50	●
CG2B031515	3.0	R1.5	3.0	15	2.9	6.0	50	●
CG2B041220	4.0	R2.0	4.0	12	3.9	6.0	50	●
CG2B042020	4.0	R2.0	4.0	20	3.9	6.0	50	●
CG2B051525	5.0	R2.5	5.0	15	4.9	6.0	50	●
CG2B052525	5.0	R2.5	5.0	25	4.9	6.0	50	●
CG2B061830	6.0	R3.0	6.0	18	5.9	6.0	50	●
CG2B063030	6.0	R3.0	6.0	30	5.9	6.0	60	●

●常备库存 ○按订单生产

微径平底铣刀



型号	基本尺寸 (mm)						库存
	DC	APMX	LU	dc	DCON	LF	
CG2E0103	1.0	1.0	3	0.95	4.0	50	●
CG2E0105	1.0	1.0	5	0.95	4.0	50	●
CG2E0206	2.0	2.0	6	1.9	4.0	50	●
CG2E0210	2.0	2.0	10	1.9	4.0	50	●
CG2E0309	3.0	3.0	9	2.9	6.0	50	●
CG2E0315	3.0	3.0	15	2.9	6.0	50	●
CG2E0412	4.0	4.0	12	3.9	6.0	50	●
CG2E0420	4.0	4.0	20	3.9	6.0	50	●
CG2E0515	5.0	5.0	15	4.9	6.0	50	●
CG2E0525	5.0	5.0	25	4.9	6.0	50	●
CG2E0618	6.0	6.0	18	5.9	6.0	50	●
CG2E0630	6.0	6.0	30	5.9	6.0	60	●

●常备库存 ○按订单生产

微径圆弧铣刀



型号	基本尺寸 (mm)							库存
	DC	RE	APMX	LU	dc	DCON	LF	
CG2R010302	1.0	R0.2	1.0	3	0.95	4.0	50	●
CG2R010502	1.0	R0.2	1.0	5	0.95	4.0	50	●
CG2R020605	2.0	R0.5	2.0	6	1.9	4.0	50	●
CG2R021005	2.0	R0.5	2.0	10	1.9	4.0	50	●
CG2R030905	3.0	R0.5	3.0	9	2.9	6.0	50	●
CG2R031505	3.0	R0.5	3.0	15	2.9	6.0	50	●
CG2R041205	4.0	R0.5	4.0	12	3.9	6.0	50	●
CG2R042005	4.0	R0.5	4.0	20	3.9	6.0	50	●
CG2R051505	5.0	R0.5	5.0	15	4.9	6.0	50	●
CG2R052505	5.0	R0.5	5.0	25	4.9	6.0	50	●
CG2R061805	6.0	R0.5	6.0	18	5.9	6.0	50	●
CG2R063005	6.0	R0.5	6.0	30	5.9	6.0	60	●

●常备库存 ○按订单生产

碳纤维铣削刀具命名规则

CF

①

X

②

1000

③

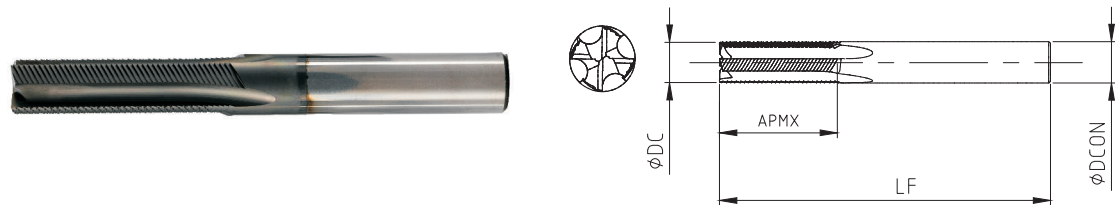
①材料系列		②刀具类型		③刀具直径	
CF	碳纤维	W	复合齿	1000	D10
		X	错齿		
		Y	正反齿		
		Z	菠萝齿		



碳纤维系列



复合铣刀



型号	基本尺寸 (mm)				库存
	DC	APMX	DCON	LW	
CW-Z0400	4.0	12.0	6.0	60.0	●
CW-Z0600	6.0	20.0	6.0	60.0	●
CW-Z0800	8.0	25.0	8.0	75.0	●
CW-Z1000	10.0	30.0	10.0	75.0	●
CW-Z1200	12.0	30.0	12.0	75.0	●

●常备库存 ○按订单生产

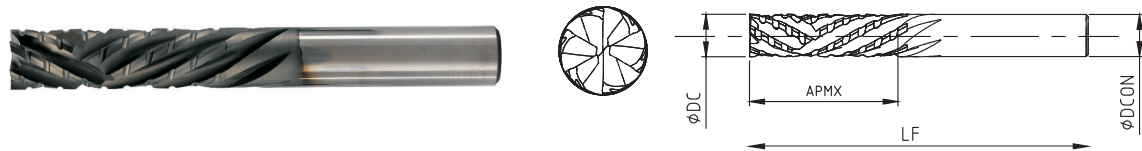
错齿铣刀



型号	基本尺寸 (mm)					库存
	DC	APMX	DCON	LF	T	
CF-X0600	6.0	15.0	6.0	60.0	8	●
CF-X0800	8.0	25.0	8.0	75.0	8	●
CF-X1000	10.0	30.0	10.0	80.0	10	●
CF-X1200	12.0	30.0	12.0	80.0	10	●

●常备库存 ○按订单生产

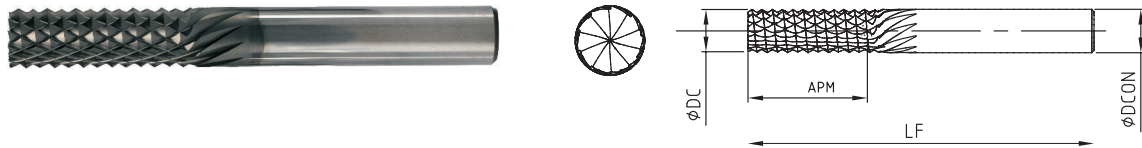
正反齿铣刀



型号	基本尺寸 (mm)					库存
	DC	APMX	DCON	LF	T	
CF-Y0600	6.0	15.0	6.0	60.0	4	●
CF-Y0800	8.0	20.0	8.0	75.0	6	●
CF-Y1000	10.0	30.0	10.0	80.0	6	●
CF-Y1200	12.0	30.0	12.0	80.0	8	●

● 常备库存 ○ 按订单生产

菠萝铣刀



型号	基本尺寸 (mm)				库存
	DC	APMX	LF	T	
CF-Z0400	4.0	15.0	6.0	60.0	●
CF-Z0600	6.0	25.0	6.0	60.0	●
CF-Z0800	8.0	30.0	8.0	75.0	●
CF-Z1000	10.0	35.0	10.0	80.0	●
CF-Z1200	12.0	35.0	12.0	80.0	●

● 常备库存 ○ 按订单生产



专业定制服务



精工打造

超硬系列产品可针对各行业不同被加工材料及复杂工况进行非标定制，如3C行业PCD外轮廓刀具、PCD成型铣刀、PCD槽，汽车行业PCD铰刀，非金属材料的PCD钻头、多刃数PCD铣刀，PCD微钻及磨头等产品皆可非标尺寸定制，解决客户现场加工工况难题。



专业定制设计



快速交货



加工精度
效率提升