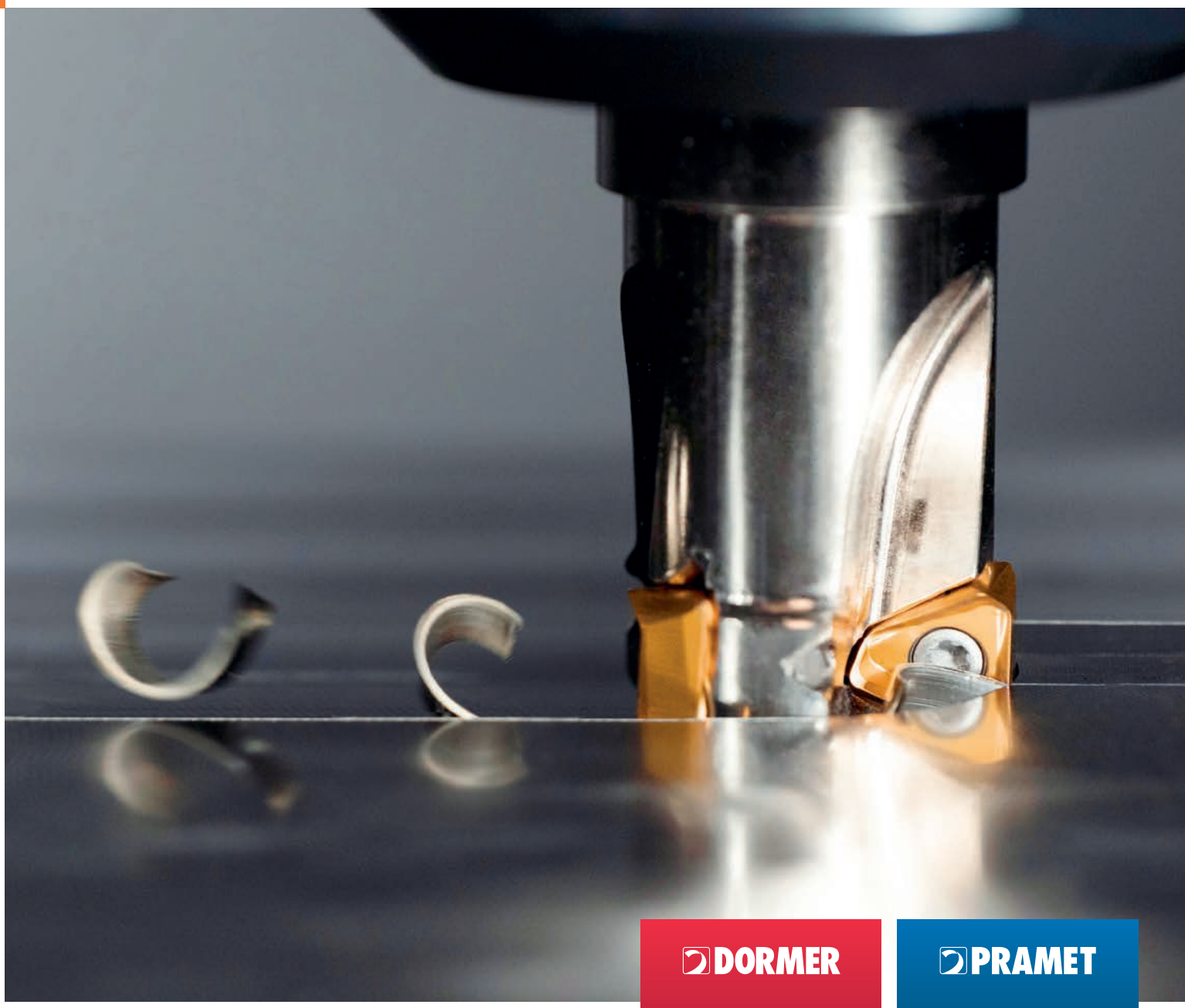
DORMER PRAMET

铣削

2021 – 2022



DORMER PRAMET

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2	
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CHN09	401
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J	
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RCMT 20	539
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RDHX 10	551
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RDHX 16	563
RDHX 20	674
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RDMT 10	553
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RDMT 16	565
RDMX 10	551
RDMX 12	557
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REHT 16	379
REHT 24	385
RPET 12	675
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RPEW 12	675
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SDEW 09	649
SDEX 09	649
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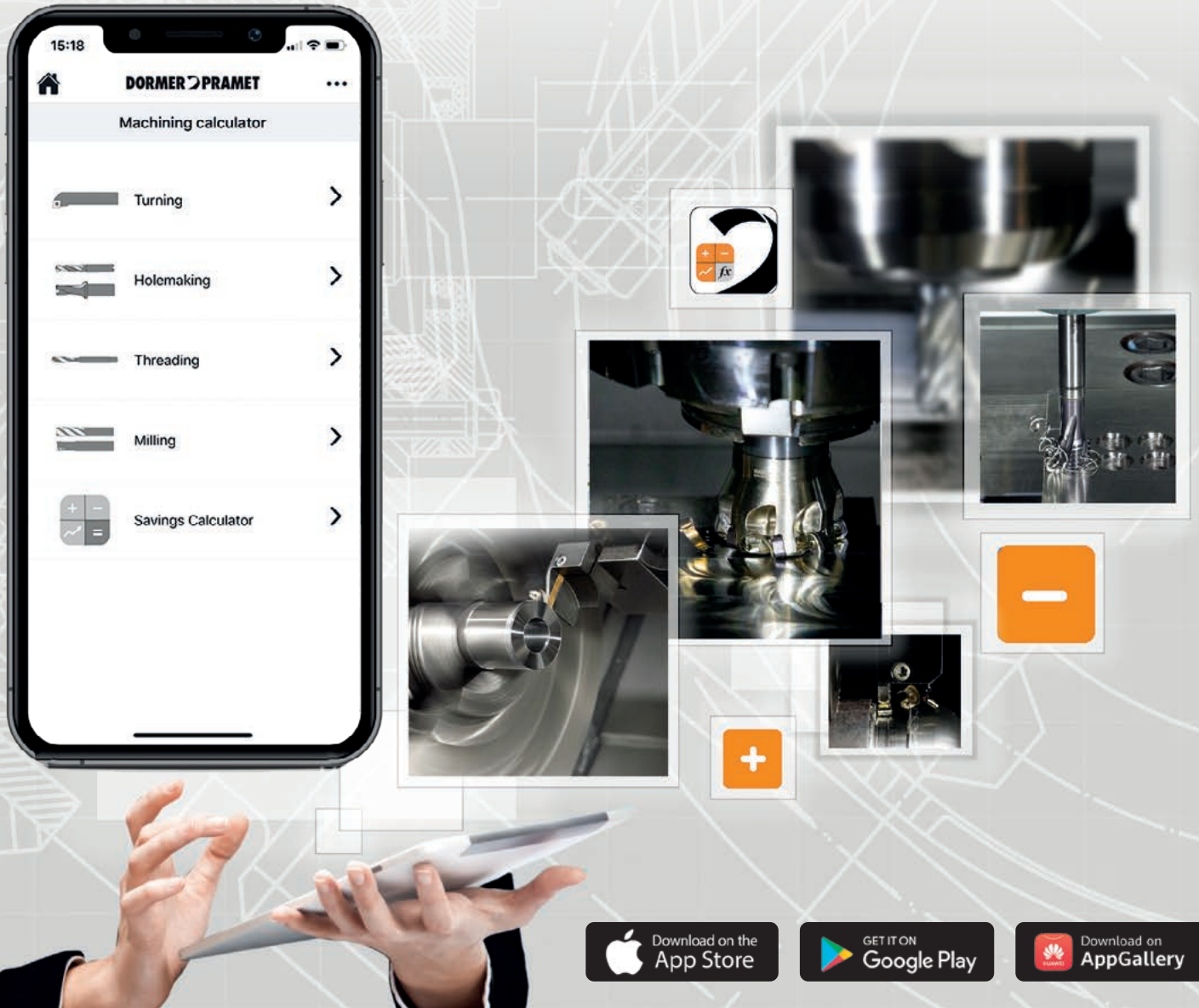
DORMER PRAMET

涵盖各种应用

我们的加工计算器涵盖各种应用，包括钻孔、铣削、车削或攻丝等等。现在就去应用商店下载吧！简单可靠。



工件材料分组 (WMG)

关于DORMER PRAMET的工件材料分类

工件材料分组 (WMG) 用于支持简单和可靠地选择正确的切削刀具以及适合特定应用加工工况的初始值。
Dormer Pramet将工件材料分为六个不同的颜色组 ;

- 蓝色 : 钢和铸钢 (P组)
- 黄色 : 不锈钢 (M组)
- 红色 : 铸铁 (K组)
- 绿色 : 有色金属 (N组)
- 橙色 : 高温合金 (S组)
- 灰色 : 硬化材料 (H组)

上述各组再根据其结构和/或成分分为几个子组。例如 , P组钢和铸钢分成四个子组 , 即 :

- P1 – 易切削钢
- P2 – 普通碳钢
- P3 – 合金钢
- P4 – 工具钢

最后 , 根据材料属性 (例如硬度和极限抗拉强度) 进行进一步分类。通过这种分类方式 , 可以为我们的客户提供一套完整的刀具推荐方案 , 包括线速度和进给量等初始值。
下页的表格中包含对每个工件材料分组的描述 , 以及适用于该分组的常用名称示例。

WMG（加工材料组）

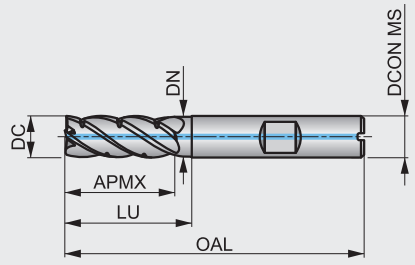
ISO组					硬度 (HB或HRC)	极限抗拉强度 (MPa)
P	P1	P1.1	易切削钢（可加工性较高的碳钢）	硫化	< 240 HB	≤ 830
		P1.2		硫化和磷化	< 180 HB	≤ 620
		P1.3		硫化/磷化和含铅	< 180 HB	≤ 620
	P2	P2.1	普通碳钢（主要由铁和碳组成的钢）	含<0.25%C	< 180 HB	≤ 620
		P2.2		含<0.55%C	< 240 HB	≤ 830
		P2.3		含>0.55%C	< 300 HB	≤ 1030
	P3	P3.1	合金钢（碳钢，合金含量≤10%）	退火	< 180 HB	≤ 620
		P3.2		硬化与回火	180 – 260 HB	> 620 ≤ 900
		P3.3			260 – 360 HB	> 900 ≤ 1240
	P4	P4.1	工具钢（特种合金钢，用于刀具、模具）	退火	< 26 HRC	≤ 900
		P4.2		硬化与回火	26 – 39 HRC	> 900 ≤ 1240
		P4.3			39 – 45 HRC	> 1240 ≤ 1450
M	M1	M1.1	铁素体不锈钢（直铬非硬化合金）		< 160 HB	≤ 520
		M1.2			160 – 220 HB	> 520 ≤ 700
	M2	M2.1	马氏体不锈钢（直铬可硬化合金）	退火	< 200 HB	≤ 670
		M2.2		淬火加回火	200 – 280 HB	> 670 ≤ 950
		M2.3		沉淀硬化	280 – 380 HB	> 950 ≤ 1300
	M3	M3.1	奥氏体不锈钢（铬镍和铬镍锰合金）		< 200 HB	≤ 750
		M3.2			200 – 260 HB	> 750 ≤ 870
		M3.3			260 – 300 HB	> 870 ≤ 1040
	M4	M4.1	奥氏体-铁素体（双相）或 高级奥氏体不锈钢		< 300 HB	≤ 990
		M4.2	沉淀硬化奥氏体不锈钢		300 – 380 HB	≤ 1320
K	K1	K1.1	灰口铸铁（ASTM A48）或汽车用灰铸铁（ASTM A159）（具有片状石墨微结构的铁碳铸件）	铁素体或铁素体-珠光体	< 180 HB	≤ 190
		K1.2		铁素体-珠光体或珠光体	180 – 240 HB	> 190 ≤ 310
		K1.3		珠光体	240 – 280 HB	> 310 ≤ 390
	K2	K2.1	可锻铸铁（ASTM A602）（无石墨结构的铁碳铸件）	铁素体	< 160 HB	≤ 400
		K2.2		铁素体或珠光体	160 – 200 HB	> 400 ≤ 550
		K2.3		珠光体	200 – 240 HB	> 550 ≤ 660
	K3	K3.1	延性铸铁（ASTM A536）（有石墨结构的铁碳铸件）	铁素体	< 180 HB	≤ 560
		K3.2		铁素体或珠光体	180 – 220 HB	> 560 ≤ 680
		K3.3		珠光体	220 – 260 HB	> 680 ≤ 800
	K4	K4.1	奥氏体灰口铸铁（ASTM A436）（具有奥氏体片状石墨组织的铁碳合金铸件）		< 180 HB	≤ 190
		K4.2	奥氏体延性铸铁（ASTM A439或ASTM A571）（具有奥氏体球墨结构铁碳合金铸件）		< 240 HB	≤ 740
		K4.3	等温淬火球墨铸铁（ASTM A897）（具有奥氏体组织的铁碳合金铸件）		< 280 HB	> 840 ≤ 980
		K4.4			280 – 320 HB	> 980 ≤ 1130
		K4.5			320 – 360 HB	> 1130 ≤ 1280
	K5	K5.1	蠕墨铸铁CGI（ASTM A842）（具有蠕虫状石墨结构的铁碳铸件）	铁素体	< 180 HB	≤ 400
		K5.2		铁素体-珠光体	180 – 220 HB	> 400 ≤ 450
		K5.3		珠光体	220 – 260 HB	> 450 ≤ 500
N	N1	N1.1	工业纯锻铝		< 60 HB	≤ 240
		N1.2	锻铝合金	中硬质回火	60 – 100 HB	> 240 ≤ 400
		N1.3		全硬质回火	100 – 150 HB	> 400 ≤ 590
	N2	N2.1	铸铝合金		< 75 HB	≤ 240
		N2.2			75 – 90 HB	> 240 ≤ 270
		N2.3			90 – 140 HB	> 270 ≤ 440
	N3	N3.1	易切削铜合金材料，具有出色机械加工性能		–	–
		N3.2	短切屑铜合金，具有良好至中等的机械加工性能		–	–
		N3.3	电解铜和长切屑铜合金，具有中等至较差的机械加工性能		–	–
	N4	N4.1	热塑性聚合物		–	–
		N4.2	热固性聚合物		–	–
		N4.3	增强型聚合物或复合材料		–	–
	N5	N5.1	石墨		–	–
S	S1	S1.1	钛或钛合金		< 200 HB	≤ 660
		S1.2			200 – 280 HB	> 660 ≤ 950
		S1.3			280 – 360 HB	> 950 ≤ 1200
	S2	S2.1	铁基高温合金		< 200 HB	≤ 690
		S2.2			200 – 280 HB	> 690 ≤ 970
	S3	S3.1	镍基高温合金		< 280 HB	≤ 940
		S3.2			280 – 360 HB	> 940 ≤ 1200
	S4	S4.1	钴基高温合金		< 240 HB	≤ 800
		S4.2			240 – 320 HB	> 800 ≤ 1070
H	H1	H1.1	冷硬铸铁		< 440 HB	–
	H2	H2.1	硬化铸铁		< 55 HRC	–
		H2.2			> 55 HRC	–
	H3	H3.1	硬化钢 < 55 HRC		< 51 HRC	–
		H3.2			51 – 55 HRC	–
	H4	H4.1	硬化钢 > 55 HRC		55 – 59 HRC	–
		H4.2			> 59 HRC	–

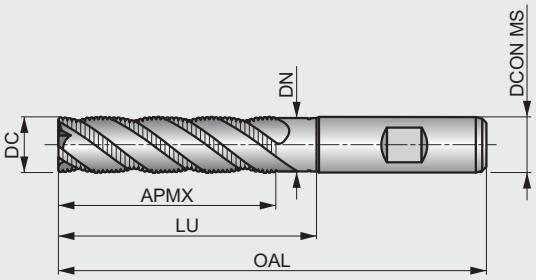
ISO 13399标准切削刀具参数

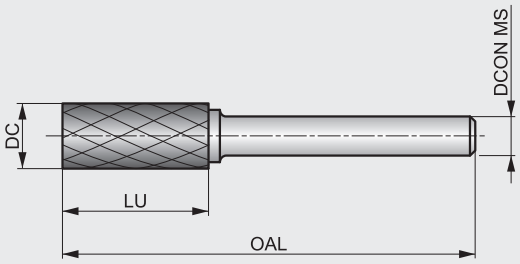
所有切削工具由一系列参数依据标准ISO 13399定义。此列表包含本目录中使用的所有参数及其定义。

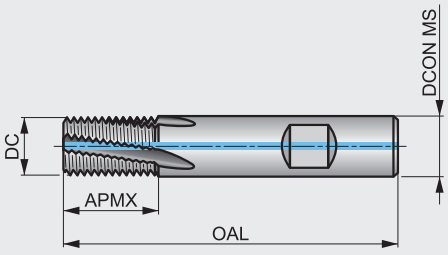
ISO 13399是一项国际切削刀具信息标准。它以独立于任何特定系统或公司术语的中立格式提供尺寸和参数。当切削刀具按照全球标准进行明确定义时，所有类型的软件都可以更快地处理电子数据、提高通信质量并帮助信息交换顺利进行。在我们的切削刀具描述中支持一种通用语言，这将有助于系统间的通信。这将为您节省大量时间，通过我们的40,000个整体式可转位刀具更容易地收集高质量数据。通过使用符合ISO 13399标准的系统，不再需要手动解读数据并将其输入到系统中。

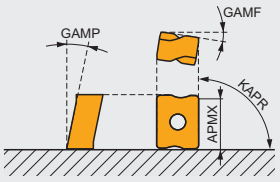
仅为示例！

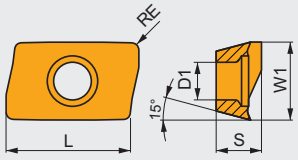


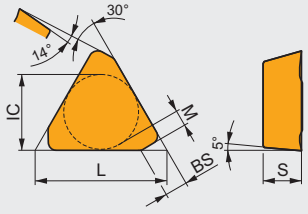


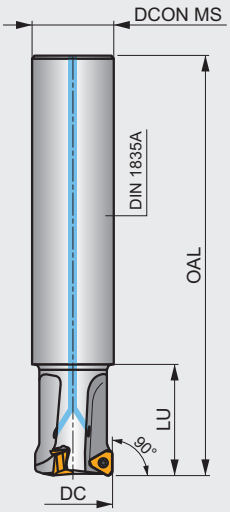


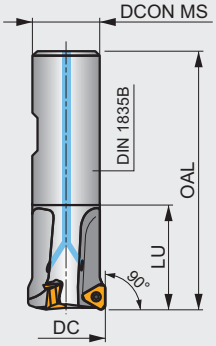


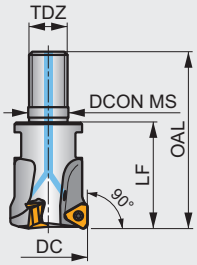


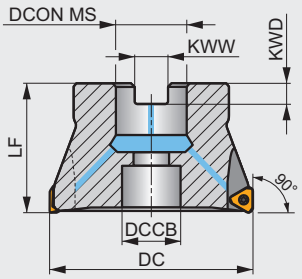












ISO 13399标准切削刀具参数

ISO 13399代码	说明
APMX	最大切削深度
BD	刀体直径
BDX	刀体最大直径
BCH	刀尖倒角长度
BS	修光刃长度
CBDP	连接孔深度
CDI	刀片切削直径
CDX	最大切削深度
CW	切削宽度
CZC MS	机床侧接头尺寸代码
D1	固定孔直径
DAH4	检修孔直径
DAH5	检修孔直径
DAH6	检修孔直径
DBC1	螺栓圆周直径1
DBC2	螺栓圆周直径2
DBC4	螺栓圆周直径
DBC5	螺栓圆周直径
DBC6	螺栓圆周直径
DC	切削直径
DCB	连接孔直径
DCCB	连接沉孔直径
DCN	最小切削直径
DCON MS	刀柄直径
DCX	最大切削直径
DHUB	毂直径
DN	缩颈直径
GAMF	径向前角
GAMP	轴向前角

ISO 13399代码	说明
CHW	刀尖倒角宽度
IC	内切圆直径
INSD	刀片直径
INSL	刀片长度
KAPR	刀具主偏角
KWD	键槽深度
KWW	键槽宽度
L	切削刃长度
LB	刀体长度
LE	切削刃有效长度
LF	有效长度
LH	刀头长度
LU	可用长度
LUX	最大可用长度
M	M-尺寸
NOF	刃数
OAL	总长度
P	刀片的螺距
PRFA	轮廓角度
PRFRAD(2)	轮廓半径
RE	刀尖半径
S	刀片厚度
S1	刀片总厚度
TDZ	螺纹直径尺寸
TP	螺纹螺距
TPI	每英寸螺纹牙数
W1	刀片宽度
ZNP	齿数

整体式
HM和HSS铣刀

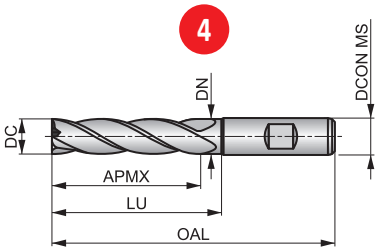
6		WMG & ISO 13399
10	立铣刀	说明
19		HM铣刀
117		HSS-E-PM、HSS-E、HSS铣刀
201		技术信息
212		旋转锉
292		螺纹铣刀
314	可转位铣刀	说明
328		导航工具
349		面铣刀
409		方肩铣刀
479		玉米铣刀
508		槽铣刀
521		仿形铣刀
613		快进给铣刀(HFC)
645		倒角和T形槽铣刀
667		其它刀片
691		技术信息

C273

DORMER

多-刃HSS-E-PM(粉末冶金钴高速钢)立铣刀长系列立铣刀，光亮

长切削长度，4，5或6刃设计提供了高刚性用于精加工深轮廓低碳钢和有色金属，如铝和中等强度钛合金。



HSS-E PM	N	NOF 4-6
	λ 30°	γ 12°
DIN 1835B	Bright	DC k10
	DIN 844L	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■46 C	■52 C	■54 C	■40 C	■35 C	◪32 C	◪26 B	◪19 B	◪14 C	◪12 C	◪12 C	◪10 B	◪25 C	◪19 C
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪14 C	◪49 C	◪40 C	◪32 B	◪44 C	◪33 C	◪27 A	◪40 B	◪30 B	◪22 B	◪19 A	◪16 A	◪46 B	◪34 B
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪27 B	◪81 E	◪60 D	◪41 D	◪41 C	◪37 C	◪26 C	■43 C	■25 C	■13 C	◪43 C	■25 B	◪20 B	◪13 A
S3.1	**S4.1**												
◪10 A	◪8 A												

DCON MS公差h6

产品型号	DC (inch)	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C2732.0	–	2.00	6.00	10.00	54.0	4	–	–
C2732.5	–	2.50	6.00	12.00	56.0	4	–	–
C2733.0	–	3.00	6.00	12.00	56.0	4	–	–
C2731/8 [2]	1/8	3.18	6.00	15.00	59.0	4	–	–
C2733.5	–	3.50	6.00	15.00	59.0	4	–	–
C2734.0	–	4.00	6.00	19.00	63.0	4	–	–
C2734.5	–	4.50	6.00	19.00	63.0	4	–	–
C2733/16 [2]	3/16	4.76	6.00	24.00	68.0	4	–	–
C2735.0	–	5.00	6.00	24.00	68.0	4	–	–
C2735.5	–	5.50	6.00	24.00	68.0	4	–	–
C2736.0	–	6.00	6.00	24.00	68.0	4	–	–
C2731/4 [2]	1/4	6.35	10.00	30.00	80.0	4	–	–
C2737.0	–	7.00	10.00	30.00	80.0	4	–	–
C2738.0	–	8.00	10.00	38.00	88.0	4	–	–
C2739.0	–	9.00	10.00	38.00	88.0	4	–	–
C2733/8 [2]	3/8	9.52	10.00	45.00	95.0	4	54.50	9.50
C27310.0	–	10.00	10.00	45.00	95.0	4	54.50	9.50
C27311.0	–	11.00	12.00	45.00	102.0	4	–	–
C27312.0	–	12.00	12.00	53.00	110.0	4	64.50	11.50
C2731/2 [2]	1/2	12.70	12.00	53.00	110.0	4	64.50	11.50
C27313.0	–	13.00	12.00	53.00	110.0	4	64.50	11.50
C27314.0	–	14.00	12.00	53.00	110.0	4	64.50	11.50
C27315.0	–	15.00	12.00	53.00	110.0	4	64.50	11.50
C2735/8 [2]	5/8	15.88	16.00	63.00	123.0	4	74.50	15.50
C27316.0	–	16.00	16.00	63.00	123.0	4	74.50	15.50

所示为立铣刀的典型页面–具体页面详情可能不同。

立铣刀 – 页面概览

图号	说明
1	立铣刀的类型
2	产品简介
3	实物图
4	刀具示意图
5	产品特点
6	铣削操作
7	推荐的材料组，包括线速度和进给指导
8	产品代码
9	产品尺寸

整体式HM和HSS铣刀 – 图标概览

通用图标

■	主要使用
◩	可以使用

材料代码（BMC）

HM	硬质合金（整硬合金）
HSS-E PM	粉末冶金钴高速钢刀具材料
HSS-E	钴高速钢刀具材料
HSS	高速钢刀具材料

铣刀廓形

N	通用型铣刀，适合加工低至高负荷的材料
W	有色金属铣刀，用于加工较软的可塑材料
FS	半精加工断屑槽
NF	粗玉米齿断屑槽
NR	粗波形刃断屑槽
HRA	细波形刃不对称断屑槽
NRA	粗波形刃不对称断屑槽
W NRA	有色金属铣刀，带粗波形刃不对称断屑槽
	大螺距
	小螺距

齿数（NOF）

NOF 1	齿数 = 1（单齿）
NOF 2	齿数 = 2（齿）
NOF 3	齿数 = 3（齿）
NOF 3≠	齿数= 3（不等齿距）
NOF 3-4	齿数 = 3 – 4（齿）
NOF 3-5	齿数 = 3 – 5（齿）
NOF 3-6	齿数 = 3 – 6（齿）
NOF 4	齿数= 4（齿）
NOF 4≠	齿数 = 4（不等齿距）
NOF 4-5	齿数 = 4 – 5（齿）
NOF 5	齿数= 5（齿）
NOF 4-6	齿数= 4 – 6（齿）
NOF 4-8	齿数 = 4 – 8（齿）
NOF 6-8	齿数 = 6 – 8（齿）
NOF 6-12	齿数 = 6 – 12（齿）
NOF 8	齿数= 8（齿）
NOF 8-12	齿数 = 8 – 12（齿）
NOF 10-12	齿数= 10 – 12（齿）
NOF 16-24	齿数 = 16 – 24（齿）
28-44 NOF	齿数 = 28 – 44（齿）
32-100 NOF	齿数 = 32 – 100（齿）
48-200 NOF	齿数 = 48 – 200（齿）
100-140 NOF	齿数 = 100 – 140（齿）
110-180 NOF	齿数 = 110 – 180（齿）
130-220 NOF	齿数 = 130 – 220（齿）
160-350 NOF	齿数 = 160 – 350（齿）

整体式HM和HSS铣刀 – 图标概览

切削长度

切削长度，超短	切削长度，中等	切削长度，超长
切削长度，短	切削长度，长	

容屑槽螺旋角（FHA）

λ ≠ 不等（可变）齿距	λ 25° 25°螺旋角（槽）	λ 40° 40°螺旋角（槽）
λ 0° 0°螺旋角（直槽）	λ 28° 28°螺旋角（槽）	λ 45° 45°螺旋角（槽）
λ 10° 10°螺旋角（槽）	λ 30° 30°螺旋角（槽）	λ 50° 50°螺旋角（槽）
λ 12° 12°螺旋角（槽）	λ 34° 34°螺旋角（槽）	
λ 15° 15°螺旋角（槽）	λ 35° 35°螺旋角（槽）	

径向前角（GAMF）

γ -26° -26°径向前角（切削）	γ 5° 5°径向前角（切削）	γ 13° 13°径向前角（切削）
γ -10° -10°径向前角（切削）	γ 7° 7°径向前角（切削）	γ 15° 15°径向前角（切削）
γ -6° -6°径向前角（切削）	γ 8° 8°径向前角（切削）	γ 18° 18°径向前角（切削）
γ 0° 0°径向前角（中置）	γ 9° 9°径向前角（切削）	γ 20° 20°径向前角（切削）
γ 3° 3°径向前角（切削）	γ 10° 10°径向前角（切削）	γ 25° 25°径向前角（切削）
γ 4° 4°径向前角（切削）	γ 12° 12°径向前角（切削）	

刀柄

DIN 1835A DIN 1835A圆柱刀柄	DIN 1835D DIN 1835D螺纹刀柄	DIN 6535HA DIN 6535 HA圆柱刀柄
D B DIN 1835 DIN 1835 – B（侧固）或D（螺纹）刀柄	DIN 1835B DIN 1835B侧固刀柄	DIN 6535HB DIN 6535 HB侧固刀柄

整体式HM和HSS铣刀 – 图标概览

涂层

Alcrona	铝铬氮化物涂层
Bright	光亮（无涂层）
ST	蒸汽回火
TiCN	氮炭化钛涂层
AlCrN	铝铬氮化物涂层
AlTiN	氮化钛铝TiAlN涂层
Hi	表面抛光处理
TiAlN	氮化钛铝TiAlN涂层
TiSiN	氮化钛硅涂层
X-CEED	特殊AlTiN涂层（具有最高抗氧化性）
Diamond	类金刚石涂层

切削直径公差等级（TCDC）

DC d11	d11 – 工业标准刀具公差带（取决于直径范围）
DC e8	e8 – 工业标准刀具公差带（取决于直径范围）
DC h9	h9 – 工业标准刀具公差带（取决于直径范围）
DC h10	h10 – 工业标准刀具公差带（取决于直径范围）
DC h11	h11 – 工业标准刀具公差带（取决于直径范围）
DC h12	h12 – 工业标准刀具公差带（取决于直径范围）
DC js14	js14 – 工业标准刀具公差带（取决于直径范围）
DC js16	js16 – 工业标准刀具公差带（取决于直径范围）
DC k10	k10 – 工业标准刀具公差带（取决于直径范围）
DC k12	k12 – 工业标准刀具公差带（取决于直径范围）

切削方向

	径向
	径向，斜向
	径向，斜向，轴向
	径向

基本标准组（BSG）

BS 122/4	BS 122/4 – 螺纹刀柄立铣刀标准
DIN 1833C	DIN 1833 C – 燕尾铣刀标准
DIN 1833D	DIN 1833 D – 反向燕尾铣刀标准
DIN 1837	DIN 1837 – 密齿型锯片铣刀标准
DIN 1838	DIN 1838 – 粗齿型锯片铣刀标准
DIN 1880	DIN 1880 – 套式铣刀标准
DIN 327D	DIN 327 D – 钻铣刀标准
DIN 844K	DIN 844 K – 立铣刀标准
DIN 844L	DIN 844 L – 高速钢立铣刀标准
DIN 850	DIN 850 – 键槽铣刀标准
DIN 851	DIN 851 – T形槽铣刀标准
DIN 885A	DIN 885 A – 侧面和面铣刀标准
DIN 6527K	DIN 6527 K – 硬质合金立铣刀标准
DIN 6527L	DIN 6527 L – 硬质合金立铣刀标准
DORMER	多马标准

整体式HM和HSS铣刀 – 图标概览

冷却方式（CSP）

内冷式

铣削操作

深方肩铣

深槽铣

浅槽铣

浅方肩铣

P9铣槽（键槽）

坡走铣

插铣

摆线铣

连续钻铣

钻孔

螺旋插补

车铣

波状表面（仿形铣）

平面铣

倒角铣

背面铣削

T形槽铣

燕尾铣

反向燕尾铣

半圆槽铣

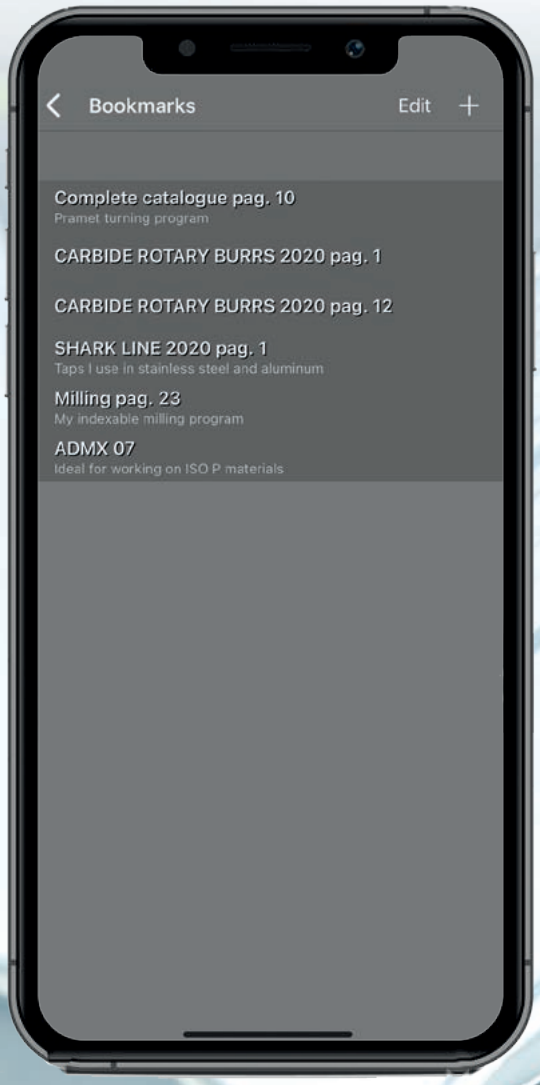
铣削 – 管件锯削

铣削 – 锯片切断

DORMER PRAMET

您的个人产品库

总是重复查阅手册中的同一章节？我们的Library应用程序支持保存重要页面，以便在需要时随时反复查阅。简单可靠。



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整体式HM铣刀

整体式HM铣刀 – 刀具材料和表面涂层导航工具

HM材料

硬质合金材料（或硬质材料）	HM	烧结粉末冶金基体，由金属硬质合金复合材料和粘结金属组成。最核心的原材料是碳化钨（WC）。碳化钨有助于提高材料硬度。碳化钽（TaC）、碳化钛（TiC）和碳化铌（NbC）是碳化钨的补充材料，可以根据需要调整碳化钨的性能。这三种材料被称为立方碳化物。钴（Co）起到粘结剂的作用，将材料粘结在一起。 硬质合金材料抗压强度高、硬度高，因此具有出色的耐磨性，但其抗弯强度和韧度有限。硬质合金用于丝锥、铰刀、铣刀、钻头和螺纹铣刀。

表面处理

光亮（无涂层）	Bright	光亮处理（表面无涂层）可改善软质金属或有色金属材料的切屑流，并在切削研磨材料时保持切削刃锋利。
表面抛光处理	Hi	表面抛光处理能够显著改善软质或粘性有色金属材料的切屑流。抛光处理有助于排屑，并能防止材料粘附在切削刃和槽中。

表面涂层

铝铬氮化物涂层（AlCrN）	AlCrN	Alcrona（AlCrN）系列涂层是氮化铝铬涂层，主要用于铣刀。这些涂层的两个独特特性是高热硬度和高抗氧化性。当用于涉及重型机械和热应力的加工应用刀具时，这些特性则转化为出色的耐磨性。这些涂层有多种级别或特定版本，适用于各种刀具和应用。
氮化钛硅涂层（TiSiN）	TiSiN	TiSiN适合在极端切削工况下对硬质材料进行高速加工。这种多层涂层的外层为纳米复合层，含有结晶TiN基体中的Si_3N_4纳米微晶，能够保护切削刃不受热传递、氧化和磨损的影响。TiSiN涂层在最低润滑条件甚至无润滑情况下也表现出良好的性能。
氮化钛铝涂层（TiAlN）	TiAlN	氮化钛铝是一种采用PVD涂层技术的多层陶瓷涂层，具有较高的韧性和氧化稳定性。这些特性使其适合更高的线速度和进给，同时提高了刀具寿命。TiAlN用于钻孔、攻丝和铣削应用，也适用于不需要冷却剂的加工。
氮化钛铝涂层（X-CEED）	X-CEED	X-CEED型TiAlN涂层也被称为Futura-Nano涂层，是一种能够适应更高热硬度和更高应力的纳米涂层。
氮化铝钛（AlTiN）涂层	AlTiN	氮化铝钛（AlTiN）是一种纳米层宽基涂层技术，是传统TiAlN涂层的升级版，能够提供卓越的韧性、高热硬度和抗氧化性。
类金刚石涂层（DLC）	Diamond	类金刚石涂层又称为类钻碳（DLC），为硬质合金刀具提供最高润滑度，并能在加工石墨或软质有色金属材料时避免形成切屑瘤。

整体式HM铣刀 – 产品系列

我们的整体式HM铣刀产品组合能够为几乎任何WMG机加工材料提供解决方案。

整体式HM铣刀产品系列：

产品系列	说明
S7xx	前角为7°至10°，广泛应用于中强度钢和铸钢、中强度不锈钢、铸铁以及中强度高温合金。
S2xx	前角为3°至4°，非常适合强度介于1200至1620 N/mm²之间的高合金钢、高于850 N/mm²的中等强度不锈钢以及高于900 N/mm²的中高强度高温合金。
S5xx	具有负前角，适合硬度高于54 HRC（不包括S501 – S511）的硬质材料。
S6xx	具有大前角，非常适合加工有色金属材料，但有一种产品例外：S612仅用于石墨等研磨材料。
S8xx **S501** **S511**	10°前角产品适合加工软钢到中强度钢和铸钢，软质不锈钢到中强度不锈钢，铸铁以及有色金属材料（如铝、铜及其合金）。
S9xx	前角为12°的铣刀适用于更软的材料，例如中强度以下的易加工钢和铸钢、铸铁、有色金属材料和纯钛。

材料代码(BMC)		HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
铣刀齿形		N	N	N	N	N	N	N	N	N	N	NRA	NRA	N
刃数(NOF)		NOF 2	NOF 3	NOF 3	NOF 3	NOF 4	NOF 4	NOF 4	NOF 4≠	NOF 4≠	NOF 4≠	NOF 4≠	NOF 4≠	NOF 4≠
切削长度														
螺旋槽(FHA)		λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ ≠
径向前角度(GAMF)		γ 10°	γ 10°	γ 10°	γ 10°	γ 10°	γ 10°	γ 10°	γ 7°	γ 10°	γ 10°	γ 10°	γ 10°	γ 10°
柄部		DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HB	DIN 6535HA
涂层		AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	TiSiN
切削直径公差等级(TCDC)		DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9
方向														
基本标准组(BSG)		DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER
冷却液 (CSP)														
									NEW				NEW	
产品系列代码		S710	S713	S714	S715	S716	S717	S718	S722HB	S761	S763	S765	S765HB	S766
		1.00 – 20.00	1.50 – 20.00	3.00 – 20.00	3.00 – 20.00	2.00 – 20.00	3.00 – 20.00	3.00 – 20.00	3.00 – 20.00	3.00 – 20.00	3.00 – 20.00	6.00 – 20.00	6.00 – 20.00	4.00 – 20.00
		28	29	30	31	32	33	34	35	36	37	38	39	40
P	P1	■	■	■	■	■	■	■	■	■	■	■	■	■
	P2	■	■	■	■	■	■	■	■	■	■	■	■	■
	P3	■	■	■	■	■	■	■	■	■	■	■	■	■
	P4	■	■	■	■	■	■	■	■	■	■	■	■	■
M	M1	■	■	■	■	■	■	■	■	■	■	■	■	■
	M2	■	■	■	■	■	■	■	■	■	■	■	■	■
	M3	■	■	■	■	■	■	■	■	■	■	■	■	■
	M4													
K	K1	■	■	■	■	■	■	■	■	■	■	■	■	■
	K2	■	■	■	■	■	■	■	■	■	■	■	■	■
	K3	■	■	■	■	■	■	■	■	■	■	■	■	■
	K4	■	■	■	■	■	■	■	■	■	■	■	■	■
	K5	■	■	■	■	■	■	■	■	■	■	■	■	■
N	N1			◩	◩		◩	◩						
	N2			◩	◩		◩	◩						
	N3			◩	◩		◩	◩						
	N4													
	N5													
S	S1	■	■	■	■	■	■	■	■	■	■	■	■	■
	S2	■	■	■	■	■	■	■	■	■	■	■	■	■
	S3	■	■	■	■	■	■	■	■	■	■	■	■	■
	S4	■	■	■	■	■	■	■	■	■	■	■	■	■
H	H1													
	H2													
	H3													
	H4													

■ 推荐使用 ◩ 可以使用

	S767	S768	S770HB	S771HB	S772HB	S773HB	S791	S739	S740	S216	S217	S218	S219	S225	S226
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	N	N	N	FS	N	FS	N	N	N	N	N	N	N	N	N
	NOF 4≠	NOF 4≠	NOF 5	NOF 5	NOF 5	NOF 5	NOF 3-4	NOF 2	NOF 2	NOF 4	NOF 4	NOF 4	NOF 4	NOF 6-8	NOF 6-8
	λ ≠	λ ≠	λ ≠	λ ≠	λ ≠	λ ≠	λ 30°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 40°	λ 50°	λ 50°
	γ 10°	γ 10°	γ 10°	γ 10°	γ 10°	γ 10°	γ 8°	γ 10°	γ 10°	γ 3°	γ 3°	γ 3°	γ 3°	γ 3°	γ 3°
	DIN 6535HA	DIN 6535HA	DIN 6535HB	DIN 6535HB	DIN 6535HB	DIN 6535HB	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA
	TiSiN	TiSiN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlTiN	AlTiN	AlTiN	AlTiN	AlTiN	AlTiN	AlTiN	AlTiN
	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9		DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9
	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER
		NEW	NEW	NEW	NEW	NEW	NEW								
	4.00 – 20.00	4.00 – 20.00	10.00 – 20.00	10.00 – 20.00	10.00 – 20.00	10.00 – 20.00	6.00 – 16.00	3.00 – 20.00	3.00 – 20.00	2.00 – 20.00	3.00 – 20.00	3.00 – 20.00	3.00 – 20.00	3.00 – 20.00	3.00 – 20.00
	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55
P1	■	■	■	■	■	■	■	■	■						
P2	■	■	■	■	■	■	■	■	■						
P3	■	■	■	■	■	■	■	■	■						
P4	■	■	■	■	■	■	■	■	■	◩	◩	◩	◩	◩	◩
M1	■	■	■	■	■	■	■	■	■						
M2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
M3	■	■	■	■	■	■	◩	■	■	■	■	■	■	■	■
M4							◩			■	■	■	■	■	■
K1	■	■	■	■	■	■	■	■	■						
K2	■	■	■	■	■	■	■	■	■						
K3	■	■	■	■	■	■	■	■	■						
K4	■	■	■	■	■	■	■	■	■						
K5	■	■	■	■	■	■	■	■	■						
N1							◩	■	■						
N2							◩	■	■						
N3							■	■	■						
N4							◩								
N5															
S1	■	■	■	■	■	■	◩	■	■	■	■	■	■	■	■
S2	■	■	■	■	■	■	◩	■	■	■	■	■	■	■	■
S3	■	■	■	■	■	■	◩	■	■	■	■	■	■	■	■
S4	■	■	■	■	■	■	◩	■	■	■	■	■	■	■	■
H1															
H2															
H3															
H4															

■ 推荐使用　◩ 可以使用

材料代码(BMC)	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
铣刀齿形	N	N	N	N	N	N	HRA	N	N	N	N	N	N	N
刃数(NOF)	NOF 6-8	NOF 2	NOF 2	NOF 2	NOF 4≠	NOF 4≠	NOF 4≠	NOF 4	NOF 4	NOF 4	NOF 6-8	NOF 6-8	NOF 6-8	
切削长度														
螺旋槽(FHA)	λ 50°	λ 30°	λ 30°	λ 30°	λ 40°	λ 40°	λ 40°	λ 45°	λ 40°	λ 40°	λ 50°	λ 50°	λ 50°	
径向前角度(GAMF)	γ 3°	γ 3°	γ 3°	γ 3°	γ 4°	γ 4°	γ 4°	γ -10°	γ -6°	γ -6°	γ -26°	γ -26°	γ -26°	
柄部	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	
涂层	AlTiN	TiSiN	TiSiN	TiSiN	AlCrN	AlCrN	AlCrN	TiSiN	TiSiN	TiSiN	TiSiN	TiSiN	TiSiN	
切削直径公差等级 (TCDC)	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	
方向														
基本标准组(BSG)	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	
冷却液 (CSP)														
产品系列代码	S227	S229	S231	S233	S260	S262	S264	S521	S523	S524	S525	S526	S527	
	6.00 – 20.00	1.50 – 16.00	1.50 – 16.00	2.00 – 16.00	3.00 – 20.00	3.00 – 20.00	6.00 – 20.00	3.00 – 16.00	1.50 – 16.00	3.00 – 16.00	3.00 – 20.00	3.00 – 20.00	3.00 – 20.00	
	56	57	58	59	60	61	63	64	65	67	68	69	70	
P	P1													
	P2													
	P3													
	P4	◩	◩	◩	◩									
M	M1													
	M2	■	■	■	■	■	■	■						
	M3	■	■	■	■	■	■	■						
	M4	■	■	■	■	■	■	■						
K	K1													
	K2													
	K3													
	K4													
	K5													
N	N1													
	N2													
	N3													
	N4													
	N5													
S	S1	■	■	■	■	■	■	■						
	S2	■	■	■	■	■	■	■						
	S3	■	■	■	■	■	■	■						
	S4	■	■	■	■	■	■	■						
H	H1					■	■	■	■	■	■	■	■	■
	H2					■	■	■	■	■	■	■	■	■
	H3					■	■	■	■	■	■	■	■	■
	H4								■	■	■	■	■	■

■ 推荐使用 ◩ 可以使用

	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	N	N	N	N	N	N	N	W	W	W	W	W	W	W	W	W NRA
	NOF 2	NOF 2	NOF 2	NOF 4	NOF 4	NOF 4-6	NOF 4≠	NOF 1	NOF 2	NOF 2	NOF 3	NOF 2	NOF 2	NOF 3≠	NOF 3≠
	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 25°	λ 40°	λ 25°	λ 30°	λ 30°	λ 40°	λ 30°	λ 30°	λ 40°	λ 40°
	γ -10°	γ -10°	γ -10°	γ -10°	γ -10°	γ 0°	γ -6°	γ 20°	γ 20°	γ 20°	γ 13°	γ 15°	γ 20°	γ 13°	γ 15°
	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HA
	TiSiN	TiSiN	TiSiN	TiSiN	TiSiN	TiSiN	TiSiN	Hi	Hi	Hi	Bright	Bright	Hi	Bright	Bright
	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9	DC h9
	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER
							NEW				NEW			NEW	NEW
	S529	S531	S533	S534	S535	S536	S561	S637	S610	S611	S614	S629	S638	S650	S654
	1.50 – 16.00	1.50 – 16.00	2.00 – 16.00	3.00 – 16.00	3.00 – 16.00	6.00 – 12.00	1.00 – 20.00	2.00 – 12.00	2.00 – 20.00	3.00 – 20.00	3.00 – 16.00	1.00 – 20.00	6.20 – 20.30	1.00 – 20.00	6.00 – 20.00
	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85
P1															
P2															
P3															
P4															
M1															
M2															
M3															
M4															
K1															
K2															
K3															
K4															
K5															
N1								■	■	■	■	■	■	■	■
N2								■	■	■	■	■	■	■	■
N3								■	■	■	■	■	■	■	■
N4								■	■	■	■	■	■	■	■
N5															
S1															
S2															
S3															
S4															
H1	■	■	■	■	■	■	■								
H2	■	■	■	■	■	■	■								
H3	■	■	■	■	■	■	■								
H4	■	■	■	■	■	■	■								

■ 推荐使用　◩可以使用

材料代码(BMC)		HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
铣刀齿形		W	N	N	N	N	N	N	N	N	N	N	N	N
刃数(NOF)		NOF 4≠	NOF 4	NOF 2	NOF 2	NOF 2	NOF 2	NOF 2	NOF 3	NOF 3	NOF 3	NOF 3	NOF 3	NOF 4
切削长度														
螺旋槽(FHA)		λ 40°	λ 40°	λ 28°	λ 28°	λ 28°	λ 28°	λ 28°	λ 28°	λ 28°	λ 28°	λ 28°	λ 28°	λ 34°
径向前角度(GAMF)		γ 10°	γ 10°	γ 9°	γ 9°	γ 9°	γ 9°	γ 9°	γ 9°	γ 9°	γ 9°	γ 9°	γ 9°	γ 9°
柄部		DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HA
涂层		Bright	Diamond	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN	AlCrN
切削直径公差等级(TCDC)		DC h9	DC h9											DC h10
方向														
基本标准组(BSG)		DORMER	DORMER	DIN 6527K	DIN 6527K	DIN 6527L	DIN 6527L	DORMER	DIN 6527K	DIN 6527K	DIN 6527L	DIN 6527L	DORMER	DIN 6527K
冷却液 (CSP)														
		NEW												
产品系列代码		S662	S612	S802HA	S802HB	S812HA	S812HB	S822	S803HA	S803HB	S813HA	S813HB	S823	S804HA
		3.00 – 20.00	1.00 – 12.00	1.00 – 20.00	2.00 – 20.00	2.00 – 20.00	2.00 – 20.00	2.00 – 20.00	1.00 – 20.00	2.00-20.00	2.00 – 20.00	2.00 – 20.00	2.00 – 20.00	2.00 – 25.00
		86	87	88	89	90	91	92	93	94	95	96	97	98
P	P1			■	■	■	■	■	■	■	■	■	■	■
	P2			■	■	■	■	■	■	■	■	■	■	■
	P3			■	■	■	■	■	■	■	■	■	■	■
	P4			■	■	■	■	■	■	■	■	■	■	■
M	M1			■	■	■	■	■	■	■	■	■	■	■
	M2			■	■	■	■	■	■	■	■	■	■	■
	M3			■	■	■	■	■	■	■	◩	◩	◩	■
	M4			◩	◩	■	■	■	◩	◩	◩	◩	◩	◩
K	K1			■	■	■	■	■	■	■	■	■	■	■
	K2			■	■	■	■	■	■	■	■	■	■	■
	K3			■	■	■	■	■	■	■	■	■	■	■
	K4			■	■	■	■	■	■	■	■	■	■	■
	K5			■	■	■	■	■	■	■	■	■	■	■
N	N1	■		◩	◩	■	■	■	◩	◩	◩	◩	◩	◩
	N2	■		■	■	■	■	■	■	■	■	■	■	◩
	N3	■		■	■	■	■	■	■	■	■	■	■	■
	N4	■		◩	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩
	N5		■											
S	S1			◩	◩	■	■	■	◩	◩	◩	◩	◩	◩
	S2			◩	◩	■	■	■	◩	◩	◩	◩	◩	◩
	S3			◩	◩	■	■	■	◩	◩	◩	◩	◩	◩
	S4			◩	◩	■	■	■	◩	◩	◩	◩	◩	◩
H	H1													
	H2													
	H3													
	H4													

■ 推荐使用 ◩ 可以使用

	S804HB	S814HA	S814HB	S501	S511	S902	S922	S903	S933	S904	S944	S991		
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM			
	N	N	N	N	N	N	N	N	N	N	N			
	NOF 4	NOF 4	NOF 4	NOF 2	NOF 4	NOF 2	NOF 2	NOF 3	NOF 3	NOF 4	NOF 4			
	λ 34°	λ 34°	λ 34°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°			
	γ 9°	γ 9°	γ 9°	γ 10°	γ 10°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°			
	DIN 6535HB	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HB			
	AlCrN	AlCrN	AlCrN	X-CEED	X-CEED	Bright	TiAlN	Bright	TiAlN	Bright	TiAlN			
	DC h10	DC h10	DC h10	DC h9	DC h9	DC h10	DC h10	DC h10	DC h10	DC h12	DC h12			
	DIN 6527K	DIN 6527L	DIN 6527L	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER			
	2.00 – 25.00	2.00 – 25.00	2.00 – 25.00	1.00 – 16.00	3.00 – 16.00	2.00 – 20.00	2.00 – 20.00	2.00 – 20.00	2.00 – 20.00	2.00 – 20.00	2.00 – 20.00	Set		
	99	100	101	102	103	104	105	106	107	108	109	110		
P1	■	■	■	■	■	■	■	■	■	■	■			
P2	■	■	■	■	■	■	■	■	■	■	■			
P3	■	■	■	■	■	■	■	■	■	■	■			
P4	■	■	■	■	■	◩	■	◩	■	◩	■			
M1	■	■	■	■	■									
M2	■	■	■	■	■									
M3	■	◩	◩	◩	◩									
M4	◩	◩	◩	◩	◩									
K1	■	■	■	■	■	◩	■	◩	■	◩	■			
K2	■	■	■	■	■	■	■	■	■	■	■			
K3	■	■	■	■	■	■	■	■	■	■	■			
K4	■	■	■	■	■	◩	■	◩	■	◩	■			
K5	■	■	■	■	■	■	■	■	■	■	■			
N1	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩			
N2	◩	◩	◩	◩	◩	◩	■	◩	■	◩	■			
N3	■	■	■	■	■	■	■	■	■	■	■			
N4	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩			
N5														
S1	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩			
S2	◩	◩	◩	◩	◩					◩	◩			
S3	◩	◩	◩	◩	◩					◩	◩			
S4	◩	◩	◩	◩	◩					◩	◩			
H1														
H2														
H3														
H4														

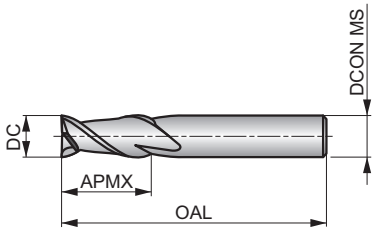
■ 推荐使用　◩ 可以使用

S710

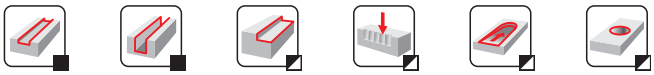
DORMER

2-刃整硬合金立铣刀

短切削长度，2-刃设计，具有40°螺旋槽为铣削标准槽提供高刚性。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 2
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

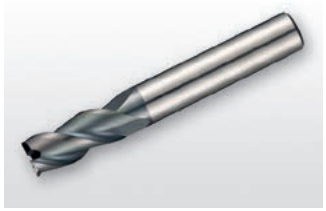
P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■199 K	■223 K	■230 K	■170 K	■150 K	■133 J	■138 K	■111 J	■94 J	■82 J	■70 J	■115 K	■97 K	■102 K
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■84 J	■94 J	■81 J	■196 K	■145 K	■109 K	■202 K	■164 K	■131 J	■178 K	■136 K	■110 J	■165 J	■125 J
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■91 J	■78 J	■65 J	■187 J	■141 J	■109 J	■69 J	■53 J	■40 J	■31 J				

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7101.0	1.00	3.00	3.00	40.0	2
S7101.5	1.50	3.00	4.50	40.0	2
S7102.0	2.00	3.00	6.50	40.0	2
S7102.5	2.50	3.00	6.50	40.0	2
S7103.0	3.00	6.00	9.00	50.0	2
S7104.0	4.00	6.00	12.00	50.0	2
S7105.0	5.00	6.00	15.00	50.0	2
S7106.0	6.00	6.00	20.00	60.0	2
S7108.0	8.00	8.00	20.00	64.0	2
S71010.0	10.00	10.00	22.00	75.0	2
S71012.0	12.00	12.00	25.00	75.0	2
S71016.0	16.00	16.00	32.00	90.0	2
S71020.0	20.00	20.00	38.00	100.0	2

S713

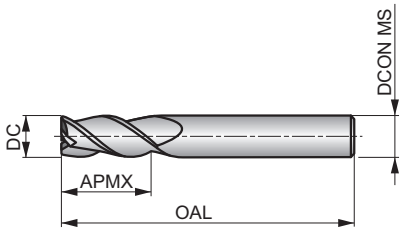
DORMER



3-刃整硬合金立铣刀

短切削长度，3-刃设计，具有40°螺旋槽为铣削标准槽提供高刚性。AlCrN涂层提高性能和延长刀具寿命。

HM	N	NOF 3
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■199 J	■223 J	■230 J	■170 J	■150 J	■133 I	■138 J	■111 I	■94 I	■82 I	■70 I	■115 J	■97 J	■102 J
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■84 I	■94 I	■81 I	■196 J	■145 J	■109 J	■202 J	■164 J	■131 I	■178 J	■136 J	■110 I	■165 I	■125 I
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■91 I	■78 I	■65 I	■187 I	■141 I	■109 I	■69 I	■53 I	■40 I	■31 I				

DCON MS公差h6

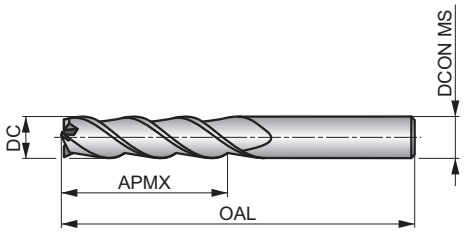
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7131.5	1.50	4.00	4.50	40.0	3
S7132.0	2.00	4.00	6.50	40.0	3
S7133.0	3.00	3.00	9.00	40.0	3
S7134.0	4.00	4.00	12.00	50.0	3
S7135.0	5.00	5.00	15.00	50.0	3
S7136.0	6.00	6.00	16.00	50.0	3
S7138.0	8.00	8.00	20.00	64.0	3
S71310.0	10.00	10.00	22.00	70.0	3
S71312.0	12.00	12.00	25.00	75.0	3
S71314.0	14.00	14.00	32.00	90.0	3
S71316.0	16.00	16.00	32.00	90.0	3
S71318.0	18.00	18.00	38.00	100.0	3
S71320.0	20.00	20.00	38.00	100.0	3

S714

DORMER

3-刃整硬合金立铣刀，长系列

长切削长度，3-刃设计，具有40°螺旋槽提供了高刚性，用于深壁轮廓铣削。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 3
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■140 J	■157 J	■162 J	■120 J	■106 J	■94 I	■97 J	■78 I	■66 I	■58 I	■49 I	■81 J	■68 J	■71 J
M2.2	M3.1	M3.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2
■59 I	■66 I	■57 I	■138 J	■102 J	■77 J	■142 J	■115 J	■92 I	■125 J	■96 J	■78 I	■116 I	■88 I
K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2
■64 I	■55 I	■46 I	■132 I	■99 I	■77 I	◪249 K	◪187 K	◪125 K	◪125 J	◪112 J	◪81 J	◪131 J	◪76 J
N3.3	S1.2	S2.1	S3.1	S4.1									
◪39 J	■49 I	■37 I	■28 I	■22 I									

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7143.0	3.00	3.00	19.00	60.0	3
S7144.0	4.00	4.00	19.00	60.0	3
S7145.0	5.00	5.00	19.00	60.0	3
S7146.0	6.00	6.00	31.00	75.0	3
S7148.0	8.00	8.00	31.00	75.0	3
S71410.0	10.00	10.00	31.00	75.0	3
S71412.0	12.00	12.00	50.00	100.0	3
S71414.0	14.00	14.00	57.00	125.0	3
S71416.0	16.00	16.00	57.00	125.0	3
S71418.0	18.00	18.00	57.00	125.0	3
S71420.0	20.00	20.00	57.00	125.0	3

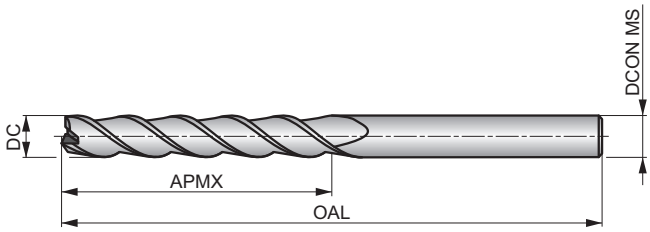
S715

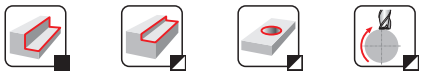
DORMER

3-刃整硬合金立铣刀，超长系列

超长切削长度，3-刃设计，具有40°螺旋槽提供了高刚性，用于精加工超深壁面。AlCrN涂层提高性能和延长刀具寿命。

HM	N	NOF 3
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■88 J	■98 J	■101 J	■75 J	■66 J	■59 I	■61 J	■49 I	■41 I	■36 I	■31 I	■50 J	■42 J	■44 J
M2.2	M3.1	M3.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2
■36 I	■41 I	■35 I	■86 J	■64 J	■48 J	■89 J	■72 J	■58 I	■79 J	■60 J	■49 I	■73 I	■55 I
K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2
■40 I	■35 I	■29 I	■83 I	■62 I	■48 I	◪178 K	◪134 K	◪90 K	◪90 J	◪80 J	◪58 J	◪94 J	◪55 J
N3.3	S1.2	S2.1	S3.1	S4.1									
◪28 J	■30 I	■23 I	■18 I	■14 I									

DCON MS公差h6

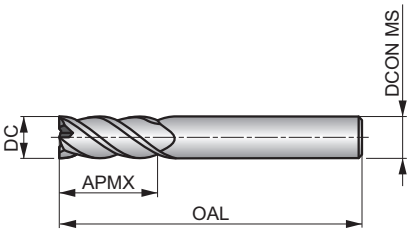
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7153.0	3.00	3.00	25.00	100.0	3
S7154.0	4.00	4.00	31.00	100.0	3
S7155.0	5.00	5.00	31.00	100.0	3
S7156.0	6.00	6.00	38.00	100.0	3
S7158.0	8.00	8.00	41.00	100.0	3
S71510.0	10.00	10.00	57.00	125.0	3
S71512.0	12.00	12.00	75.00	150.0	3
S71514.0	14.00	14.00	75.00	150.0	3
S71516.0	16.00	16.00	75.00	150.0	3
S71518.0	18.00	18.00	75.00	150.0	3
S71520.0	20.00	20.00	75.00	150.0	3

S716

DORMER

4-刃整硬合金立铣刀

短切削长度，4-刃设计，具有40°螺旋槽提供了高刚性，适用于标准轮廓铣削。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 4
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■199 J	■223 J	■230 J	■170 J	■150 J	■133 I	■138 J	■111 I	■94 I	■82 I	■70 I	■115 J	■97 J	■102 J
M2.2	M3.1	M3.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2
■84 I	■94 I	■81 I	■196 J	■145 J	■109 J	■202 J	■164 J	■131 I	■178 J	■136 J	■110 I	■165 I	■125 I
K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	S1.2	S2.1	S3.1	S4.1				
■91 I	■78 I	■65 I	■187 I	■141 I	■109 I	■69 I	■53 I	■40 I	■31 I				

DCON MS公差h6

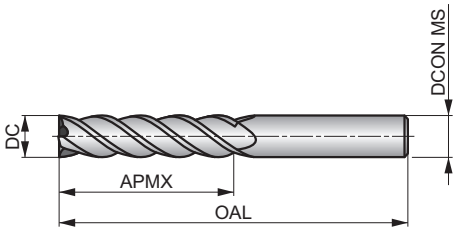
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7162.0	2.00	4.00	6.50	40.0	4
S7163.0	3.00	3.00	9.00	40.0	4
S7164.0	4.00	4.00	12.00	50.0	4
S7165.0	5.00	5.00	15.00	50.0	4
S7166.0	6.00	6.00	16.00	50.0	4
S7168.0	8.00	8.00	20.00	64.0	4
S71610.0	10.00	10.00	22.00	70.0	4
S71612.0	12.00	12.00	25.00	75.0	4
S71614.0	14.00	14.00	32.00	90.0	4
S71616.0	16.00	16.00	32.00	90.0	4
S71618.0	18.00	18.00	38.00	100.0	4
S71620.0	20.00	20.00	38.00	100.0	4

S717

DORMER

4-刃整硬合金立铣刀，长系列

长切削长度，4-刃设计，具有40°螺旋槽提供了高刚性，用于深壁轮廓铣削。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 4
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■140 J	■157 J	■162 J	■120 J	■106 J	■94 I	■97 J	■78 I	■66 I	■58 I	■49 I	■81 J	■68 J	■71 J
M2.2	M3.1	M3.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2
■59 I	■66 I	■57 I	■138 J	■102 J	■77 J	■142 J	■115 J	■92 I	■125 J	■96 J	■78 I	■116 I	■88 I
K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2
■64 I	■55 I	■46 I	■132 I	■99 I	■77 I	◪249 K	◪187 K	◪125 K	◪125 J	◪112 J	◪81 J	◪131 J	◪76 J
N3.3	S1.2	S2.1	S3.1	S4.1									
◪39 J	■49 I	■37 I	■28 I	■22 I									

DCON MS公差h6

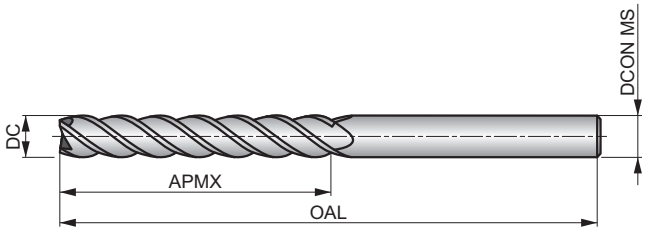
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7173.0	3.00	3.00	19.00	60.0	4
S7174.0	4.00	4.00	19.00	60.0	4
S7175.0	5.00	5.00	19.00	60.0	4
S7176.0	6.00	6.00	31.00	75.0	4
S7178.0	8.00	8.00	31.00	75.0	4
S71710.0	10.00	10.00	31.00	75.0	4
S71712.0	12.00	12.00	50.00	100.0	4
S71714.0	14.00	14.00	57.00	125.0	4
S71716.0	16.00	16.00	57.00	125.0	4
S71718.0	18.00	18.00	57.00	125.0	4
S71720.0	20.00	20.00	57.00	125.0	4

S718

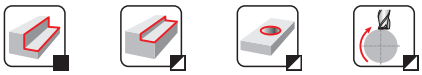
DORMER

4-刃整硬合金立铣刀，超长系列

超长切削长度，4-刃设计，具有40°螺旋槽提供了高刚性，用于精加工超深壁面。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 4
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■88 J	■98 J	■101 J	■75 J	■66 J	■59 I	■61 J	■49 I	■41 I	■36 I	■31 I	■50 J	■42 J	■44 J
M2.2	M3.1	M3.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2
■36 I	■41 I	■35 I	■86 J	■64 J	■48 J	■89 J	■72 J	■58 I	■79 J	■60 J	■49 I	■73 I	■55 I
K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2
■40 I	■35 I	■29 I	■83 I	■62 I	■48 I	◪178 K	◪134 K	◪90 K	◪90 J	◪80 J	◪58 J	◪94 J	◪55 J
N3.3	S1.2	S2.1	S3.1	S4.1									
◪28 J	■30 I	■23 I	■18 I	■14 I									

DCON MS公差h6

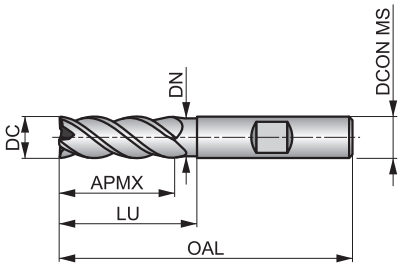
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7183.0	3.00	3.00	25.00	100.0	4
S7184.0	4.00	4.00	31.00	100.0	4
S7185.0	5.00	5.00	31.00	100.0	4
S7186.0	6.00	6.00	38.00	100.0	4
S7188.0	8.00	8.00	41.00	100.0	4
S71810.0	10.00	10.00	57.00	125.0	4
S71812.0	12.00	12.00	75.00	150.0	4
S71814.0	14.00	14.00	75.00	150.0	4
S71816.0	16.00	16.00	75.00	150.0	4
S71818.0	18.00	18.00	75.00	150.0	4
S71820.0	20.00	20.00	75.00	150.0	4

S722HB

DORMER

4-刃整硬合金立铣刀

中等切削长度，4-刃设计，具有40°螺旋槽，不等齿距和侧固柄提供了高刚性，用于深壁轮廓铣削。颈部避空避免与工作接触壁面并扩大加工范围。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 4 ≠
	λ 40°	γ 7°
DIN 6535HB	AlCrN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■199 J	■223 J	■230 J	■170 J	■150 J	■133 I	■138 J	■111 I	■94 I	■82 I	■70 I	■115 J	■97 J	■102 J
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■84 I	■94 I	■81 I	■196 J	■145 J	■109 J	■202 J	■164 J	■131 I	■178 J	■136 J	■110 I	■165 I	■125 I
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■91 I	■78 I	■65 I	■187 I	■141 I	■109 I	■69 I	■53 I	■40 I	■31 I				

DCON MS公差h6; RE ±0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S722HB3.0	3.00	0.10	6.00	9.00	50.0	4	15.00	2.80
S722HB4.0	4.00	0.10	6.00	11.00	57.0	4	20.00	3.70
S722HB5.0	5.00	0.10	6.00	13.00	57.0	4	20.00	4.60
S722HB6.0	6.00	0.10	6.00	20.00	60.0	4	25.00	5.50
S722HB8.0	8.00	0.20	8.00	20.00	64.0	4	26.00	7.40
S722HB10.0	10.00	0.20	10.00	27.00	70.0	4	32.00	9.20
S722HB12.0	12.00	0.20	12.00	26.00	83.0	4	37.00	11.00
S722HB14.0	14.00	0.20	14.00	26.00	83.0	4	37.00	13.00
S722HB16.0	16.00	0.20	16.00	32.00	92.0	4	42.00	15.00
S722HB18.0	18.00	0.20	18.00	32.00	92.0	4	42.00	17.00
S722HB20.0	20.00	0.20	20.00	38.00	104.0	4	50.00	19.00

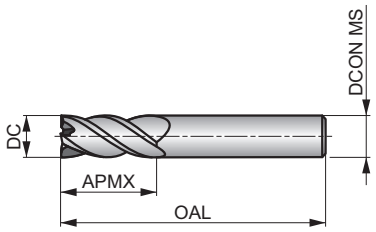
S761

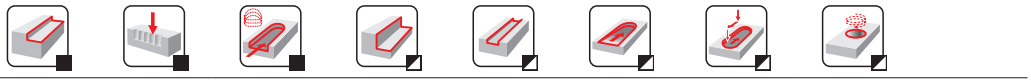
DORMER

4-刃整硬合金立铣刀

短切削长度，4-刃设计，具有40°螺旋槽和不等齿距，有助于降低振动和提高表面光洁度，在轮廓铣削。AlCrN涂层提高性能和延长刀具寿命。也适合于插铣，坡走铣和摆线加工铣削。

HM	N	NOF 4≠
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■211 J	■236 J	■243 J	■180 J	■158 J	■140 I	■146 J	■117 I	■99 I	■86 I	■74 I	■122 J	■103 J	■108 J
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■89 I	■100 I	■86 I	■208 J	■154 J	■116 J	■214 J	■174 J	■139 I	■189 J	■145 J	■117 I	■176 I	■132 I
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■97 I	■83 I	■69 I	■199 I	■149 I	■116 I	■72 I	■56 I	■42 I	■33 I				

DCON MS公差h6

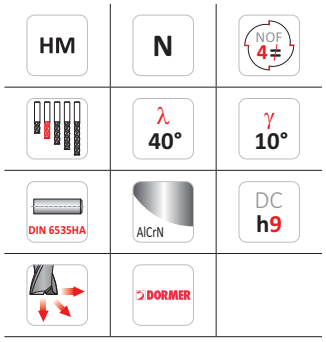
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7613.0	3.00	6.00	9.00	57.0	4
S7614.0	4.00	6.00	12.00	57.0	4
S7615.0	5.00	6.00	13.00	57.0	4
S7616.0	6.00	6.00	13.00	57.0	4
S7618.0	8.00	8.00	20.00	64.0	4
S76110.0	10.00	10.00	22.00	72.0	4
S76112.0	12.00	12.00	26.00	83.0	4
S76114.0	14.00	14.00	32.00	83.0	4
S76116.0	16.00	16.00	32.00	92.0	4
S76120.0	20.00	20.00	38.00	104.0	4

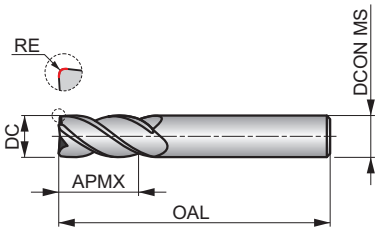
S763

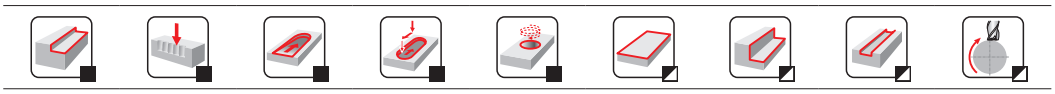
DORMER

4-刃整硬合金圆角立铣刀

短切削长度，4-刃设计，具有提供不同圆角尺寸，40°螺旋槽，具有不等齿距，有助于降低振动和提高表面光洁度，这就是铣削轮廓时需要一个圆角半径的应用。AlCrN涂层提高性能。也适合于插铣，坡走铣，Z-层粗加工和螺旋插补铣。







工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
211 J	236 J	243 J	180 J	158 J	140 I	146 J	117 I	99 I	86 I	74 I	122 J	103 J	108 J
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
89 I	100 I	86 I	208 J	154 J	116 J	214 J	174 J	139 I	189 J	145 J	117 I	176 I	132 I
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
97 I	83 I	69 I	199 I	149 I	116 I	72 I	56 I	42 I	33 I				

DCON MS公差h6; RE ±0.01 mm

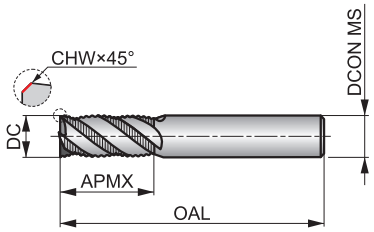
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7633.0XR0.3	3.00	0.30	3.00	9.00	40.0	4
S7634.0XR0.3	4.00	0.30	4.00	12.00	50.0	4
S7634.0XR0.5	4.00	0.50	4.00	12.00	50.0	4
S7635.0XR0.3	5.00	0.30	5.00	15.00	50.0	4
S7635.0XR0.5	5.00	0.50	5.00	15.00	50.0	4
S7636.0XR0.5	6.00	0.50	6.00	16.00	50.0	4
S7636.0XR1.0	6.00	1.00	6.00	16.00	50.0	4
S7638.0XR0.5	8.00	0.50	8.00	20.00	64.0	4
S7638.0XR1.0	8.00	1.00	8.00	20.00	64.0	4
S76310.0XR0.5	10.00	0.50	10.00	22.00	70.0	4
S76310.0XR1.0	10.00	1.00	10.00	22.00	70.0	4
S76310.0XR2.0	10.00	2.00	10.00	22.00	70.0	4
S76312.0XR1.0	12.00	1.00	12.00	25.00	75.0	4
S76312.0XR2.0	12.00	2.00	12.00	25.00	75.0	4
S76312.0XR3.0	12.00	3.00	12.00	25.00	75.0	4
S76314.0XR1.5	14.00	1.50	14.00	32.00	90.0	4
S76316.0XR1.0	16.00	1.00	16.00	32.00	90.0	4
S76316.0XR2.0	16.00	2.00	16.00	32.00	90.0	4
S76316.0XR3.0	16.00	3.00	16.00	32.00	90.0	4
S76318.0XR2.0	18.00	2.00	18.00	38.00	100.0	4
S76320.0XR3.0	20.00	3.00	20.00	38.00	100.0	4

S765

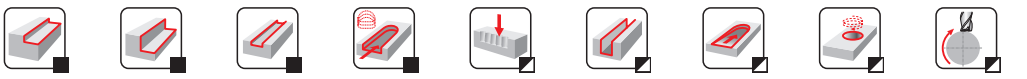
DORMER

4-刃整硬合金粗加工立铣刀，DIN 6535 HA刀柄

短切削长度，4-刃设计，具有40°螺旋槽和不等齿距，有助于降低振动。NRA粗波形刃不对称断屑槽，可破损切屑，用于高效率的粗加工应用。AlCrN涂层提高性能和延长刀具寿命。也适用于铣槽和摆线粗加工应用。



HM	NRA	NOF 4≠
	λ 40°	γ 10°
DIN 6535HA	AlCrN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■211 J	■236 J	■243 J	■180 J	■158 J	■140 J	■146 J	■117 J	■99 J	■86 J	■74 J	■122 J	■103 J	■108 J
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■89 J	■100 J	■86 J	■208 J	■154 J	■116 J	■214 J	■174 J	■139 J	■189 J	■145 J	■117 J	■176 J	■132 J
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■97 J	■83 I	■69 I	■199 J	■149 J	■116 J	■72 J	■56 I	■42 I	■33 I				

DCON MS公差h6; CHW ±0.02×45° mm

产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7656.0	6.00	0.10	6.00	16.00	50.0	4
S7658.0	8.00	0.20	8.00	20.00	64.0	4
S76510.0	10.00	0.20	10.00	22.00	70.0	4
S76512.0	12.00	0.20	12.00	26.00	75.0	4
S76514.0	14.00	0.30	14.00	32.00	90.0	4
S76516.0	16.00	0.30	16.00	32.00	90.0	4
S76518.0	18.00	0.30	18.00	38.00	100.0	4
S76520.0	20.00	0.40	20.00	38.00	100.0	4

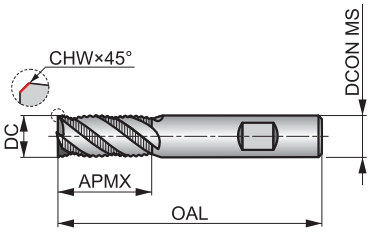
NEW

S765HB

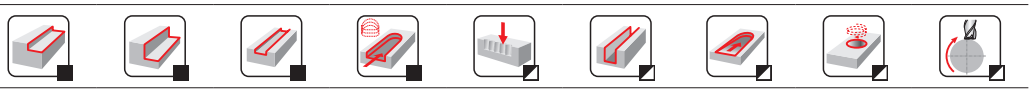
DORMER

4-刃整硬合金粗加工立铣刀，DIN 6535 HB刀柄

短切削长度，4-刃设计，具有40°螺旋槽和不等齿距，有助于降低振动。NRA粗波形刃不对称断屑槽，可破损切屑，用于高效率的粗加工应用。侧固刀柄防止立铣刀在刀柄中打滑。AlCrN涂层。也适用于铣槽和摆线粗加工应用。



HM	NRA	NOF 4
	λ 40°	γ 10°
DIN 6535HB	AlCrN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

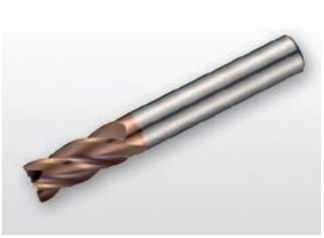
P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■211 J	■236 J	■243 J	■180 J	■158 J	■140 J	■146 J	■117 J	■99 J	■86 J	■74 J	■122 J	■103 J	■108 J
M2.2	M3.1	M3.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2
■89 J	■100 J	■86 J	■208 J	■154 J	■116 J	■214 J	■174 J	■139 J	■189 J	■145 J	■117 J	■176 J	■132 J
K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	S1.2	S2.1	S3.1	S4.1				
■97 J	■83 I	■69 I	■199 J	■149 J	■116 J	■72 J	■56 I	■42 I	■33 I				

DCON MS公差h6; CHW ±0.02×45° mm

产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S765HB6.0	6.00	0.10	6.00	16.00	50.0	4
S765HB8.0	8.00	0.20	8.00	20.00	64.0	4
S765HB10.0	10.00	0.20	10.00	22.00	70.0	4
S765HB12.0	12.00	0.20	12.00	26.00	75.0	4
S765HB14.0	14.00	0.30	14.00	32.00	90.0	4
S765HB16.0	16.00	0.30	16.00	32.00	90.0	4
S765HB18.0	18.00	0.30	18.00	38.00	100.0	4
S765HB20.0	20.00	0.40	20.00	38.00	100.0	4

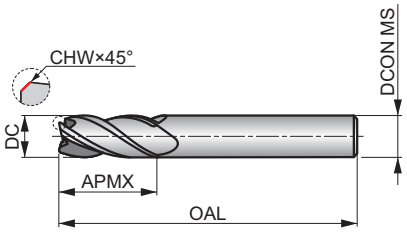
S766

DORMER



4-刃整硬合金立铣刀

短切削长度，4-刃设计，具有不等齿距，轮廓铣削时有助于降低振动和提高表面光洁度。TiSiN涂层增加刀具寿命和提高性能。也适合于插铣，坡走铣和摆线加工铣削。



HM	N	NOF 4≠
	λ ≠	γ 10°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■211 J	■236 J	■243 J	■180 J	■158 J	■140 I	■146 J	■117 I	■99 I	■86 I	■74 I	■122 J	■103 J	■108 J
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■89 I	■100 I	■86 I	■208 J	■154 J	■116 J	■214 J	■174 J	■139 I	■189 J	■145 J	■117 I	■176 I	■132 I
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■97 I	■83 I	■69 I	■199 I	■149 I	■116 I	■72 I	■56 I	■42 I	■33 I				

DCON MS公差h6; CHW ±0.02×45° mm

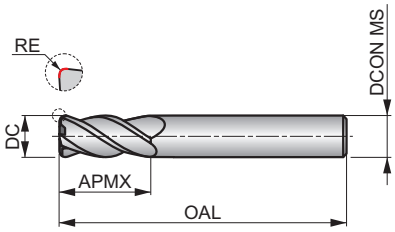
产品型号	DC	CHW	DCON MS	APMX	OAL	NOF
	(mm)	(mm)	(mm)	(mm)	(mm)	
S7664.0	4.00	0.10	6.00	11.00	57.0	4
S7665.0	5.00	0.10	6.00	13.00	57.0	4
S7666.0	6.00	0.10	6.00	13.00	57.0	4
S7668.0	8.00	0.20	8.00	20.00	64.0	4
S76610.0	10.00	0.20	10.00	22.00	72.0	4
S76612.0	12.00	0.20	12.00	26.00	83.0	4
S76614.0	14.00	0.30	14.00	26.00	83.0	4
S76616.0	16.00	0.30	16.00	32.00	92.0	4
S76620.0	20.00	0.40	20.00	38.00	104.0	4

S767

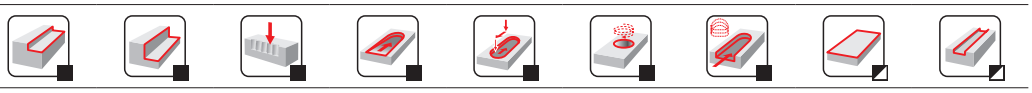
DORMER

4-刃整硬合金圆角立铣刀

短切削长度，4-刃设计，具有提供不同圆角尺寸，不等齿距和不等齿距，有助于降低振动和提高表面光洁度，这就是铣削轮廓时需要一个圆角半径的应用。TiSiN涂层提高性能。也适合于插铣，坡走铣和摆线加工铣削。



HM	N	NOF 4 ≠
	λ ≠	γ 10°
DIN 6535HA	TiSiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■211 J	■236 J	■243 J	■180 J	■158 J	■140 I	■146 J	■117 I	■99 I	■86 I	■74 I	■122 J	■103 J	■108 J
M2.2	M3.1	M3.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2
■89 I	■100 I	■86 I	■208 J	■154 J	■116 J	■214 J	■174 J	■139 I	■189 J	■145 J	■117 I	■176 I	■132 I
K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	S1.2	S2.1	S3.1	S4.1				
■97 I	■83 I	■69 I	■199 I	■149 I	■116 I	■72 I	■56 I	■42 I	■33 I				

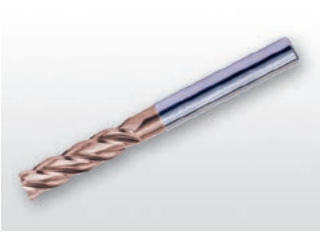
DCON MS公差h6; RE ±0.01 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7674.0XR0.3	4.00	0.30	6.00	11.00	57.0	4
S7674.0XR0.5	4.00	0.50	6.00	11.00	57.0	4
S7675.0XR0.3	5.00	0.30	6.00	13.00	57.0	4
S7675.0XR0.5	5.00	0.50	6.00	13.00	57.0	4
S7676.0XR0.3	6.00	0.30	6.00	13.00	57.0	4
S7676.0XR0.5	6.00	0.50	6.00	13.00	57.0	4
S7676.0XR1.0	6.00	1.00	6.00	13.00	57.0	4
S7678.0XR0.3	8.00	0.30	8.00	20.00	64.0	4
S7678.0XR0.5	8.00	0.50	8.00	20.00	64.0	4
S7678.0XR1.0	8.00	1.00	8.00	20.00	64.0	4
S76710.0XR0.3	10.00	0.30	10.00	22.00	72.0	4
S76710.0XR0.5	10.00	0.50	10.00	22.00	72.0	4
S76710.0XR1.0	10.00	1.00	10.00	22.00	72.0	4
S76712.0XR0.3	12.00	0.30	12.00	26.00	83.0	4
S76712.0XR0.5	12.00	0.50	12.00	26.00	83.0	4
S76712.0XR1.0	12.00	1.00	12.00	26.00	83.0	4
S76712.0XR2.0	12.00	2.00	12.00	26.00	83.0	4
S76716.0XR0.3	16.00	0.30	16.00	32.00	92.0	4
S76716.0XR0.5	16.00	0.50	16.00	32.00	92.0	4
S76716.0XR1.0	16.00	1.00	16.00	32.00	92.0	4
S76716.0XR2.0	16.00	2.00	16.00	32.00	92.0	4
S76720.0XR0.3	20.00	0.30	20.00	38.00	104.0	4
S76720.0XR0.5	20.00	0.50	20.00	38.00	104.0	4
S76720.0XR1.0	20.00	1.00	20.00	38.00	104.0	4
S76720.0XR2.0	20.00	2.00	20.00	38.00	104.0	4

NEW

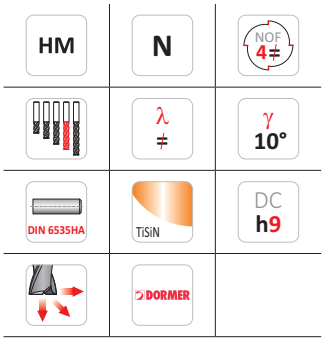
S768

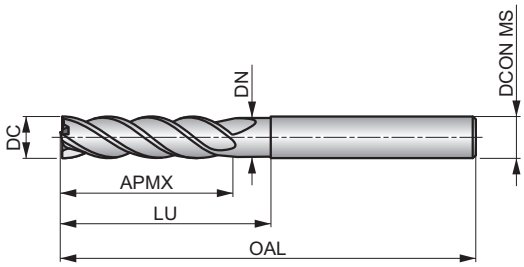
DORMER

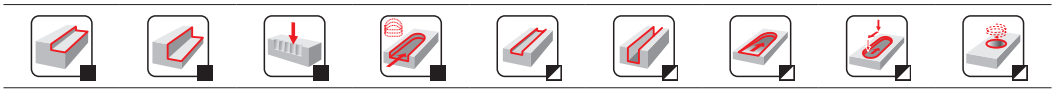


4-刃整硬合金立铣刀，长系列

长切削长度，4-刃设计，具有不等齿距，降低振动和提高表面光洁度，当铣削深壁在轮廓铣削。颈部避空避免与工作接触壁面并扩大加工范围。TiSiN涂层增加刀具寿命和提高性能。







工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■148 I	■165 I	■170 I	■126 I	■111 I	■98 G	■102 I	■82 G	■69 G	■60 G	■52 G	■85 I	■72 I	■76 I
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■62 I	■70 I	■60 I	■146 I	■108 I	■81 I	■150 I	■122 I	■97 G	■132 I	■102 I	■82 G	■123 G	■92 G
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■68 G	■58 I	■48 I	■139 G	■104 G	■81 G	■50 I	■39 G	■29 G	■23 G				

DCON MS公差h6; RE ±0.01 mm

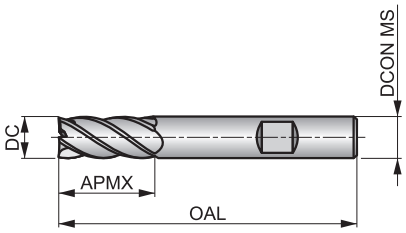
产品型号	DC	RE	DCON MS	APMX	OAL	NOF	LU	DN
	(mm)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
S7684.0	4.00	0.10	6.00	19.00	75.0	4	32.00	3.70
S7685.0	5.00	0.10	6.00	19.00	75.0	4	32.00	4.60
S7686.0	6.00	0.10	6.00	25.00	75.0	4	32.00	5.50
S7688.0	8.00	0.20	8.00	30.00	75.0	4	38.00	7.40
S76810.0	10.00	0.20	10.00	40.00	100.0	4	50.00	9.20
S76812.0	12.00	0.30	12.00	45.00	100.0	4	55.00	11.00
S76816.0	16.00	0.30	16.00	65.00	125.0	4	75.00	15.00
S76820.0	20.00	0.30	20.00	65.00	125.0	4	75.00	19.00

NEW

S770HB

5-刃整硬合金立铣刀

短切削长度，5-刃设计，具有不等齿距，有助于降低振动，特别是刀盘在使用动态铣削策略时。AlCrN涂层提高性能和延长刀具寿命。适合于摆线加工和方肩铣削，坡走铣和螺旋插补铣削。



HM	N	NOF 5
	λ ≠	γ 10°
DIN 6535HB	AlCrN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■211 I	■236 I	■243 I	■180 I	■158 I	■140 I	■146 I	■117 I	■99 I	■86 I	■74 I	■122 I	■103 I	■108 I
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■89 I	■100 I	■86 I	■208 I	■154 I	■116 I	■214 I	■174 I	■139 I	■189 I	■145 I	■117 I	■176 I	■132 I
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■97 I	■83 G	■69 G	■199 I	■149 I	■116 I	■72 I	■56 G	■42 G	■33 G				

DCON MS公差h6; RE ±0.01 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S770HB10.0	10.00	0.20	10.00	22.00	72.0	5
S770HB12.0	12.00	0.30	12.00	26.00	83.0	5
S770HB16.0	16.00	0.30	16.00	32.00	92.0	5
S770HB20.0	20.00	0.30	20.00	38.00	104.0	5

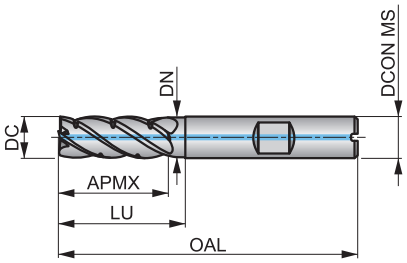
NEW

S771HB

DORMER

5-刃整硬合金立铣刀，分屑凹槽，带内冷

短切削长度，5-刃设计，具有缩颈和不等齿距，有助于降低振动，特别是在使用刀具在动态铣削策略。AlCrN涂层提高性能和延长刀具寿命。分屑凹槽和通过内冷改善了切屑的排出。



HM	FS	NOF 5
	λ ≠	γ 10°
DIN 6535HB	AlCrN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■222 J	■248 J	■255 J	■189 J	■166 J	■147 I	■153 J	■123 I	■104 I	■90 I	■78 I	■128 I	■108 I	■113 I
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■93 I	■105 I	■90 I	■218 J	■162 J	■122 J	■225 J	■183 J	■146 I	■198 J	■152 I	■123 I	■185 I	■139 I
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■102 I	■87 I	■72 I	■209 I	■156 I	■122 I	■76 I	■59 I	■44 G	■35 G				

DCON MS公差h6; RE ±0.01 mm

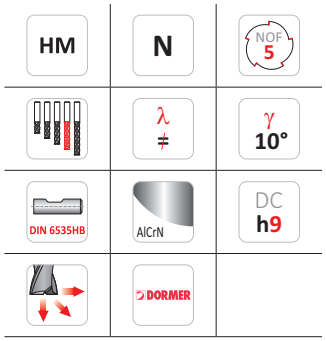
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S771HB10.0	10.00	0.20	10.00	25.00	72.0	5	30.00	9.70
S771HB12.0	12.00	0.20	12.00	30.00	83.0	5	38.00	11.70
S771HB16.0	16.00	0.30	16.00	39.00	92.0	5	44.00	15.70
S771HB20.0	20.00	0.30	20.00	48.00	104.0	5	54.00	19.70

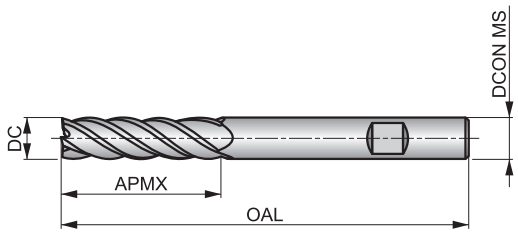
NEW

S772HB

5-刃整硬合金立铣刀，长系列

长切削长度，5-刃设计，具有不等齿距，有助于降低振动，特别是刀盘在使用动态铣削策略时。AlCrN涂层提高性能和延长刀具寿命。适合于摆线加工和方肩铣削，坡走铣和螺旋插补铣削。





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■148 G	■165 G	■170 G	■126 G	■111 G	■98 F	■102 G	■82 F	■69 F	■60 F	■52 F	■85 G	■72 G	■76 G
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■62 G	■70 G	■60 G	■146 G	■108 G	■81 G	■150 G	■122 G	■97 F	■132 G	■102 G	■82 F	■123 F	■92 F
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■68 F	■58 G	■48 G	■139 F	■104 F	■81 F	■50 F	■39 F	■29 F	■23 F				

DCON MS公差h6; RE ±0.01 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S772HB10.0	10.00	0.20	10.00	38.00	100.0	5
S772HB12.0	12.00	0.30	12.00	45.00	100.0	5
S772HB16.0	16.00	0.30	16.00	55.00	125.0	5
S772HB20.0	20.00	0.30	20.00	65.00	125.0	5

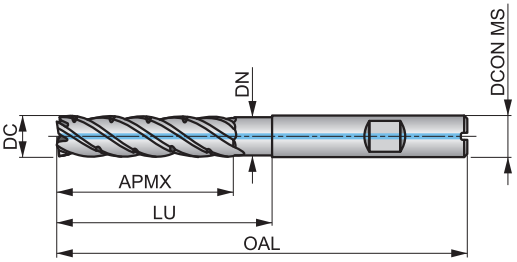
NEW

S773HB

DORMER

5-刃整硬合金立铣刀，分屑凹槽，带内冷，长系列

长切削长度，5-刃设计，具有缩颈和不等齿距，有助于降低振动，特别是在使用刀具在动态铣削策略。AlCrN涂层提高性能和延长刀具寿命。分屑凹槽和通过内冷改善了切屑的排出。



HM	FS	NOF 5
	λ ≠	γ 10°
DIN 6535HB	AlCrN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■155 G	■173 G	■179 G	■132 G	■117 G	■103 F	■107 G	■86 F	■72 F	■63 F	■55 F	■89 F	■76 F	■80 F
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■65 F	■74 F	■63 F	■153 G	■113 G	■85 G	■158 G	■128 G	■102 F	■139 G	■107 G	■86 F	■129 F	■97 F
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**S1.2**	**S2.1**	**S3.1**	**S4.1**				
■71 F	■61 F	■50 F	■146 F	■109 F	■85 F	■53 F	■41 F	■30 F	■24 F				

DCON MS公差h6; RE ±0.01 mm

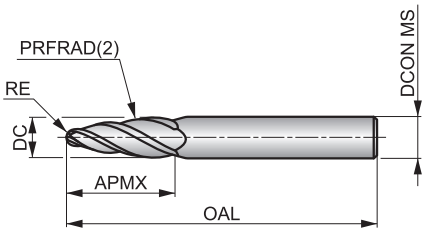
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S773HB10.0	10.00	0.20	10.00	42.00	100.0	5	52.00	9.70
S773HB12.0	12.00	0.20	12.00	42.00	100.0	5	54.00	11.70
S773HB16.0	16.00	0.30	16.00	60.00	125.0	5	68.00	15.70
S773HB20.0	20.00	0.30	20.00	67.00	125.0	5	75.00	19.70

NEW

S791

3-4 刃整硬合金锥鼓球头铣刀

中等切削长度，3或4刃设计，具有大切削半径和球鼻，可增加与工件的接触，从而减少循环时间并改善陡壁的表面光洁度。AlCrN涂层提高性能和延长刀具寿命。用于半精加工和精加工应用。



HM	N	NOF 3-4
	λ 30°	γ 8°
DIN 6535HA	AlCrN	
DORMER		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■161 F	■181 F	■186 F	■138 F	■121 F	■108 E	■112 F	■90 E	■76 E	■66 E	■57 E	◪46 E	■94 F	■79 F
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■83 F	■69 E	◪77 E	◪66 E	◪59 E	◪58 E	■161 F	■119 F	■89 F	■165 F	■134 F	■107 E	■146 F	■112 F
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■90 E	■136 E	■102 E	■75 E	■64 E	■54 E	■154 E	■115 E	■89 E	◪355 I	◪267 I	◪179 I	◪179 F	◪160 F
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**			
◪115 F	■187 F	■109 F	◪56 F	◪187 F	◪72 F	◪58 E	◪56 E	◪43 E	◪33 E	◪26 E			

DCON MS公差h6; RE ±0.01 mm; PRFRAD(2) ±0.01 mm

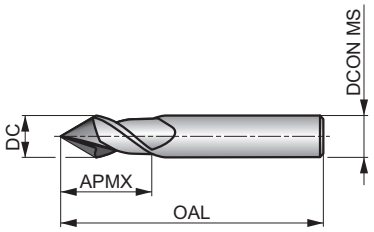
产品型号	DC (mm)	RE (mm)	PRFRAD(2) (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7916.0	6.00	1.00	95.0	6.00	22.00	67.0	3
S7918.0	8.00	1.00	90.0	8.00	25.00	75.0	3
S79110.0	10.00	2.00	85.0	10.00	26.00	75.0	4
S79112.0	12.00	2.00	80.0	12.00	28.00	83.0	4
S79116.0	16.00	3.00	75.0	16.00	31.00	90.0	4

S739

DORMER

2-刃整硬合金倒角立铣刀，60°

短切削长度，2-刃设计提供了高刚性和降低振动。60°钻尖设计用于数控机床上的倒角铣削。AIT在涂层增加刀具寿命和提高性能。



HM	N	NOF 2
	λ 40°	γ 10°
DIN 6535HA	AlTiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■199 K	■223 K	■230 K	■170 K	■150 K	■133 J	■138 K	■111 J	■94 J	■82 J	■70 J	■115 K	■97 K	■102 K
M2.2	M3.1	M3.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2
■84 J	■94 J	■81 J	■196 K	■145 K	■109 K	■202 K	■164 K	■131 J	■178 K	■136 K	■110 J	■165 J	■125 J
K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2
■91 J	■78 J	■65 J	■187 J	■141 J	■109 J	◪355 N	■267 N	■179 N	■179 K	■160 K	■115 K	■187 K	■109 K
N3.3	S1.2	S2.1	S3.1	S4.1									
◪56 K	■69 J	■53 J	■40 J	■31 J									

DCON MS公差h6

产品型号	KAPR	DC	DCON MS	APMX	OAL	NOF
	(°)	(mm)	(mm)	(mm)	(mm)	
S7393.0	60	3.00	3.00	9.00	40.0	2
S7394.0	60	4.00	4.00	12.00	50.0	2
S7395.0	60	5.00	5.00	15.00	50.0	2
S7396.0	60	6.00	6.00	16.00	50.0	2
S7398.0	60	8.00	8.00	20.00	64.0	2
S73910.0	60	10.00	10.00	22.00	70.0	2
S73912.0	60	12.00	12.00	25.00	75.0	2
S73916.0	60	16.00	16.00	32.00	90.0	2
S73920.0	60	20.00	20.00	38.00	100.0	2

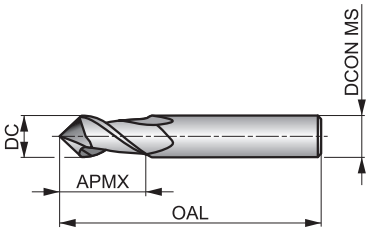
S740

DORMER

2-刃整硬合金倒角立铣刀，90°

短切削长度，2-刃设计提供了高刚性和降低振动。90°钻尖设计用于数控机床上的倒角铣削。AIT在涂层增加刀具寿命和提高性能。

HM	N	NOF 2
	λ 40°	γ 10°
DIN 6535HA	AlTiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■199 K	■223 K	■230 K	■170 K	■150 K	■133 J	■138 K	■111 J	■94 J	■82 J	■70 J	■115 K	■97 K	■102 K
M2.2	**M3.1**	**M3.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**
■84 J	■94 J	■81 J	■196 K	■145 K	■109 K	■202 K	■164 K	■131 J	■178 K	■136 K	■110 J	■165 J	■125 J
K4.3	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**
■91 J	■78 J	■65 J	■187 J	■141 J	■109 J	◪355 N	■267 N	■179 N	■179 K	■160 K	■115 K	■187 K	■109 K
N3.3	**S1.2**	**S2.1**	**S3.1**	**S4.1**									
◪56 K	■69 J	■53 J	■40 J	■31 J									

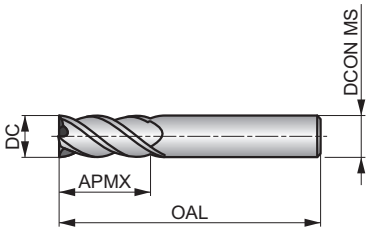
DCON MS公差h6

产品型号	KAPR (°)	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S7403.0	90	3.00	3.00	9.00	40.0	2
S7404.0	90	4.00	4.00	12.00	50.0	2
S7405.0	90	5.00	5.00	15.00	50.0	2
S7406.0	90	6.00	6.00	16.00	50.0	2
S7408.0	90	8.00	8.00	20.00	64.0	2
S74010.0	90	10.00	10.00	22.00	70.0	2
S74012.0	90	12.00	12.00	25.00	75.0	2
S74016.0	90	16.00	16.00	32.00	90.0	2
S74020.0	90	20.00	20.00	38.00	100.0	2

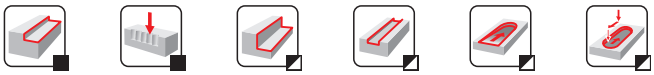
S216

4-刃整硬合金立铣刀

短切削长度，4-刃设计提供了高刚性，适用于标准轮廓铣削。AlT在涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。40°螺旋槽是为高性能加工而设计。



HM	N	NOF 4
	λ 40°	γ 3°
DIN 6535HA	AlTiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■80 J	■80 J	■82 I	■80 I	■68 I	■58 I	■47 I	■33 I	■27 I

DCON MS公差h6

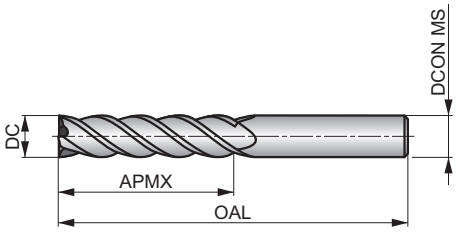
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S2162.0	2.00	4.00	6.50	40.0	4
S2163.0XD3	3.00	3.00	9.00	40.0	4
S2163.0XD6	3.00	6.00	9.00	50.0	4
S2164.0XD4	4.00	4.00	12.00	50.0	4
S2164.0XD6	4.00	6.00	12.00	50.0	4
S2165.0	5.00	5.00	15.00	50.0	4
S2166.0	6.00	6.00	16.00	50.0	4
S2168.0	8.00	8.00	20.00	64.0	4
S21610.0	10.00	10.00	22.00	70.0	4
S21612.0	12.00	12.00	25.00	75.0	4
S21614.0	14.00	14.00	32.00	90.0	4
S21616.0	16.00	16.00	32.00	90.0	4
S21618.0	18.00	18.00	38.00	100.0	4
S21620.0	20.00	20.00	38.00	100.0	4

S217

DORMER

4-刃整硬合金立铣刀，长系列

长切削长度，4-刃设计提供了高刚性，用于深壁轮廓铣削。AIT在涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。40°螺旋槽是为高性能加工而设计。



HM	N	NOF 4
	λ 40°	γ 3°
DIN 6535HA	AlTiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■64 J	■64 J	■65 I	■64 I	■54 I	■46 I	■38 I	■26 I	■22 I

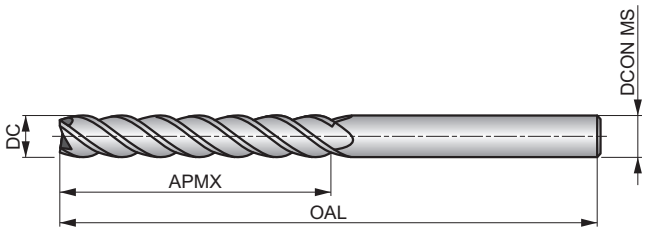
DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S2173.0XD3	3.00	3.00	19.00	60.0	4
S2173.0XD6	3.00	6.00	19.00	75.0	4
S2174.0XD4	4.00	4.00	19.00	60.0	4
S2174.0XD6	4.00	6.00	19.00	75.0	4
S2175.0	5.00	5.00	19.00	60.0	4
S2176.0	6.00	6.00	31.00	75.0	4
S2178.0	8.00	8.00	31.00	75.0	4
S21710.0	10.00	10.00	31.00	75.0	4
S21712.0	12.00	12.00	50.00	100.0	4
S21714.0	14.00	14.00	57.00	125.0	4
S21716.0	16.00	16.00	57.00	125.0	4
S21718.0	18.00	18.00	57.00	125.0	4
S21720.0	20.00	20.00	57.00	125.0	4

S218

4-刃整硬合金立铣刀，超长系列

超长切削长度，4-刃设计提供了高刚性，用于精加工超深壁面。AIT在涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。40°螺旋槽是为高性能加工而设计。



HM	N	NOF 4
	λ 40°	γ 3°
DIN 6535HA	AlTiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■40 J	■40 J	■41 I	■40 I	■34 I	■29 I	■24 I	■17 I	■14 I

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S2183.0	3.00	3.00	25.00	100.0	4
S2184.0	4.00	4.00	31.00	100.0	4
S2185.0	5.00	5.00	31.00	100.0	4
S2186.0	6.00	6.00	38.00	100.0	4
S2188.0	8.00	8.00	41.00	100.0	4
S21810.0	10.00	10.00	57.00	125.0	4
S21812.0	12.00	12.00	75.00	150.0	4
S21814.0	14.00	14.00	75.00	150.0	4
S21816.0	16.00	16.00	75.00	150.0	4
S21818.0	18.00	18.00	75.00	150.0	4
S21820.0	20.00	20.00	75.00	150.0	4

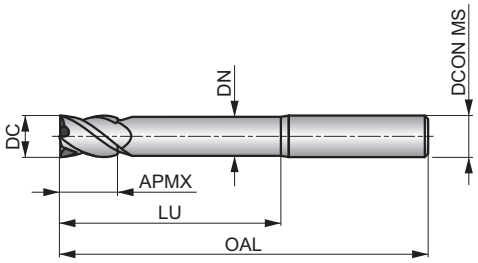
S219

DORMER

4-刃整硬合金立铣刀，长悬伸

超短切削长度，4-刃设计提供了高刚性，用来在深壁中难以到达的区域进行铣削和仿形。颈部避空避免与工作接触壁面并扩大加工范围。AlT在涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。40°螺旋槽是为高性能加工而设计。

HM	N	NOF 4
	λ 40°	γ 3°
DIN 6535HA	AlTiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■64 J	■64 J	■65 I	■64 I	■54 I	■46 I	■38 I	■26 I	■22 I

DCON MS公差h6

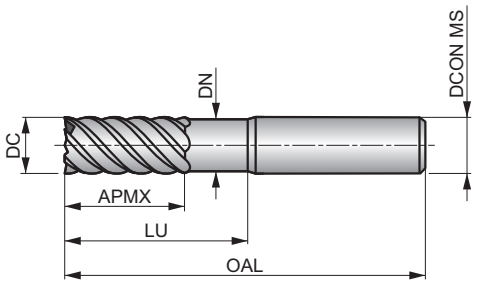
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S2193.0	3.00	3.00	5.00	60.0	4	30.00	2.80
S2194.0	4.00	4.00	8.00	60.0	4	32.00	3.70
S2195.0	5.00	5.00	9.00	60.0	4	32.00	4.60
S2196.0	6.00	6.00	10.00	75.0	4	40.00	5.50
S2198.0	8.00	8.00	12.00	75.0	4	40.00	7.40
S21910.0	10.00	10.00	14.00	75.0	4	40.00	9.20
S21912.0	12.00	12.00	16.00	100.0	4	60.00	11.00
S21914.0	14.00	14.00	22.00	125.0	4	85.00	13.00
S21916.0	16.00	16.00	22.00	125.0	4	85.00	15.00
S21918.0	18.00	18.00	26.00	125.0	4	85.00	17.00
S21920.0	20.00	20.00	26.00	125.0	4	85.00	19.00

S225

DORMER

多-刃整硬合金精加工立铣刀

短切削长度，6或8刃设计提供了高刚性，适用于深壁的轮廓精加工。颈部避空避免与工作接触壁面并扩大加工范围。AlT在涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。50°螺旋槽是专为高表面光洁度质量而设计。



HM	N	NOF 6-8
	λ 50°	γ 3°
DIN 6535HA	AlTiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■80 G	■80 G	■82 F	■80 F	■68 F	■58 F	■47 F	■33 F	■27 F

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S2253.0	3.00	6.00	8.00	50.0	6	20.00	2.80
S2254.0	4.00	6.00	11.00	50.0	6	20.00	3.70
S2256.0	6.00	6.00	15.00	50.0	6	20.00	5.50
S2258.0	8.00	8.00	20.00	64.0	6	30.00	7.40
S22510.0	10.00	10.00	22.00	70.0	6	32.00	9.20
S22512.0	12.00	12.00	25.00	75.0	6	37.00	11.00
S22514.0	14.00	14.00	30.00	90.0	6	44.00	13.00
S22516.0	16.00	16.00	30.00	90.0	8	46.00	15.00
S22518.0	18.00	18.00	35.00	100.0	8	53.00	17.00
S22520.0	20.00	20.00	38.00	100.0	8	58.00	19.00

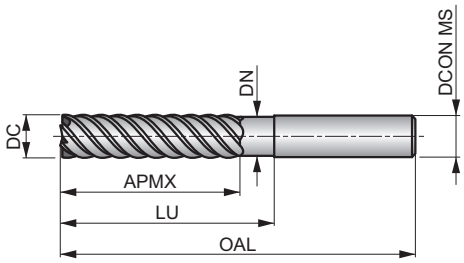
S226

DORMER

多-刃整硬合金精加工立铣刀，长系列

长切削长度，6或8刃设计，为精加工深壁提供了高刚性。颈部避空避免与工作接触壁面并扩大加工范围。AIT在涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。50°螺旋槽是专为高表面光洁度质量而设计。

HM	N	NOF 6-8
	λ 50°	γ 3°
DIN 6535HA	AlTiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■64 G	■64 G	■65 F	■64 F	■54 F	■46 F	■38 F	■26 F	■22 F

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S2263.0	3.00	6.00	19.00	75.0	6	30.00	2.80
S2264.0	4.00	6.00	19.00	75.0	6	32.00	3.70
S2266.0	6.00	6.00	31.00	75.0	6	40.00	5.50
S2268.0	8.00	8.00	31.00	75.0	6	40.00	7.40
S22610.0	10.00	10.00	45.00	100.0	6	60.00	9.20
S22612.0	12.00	12.00	50.00	100.0	6	60.00	11.00
S22614.0	14.00	14.00	57.00	125.0	6	85.00	13.00
S22616.0	16.00	16.00	57.00	125.0	8	85.00	15.00
S22618.0	18.00	18.00	57.00	125.0	8	85.00	17.00
S22620.0	20.00	20.00	57.00	125.0	8	85.00	19.00

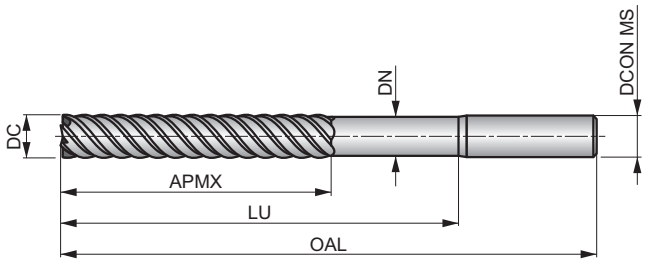
S227

DORMER

多-刃整硬合金精加工立铣刀，超长系列

超长切削长度，6或8刃设计提供了高刚性，用于精加工超深壁面。颈部避空避免与工作接触壁面并扩大加工范围。AlT在涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。50°螺旋槽是专为高表面光洁度质量而设计。

HM	N	NOF 6-8
	λ 50°	γ 3°
DIN 6535HA	AlTiN	DC h9
	DORMER	



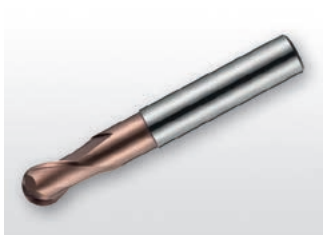
工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■40 G	■40 G	■41 F	■40 F	■34 F	■29 F	■24 F	■17 F	■14 F

DCON MS公差h6

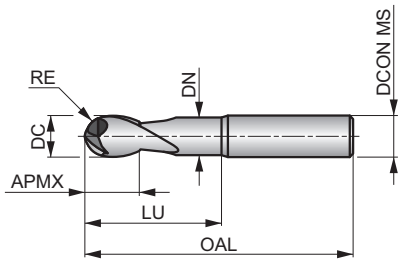
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S2276.0	6.00	6.00	38.00	100.0	6	60.00	5.50
S2278.0	8.00	8.00	41.00	100.0	6	60.00	7.40
S22710.0	10.00	10.00	57.00	125.0	6	85.00	9.20
S22712.0	12.00	12.00	75.00	150.0	6	110.00	11.00
S22714.0	14.00	14.00	75.00	150.0	6	110.00	13.00
S22716.0	16.00	16.00	75.00	150.0	8	110.00	15.00
S22718.0	18.00	18.00	75.00	150.0	8	110.00	17.00
S22720.0	20.00	20.00	75.00	150.0	8	110.00	19.00

S229



2-刃整硬合金球头立铣刀

超短切削长度，2-刃设计，具有缩颈降低振动和提供高刚性。球头槽型设计用于复杂表面的高性能轮廓。TiSiN涂层增加延长刀盘的使用寿命，和提高性能，尤其在铣削难加工材料时。



HM	N	NOF 2
	λ 30°	γ 3°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■80 F	■80 F	■82 F	■80 F	■68 F	■58 F	■47 F	■33 F	■27 F

DCON MS公差h6; RE +0/-0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S2291.5XD4	1.50	0.75	4.00	3.00	50.0	2	6.00	1.40
S2292.0XD3	2.00	1.00	3.00	4.00	50.0	2	8.00	1.90
S2292.0XD4	2.00	1.00	4.00	4.00	50.0	2	8.00	1.90
S2293.0XD3	3.00	1.50	3.00	5.00	50.0	2	14.00	2.80
S2293.0XD6	3.00	1.50	6.00	5.00	50.0	2	14.00	2.80
S2294.0XD4	4.00	2.00	4.00	8.00	50.0	2	20.00	3.70
S2294.0XD6	4.00	2.00	6.00	8.00	50.0	2	20.00	3.70
S2295.0XD5	5.00	2.50	5.00	9.00	50.0	2	20.00	4.60
S2295.0XD6	5.00	2.50	6.00	9.00	50.0	2	20.00	4.60
S2296.0	6.00	3.00	6.00	10.00	50.0	2	20.00	5.50
S2298.0	8.00	4.00	8.00	12.00	64.0	2	30.00	7.40
S22910.0	10.00	5.00	10.00	14.00	70.0	2	32.00	9.20
S22912.0	12.00	6.00	12.00	16.00	75.0	2	38.00	11.00
S22914.0	14.00	7.00	14.00	32.00	90.0	2	44.00	13.00
S22916.0	16.00	8.00	16.00	32.00	90.0	2	46.00	15.00

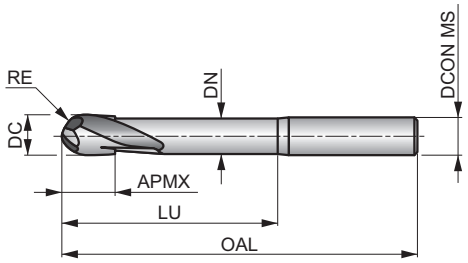
S231

DORMER

2-刃整硬合金球头立铣刀，长悬伸

超短切削长度，长悬伸，2-刃设计，具有缩颈提供了高刚性和降低振动。球头槽型设计用于复杂表面的高性能轮廓。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。

HM	N	NOF 2
	λ 30°	γ 3°
DIN 6535HA	TiSiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
64 F	64 F	65 F	64 F	54 F	46 F	38 F	26 F	22 F

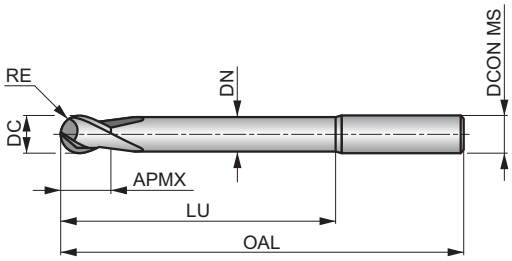
DCON MS公差h6; RE +0/-0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S2311.5XD4	1.50	0.75	4.00	3.00	75.0	2	10.00	1.40
S2312.0XD3	2.00	1.00	3.00	4.00	60.0	2	14.00	1.90
S2312.0XD4	2.00	1.00	4.00	4.00	75.0	2	14.00	1.90
S2313.0XD3	3.00	1.50	3.00	5.00	60.0	2	21.00	2.80
S2313.0XD6	3.00	1.50	6.00	5.00	75.0	2	21.00	2.80
S2314.0XD4	4.00	2.00	4.00	8.00	60.0	2	28.00	3.70
S2314.0XD6	4.00	2.00	6.00	8.00	75.0	2	28.00	3.70
S2315.0	5.00	2.50	5.00	9.00	60.0	2	32.00	4.60
S2316.0	6.00	3.00	6.00	10.00	75.0	2	40.00	5.50
S2318.0	8.00	4.00	8.00	10.00	75.0	2	40.00	7.40
S23110.0	10.00	5.00	10.00	12.00	75.0	2	40.00	9.20
S23112.0	12.00	6.00	12.00	16.00	100.0	2	60.00	11.00
S23116.0	16.00	8.00	16.00	32.00	125.0	2	80.00	15.00

S233

2-刃整硬合金球头立铣刀，超长悬伸

超短切削长度，超长悬伸，2-刃设计，具有缩颈提供了高刚性和降低振动。球头槽型设计用于复杂表面的高性能轮廓。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削难加工材料时。



HM	N	NOF 2
	λ 30°	γ 3°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2
■40 F	■40 F	■41 F	■40 F	■34 F	■29 F	■24 F	■17 F	■14 F

DCON MS公差h6; RE +0/-0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S2332.0XD3	2.00	1.00	3.00	4.00	100.0	2	20.00	1.90
S2332.0XD4	2.00	1.00	4.00	4.00	100.0	2	20.00	1.90
S2333.0XD3	3.00	1.50	3.00	5.00	100.0	2	30.00	2.80
S2333.0XD6	3.00	1.50	6.00	5.00	100.0	2	30.00	2.80
S2334.0XD4	4.00	2.00	4.00	8.00	100.0	2	40.00	3.70
S2334.0XD6	4.00	2.00	6.00	8.00	100.0	2	40.00	3.70
S2335.0	5.00	2.50	5.00	9.00	100.0	2	50.00	4.60
S2336.0	6.00	3.00	6.00	10.00	100.0	2	60.00	5.50
S2338.0	8.00	4.00	8.00	12.00	100.0	2	60.00	7.40
S23310.0	10.00	5.00	10.00	14.00	125.0	2	85.00	9.20
S23312.0	12.00	6.00	12.00	16.00	125.0	2	85.00	11.00
S23314.0	14.00	7.00	14.00	32.00	150.0	2	110.00	13.00
S23316.0	16.00	8.00	16.00	32.00	150.0	2	110.00	15.00

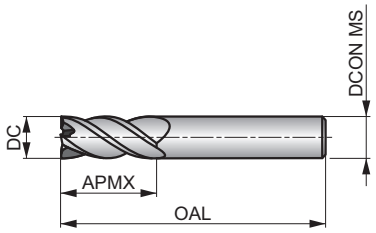
S260

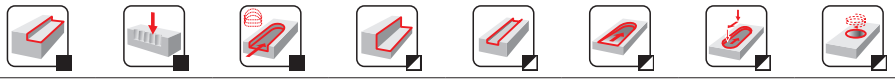
DORMER

4-刃整硬合金立铣刀

短切削长度，4-刃设计提供了高刚性，适用于标准轮廓铣削。AlCrN涂层提高性能和延长刀具寿命，尤其在铣削难加工材料时。40°螺旋槽，具有不等齿距，降低了振动，最大化生产率，刀具寿命。

HM	N	NOF 4≠
	λ 40°	γ 4°
DIN 6535HA	AlCrN	DC h9
	DORMER	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2	H1.1	H2.1	H3.1	H3.2
97 J	97 J	99 I	97 I	83 I	70 I	56 I	40 I	32 I	179 I	106 G	118 G	97 G

DCON MS公差h6

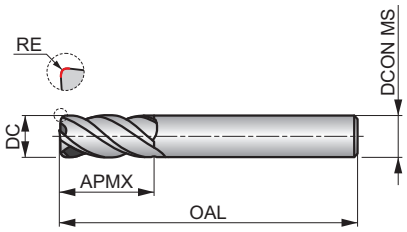
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S2603.0	3.00	6.00	9.00	57.0	4
S2604.0	4.00	6.00	12.00	57.0	4
S2605.0	5.00	6.00	13.00	57.0	4
S2606.0	6.00	6.00	13.00	57.0	4
S2608.0	8.00	8.00	20.00	64.0	4
S26010.0	10.00	10.00	22.00	72.0	4
S26012.0	12.00	12.00	26.00	83.0	4
S26014.0	14.00	14.00	32.00	83.0	4
S26016.0	16.00	16.00	32.00	92.0	4
S26018.0	18.00	18.00	38.00	92.0	4
S26020.0	20.00	20.00	38.00	104.0	4

S262

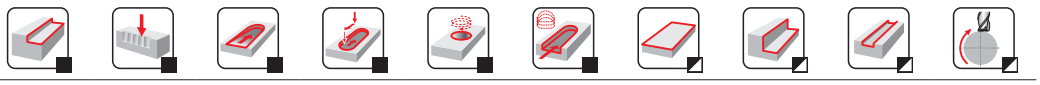
DORMER

4-刃整硬合金圆角立铣刀

短切削长度，4-刃设计，具有提供不同圆角尺寸，提供了高刚性用于标准轮廓铣削时，圆角是必需的。AlCrN涂层提高性能，尤其在铣削难加工材料时。40°螺旋槽，具有不等齿距，降低了振动和最大化生产率。



HM	N	NOF 4 ≠
	λ 40°	γ 4°
DIN 6535HA	AlCrN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2	H1.1	H2.1	H3.1	H3.2
■97 J	■97 J	■99 I	■97 I	■83 I	■70 I	■56 I	■40 I	■32 I	■179 I	■106 G	■118 G	■97 G

DCON MS公差h6; RE ±0.01 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S2623.0XR0.3	3.00	0.30	6.00	9.00	50.0	4
S2623.0XR0.5	3.00	0.50	6.00	9.00	50.0	4
S2624.0XR0.3	4.00	0.30	6.00	12.00	57.0	4
S2624.0XR0.5	4.00	0.50	6.00	12.00	57.0	4
S2624.0XR1.0	4.00	1.00	6.00	12.00	57.0	4
S2625.0XR0.3	5.00	0.30	6.00	15.00	57.0	4
S2625.0XR0.5	5.00	0.50	6.00	15.00	57.0	4
S2626.0XR0.3	6.00	0.30	6.00	16.00	57.0	4
S2626.0XR0.5	6.00	0.50	6.00	16.00	57.0	4
S2626.0XR1.0	6.00	1.00	6.00	16.00	57.0	4
S2628.0XR0.3	8.00	0.30	8.00	20.00	64.0	4
S2628.0XR0.5	8.00	0.50	8.00	20.00	64.0	4
S2628.0XR1.0	8.00	1.00	8.00	20.00	64.0	4
S2628.0XR1.5	8.00	1.50	8.00	20.00	64.0	4
S2628.0XR2.0	8.00	2.00	8.00	20.00	64.0	4
S26210.0XR0.3	10.00	0.30	10.00	22.00	72.0	4
S26210.0XR0.5	10.00	0.50	10.00	22.00	72.0	4
S26210.0XR1.0	10.00	1.00	10.00	22.00	72.0	4
S26210.0XR1.5	10.00	1.50	10.00	22.00	72.0	4
S26210.0XR2.0	10.00	2.00	10.00	22.00	72.0	4
S26212.0XR0.3	12.00	0.30	12.00	26.00	83.0	4
S26212.0XR0.5	12.00	0.50	12.00	26.00	83.0	4
S26212.0XR1.0	12.00	1.00	12.00	26.00	83.0	4
S26212.0XR2.0	12.00	2.00	12.00	26.00	83.0	4
S26212.0XR2.5	12.00	2.50	12.00	26.00	83.0	4
S26212.0XR3.0	12.00	3.00	12.00	26.00	83.0	4
S26214.0XR0.3	14.00	0.30	14.00	32.00	83.0	4
S26214.0XR0.5	14.00	0.50	14.00	32.00	83.0	4
S26214.0XR1.0	14.00	1.00	14.00	32.00	83.0	4
S26214.0XR2.0	14.00	2.00	14.00	32.00	83.0	4
S26214.0XR3.0	14.00	3.00	14.00	32.00	83.0	4

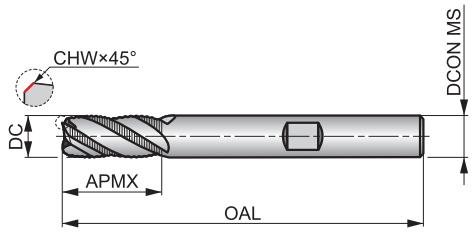
产品型号	DC	RE	DCON MS	APMX	OAL	NOF
	(mm)	(mm)	(mm)	(mm)	(mm)	
S26216.0XR0.3	16.00	0.30	16.00	32.00	92.0	4
S26216.0XR0.5	16.00	0.50	16.00	32.00	92.0	4
S26216.0XR1.0	16.00	1.00	16.00	32.00	92.0	4
S26216.0XR2.0	16.00	2.00	16.00	32.00	92.0	4
S26216.0XR2.5	16.00	2.50	16.00	32.00	92.0	4
S26216.0XR3.0	16.00	3.00	16.00	32.00	92.0	4
S26216.0XR4.0	16.00	4.00	16.00	32.00	92.0	4
S26218.0XR0.3	18.00	0.30	18.00	38.00	92.0	4
S26218.0XR0.5	18.00	0.50	18.00	38.00	92.0	4
S26218.0XR1.0	18.00	1.00	18.00	38.00	92.0	4
S26218.0XR2.0	18.00	2.00	18.00	38.00	92.0	4
S26218.0XR3.0	18.00	3.00	18.00	38.00	92.0	4
S26220.0XR0.3	20.00	0.30	20.00	38.00	104.0	4
S26220.0XR0.5	20.00	0.50	20.00	38.00	104.0	4
S26220.0XR1.0	20.00	1.00	20.00	38.00	104.0	4
S26220.0XR2.0	20.00	2.00	20.00	38.00	104.0	4
S26220.0XR2.5	20.00	2.50	20.00	38.00	104.0	4
S26220.0XR3.0	20.00	3.00	20.00	38.00	104.0	4
S26220.0XR4.0	20.00	4.00	20.00	38.00	104.0	4

S264

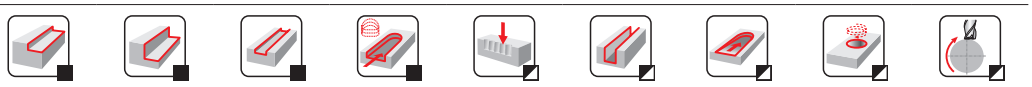
DORMER

4-刃整硬合金粗加工立铣刀

短切削长度，4-刃设计，具有HRA细波形刃不对称断屑槽，可破损切屑，用于高效率粗加工应用。AlCrN涂层提高性能和和延长刀具寿命，尤其在铣削难加工材料时。40°螺旋槽，具有不等齿距，降低了振动，最大化生产率，刀具寿命。



HM	HRA	NOF 4 ≠
	λ 40°	γ 4°
DIN 6535HB	AlCrN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P4.3	M2.3	M3.3	M4.1	M4.2	S1.3	S2.2	S3.2	S4.2	H1.1	H2.1	H3.1	H3.2
■97 J	■97 J	■99 I	■97 I	■83 I	■70 I	■56 I	■40 I	■32 I	■179 I	■106 G	■118 G	■97 G

DCON MS公差h6; CHW ±0.02×45° mm

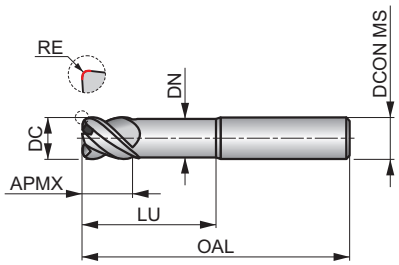
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S2646.0	6.00	0.10	6.00	13.00	57.0	4
S2648.0	8.00	0.20	8.00	20.00	64.0	4
S26410.0	10.00	0.20	10.00	22.00	72.0	4
S26412.0	12.00	0.20	12.00	26.00	83.0	4
S26414.0	14.00	0.30	14.00	26.00	83.0	4
S26416.0	16.00	0.30	16.00	32.00	92.0	4
S26418.0	18.00	0.30	18.00	32.00	92.0	4
S26420.0	20.00	0.40	20.00	38.00	104.0	4

S521

DORMER

4-刃整硬合金圆角立铣刀

超短切削长度，4-刃设计，具有提供不同圆角尺寸，缩颈提供了高刚性用于轮廓铣削时，圆角是必需的。TiSiN涂层提高性能和45°螺旋槽，是为高性能加工而设计的，尤其在铣削高达63HRC的硬化材料时。



HM	N	NOF 4
	λ 45°	γ -10°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
119 I	70 G	60 E	78 G	64 G	50 E	42 B

DCON MS公差h6; RE ±0.01 mm

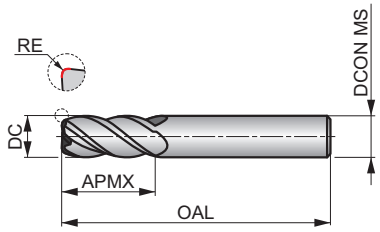
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5213.0XR0.3	3.00	0.30	6.00	4.00	60.0	4	14.00	2.80
S5214.0XR0.3	4.00	0.30	6.00	5.00	60.0	4	16.00	3.70
S5214.0XR0.5	4.00	0.50	6.00	5.00	60.0	4	16.00	3.70
S5215.0XR0.3	5.00	0.30	6.00	6.00	60.0	4	18.00	4.60
S5215.0XR0.5	5.00	0.50	6.00	6.00	60.0	4	18.00	4.60
S5216.0XR0.5	6.00	0.50	6.00	7.00	60.0	4	20.00	5.50
S5216.0XR1.0	6.00	1.00	6.00	7.00	60.0	4	20.00	5.50
S5218.0XR0.5	8.00	0.50	8.00	9.00	64.0	4	26.00	7.40
S5218.0XR1.0	8.00	1.00	8.00	9.00	64.0	4	26.00	7.40
S52110.0XR1.0	10.00	1.00	10.00	11.00	70.0	4	31.00	9.20
S52110.0XR2.0	10.00	2.00	10.00	11.00	70.0	4	31.00	9.20
S52112.0XR1.0	12.00	1.00	12.00	13.00	75.0	4	37.00	11.00
S52112.0XR2.0	12.00	2.00	12.00	13.00	75.0	4	37.00	11.00
S52116.0XR1.0	16.00	1.00	16.00	17.00	90.0	4	43.00	15.00
S52116.0XR2.0	16.00	2.00	16.00	17.00	90.0	4	43.00	15.00
S52116.0XR3.0	16.00	3.00	16.00	17.00	90.0	4	43.00	15.00

S523

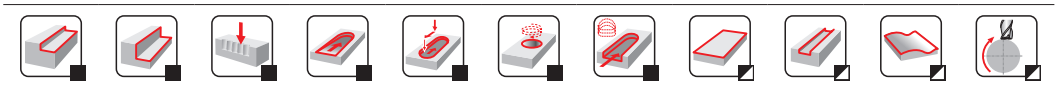
DORMER

4-刃整硬合金圆角立铣刀

短切削长度，4-刃设计，具有提供不同圆角尺寸，提供了高刚性，适用于标准轮廓铣削，当需要圆角的地方。TiSiN涂层提高性能和40°螺旋槽是为高性能加工而设计的，尤其在铣削高达63HRC的硬化材料时。



HM	N	NOF 4
	λ 40°	γ -6°
DIN 6535HA	TiSiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
119 I	70 G	60 E	78 G	64 G	50 E	42 B

DCON MS公差h6; RE ±0.01 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S5231.5XR0.2	1.50	0.20	6.00	4.50	50.0	4
S5232.0XR0.2	2.00	0.20	6.00	6.50	50.0	4
S5233.0XR0.2XD3	3.00	0.20	3.00	9.00	50.0	4
S5233.0XR0.3XD3	3.00	0.30	3.00	9.00	50.0	4
S5233.0XR0.2XD6	3.00	0.20	6.00	9.00	50.0	4
S5233.0XR0.3XD6	3.00	0.30	6.00	9.00	50.0	4
S5233.0XR0.5XD6	3.00	0.50	6.00	9.00	50.0	4
S5234.0XR0.3XD4	4.00	0.30	4.00	12.00	50.0	4
S5234.0XR0.5XD4	4.00	0.50	4.00	12.00	50.0	4
S5234.0XR0.3XD6	4.00	0.30	6.00	12.00	50.0	4
S5234.0XR0.5XD6	4.00	0.50	6.00	12.00	50.0	4
S5235.0XR0.3XD5	5.00	0.30	5.00	15.00	50.0	4
S5235.0XR0.5XD5	5.00	0.50	5.00	15.00	50.0	4
S5235.0XR0.3XD6	5.00	0.30	6.00	15.00	50.0	4
S5235.0XR0.5XD6	5.00	0.50	6.00	15.00	50.0	4
S5236.0XR0.3	6.00	0.30	6.00	16.00	50.0	4
S5236.0XR0.5	6.00	0.50	6.00	16.00	50.0	4
S5236.0XR1.0	6.00	1.00	6.00	16.00	50.0	4
S5238.0XR0.3	8.00	0.30	8.00	20.00	64.0	4
S5238.0XR0.5	8.00	0.50	8.00	20.00	64.0	4
S5238.0XR1.0	8.00	1.00	8.00	20.00	64.0	4
S5238.0XR2.0	8.00	2.00	8.00	20.00	64.0	4
S52310.0XR0.5	10.00	0.50	10.00	22.00	70.0	4
S52310.0XR1.0	10.00	1.00	10.00	22.00	70.0	4
S52310.0XR1.5	10.00	1.50	10.00	22.00	70.0	4
S52310.0XR2.0	10.00	2.00	10.00	22.00	70.0	4
S52312.0XR0.5	12.00	0.50	12.00	25.00	75.0	4
S52312.0XR1.0	12.00	1.00	12.00	25.00	75.0	4
S52312.0XR2.0	12.00	2.00	12.00	25.00	75.0	4
S52312.0XR3.0	12.00	3.00	12.00	25.00	75.0	4
S52316.0XR0.5	16.00	0.50	16.00	32.00	90.0	4

产品型号	DC	RE	DCON MS	APMX	OAL	NOF
	(mm)	(mm)	(mm)	(mm)	(mm)	
S52316.0XR1.0	16.00	1.00	16.00	32.00	90.0	4
S52316.0XR2.0	16.00	2.00	16.00	32.00	90.0	4
S52316.0XR3.0	16.00	3.00	16.00	32.00	90.0	4

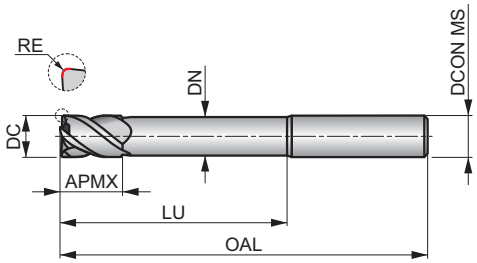
S524

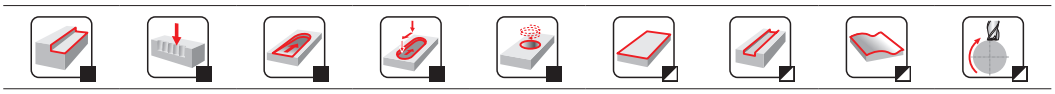
DORMER

4-刃整硬合金圆角立铣刀，长悬伸

超短切削长度，4-刃设计，具有提供不同圆角尺寸和40°螺旋槽提供了高刚性，在难以达到的窄角区域进行廓铣削。颈部避空避免与工作接触壁面并扩大加工范围。TiSiN涂层提高了硬化材料的加工性能，最高可达63HRC。

HM	N	NOF 4
	λ 40°	γ -6°
DIN 6535HA	TiSiN	DC h9
	DORMER	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
■119 I	■70 G	■60 E	■78 G	■64 G	■50 E	■42 B

DCON MS公差h6; RE ±0.01 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5243.0XR0.3	3.00	0.30	6.00	5.00	75.0	4	30.00	2.80
S5244.0XR0.3	4.00	0.30	6.00	8.00	75.0	4	32.00	3.70
S5244.0XR0.5	4.00	0.50	6.00	8.00	75.0	4	32.00	3.70
S5245.0XR0.3	5.00	0.30	6.00	9.00	75.0	4	32.00	4.60
S5245.0XR0.5	5.00	0.50	6.00	9.00	75.0	4	32.00	4.60
S5246.0XR0.3	6.00	0.30	6.00	10.00	75.0	4	40.00	5.50
S5246.0XR0.5	6.00	0.50	6.00	10.00	75.0	4	40.00	5.50
S5246.0XR1.0	6.00	1.00	6.00	10.00	75.0	4	40.00	5.50
S5248.0XR0.3	8.00	0.30	8.00	12.00	75.0	4	40.00	7.40
S5248.0XR0.5	8.00	0.50	8.00	12.00	75.0	4	40.00	7.40
S5248.0XR1.0	8.00	1.00	8.00	12.00	75.0	4	40.00	7.40
S52410.0XR0.5	10.00	0.50	10.00	14.00	75.0	4	40.00	9.20
S52410.0XR1.0	10.00	1.00	10.00	14.00	75.0	4	40.00	9.20
S52410.0XR2.0	10.00	2.00	10.00	14.00	75.0	4	40.00	9.20
S52412.0XR0.5	12.00	0.50	12.00	16.00	100.0	4	60.00	11.00
S52412.0XR1.0	12.00	1.00	12.00	16.00	100.0	4	60.00	11.00
S52412.0XR2.0	12.00	2.00	12.00	16.00	100.0	4	60.00	11.00
S52416.0XR0.5	16.00	0.50	16.00	22.00	125.0	4	85.00	15.00
S52416.0XR1.0	16.00	1.00	16.00	22.00	125.0	4	85.00	15.00
S52416.0XR2.0	16.00	2.00	16.00	22.00	125.0	4	85.00	15.00
S52416.0XR3.0	16.00	3.00	16.00	22.00	125.0	4	85.00	15.00

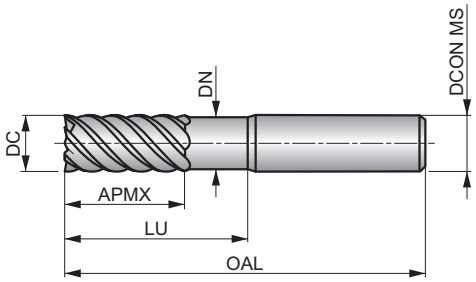
S525

DORMER

多-刃整硬合金精加工立铣刀

短切削长度，6或8刃设计，具有50°螺旋槽提供了高刚性，用于深壁的精加工。颈部避空避免与工作接触壁面并扩大加工范围。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削高达63HRC的硬化材料时。

HM	N	NOF 6-8
	λ 50°	γ -26°
DIN 6535HA	TiSiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
119 G	70 G	60 E	78 G	64 G	50 E	42 A

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5253.0	3.00	6.00	8.00	50.0	6	20.00	2.80
S5254.0	4.00	6.00	11.00	50.0	6	20.00	3.70
S5256.0	6.00	6.00	15.00	50.0	6	20.00	5.50
S5258.0	8.00	8.00	20.00	64.0	6	30.00	7.40
S52510.0	10.00	10.00	22.00	70.0	6	32.00	9.20
S52512.0	12.00	12.00	25.00	75.0	6	37.00	11.00
S52514.0	14.00	14.00	30.00	90.0	6	44.00	13.00
S52516.0	16.00	16.00	30.00	90.0	8	46.00	15.00
S52518.0	18.00	18.00	35.00	100.0	8	53.00	17.00
S52520.0	20.00	20.00	38.00	100.0	8	58.00	19.00

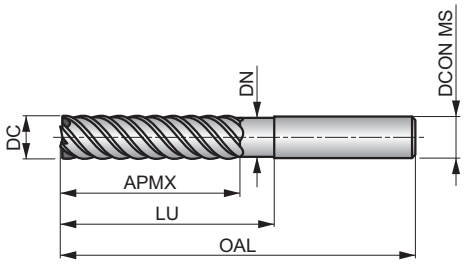
S526

DORMER

多-刃整硬合金精加工立铣刀，长系列

长切削长度，6或8刃设计，具有50°螺旋槽，为精加工深壁提供了高刚性。颈部避空避免与工作接触壁面并扩大加工范围。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削高达63HRC的硬化材料时。

HM	N	NOF 6-8
	λ 50°	γ -26°
DIN 6535HA	TiSiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
■96 G	■57 G	■49 E	■63 G	■52 G	■40 E	■34 A

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5263.0	3.00	6.00	19.00	75.0	6	30.00	2.80
S5264.0	4.00	6.00	19.00	75.0	6	32.00	3.70
S5266.0	6.00	6.00	31.00	75.0	6	40.00	5.50
S5268.0	8.00	8.00	31.00	75.0	6	40.00	7.40
S52610.0	10.00	10.00	45.00	100.0	6	60.00	9.20
S52612.0	12.00	12.00	50.00	100.0	6	60.00	11.00
S52614.0	14.00	14.00	57.00	125.0	6	85.00	13.00
S52616.0	16.00	16.00	57.00	125.0	8	85.00	15.00
S52618.0	18.00	18.00	57.00	125.0	8	85.00	17.00
S52620.0	20.00	20.00	57.00	125.0	8	85.00	19.00

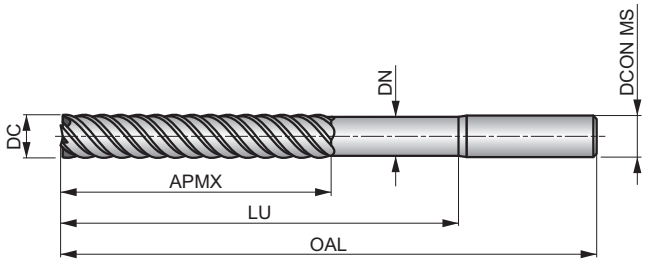
S527

DORMER

多-刃整硬合金精加工立铣刀，超长系列

超长切削长度，6或8刃设计，具有50°螺旋槽提供了高刚性，用于精加工超深壁面。颈部避空避免与工作接触壁面并扩大加工范围。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削高达63HRC的硬化材料时。

HM	N	NOF 6-8
	λ 50°	γ -26°
DIN 6535HA	TiSiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
■59 G	■35 G	■30 E	■39 G	■32 G	■25 E	■21 A

DCON MS公差h6

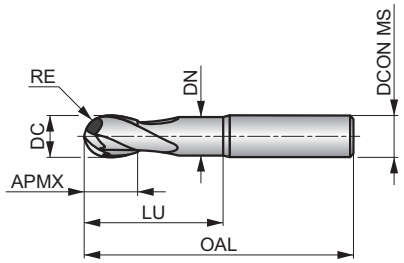
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5273.0	3.00	6.00	25.00	100.0	6	60.00	2.80
S5274.0	4.00	6.00	31.00	100.0	6	60.00	3.70
S5276.0	6.00	6.00	38.00	100.0	6	60.00	5.50
S5278.0	8.00	8.00	41.00	100.0	6	60.00	7.40
S52710.0	10.00	10.00	57.00	125.0	6	85.00	9.20
S52712.0	12.00	12.00	75.00	150.0	6	110.00	11.00
S52716.0	16.00	16.00	75.00	150.0	8	110.00	15.00
S52720.0	20.00	20.00	75.00	150.0	8	110.00	19.00

S529

DORMER

2-刃整硬合金球头立铣刀

超短切削长度，2-刃设计，具有缩颈提供了高刚性和降低振动。球头槽型设计用于复杂表面的高性能轮廓。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削高达63HRC的硬化材料时。



HM	N	NOF 2
	λ 30°	γ -10°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
■119 F	■70 E	■60 D	■78 E	■64 E	■50 D	■42 A

DCON MS公差h6; RE +0/-0.02 mm

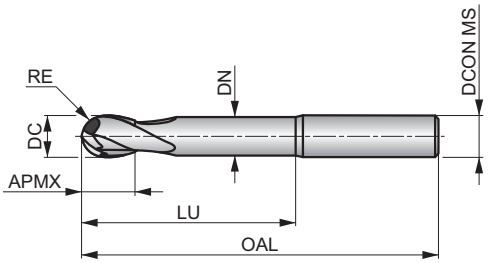
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5291.5	1.50	0.75	6.00	3.00	50.0	2	6.00	1.40
S5292.0XD4	2.00	1.00	4.00	4.00	50.0	2	8.00	1.90
S5292.0XD6	2.00	1.00	6.00	4.00	50.0	2	8.00	1.90
S5293.0XD3	3.00	1.50	3.00	5.00	50.0	2	14.00	2.80
S5293.0XD6	3.00	1.50	6.00	5.00	50.0	2	14.00	2.80
S5294.0XD4	4.00	2.00	4.00	8.00	50.0	2	20.00	3.70
S5294.0XD6	4.00	2.00	6.00	8.00	50.0	2	20.00	3.70
S5295.0XD5	5.00	2.50	5.00	9.00	50.0	2	20.00	4.60
S5295.0XD6	5.00	2.50	6.00	9.00	50.0	2	20.00	4.60
S5296.0	6.00	3.00	6.00	10.00	50.0	2	20.00	5.50
S5298.0	8.00	4.00	8.00	12.00	64.0	2	30.00	7.40
S52910.0	10.00	5.00	10.00	14.00	70.0	2	32.00	9.20
S52912.0	12.00	6.00	12.00	16.00	75.0	2	38.00	11.00
S52916.0	16.00	8.00	16.00	32.00	90.0	2	46.00	15.00

S531

DORMER

2-刃整硬合金球头立铣刀，长悬伸

超短切削长度，长悬伸，2-刃设计，具有缩颈提供了高刚性和降低振动。球头槽型设计用于复杂表面的高性能轮廓。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削高达63HRC的硬化材料时。



HM	N	NOF 2
	λ 30°	γ -10°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
96 F	57 E	49 D	63 E	52 E	40 D	34 A

DCON MS公差h6; RE +0/-0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5311.5	1.50	0.75	6.00	3.00	75.0	2	10.00	1.40
S5312.0XD4	2.00	1.00	4.00	4.00	75.0	2	14.00	1.90
S5312.0XD6	2.00	1.00	6.00	4.00	75.0	2	14.00	1.90
S5313.0XD3	3.00	1.50	3.00	5.00	60.0	2	21.00	2.80
S5313.0XD6	3.00	1.50	6.00	5.00	75.0	2	21.00	2.80
S5314.0XD4	4.00	2.00	4.00	8.00	60.0	2	28.00	3.70
S5314.0XD6	4.00	2.00	6.00	8.00	75.0	2	28.00	3.70
S5315.0XD5	5.00	2.50	5.00	9.00	60.0	2	32.00	4.60
S5315.0XD6	5.00	2.50	6.00	9.00	75.0	2	32.00	4.60
S5316.0	6.00	3.00	6.00	10.00	75.0	2	40.00	5.50
S5318.0	8.00	4.00	8.00	12.00	75.0	2	40.00	7.40
S53110.0	10.00	5.00	10.00	14.00	75.0	2	40.00	9.20
S53112.0	12.00	6.00	12.00	16.00	100.0	2	60.00	11.00
S53116.0	16.00	8.00	16.00	32.00	125.0	2	80.00	15.00

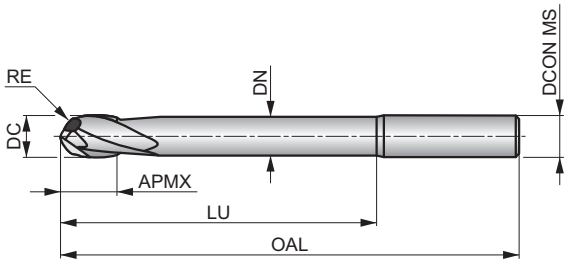
S533

DORMER

2-刃整硬合金球头立铣刀，超长悬伸

超短切削长度，超长悬伸，2-刃设计，具有缩颈提供了高刚性和降低振动。球头槽型设计用于复杂表面的高性能轮廓。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削高达63HRC的硬化材料时。

HM	N	NOF 2
	λ 30°	γ -10°
DIN 6535HA	TiSiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
59 F	35 E	30 D	39 E	32 E	25 D	21 A

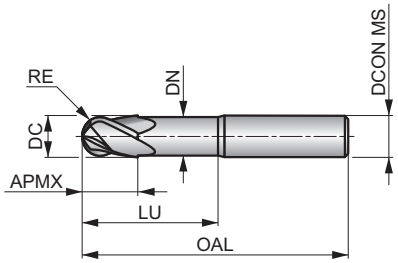
DCON MS公差h6; RE +0/-0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5332.0XD4	2.00	1.00	4.00	4.00	100.0	2	20.00	1.90
S5332.0XD6	2.00	1.00	6.00	4.00	100.0	2	20.00	1.90
S5333.0XD4	3.00	1.50	4.00	5.00	100.0	2	30.00	2.80
S5333.0XD6	3.00	1.50	6.00	5.00	100.0	2	30.00	2.80
S5334.0XD4	4.00	2.00	4.00	8.00	100.0	2	40.00	3.70
S5334.0XD6	4.00	2.00	6.00	8.00	100.0	2	40.00	3.70
S5335.0XD5	5.00	2.50	5.00	9.00	100.0	2	50.00	4.60
S5335.0XD6	5.00	2.50	6.00	9.00	100.0	2	50.00	4.60
S5336.0	6.00	3.00	6.00	10.00	100.0	2	60.00	5.50
S5338.0	8.00	4.00	8.00	12.00	100.0	2	60.00	7.40
S53310.0	10.00	5.00	10.00	14.00	125.0	2	85.00	9.20
S53312.0	12.00	6.00	12.00	16.00	125.0	2	85.00	11.00
S53314.0	14.00	7.00	14.00	32.00	150.0	2	110.00	13.00
S53316.0	16.00	8.00	16.00	32.00	150.0	2	110.00	15.00

S534

4-刃整硬合金球头立铣刀

超短切削长度，4-刃设计，具有缩颈降低振动和提供高刚性。球头槽型设计用于复杂表面的高性能轮廓。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削高达63HRC的硬化材料时。



HM	N	NOF 4
	λ 30°	γ -10°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
119 E	70 D	60 C	78 D	64 D	50 C	42 A

DCON MS公差h6; RE +0/-0.02 mm

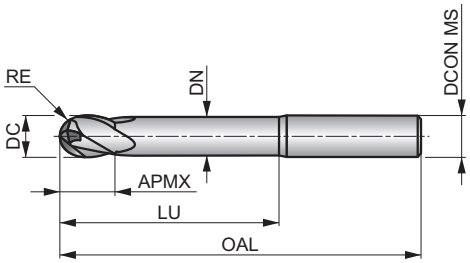
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5343.0	3.00	1.50	6.00	5.00	50.0	4	14.00	2.80
S5344.0	4.00	2.00	6.00	8.00	50.0	4	20.00	3.70
S5345.0	5.00	2.50	6.00	9.00	50.0	4	20.00	4.60
S5346.0	6.00	3.00	6.00	10.00	50.0	4	20.00	5.50
S5348.0	8.00	4.00	8.00	12.00	64.0	4	30.00	7.40
S53410.0	10.00	5.00	10.00	14.00	70.0	4	32.00	9.20
S53412.0	12.00	6.00	12.00	16.00	75.0	4	38.00	11.00
S53414.0	14.00	7.00	14.00	32.00	90.0	4	44.00	13.00
S53416.0	16.00	8.00	16.00	32.00	90.0	4	46.00	15.00

S535

4-刃整硬合金球头立铣刀，长悬伸

超短切削长度，长悬伸，4-刃设计，具有缩颈降低振动和提供高刚性。球头槽型设计用于复杂表面的高性能轮廓。TiSiN涂层增加刀具寿命和提高性能，尤其在铣削高达63HRC的硬化材料时。

HM	N	NOF 4
	λ 30°	γ -10°
DIN 6535HA	TiSiN	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
96 E	57 D	49 C	63 D	52 D	40 C	34 A

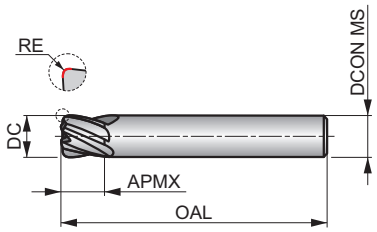
DCON MS公差h6; RE +0/-0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S5353.0	3.00	1.50	6.00	5.00	75.0	4	21.00	2.80
S5354.0	4.00	2.00	6.00	8.00	75.0	4	28.00	3.70
S5355.0	5.00	2.50	6.00	9.00	75.0	4	32.00	4.60
S5356.0	6.00	3.00	6.00	10.00	75.0	4	40.00	5.50
S5358.0	8.00	4.00	8.00	12.00	75.0	4	40.00	7.40
S53510.0	10.00	5.00	10.00	14.00	75.0	4	40.00	9.20
S53512.0	12.00	6.00	12.00	16.00	100.0	4	60.00	11.00
S53514.0	14.00	7.00	14.00	32.00	125.0	4	80.00	13.00
S53516.0	16.00	8.00	16.00	32.00	125.0	4	80.00	15.00

S536

快进给，多-刃整硬合金圆角立铣刀

超短切削长度，4或6刃设计，具有圆角，25°螺旋槽和诽谤槽型用于快进给加工，尤其在铣削高达63HRC的硬化材料时。TiSiN涂层增加刀具寿命和提高性能。



HM	N	NOF 4-6
	λ 25°	γ 0°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
■205 E	■122 E	■104 D	■135 E	■111 E	■86 D	■73 D

DCON MS公差h6; RE ±0.01 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S5366.0XR1.0	6.00	1.00	6.00	6.00	60.0	4
S5368.0XR2.0	8.00	2.00	8.00	8.00	64.0	6
S53610.0XR2.0	10.00	2.00	10.00	10.00	75.0	6
S53612.0XR2.0	12.00	2.00	12.00	12.00	75.0	6

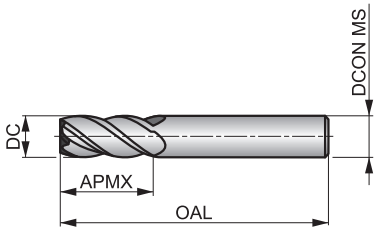
NEW

S561

DORMER

4-刃整硬合金立铣刀

中等切削长度，4-刃设计，具有40°螺旋槽和深沟槽，可铣削高达70HRC的硬质材料。TiSiN涂层提高性能以及不等齿距，降低了振动，最大限度地提高生产力和刀具寿命。垂直切头设计，产生锋利边角。



HM	N	NOF 4
	λ 40°	γ -6°
DIN 6535HA	TiSiN	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

H1.1	H2.1	H2.2	H3.1	H3.2	H4.1	H4.2
119 I	70 G	60 E	78 G	64 G	50 E	42 B

DCON MS公差h6

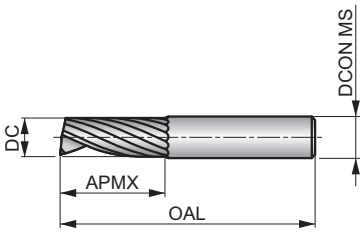
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S5611.0	1.00	6.00	3.00	50.0	4
S5611.5	1.50	6.00	4.50	50.0	4
S5612.0	2.00	6.00	6.50	50.0	4
S5612.5	2.50	6.00	6.50	50.0	4
S5613.0	3.00	6.00	9.00	50.0	4
S5614.0	4.00	6.00	12.00	50.0	4
S5615.0	5.00	6.00	15.00	50.0	4
S5616.0	6.00	6.00	20.00	60.0	4
S5618.0	8.00	8.00	20.00	64.0	4
S56110.0	10.00	10.00	22.00	70.0	4
S56112.0	12.00	12.00	25.00	75.0	4
S56114.0	14.00	14.00	32.00	90.0	4
S56116.0	16.00	16.00	32.00	90.0	4
S56118.0	18.00	18.00	38.00	100.0	4
S56120.0	20.00	20.00	38.00	100.0	4

S637

DORMER

单-刃整硬合金立铣刀

短切削长度，1-刃设计提供高性能，在铣槽和刳铣加工。S637，具有高钩槽型设计，专为高速而设计刳铣加工薄壁。抛光的表面可防止工件材料粘在切削刃上。



HM	W	NOF 1
	λ 25°	γ 20°
DIN 6535HA	Hi	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■709 R	■533 R	■357 R	■357 P	■320 P	■229 P	■373 P	■219 P	■112 P	■373 S	■144 S

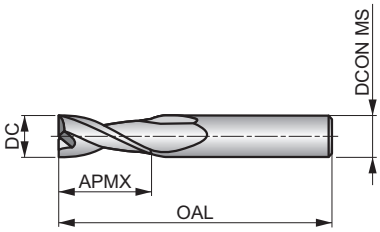
DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S6372.0	2.00	2.00	10.00	40.0	1
S6373.0	3.00	3.00	12.00	40.0	1
S6374.0	4.00	4.00	15.00	50.0	1
S6375.0	5.00	5.00	16.00	50.0	1
S6376.0	6.00	6.00	20.00	60.0	1
S6378.0	8.00	8.00	22.00	63.0	1
S63710.0	10.00	10.00	25.00	72.0	1
S63712.0	12.00	12.00	30.00	83.0	1

S610

2-刃整硬合金立铣刀

短切削长度，2-刃设计为铣削标准槽提供高刚性和轮廓加工。S610，具有高钩槽型设计，是为高性能加工而设计的在有色金属。抛光的表面可防止工件材料粘在切削刃上。



HM	W	NOF 2
	λ 30°	γ 20°
DIN 6535HA	Hi	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■709 P	■533 P	■357 P	■357 O	■320 O	■229 O	■373 O	■219 O	■112 O	■373 R	■144 R

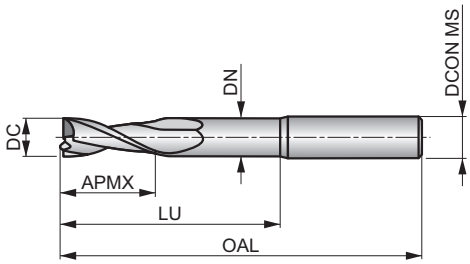
DCON MS公差h6; RE ±0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S6102.0	2.00	0.10	4.00	6.50	40.0	2
S6103.0XD3	3.00	0.10	3.00	9.00	40.0	2
S6103.0XD6	3.00	0.10	6.00	9.00	50.0	2
S6104.0XD4	4.00	0.10	4.00	12.00	50.0	2
S6104.0XD6	4.00	0.10	6.00	12.00	50.0	2
S6105.0	5.00	0.10	6.00	15.00	50.0	2
S6106.0	6.00	0.10	6.00	20.00	50.0	2
S6108.0	8.00	0.10	8.00	20.00	64.0	2
S61010.0	10.00	0.10	10.00	22.00	75.0	2
S61012.0	12.00	0.10	12.00	25.00	75.0	2
S61014.0	14.00	0.10	14.00	32.00	90.0	2
S61016.0	16.00	0.10	16.00	32.00	90.0	2
S61020.0	20.00	0.10	20.00	38.00	100.0	2

S611

2-刃整硬合金立铣刀，超长悬伸

短切削长度，2-刃设计，具有缩颈提供了高刚性，用来在深壁中难以到达的区域进行铣削和仿形。S611，具有高钩槽型设计，是为高性能加工而设计的在有色金属。抛光的表面可防止工件材料粘在切削刃上。



HM	W	NOF 2
	λ 30°	γ 20°
DIN 6535HA	Hi	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
638 P	480 P	321 P	321 0	288 0	206 0	336 0	197 0	101 0	336 R	130 R

DCON MS公差h6; RE ±0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S6113.0XD3	3.00	0.10	3.00	9.00	40.0	2	15.00	2.80
S6113.0XD6	3.00	0.10	6.00	9.00	50.0	2	15.00	2.80
S6114.0XD4	4.00	0.10	4.00	12.00	50.0	2	20.00	3.70
S6114.0XD6	4.00	0.10	6.00	12.00	50.0	2	20.00	3.70
S6115.0	5.00	0.10	6.00	15.00	50.0	2	20.00	4.60
S6116.0	6.00	0.10	6.00	16.00	80.0	2	40.00	5.50
S6118.0	8.00	0.10	8.00	20.00	80.0	2	40.00	7.40
S61110.0	10.00	0.10	10.00	22.00	100.0	2	60.00	9.20
S61112.0	12.00	0.10	12.00	25.00	100.0	2	60.00	11.00
S61114.0	14.00	0.10	14.00	32.00	125.0	2	75.00	13.00
S61116.0	16.00	0.10	16.00	32.00	125.0	2	75.00	15.00
S61120.0	20.00	0.10	20.00	38.00	125.0	2	75.00	19.00

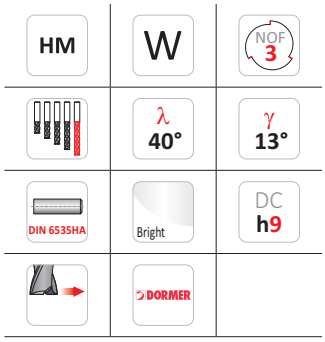
NEW

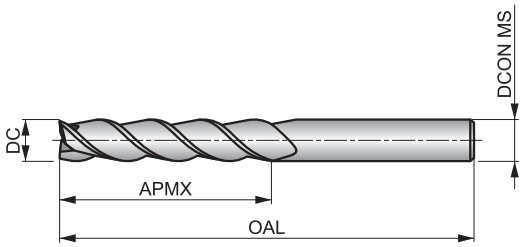
S614

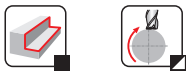
DORMER

3-刃整硬合金立铣刀，超长系列

超长切削长度，3-刃设计，用于浅轮廓加工应用在在难以达到的区域。S614，具有高钩槽型设计，是为高性能加工而设计的在有色金属。







工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■638 G	■480 G	■321 G	■321 F	■288 F	■206 F	■336 F	■197 F	■101 F	■336 I	■130 I

DCON MS公差h6

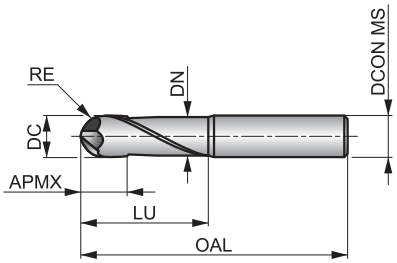
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S6143.0XD3	3.00	3.00	19.00	60.0	3
S6143.0XD6	3.00	6.00	19.00	75.0	3
S6144.0XD4	4.00	4.00	19.00	60.0	3
S6144.0XD6	4.00	6.00	19.00	75.0	3
S6145.0	5.00	6.00	19.00	75.0	3
S6146.0	6.00	6.00	31.00	75.0	3
S6148.0	8.00	8.00	41.00	100.0	3
S61410.0	10.00	10.00	50.00	100.0	3
S61412.0	12.00	12.00	50.00	100.0	3
S61414.0	14.00	14.00	57.00	125.0	3
S61416.0	16.00	16.00	57.00	125.0	3

S629

DORMER

2-刃整硬合金球头立铣刀

超短切削长度，2-刃设计，具有缩颈降低振动和提供高刚性。球头槽型设计用于有色金属的复杂表面的高性能轮廓加工。



HM	W	NOF 2
	λ 30°	γ 15°
DIN 6535HA	Bright	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■709 N	■533 N	■357 N	■357 N	■320 N	■229 N	■373 N	■219 N	■112 N	■373 O	■144 O

DCON MS公差h6; RE +0/-0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S6291.0 [1]	1.00	0.50	4.00	0.80	50.0	2	10.00	0.90
S6291.5 [1]	1.50	0.75	4.00	1.20	50.0	2	12.00	1.40
S6292.0 [1]	2.00	1.00	4.00	1.60	60.0	2	18.00	1.90
S6293.0	3.00	1.50	6.00	5.00	57.0	2	20.00	2.80
S6294.0	4.00	2.00	6.00	6.00	57.0	2	20.00	3.70
S6295.0	5.00	2.50	6.00	7.00	57.0	2	20.00	4.60
S6296.0	6.00	3.00	6.00	8.00	57.0	2	20.00	5.50
S6298.0	8.00	4.00	8.00	10.00	64.0	2	25.00	7.40
S62910.0	10.00	5.00	10.00	12.00	75.0	2	35.00	9.20
S62912.0	12.00	6.00	12.00	14.00	75.0	2	35.00	11.00
S62916.0	16.00	8.00	16.00	18.00	90.0	2	45.00	15.00
S62920.0	20.00	10.00	20.00	22.00	100.0	2	50.00	19.00

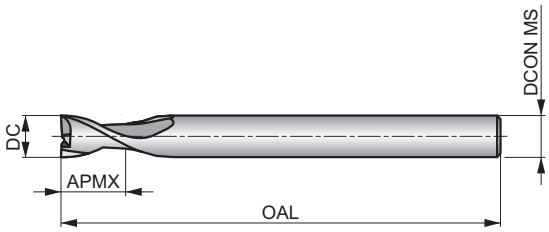
[1] 11°螺旋角

S638

2-刃整硬合金立铣刀，超长悬伸

超短切削长度，2-刃缩径柄提供间隙，可在深壁加工时留出间隙。S638，具有高钩槽型设计，专为高速而设计加工在有色金属。抛光的表面可防止工件材料粘在切削刃上。

HM	W	NOF 2
	λ 30°	γ 20°
DIN 6535HA	Hi	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■709 N	■533 N	■357 N	■357 N	■320 N	■229 N	■373 N	■219 N	■112 N	■373 O	■144 O

缩径柄;DCON MS公差h6;±0.02毫米。

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S6386.2	6.20	0.10	6.00	8.00	100.0	2
S6388.2	8.20	0.10	8.00	10.00	100.0	2
S63810.3	10.30	0.10	10.00	14.00	125.0	2
S63812.3	12.30	0.10	12.00	16.00	125.0	2
S63816.3	16.30	0.10	16.00	20.00	125.0	2
S63820.3	20.30	0.10	20.00	25.00	125.0	2

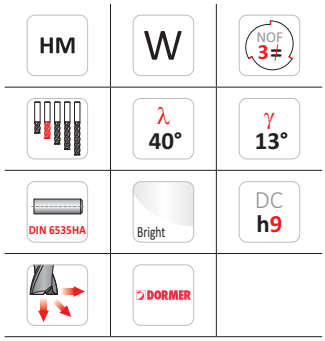
NEW

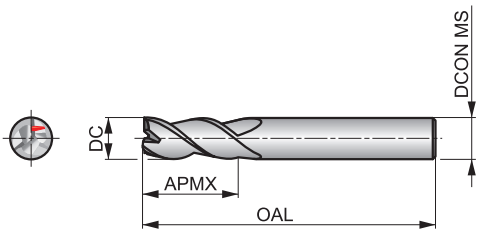
S650

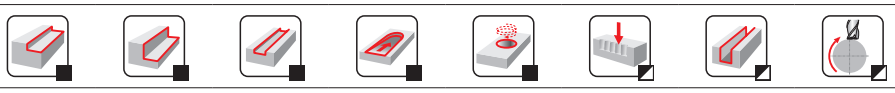
DORMER

3-刃整硬合金立铣刀

短切削长度，3-刃设计，具有不等齿距，在铣削时降低了振动，主轴负载和提高表面光洁度。单分屑凹槽有助于将切屑打碎成易于处理的碎片，在有色金属的加工时更好地排出。







工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■780 O	■608 O	■393 O	■393 N	■352 N	■252 N	■410 N	■241 N	■123 N	■410 P	■158 P

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S6501.0	1.00	4.00	3.00	40.0	3
S6501.5	1.50	4.00	4.50	40.0	3
S6502.0	2.00	4.00	6.50	40.0	3
S6502.5	2.50	4.00	6.50	40.0	3
S6503.0XD3	3.00	3.00	9.00	40.0	3
S6503.0XD6	3.00	6.00	9.00	50.0	3
S6504.0XD4	4.00	4.00	12.00	50.0	3
S6504.0XD6	4.00	6.00	12.00	50.0	3
S6505.0	5.00	6.00	15.00	50.0	3
S6506.0	6.00	6.00	16.00	50.0	3
S6508.0	8.00	8.00	20.00	64.0	3
S65010.0	10.00	10.00	22.00	70.0	3
S65012.0	12.00	12.00	25.00	75.0	3
S65014.0	14.00	14.00	32.00	90.0	3
S65016.0	16.00	16.00	32.00	90.0	3
S65020.0 [1]	20.00	20.00	38.00	100.0	3

[1] 无不等距和分屑凹槽

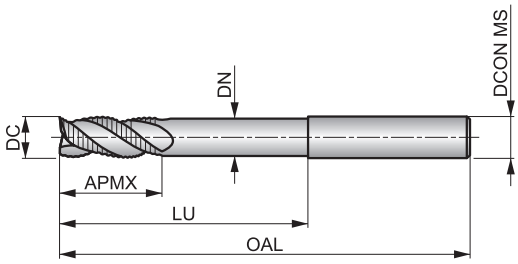
NEW

S654

DORMER

3-刃整硬合金粗加工立铣刀，长悬伸

短切削长度，3-刃粗加工设计，具有缩颈和不等齿距，有助于降低振动和最大化生产力和刀具寿命。S654，具有NRA齿形，有助于将切屑打碎成易于处理的小碎片，专为高效率的粗加工有色金属



HM	W NRA	NOF 3
	λ 40°	γ 15°
DIN 6535HA	Bright	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■709 O	■533 O	■357 O	■357 N	■320 N	■229 N	■373 N	■219 N	■112 N	■373 P	■144 P

DCON MS公差h6; RE ±0.02 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
S6546.0	6.00	0.10	6.00	13.00	75.0	3	40.00	5.50
S6548.0	8.00	0.10	8.00	20.00	75.0	3	40.00	7.40
S65410.0	10.00	0.10	10.00	22.00	100.0	3	60.00	9.20
S65412.0	12.00	0.12	12.00	26.00	100.0	3	60.00	11.00
S65416.0	16.00	0.16	16.00	32.00	125.0	3	75.00	15.00
S65420.0	20.00	0.20	20.00	40.00	150.0	3	100.00	19.00

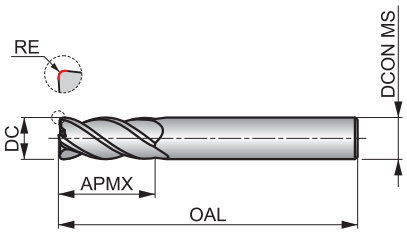
NEW

S662

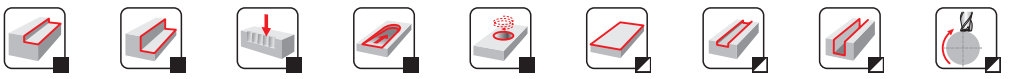
DORMER

4-刃整硬合金圆角立铣刀

短切削长度，4-刃设计，具有不等齿距和提供不同圆角尺寸，用于需要圆角半径的轮廓铣削。S662，具有高钩槽型设计，是为高性能加工而设计的在有色金属。



HM	W	NOF 4≠
	λ 40°	γ 10°
DIN 6535HA	Bright	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■709 O	■533 O	■357 O	■357 N	■320 N	■229 N	■373 N	■219 N	■112 N	■373 P	■144 P

DCON MS公差h6; RE ±0.01 mm

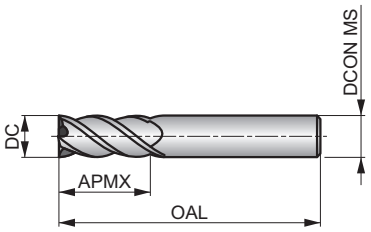
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S6623.0XR0.3	3.00	0.30	6.00	9.00	57.0	4
S6624.0XR0.3	4.00	0.30	6.00	12.00	57.0	4
S6624.0XR0.5	4.00	0.50	6.00	12.00	57.0	4
S6625.0XR0.3	5.00	0.30	6.00	15.00	57.0	4
S6625.0XR0.5	5.00	0.50	6.00	15.00	57.0	4
S6626.0XR0.5	6.00	0.50	6.00	16.00	57.0	4
S6626.0XR1.0	6.00	1.00	6.00	16.00	57.0	4
S6626.0XR2.0	6.00	2.00	6.00	16.00	57.0	4
S6628.0XR0.5	8.00	0.50	8.00	20.00	64.0	4
S6628.0XR1.0	8.00	1.00	8.00	20.00	64.0	4
S6628.0XR2.0	8.00	2.00	8.00	20.00	64.0	4
S66210.0XR0.5	10.00	0.50	10.00	22.00	72.0	4
S66210.0XR1.0	10.00	1.00	10.00	22.00	72.0	4
S66210.0XR2.0	10.00	2.00	10.00	22.00	72.0	4
S66212.0XR1.0	12.00	1.00	12.00	26.00	83.0	4
S66212.0XR2.0	12.00	2.00	12.00	26.00	83.0	4
S66212.0XR2.5	12.00	2.50	12.00	26.00	83.0	4
S66212.0XR3.0	12.00	3.00	12.00	26.00	83.0	4
S66216.0XR1.0	16.00	1.00	16.00	32.00	92.0	4
S66216.0XR2.0	16.00	2.00	16.00	32.00	92.0	4
S66216.0XR3.0	16.00	3.00	16.00	32.00	92.0	4
S66216.0XR4.0	16.00	4.00	16.00	32.00	92.0	4
S66220.0XR2.0	20.00	2.00	20.00	38.00	104.0	4
S66220.0XR4.0	20.00	4.00	20.00	38.00	104.0	4

S612

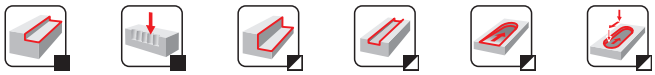
DORMER

4-刃整硬合金立铣刀

短切削长度，4-刃设计提供了高刚性，适用于标准轮廓铣削。类金刚石涂层增加刀具寿命和提高性能。用于铣削耐磨材料。



HM	N	NOF 4
	λ 40°	γ 10°
DIN 6535HA	Diamond	DC h9
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

N5.1

■350 G

DCON MS公差h6

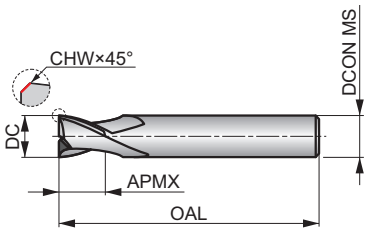
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S6121.0	1.00	3.00	3.00	50.0	4
S6121.5	1.50	3.00	4.50	50.0	4
S6122.0	2.00	3.00	6.50	50.0	4
S6122.5	2.50	3.00	6.50	50.0	4
S6123.0	3.00	3.00	9.00	50.0	4
S6124.0	4.00	4.00	12.00	50.0	4
S6125.0	5.00	5.00	15.00	50.0	4
S6126.0	6.00	6.00	20.00	60.0	4
S6128.0	8.00	8.00	20.00	64.0	4
S61210.0	10.00	10.00	22.00	70.0	4
S61212.0	12.00	12.00	25.00	75.0	4

S802HA

DORMER

2-刃整硬合金槽铣刀 DIN 6535 HA刀柄

超短切削长度，2-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸和坡走铣应用。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 2
	λ 28°	γ 9°
DIN 6535HA	AlCrN	
DIN 6527K		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■206 K	■230 K	■238 K	■176 K	■155 K	■137 J	■143 K	■114 J	■97 J	■84 J	■72 J	■58 J	■121 K	■102 K
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■107 K	■89 J	◪75 J	■99 J	■85 J	◪76 J	◪75 J	◪63 J	■205 K	■152 K	■114 K	■210 K	■171 K	■137 J
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■186 K	■143 K	■115 J	■173 J	■131 J	■95 J	■82 J	■68 J	■196 J	■147 J	■114 J	◪408 K	◪307 K	■206 K
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1	
■206 K	■184 K	■132 K	■215 K	■125 K	◪64 K	◪215 K	◪83 K	◪81 J	◪71 J	◪55 J	◪41 J	◪32 J	

DCON MS公差h6; DC ≤ 7.75 mm: CHW ±0.03×45° mm; DC > 7.75 mm: CHW ±0.05×45° mm

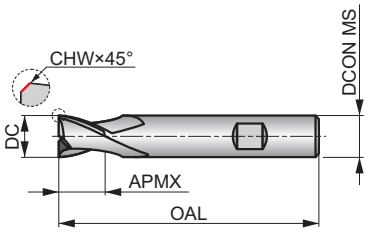
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S802HA1.0	1.00	–	3.00	3.00	38.0	2
S802HA1.5	1.50	–	3.00	3.00	38.0	2
S802HA2.0	2.00	–	6.00	3.00	50.0	2
S802HA2.5	2.50	0.08	6.00	3.00	50.0	2
S802HA3.0	3.00	0.08	6.00	4.00	50.0	2
S802HA3.5	3.50	0.08	6.00	4.00	50.0	2
S802HA4.0	4.00	0.13	6.00	5.00	54.0	2
S802HA4.5	4.50	0.13	6.00	5.00	54.0	2
S802HA5.0	5.00	0.13	6.00	6.00	54.0	2
S802HA6.0	6.00	0.13	6.00	7.00	54.0	2
S802HA7.0	7.00	0.13	8.00	8.00	58.0	2
S802HA8.0	8.00	0.20	8.00	9.00	58.0	2
S802HA9.0	9.00	0.20	10.00	10.00	66.0	2
S802HA10.0	10.00	0.20	10.00	11.00	66.0	2
S802HA12.0	12.00	0.20	12.00	12.00	73.0	2
S802HA14.0	14.00	0.20	14.00	14.00	75.0	2
S802HA16.0	16.00	0.20	16.00	16.00	82.0	2
S802HA18.0	18.00	0.20	18.00	18.00	84.0	2
S802HA20.0	20.00	0.30	20.00	20.00	92.0	2

S802HB

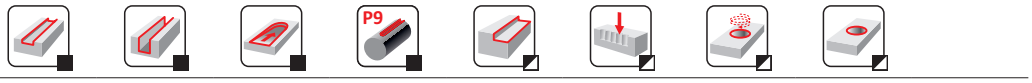
DORMER

2-刃整硬合金槽铣刀 DIN 6535 HB刀柄

超短切削长度，2-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸和坡走铣应用。侧固刀柄防止立铣刀在刀柄中打滑。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 2
	λ 28°	γ 9°
DIN 6535HB	AlCrN	
DIN 6527K		



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■206 K	■230 K	■238 K	■176 K	■155 K	■137 J	■143 K	■114 J	■97 J	■84 J	■72 J	■58 J	■121 K	■102 K
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■107 K	■89 J	◪75 J	■99 J	■85 J	◪76 J	◪75 J	◪63 J	■205 K	■152 K	■114 K	■210 K	■171 K	■137 J
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■186 K	■143 K	■115 J	■173 J	■131 J	■95 J	■82 J	■68 J	■196 J	■147 J	■114 J	◪408 K	◪307 K	■206 K
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1	
■206 K	■184 K	■132 K	■215 K	■125 K	◪64 K	◪215 K	◪83 K	◪81 J	◪71 J	◪55 J	◪41 J	◪32 J	

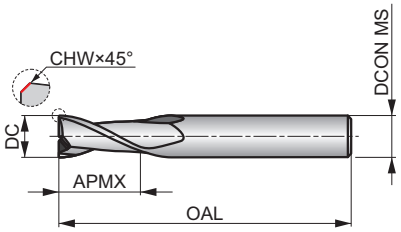
DCON MS公差h6; DC ≤ 7.75 mm: CHW ±0.03×45° mm; DC > 7.75 mm: CHW ±0.05×45° mm

产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S802HB2.0	2.00	–	6.00	3.00	50.0	2
S802HB2.5	2.50	0.08	6.00	3.00	50.0	2
S802HB3.0	3.00	0.08	6.00	4.00	50.0	2
S802HB3.5	3.50	0.08	6.00	4.00	50.0	2
S802HB4.0	4.00	0.13	6.00	5.00	54.0	2
S802HB4.5	4.50	0.13	6.00	5.00	54.0	2
S802HB5.0	5.00	0.13	6.00	6.00	54.0	2
S802HB6.0	6.00	0.13	6.00	7.00	54.0	2
S802HB7.0	7.00	0.13	8.00	8.00	58.0	2
S802HB8.0	8.00	0.20	8.00	9.00	58.0	2
S802HB9.0	9.00	0.20	10.00	10.00	66.0	2
S802HB10.0	10.00	0.20	10.00	11.00	66.0	2
S802HB12.0	12.00	0.20	12.00	12.00	73.0	2
S802HB14.0	14.00	0.20	14.00	14.00	75.0	2
S802HB16.0	16.00	0.20	16.00	16.00	82.0	2
S802HB18.0	18.00	0.20	18.00	18.00	84.0	2
S802HB20.0	20.00	0.30	20.00	20.00	92.0	2

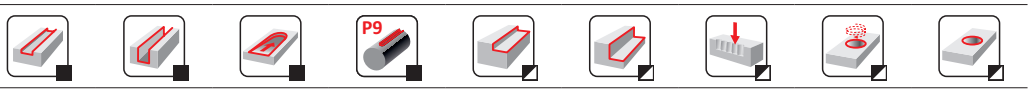
S812HA

2-刃整硬合金槽铣刀 DIN 6535 HA刀柄

短切削长度，2-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸和坡走铣应用。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 2
	λ 28°	γ 9°
DIN 6535HA	AlCrN	
DIN 6527L		



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■166 K	■186 K	■192 K	■142 K	■125 K	■111 J	■115 K	■93 J	■78 J	■68 J	■59 J	■47 J	■97 K	■81 K
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■85 K	■71 J	■79 J	■68 J	■61 J	■60 J	■166 K	■123 K	■92 K	■170 K	■138 K	■110 J	■150 K	■115 K
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■93 J	■140 J	■105 J	■77 J	■66 J	■56 J	■159 J	■118 J	■92 J	◪330 K	◪247 K	■166 K	■166 K	■148 K
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1			
■107 K	■173 K	■101 K	◪52 K	◪173 K	◪67 K	■72 J	■64 J	■49 J	■38 J	■30 J			

DCON MS公差h6; DC ≤ 7.00 mm: CHW ±0.03×45° mm; DC > 7.00 mm: CHW ±0.05×45° mm

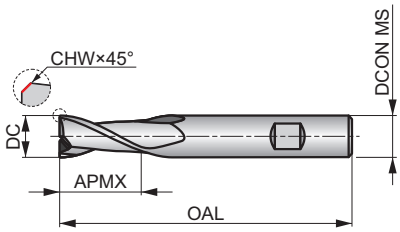
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S812HA2.0	2.00	–	6.00	6.00	57.0	2
S812HA2.5	2.50	0.08	6.00	7.00	57.0	2
S812HA3.0	3.00	0.08	6.00	7.00	57.0	2
S812HA3.5	3.50	0.08	6.00	7.00	57.0	2
S812HA4.0	4.00	0.13	6.00	8.00	57.0	2
S812HA4.5	4.50	0.13	6.00	8.00	57.0	2
S812HA5.0	5.00	0.13	6.00	10.00	57.0	2
S812HA6.0	6.00	0.13	6.00	10.00	57.0	2
S812HA7.0	7.00	0.13	8.00	13.00	63.0	2
S812HA8.0	8.00	0.20	8.00	16.00	63.0	2
S812HA9.0	9.00	0.20	10.00	16.00	72.0	2
S812HA10.0	10.00	0.20	10.00	19.00	72.0	2
S812HA12.0	12.00	0.20	12.00	22.00	83.0	2
S812HA14.0	14.00	0.20	14.00	22.00	83.0	2
S812HA16.0	16.00	0.20	16.00	26.00	92.0	2
S812HA18.0	18.00	0.20	18.00	26.00	92.0	2
S812HA20.0	20.00	0.30	20.00	32.00	104.0	2

S812HB

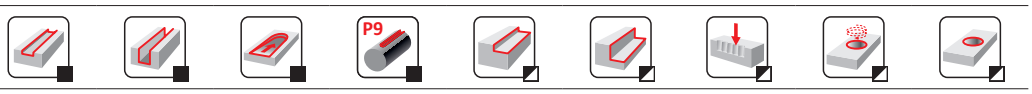
DORMER

2-刃整硬合金槽铣刀 DIN 6535 HB刀柄

短切削长度，2-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸和坡走铣应用。侧固刀柄防止立铣刀在刀柄中打滑。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 2
	λ 28°	γ 9°
DIN 6535HB	AlCrN	
DIN 6527L		



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■166 K	■186 K	■192 K	■142 K	■125 K	■111 J	■115 K	■93 J	■78 J	■68 J	■59 J	■47 J	■97 K	■81 K
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■85 K	■71 J	■79 J	■68 J	■61 J	■60 J	■166 K	■123 K	■92 K	■170 K	■138 K	■110 J	■150 K	■115 K
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■93 J	■140 J	■105 J	■77 J	■66 J	■56 J	■159 J	■118 J	■92 J	◪330 K	◪247 K	■166 K	■166 K	■148 K
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**			
■107 K	■173 K	■101 K	◪52 K	◪173 K	◪67 K	■72 J	■64 J	■49 J	■38 J	■30 J			

DCON MS公差h6; DC ≤ 7.00 mm: CHW ±0.03×45° mm; DC > 7.00 mm: CHW ±0.05×45° mm

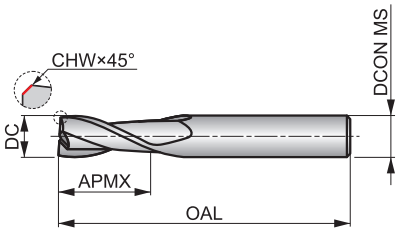
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S812HB2.0	2.00	0.00	6.00	6.00	57.0	2
S812HB2.5	2.50	0.08	6.00	7.00	57.0	2
S812HB3.0	3.00	0.08	6.00	7.00	57.0	2
S812HB3.5	3.50	0.08	6.00	7.00	57.0	2
S812HB4.0	4.00	0.13	6.00	8.00	57.0	2
S812HB4.5	4.50	0.13	6.00	8.00	57.0	2
S812HB5.0	5.00	0.13	6.00	10.00	57.0	2
S812HB6.0	6.00	0.13	6.00	10.00	57.0	2
S812HB7.0	7.00	0.13	8.00	13.00	63.0	2
S812HB8.0	8.00	0.20	8.00	16.00	63.0	2
S812HB9.0	9.00	0.20	10.00	16.00	72.0	2
S812HB10.0	10.00	0.20	10.00	19.00	72.0	2
S812HB12.0	12.00	0.20	12.00	22.00	83.0	2
S812HB14.0	14.00	0.20	14.00	22.00	83.0	2
S812HB16.0	16.00	0.20	16.00	26.00	92.0	2
S812HB18.0	18.00	0.20	18.00	26.00	92.0	2
S812HB20.0	20.00	0.30	20.00	32.00	104.0	2

S822

DORMER

2-刃整硬合金 槽铣刀

中等切削长度，2-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸和坡走铣应用。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 2
	λ 28°	γ 9°
DIN 6535HA	AlCrN	
DORMER		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■146 K	■164 K	■169 K	■125 K	■110 K	■98 J	■101 K	■82 J	■69 J	■61 J	■52 J	■41 J	■85 K	■72 K
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■76 K	■62 J	■70 J	■60 J	■54 J	■53 J	■145 K	■108 K	■81 K	■150 K	■122 K	■97 J	■133 K	■102 K
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■82 J	■123 J	■93 J	■68 J	■59 J	■48 J	■139 J	■105 J	■81 J	◪287 K	◪216 K	■144 K	■144 K	■129 K
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1			
■93 K	■152 K	■88 K	◪45 K	◪152 K	◪59 K	■58 J	■51 J	■39 J	■29 J	■23 J			

DCON MS公差h6; DC ≤ 7.00 mm: CHW ±0.03×45° mm; DC > 7.00 mm: CHW ±0.05×45° mm

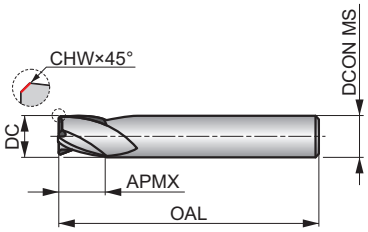
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S8222.0	2.00	–	6.00	8.00	57.0	2
S8222.5	2.50	0.08	6.00	12.00	57.0	2
S8223.0	3.00	0.08	6.00	12.00	57.0	2
S8224.0	4.00	0.13	6.00	14.00	57.0	2
S8225.0	5.00	0.13	6.00	16.00	57.0	2
S8226.0	6.00	0.13	6.00	19.00	57.0	2
S8227.0	7.00	0.13	8.00	19.00	63.0	2
S8228.0	8.00	0.20	8.00	19.00	63.0	2
S8229.0	9.00	0.20	10.00	21.00	72.0	2
S82210.0	10.00	0.20	10.00	22.00	72.0	2
S82212.0	12.00	0.20	12.00	25.00	83.0	2
S82214.0	14.00	0.20	14.00	30.00	83.0	2
S82216.0	16.00	0.20	16.00	32.00	92.0	2
S82218.0	18.00	0.20	18.00	32.00	92.0	2
S82220.0	20.00	0.30	20.00	38.00	104.0	2

S803HA

DORMER

3-刃整硬合金槽铣刀 DIN 6535 HA刀柄

超短切削长度，3-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸。AlCrN涂层增加刀具寿命和提高性能。也适合于插铣和坡走铣铣削。



HM	N	NOF 3
	λ 28°	γ 9°
DIN 6535HA	AlCrN	
DIN 6527K		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■206 J	■230 J	■238 J	■176 J	■155 J	■137 I	■143 J	■114 I	■97 I	■84 I	■72 I	■58 I	■121 J	■102 J
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■107 J	■89 I	◪75 I	■99 I	■85 I	◪76 I	◪75 I	◪63 I	■205 J	■152 J	■114 J	■210 J	■171 J	■137 I
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**
■186 J	■143 J	■115 I	■173 I	■131 I	■95 I	■82 I	■68 I	■196 I	■147 I	■114 I	◪408 K	◪307 K	■206 K
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**	
■206 J	■184 J	■132 J	■215 J	■125 J	◪64 J	◪215 J	◪83 J	◪81 I	◪71 I	◪55 I	◪41 I	◪32 I	

DCON MS公差h6; DC ≤ 7.75 mm: CHW ±0.03×45° mm; DC > 7.75 mm: CHW ±0.05×45° mm

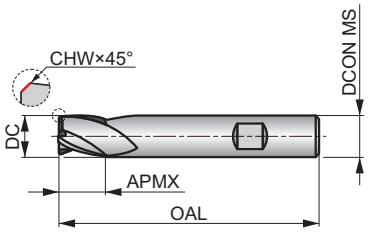
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S803HA1.0	1.00	–	3.00	3.00	38.0	3
S803HA1.5	1.50	–	3.00	3.00	38.0	3
S803HA2.0	2.00	–	6.00	3.00	50.0	3
S803HA2.5	2.50	0.08	6.00	3.00	50.0	3
S803HA2.8	2.80	0.08	6.00	4.00	50.0	3
S803HA3.0	3.00	0.08	6.00	4.00	50.0	3
S803HA3.5	3.50	0.08	6.00	4.00	50.0	3
S803HA3.8	3.80	0.08	6.00	5.00	54.0	3
S803HA4.0	4.00	0.13	6.00	5.00	54.0	3
S803HA4.5	4.50	0.13	6.00	5.00	54.0	3
S803HA4.8	4.80	0.13	6.00	6.00	54.0	3
S803HA5.0	5.00	0.13	6.00	6.00	54.0	3
S803HA6.0	6.00	0.13	6.00	7.00	54.0	3
S803HA7.0	7.00	0.13	8.00	8.00	58.0	3
S803HA8.0	8.00	0.20	8.00	9.00	58.0	3
S803HA9.0	9.00	0.20	10.00	10.00	66.0	3
S803HA10.0	10.00	0.20	10.00	11.00	66.0	3
S803HA12.0	12.00	0.20	12.00	12.00	73.0	3
S803HA14.0	14.00	0.20	14.00	14.00	75.0	3
S803HA16.0	16.00	0.20	16.00	16.00	82.0	3
S803HA18.0	18.00	0.20	18.00	18.00	84.0	3
S803HA20.0	20.00	0.30	20.00	20.00	92.0	3

S803HB

DORMER

3-刃整硬合金槽铣刀 DIN 6535 HB刀柄

超短切削长度，3-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸。AlCrN涂层增加刀具寿命和提高性能。也适合于插铣和坡走铣铣削。



HM	N	NOF 3
	λ 28°	γ 9°
DIN 6535HB	AlCrN	
DIN 6527K		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■206 J	■230 J	■238 J	■176 J	■155 J	■137 I	■143 J	■114 I	■97 I	■84 I	■72 I	■58 I	■121 J	■102 J
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■107 J	■89 I	◪75 I	■99 I	■85 I	◪76 I	◪75 I	◪63 I	■205 J	■152 J	■114 J	■210 J	■171 J	■137 I
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■186 J	■143 J	■115 I	■173 I	■131 I	■95 I	■82 I	■68 I	■196 I	■147 I	■114 I	◪408 K	◪307 K	■206 K
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1	
■206 J	■184 J	■132 J	■215 J	■125 J	◪64 J	◪215 J	◪83 J	◪81 I	◪71 I	◪55 I	◪41 I	◪32 I	

DCON MS公差h6; DC ≤ 7.75 mm: CHW ±0.03×45° mm; DC > 7.75 mm: CHW ±0.05×45° mm

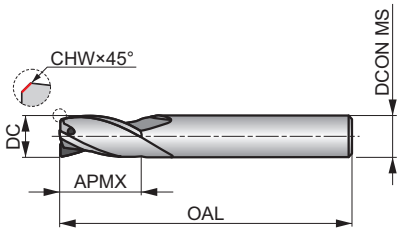
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S803HB2.0	2.00	–	6.00	3.00	50.0	3
S803HB2.5	2.50	0.08	6.00	3.00	50.0	3
S803HB2.8	2.80	0.08	6.00	4.00	50.0	3
S803HB3.0	3.00	0.08	6.00	4.00	50.0	3
S803HB3.5	3.50	0.08	6.00	4.00	50.0	3
S803HB3.8	3.80	0.08	6.00	5.00	54.0	3
S803HB4.0	4.00	0.13	6.00	5.00	54.0	3
S803HB4.5	4.50	0.13	6.00	5.00	54.0	3
S803HB4.8	4.80	0.13	6.00	6.00	54.0	3
S803HB5.0	5.00	0.13	6.00	6.00	54.0	3
S803HB5.75	5.75	0.13	6.00	7.00	54.0	3
S803HB6.0	6.00	0.13	6.00	7.00	54.0	3
S803HB6.75	6.75	0.13	8.00	8.00	58.0	3
S803HB7.0	7.00	0.13	8.00	8.00	58.0	3
S803HB7.75	7.75	0.13	8.00	9.00	58.0	3
S803HB8.0	8.00	0.20	8.00	9.00	58.0	3
S803HB9.0	9.00	0.20	10.00	10.00	66.0	3
S803HB9.7	9.70	0.20	10.00	11.00	66.0	3
S803HB10.0	10.00	0.20	10.00	11.00	66.0	3
S803HB11.7	11.70	0.20	12.00	12.00	73.0	3
S803HB12.0	12.00	0.20	12.00	12.00	73.0	3
S803HB14.0	14.00	0.20	14.00	14.00	75.0	3
S803HB16.0	16.00	0.20	16.00	16.00	82.0	3
S803HB18.0	18.00	0.20	18.00	18.00	84.0	3
S803HB20.0	20.00	0.30	20.00	20.00	92.0	3

S813HA

DORMER

3-刃整硬合金槽铣刀 DIN 6535 HA刀柄

短切削长度，3-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸。AlCrN涂层增加刀具寿命和提高性能。也适合于插铣和坡走铣铣削。



HM	N	NOF 3
	λ 28°	γ 9°
DIN 6535HA	AlCrN	
DIN 6527L		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■166 J	■186 J	■192 J	■142 J	■125 J	■111 I	■115 J	■93 I	■78 I	■68 I	■59 I	◪47 I	■97 J	■81 J
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■85 J	■71 I	◪79 I	◪68 I	◪61 I	◪60 I	■166 J	■123 J	■92 J	■170 J	■138 J	■110 I	■150 J	■115 J
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■93 I	■140 I	■105 I	■77 I	■66 I	■56 I	■159 I	■118 I	■92 I	◪330 K	◪247 K	■166 K	■166 J	■148 J
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**			
■107 J	■173 J	■101 J	◪52 J	◪173 J	◪67 J	◪72 I	◪64 I	◪49 I	◪38 I	◪30 I			

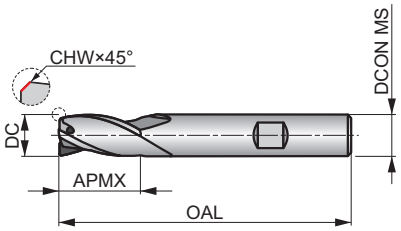
DCON MS公差h6; DC ≤ 7.00 mm: CHW ±0.03×45° mm; DC > 7.00 mm: CHW ±0.05×45° mm

产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S813HA2.0	2.00	0.00	6.00	6.00	57.0	3
S813HA2.5	2.50	0.08	6.00	7.00	57.0	3
S813HA3.0	3.00	0.08	6.00	7.00	57.0	3
S813HA3.5	3.50	0.08	6.00	7.00	57.0	3
S813HA4.0	4.00	0.13	6.00	8.00	57.0	3
S813HA4.5	4.50	0.13	6.00	8.00	57.0	3
S813HA5.0	5.00	0.13	6.00	10.00	57.0	3
S813HA6.0	6.00	0.13	6.00	10.00	57.0	3
S813HA7.0	7.00	0.13	8.00	13.00	63.0	3
S813HA8.0	8.00	0.20	8.00	16.00	63.0	3
S813HA9.0	9.00	0.20	10.00	16.00	72.0	3
S813HA10.0	10.00	0.20	10.00	19.00	72.0	3
S813HA12.0	12.00	0.20	12.00	22.00	83.0	3
S813HA14.0	14.00	0.20	14.00	22.00	83.0	3
S813HA16.0	16.00	0.20	16.00	26.00	92.0	3
S813HA18.0	18.00	0.20	18.00	26.00	92.0	3
S813HA20.0	20.00	0.30	20.00	32.00	104.0	3

S813HB

3-刃整硬合金槽铣刀 DIN 6535 HB刀柄

短切削长度，3-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸。侧固刀柄防止立铣刀在刀柄中打滑。AlCrN涂层提高性能和延长刀具寿命。也适合于插铣和坡走铣铣削。



HM	N	NOF 3
	λ 28°	γ 9°
DIN 6535HB	AlCrN	
DIN 6527L		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■166 J	■186 J	■192 J	■142 J	■125 J	■111 I	■115 J	■93 I	■78 I	■68 I	■59 I	◪47 I	■97 J	■81 J
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■85 J	■71 I	◪79 I	◪68 I	◪61 I	◪60 I	■166 J	■123 J	■92 J	■170 J	■138 J	■110 I	■150 J	■115 J
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■93 I	■140 I	■105 I	■77 I	■66 I	■56 I	■159 I	■118 I	■92 I	◪330 K	◪247 K	■166 K	■166 J	■148 J
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1			
■107 J	■173 J	■101 J	◪52 J	◪173 J	◪67 J	◪72 I	◪64 I	◪49 I	◪38 I	◪30 I			

DCON MS公差h6; DC ≤ 7.00 mm: CHW ±0.03×45° mm; DC > 7.00 mm: CHW ±0.05×45° mm

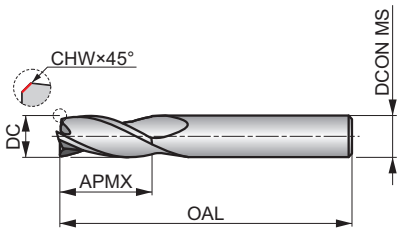
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S813HB2.0	2.00	0.00	6.00	6.00	57.0	3
S813HB2.5	2.50	0.08	6.00	7.00	57.0	3
S813HB3.0	3.00	0.08	6.00	7.00	57.0	3
S813HB3.5	3.50	0.08	6.00	7.00	57.0	3
S813HB4.0	4.00	0.13	6.00	8.00	57.0	3
S813HB4.5	4.50	0.13	6.00	8.00	57.0	3
S813HB5.0	5.00	0.13	6.00	10.00	57.0	3
S813HB6.0	6.00	0.13	6.00	10.00	57.0	3
S813HB7.0	7.00	0.13	8.00	13.00	63.0	3
S813HB8.0	8.00	0.20	8.00	16.00	63.0	3
S813HB9.0	9.00	0.20	10.00	16.00	72.0	3
S813HB10.0	10.00	0.20	10.00	19.00	72.0	3
S813HB12.0	12.00	0.20	12.00	22.00	83.0	3
S813HB14.0	14.00	0.20	14.00	22.00	83.0	3
S813HB16.0	16.00	0.20	16.00	26.00	92.0	3
S813HB18.0	18.00	0.20	18.00	26.00	92.0	3
S813HB20.0	20.00	0.30	20.00	32.00	104.0	3

S823

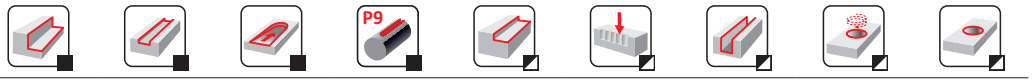
DORMER

3-刃整硬合金 槽铣刀

中等切削长度，3-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸和坡走铣应用。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 3
	λ 28°	γ 9°
DIN 6535HA	AlCrN	
DORMER		



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■145 J	■162 J	■167 J	■124 J	■109 J	■97 I	■100 J	■81 I	■68 I	■60 I	■51 I	◪41 I	■84 J	■71 J
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■75 J	■61 I	◪69 I	◪59 I	◪53 I	◪52 I	■144 J	■107 J	■80 J	■149 J	■121 J	■96 I	■132 J	■101 J
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■81 I	■122 I	■92 I	■67 I	■58 I	■48 I	■138 I	■104 I	■80 I	◪284 K	◪214 K	■143 K	■143 J	■128 J
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1			
■92 J	■150 J	■87 J	◪45 J	◪150 J	◪58 J	◪113 I	◪100 I	◪77 I	◪58 I	◪45 I			

DCON MS公差h6; DC ≤ 7.00 mm: CHW ±0.03×45° mm; DC > 7.00 mm: CHW ±0.05×45° mm

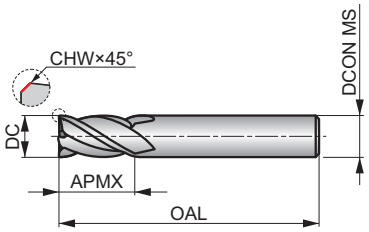
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S8232.0	2.00	–	6.00	8.00	57.0	3
S8232.5	2.50	0.08	6.00	12.00	57.0	3
S8233.0	3.00	0.08	6.00	12.00	57.0	3
S8234.0	4.00	0.13	6.00	14.00	57.0	3
S8235.0	5.00	0.13	6.00	16.00	57.0	3
S8236.0	6.00	0.13	6.00	19.00	57.0	3
S8237.0	7.00	0.13	8.00	19.00	63.0	3
S8238.0	8.00	0.20	8.00	19.00	63.0	3
S8239.0	9.00	0.20	10.00	21.00	72.0	3
S82310.0	10.00	0.20	10.00	22.00	72.0	3
S82312.0	12.00	0.20	12.00	25.00	83.0	3
S82314.0	14.00	0.20	14.00	30.00	83.0	3
S82316.0	16.00	0.20	16.00	32.00	92.0	3
S82318.0	18.00	0.20	18.00	32.00	92.0	3
S82320.0	20.00	0.30	20.00	38.00	104.0	3

S804HA

DORMER

4-刃整硬合金立铣刀，DIN 6535 HA刀柄

超短切削长度，4-刃设计提供了高刚性，用于浅轮廓和插铣应用。AlCrN涂层增加刀具寿命和提高性能。



HM	N	NOF 4
	λ 34°	γ 9°
DIN 6535HA	AlCrN	DC h10
	DIN 6527K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■206 J	■230 J	■238 J	■176 J	■155 J	■137 I	■143 J	■114 I	■97 I	■84 I	■72 I	■58 I	■121 J	■102 J
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■107 J	■89 I	◪75 I	■99 I	■85 I	◪76 I	◪75 I	◪63 I	■205 J	■152 J	■114 J	■210 J	■171 J	■137 I
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■186 J	■143 J	■115 I	■173 I	■131 I	■95 I	■82 I	■68 I	■196 I	■147 I	■114 I	◪408 J	◪307 J	◪206 J
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1	
◪206 J	◪184 J	◪132 J	■215 J	■125 J	◪64 J	◪215 J	◪83 J	◪81 I	◪71 I	◪55 I	◪41 I	◪32 I	

DCON MS公差h6; DC ≤ 8.00 mm: CHW ±0.03×45° mm; DC > 8.00 mm: CHW ±0.05×45° mm

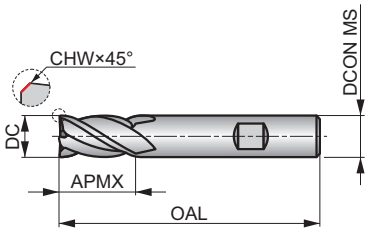
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S804HA2.0	2.00	–	6.00	4.00	50.0	4
S804HA3.0	3.00	0.08	6.00	5.00	50.0	4
S804HA4.0	4.00	0.13	6.00	8.00	54.0	4
S804HA5.0	5.00	0.13	6.00	9.00	54.0	4
S804HA6.0	6.00	0.13	6.00	10.00	54.0	4
S804HA8.0	8.00	0.13	8.00	12.00	58.0	4
S804HA10.0	10.00	0.20	10.00	14.00	66.0	4
S804HA12.0	12.00	0.20	12.00	16.00	73.0	4
S804HA16.0	16.00	0.20	16.00	22.00	82.0	4
S804HA20.0	20.00	0.30	20.00	26.00	92.0	4
S804HA25.0	25.00	0.30	25.00	32.00	121.0	4

S804HB

DORMER

4-刃整硬合金立铣刀，DIN 6535 HB刀柄

超短切削长度，4-刃设计提供了高刚性，用于浅轮廓和插铣应用。侧固刀柄防止立铣刀在刀柄中打滑。AlCrN涂层增加刀具寿命和提高性能。



HM	N	NOF 4
	λ 34°	γ 9°
DIN 6535HB	AlCrN	DC h10
	DIN 6527K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■206 J	■230 J	■238 J	■176 J	■155 J	■137 I	■143 J	■114 I	■97 I	■84 I	■72 I	■58 I	■121 J	■102 J
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■107 J	■89 I	◪75 I	■99 I	■85 I	◪76 I	◪75 I	◪63 I	■205 J	■152 J	■114 J	■210 J	■171 J	■137 I
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■186 J	■143 J	■115 I	■173 I	■131 I	■95 I	■82 I	■68 I	■196 I	■147 I	■114 I	◪408 J	◪307 J	◪206 J
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1	
◪206 J	◪184 J	◪132 J	■215 J	■125 J	◪64 J	◪215 J	◪83 J	◪81 I	◪71 I	◪55 I	◪41 I	◪32 I	

DCON MS公差h6; DC ≤ 8.00 mm: CHW ±0.03×45° mm; DC > 8.00 mm: CHW ±0.05×45° mm

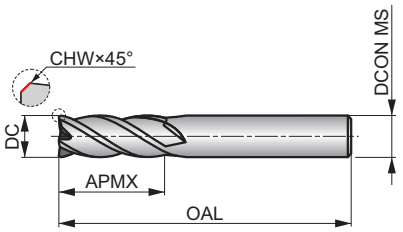
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S804HB2.0	2.00	–	6.00	4.00	50.0	4
S804HB3.0	3.00	0.08	6.00	5.00	50.0	4
S804HB4.0	4.00	0.13	6.00	8.00	54.0	4
S804HB5.0	5.00	0.13	6.00	9.00	54.0	4
S804HB6.0	6.00	0.13	6.00	10.00	54.0	4
S804HB8.0	8.00	0.13	8.00	12.00	58.0	4
S804HB10.0	10.00	0.20	10.00	14.00	66.0	4
S804HB12.0	12.00	0.20	12.00	16.00	73.0	4
S804HB16.0	16.00	0.20	16.00	22.00	82.0	4
S804HB20.0	20.00	0.30	20.00	26.00	92.0	4
S804HB25.0	25.00	0.30	25.00	32.00	121.0	4

S814HA

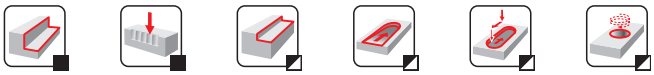
DORMER

4-刃整硬合金立铣刀，DIN 6535 HA刀柄

短切削长度，4-刃设计提供了高刚性，用于通用轮廓加工和插铣应用。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 4
	λ 34°	γ 9°
DIN 6535HA	AlCrN	
DIN 6527L	DC h10	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■166 J	■186 J	■192 J	■142 J	■125 J	■111 I	■115 J	■93 I	■78 I	■68 I	■59 I	◪47 I	■97 J	■81 J
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■85 J	■71 I	◪79 I	◪68 I	◪61 I	◪60 I	■166 J	■123 J	■92 J	■170 J	■138 J	■110 I	■150 J	■115 J
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■93 I	■140 I	■105 I	■77 I	■66 I	■56 I	■159 I	■118 I	■92 I	◪330 J	◪247 J	◪166 J	◪166 J	◪148 J
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**			
◪107 J	■173 J	■101 J	◪52 J	◪173 J	◪67 J	◪72 I	◪64 I	◪49 I	◪38 I	◪30 I			

DCON MS公差h6; DC ≤ 8.00 mm: CHW ±0.03×45° mm; DC > 8.00 mm: CHW ±0.05×45° mm

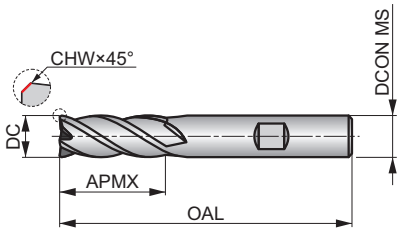
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S814HA2.0	2.00	0.00	6.00	7.00	57.0	4
S814HA3.0	3.00	0.08	6.00	8.00	57.0	4
S814HA4.0	4.00	0.13	6.00	11.00	57.0	4
S814HA5.0	5.00	0.13	6.00	13.00	57.0	4
S814HA6.0	6.00	0.13	6.00	13.00	57.0	4
S814HA8.0	8.00	0.13	8.00	19.00	63.0	4
S814HA10.0	10.00	0.20	10.00	22.00	72.0	4
S814HA12.0	12.00	0.20	12.00	26.00	83.0	4
S814HA16.0	16.00	0.20	16.00	32.00	92.0	4
S814HA20.0	20.00	0.30	20.00	38.00	104.0	4
S814HA25.0	25.00	0.30	25.00	45.00	121.0	4

S814HB

DORMER

4-刃整硬合金立铣刀，DIN 6535 HB刀柄

短切削长度，4-刃设计提供了高刚性，用于通用轮廓加工和插铣应用。侧固刀柄防止立铣刀在刀柄中打滑。AlCrN涂层提高性能和延长刀具寿命。



HM	N	NOF 4
	λ 34°	γ 9°
DIN 6535HB	AlCrN	DC h10
	DIN 6527L	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■166 J	■186 J	■192 J	■142 J	■125 J	■111 I	■115 J	■93 I	■78 I	■68 I	■59 I	◪47 I	■97 J	■81 J
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■85 J	■71 I	◪79 I	◪68 I	◪61 I	◪60 I	■166 J	■123 J	■92 J	■170 J	■138 J	■110 I	■150 J	■115 J
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■93 I	■140 I	■105 I	■77 I	■66 I	■56 I	■159 I	■118 I	■92 I	◪330 J	◪247 J	◪166 J	◪166 J	◪148 J
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S2.1	S3.1	S4.1			
◪107 J	■173 J	■101 J	◪52 J	◪173 J	◪67 J	◪72 I	◪64 I	◪49 I	◪38 I	◪30 I			

DCON MS公差h6; DC ≤ 8.00 mm: CHW ±0.03×45° mm; DC > 8.00 mm: CHW ±0.05×45° mm

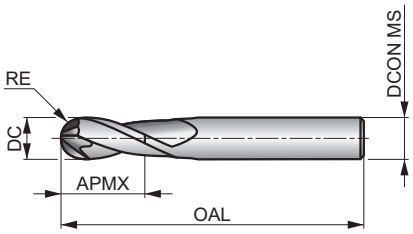
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S814HB2.0	2.00	0.00	6.00	7.00	57.0	4
S814HB3.0	3.00	0.08	6.00	8.00	57.0	4
S814HB4.0	4.00	0.13	6.00	11.00	57.0	4
S814HB5.0	5.00	0.13	6.00	13.00	57.0	4
S814HB6.0	6.00	0.13	6.00	13.00	57.0	4
S814HB8.0	8.00	0.13	8.00	19.00	63.0	4
S814HB10.0	10.00	0.20	10.00	22.00	72.0	4
S814HB12.0	12.00	0.20	12.00	26.00	83.0	4
S814HB16.0	16.00	0.20	16.00	32.00	92.0	4
S814HB20.0	20.00	0.30	20.00	38.00	104.0	4
S814HB25.0	25.00	0.30	25.00	45.00	121.0	4

S501

DORMER

2-刃整硬合金球头立铣刀

短切削长度，2-刃设计降低振动和提供增加强度。球头槽型设计用于复杂表面的高性能轮廓。X-CEED涂层可改善难加工材料的铣削性能。



HM	N	NOF 2
	λ 30°	γ 10°
DIN 6535HA	X-CEED	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■161 F	■181 F	■186 F	■138 F	■121 F	■108 F	■112 F	■90 F	■76 F	■66 F	■57 F	◪46 F	■94 F	■79 F
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■83 F	■69 F	◪77 F	◪66 F	◪59 E	◪58 E	■161 F	■119 F	■89 F	■165 F	■134 F	■107 F	■146 F	■112 F
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■90 F	■136 F	■102 F	■75 F	■64 E	■54 E	■154 F	■115 F	■89 F	◪355 G	◪267 G	◪179 G	◪179 F	◪160 F
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**			
◪115 F	■187 F	■109 F	◪56 F	◪187 F	◪72 F	◪126 F	◪112 F	◪86 E	◪65 E	◪51 E			

DCON MS公差h6; RE ±0.01 mm

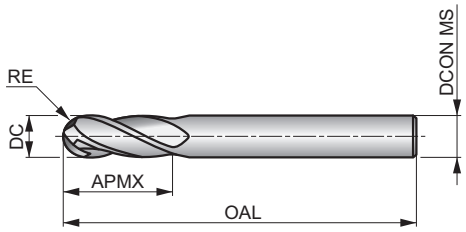
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S5011.0	1.00	0.50	3.00	3.00	38.0	2
S5011.5	1.50	0.75	3.00	3.00	38.0	2
S5012.0	2.00	1.00	3.00	6.00	38.0	2
S5012.5	2.50	1.25	3.00	7.00	38.0	2
S5013.0	3.00	1.50	3.00	7.00	38.0	2
S5014.0	4.00	2.00	6.00	8.00	57.0	2
S5015.0	5.00	2.50	6.00	10.00	57.0	2
S5016.0	6.00	3.00	6.00	10.00	57.0	2
S5017.0	7.00	3.50	8.00	13.00	63.0	2
S5018.0	8.00	4.00	8.00	16.00	63.0	2
S5019.0	9.00	4.50	10.00	16.00	72.0	2
S50110.0	10.00	5.00	10.00	19.00	72.0	2
S50112.0	12.00	6.00	12.00	22.00	83.0	2
S50116.0	16.00	8.00	16.00	26.00	92.0	2

S511

DORMER

4-刃整硬合金球头立铣刀，超长悬伸

短切削长度，超长悬伸，4-刃设计提供了高刚性，增加强度和降低振动在更深层次的应用。球头槽型设计用于复杂表面的高性能轮廓。X-CEED涂层可改善难加工材料的铣削性能。



HM	N	NOF 4
	λ 30°	γ 10°
DIN 6535HA	X-CEED	DC h9
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■161 E	■181 E	■186 E	■138 E	■121 E	■108 E	■112 E	■90 E	■76 E	■66 E	■57 E	◪46 E	■94 E	■79 E
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■83 E	■69 E	◪77 E	◪66 E	◪59 D	◪58 D	■161 E	■119 E	■89 E	■165 E	■134 E	■107 E	■146 E	■112 E
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■90 E	■136 E	■102 E	■75 E	■64 D	■54 D	■154 E	■115 E	■89 E	◪355 F	◪267 F	◪179 F	◪179 E	◪160 E
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**			
◪115 E	■187 E	■109 E	◪56 E	◪187 E	◪72 E	◪126 E	◪112 E	◪86 D	◪65 D	◪51 D			

DCON MS公差h6; RE +0/-0.01 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S5113.0	3.00	1.50	6.00	8.00	80.0	4
S5114.0	4.00	2.00	6.00	11.00	80.0	4
S5115.0	5.00	2.50	6.00	13.00	80.0	4
S5116.0	6.00	3.00	6.00	13.00	80.0	4
S5117.0	7.00	3.50	8.00	16.00	100.0	4
S5118.0	8.00	4.00	8.00	19.00	100.0	4
S5119.0	9.00	4.50	10.00	19.00	100.0	4
S51110.0	10.00	5.00	10.00	22.00	100.0	4
S51112.0	12.00	6.00	12.00	26.00	100.0	4
S51116.0	16.00	8.00	16.00	32.00	100.0	4

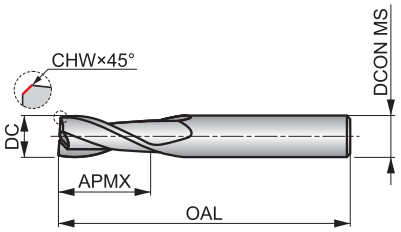
S902

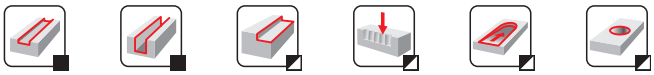
DORMER

2-刃整硬合金立铣刀

中等切削长度，2-刃设计，具有30°螺旋槽为铣削标准槽提供高刚性。

HM	N	NOF 2
	λ 30°	γ 12°
DIN 6535HA	Bright	DC h10
	DORMER	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	K1.1	K1.2	K1.3
■106 K	■119 K	■123 K	■91 K	■80 K	◪71 J	■66 K	■53 J	◪45 J	■40 J	◪34 J	■80 K	◪59 K	◪44 K
K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3
■98 K	■80 K	◪64 J	■87 K	■67 K	◪54 J	■81 J	■61 J	◪45 J	◪38 J	◪32 J	■91 J	■69 J	◪53 J
N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S1.3
◪355 K	■267 K	■179 K	■179 K	◪160 K	◪115 K	■187 K	■109 K	■56 K	◪187 K	◪72 K	■38 J	◪36 J	◪15 J

DCON MS公差h6; DC ≤ 10.00 mm: CHW ±0.03×45° mm; DC > 10.00 mm: CHW ±0.05×45° mm

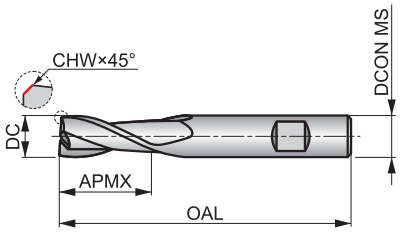
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S9022.0	2.00	0.08	3.00	6.00	38.0	2
S9022.5	2.50	0.08	3.00	9.00	38.0	2
S9023.0	3.00	0.08	3.00	12.00	38.0	2
S9024.0	4.00	0.08	4.00	14.00	50.0	2
S9025.0	5.00	0.13	5.00	16.00	50.0	2
S9026.0	6.00	0.13	6.00	19.00	57.0	2
S9027.0	7.00	0.13	8.00	19.00	63.0	2
S9028.0	8.00	0.13	8.00	19.00	63.0	2
S9029.0	9.00	0.13	10.00	21.00	72.0	2
S90210.0	10.00	0.18	10.00	22.00	72.0	2
S90212.0	12.00	0.20	12.00	25.00	73.0	2
S90214.0	14.00	0.20	14.00	30.00	83.0	2
S90216.0	16.00	0.20	16.00	32.00	92.0	2
S90218.0	18.00	0.20	18.00	32.00	92.0	2
S90220.0	20.00	0.30	20.00	38.00	104.0	2

S922

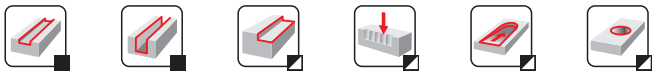
DORMER

2-刃整硬合金立铣刀

中等切削长度，2-刃设计，具有30°螺旋槽为铣削标准槽提供高刚性。圆柱柄为直径5 mm以下。TiALN涂层具有更高的耐高温性能和更长的刀具使用寿命。



HM	N	NOF 2
	λ 30°	γ 12°
DIN 6535HB	TiAlN	DC h10
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	K1.1	K1.2
■132 K	■148 K	■153 K	■113 K	■100 K	■88 J	■98 K	■79 J	■67 J	■59 J	■50 J	◪41 J	■100 K	■74 K
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
■56 K	■107 K	■87 K	■70 J	■95 K	■72 K	■59 J	■88 J	■67 J	■49 J	■42 J	■35 J	■100 J	■75 J
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**
■58 J	◪296 K	◪222 K	■149 K	■149 K	■133 K	■96 K	■156 K	■91 K	◪47 K	◪156 K	◪60 K	◪64 K	■47 J
S1.2	**S1.3**												
◪45 J	◪20 J												

DCON MS公差h6; DC ≤ 10.00 mm: CHW ±0.03×45° mm; DC > 10.00 mm: CHW ±0.05×45° mm
该系列产品有套装提供。请参见S991

产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S9222.0 [1]	2.00	0.08	3.00	6.00	38.0	2
S9222.5 [1]	2.50	0.08	3.00	9.00	38.0	2
S9223.0 [1]	3.00	0.08	3.00	12.00	38.0	2
S9224.0 [1]	4.00	0.08	4.00	14.00	50.0	2
S9225.0 [1]	5.00	0.13	5.00	16.00	50.0	2
S9226.0	6.00	0.13	6.00	19.00	57.0	2
S9227.0	7.00	0.13	8.00	19.00	63.0	2
S9228.0	8.00	0.13	8.00	19.00	63.0	2
S9229.0	9.00	0.13	10.00	21.00	72.0	2
S92210.0	10.00	0.18	10.00	22.00	72.0	2
S92212.0	12.00	0.20	12.00	25.00	73.0	2
S92214.0	14.00	0.20	14.00	30.00	83.0	2
S92216.0	16.00	0.20	16.00	32.00	92.0	2
S92218.0	18.00	0.20	18.00	32.00	92.0	2
S92220.0	20.00	0.30	20.00	38.00	104.0	2

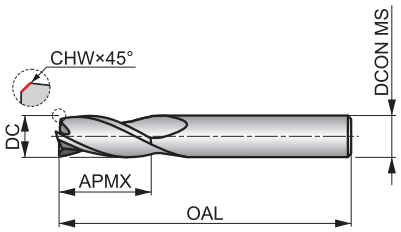
[1] 圆柱刀柄

S903

DORMER

3-刃整硬合金立铣刀

中等切削长度，3-刃设计，具有30°螺旋槽和提供高刚性，为铣削标准槽提供高刚性。



HM	N	NOF 3
	λ 30°	γ 12°
DIN 6535HA	Bright	DC h10
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	K1.1	K1.2	K1.3
■106 J	■119 J	■123 J	■91 J	■80 J	◪71 I	■66 J	■53 I	◪45 I	■40 I	◪34 I	■80 J	◪59 J	◪44 J
K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3
■98 J	■80 J	◪64 I	■87 J	■67 J	◪54 I	■81 I	■61 I	◪45 I	◪38 I	◪32 I	■91 I	■69 I	◪53 I
N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2	S1.3
◪355 K	■267 K	■179 K	■179 J	◪160 J	◪115 J	■187 J	■109 J	■56 J	◪187 J	◪72 J	■38 I	◪36 I	◪43 I

DCON MS公差h6; DC ≤ 9.00 mm: CHW ±0.03×45° mm; DC > 9.00 mm: CHW ±0.05×45° mm

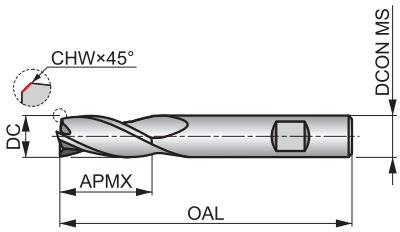
产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S9032.0	2.00	0.08	3.00	6.00	38.0	3
S9032.5	2.50	0.08	3.00	9.00	38.0	3
S9033.0	3.00	0.08	3.00	12.00	38.0	3
S9034.0	4.00	0.08	4.00	14.00	50.0	3
S9035.0	5.00	0.13	5.00	16.00	50.0	3
S9036.0	6.00	0.13	6.00	19.00	57.0	3
S9037.0	7.00	0.13	8.00	19.00	63.0	3
S9038.0	8.00	0.13	8.00	19.00	63.0	3
S9039.0	9.00	0.13	10.00	21.00	72.0	3
S90310.0	10.00	0.20	10.00	22.00	72.0	3
S90312.0	12.00	0.20	12.00	25.00	73.0	3
S90314.0	14.00	0.20	14.00	30.00	83.0	3
S90316.0	16.00	0.20	16.00	32.00	92.0	3
S90318.0	18.00	0.20	18.00	32.00	92.0	3
S90320.0	20.00	0.30	20.00	38.00	104.0	3

S933

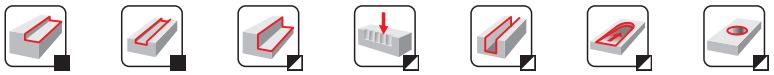
DORMER

3-刃整硬合金立铣刀

中等切削长度，3-刃设计，具有30°螺旋槽为铣削标准槽提供高刚性。圆柱柄为直径5 mm以下。TiALN涂层具有更高的耐高温性能和更长的刀具使用寿命。



HM	N	NOF 3
	λ 30°	γ 12°
DIN 6535HB	TiAlN	DC h10
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	K1.1	K1.2
■132 J	■148 J	■153 J	■113 J	■100 J	■88 I	■98 J	■79 I	■67 I	■59 I	■50 I	◪41 I	■100 J	■74 J
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
■56 J	■107 J	■87 J	■70 I	■95 J	■72 J	■59 I	■88 I	■67 I	■49 I	■42 I	■35 I	■100 I	■75 I
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**
■58 I	◪296 K	◪222 K	■149 K	■149 J	■133 J	■96 J	■156 J	■91 J	◪47 J	◪156 J	◪60 J	◪64 J	■47 I
S1.2	**S1.3**												
◪45 I	◪20 I												

DCON MS公差h6; DC ≤ 9.00 mm: CHW ±0.03×45° mm; DC > 9.00 mm: CHW ±0.05×45° mm
该系列产品有套装提供。请参见S991

产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S9332.0 [1]	2.00	0.08	3.00	6.00	38.0	3
S9332.5 [1]	2.50	0.08	3.00	9.00	38.0	3
S9333.0 [1]	3.00	0.08	3.00	12.00	38.0	3
S9334.0 [1]	4.00	0.08	4.00	14.00	50.0	3
S9335.0 [1]	5.00	0.13	5.00	16.00	50.0	3
S9336.0	6.00	0.13	6.00	19.00	57.0	3
S9337.0	7.00	0.13	8.00	19.00	63.0	3
S9338.0	8.00	0.13	8.00	19.00	63.0	3
S9339.0	9.00	0.13	10.00	21.00	72.0	3
S93310.0	10.00	0.20	10.00	22.00	72.0	3
S93312.0	12.00	0.20	12.00	25.00	73.0	3
S93314.0	14.00	0.20	14.00	30.00	83.0	3
S93316.0	16.00	0.20	16.00	32.00	92.0	3
S93318.0	18.00	0.20	18.00	32.00	92.0	3
S93320.0	20.00	0.30	20.00	38.00	104.0	3

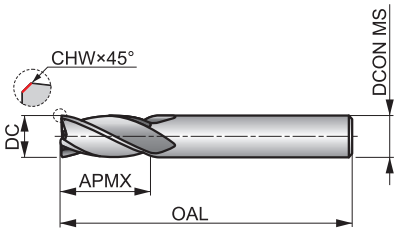
[1] 圆柱刀柄

S904

DORMER

4-刃整硬合金立铣刀

中等切削长度，4-刃设计，具有30°螺旋槽为铣削标准槽提供高刚性。



HM	N	NOF 4
	λ 30°	γ 12°
DIN 6535HA	Bright	DC h12
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	K1.1	K1.2
■106 J	■119 J	■123 J	■91 J	■80 J	◪71 I	■66 J	■53 I	◪45 I	■40 I	◪34 I	◪18 I	■80 J	◪59 J
K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2
◪44 J	■98 J	■80 J	◪64 I	■87 J	■67 J	◪54 I	■81 I	■61 I	◪45 I	◪38 I	◪32 I	■91 I	■69 I
K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1	S1.2
◪53 I	◪355 J	■267 J	■179 J	■179 J	◪160 J	◪115 J	■187 J	■109 J	■56 J	◪187 J	◪72 J	■38 I	◪36 I
S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2							
◪43 I	◪40 I	◪35 I	◪30 I	◪25 I	◪23 I	◪20 I							

DCON MS公差h6; DC ≤ 9.00 mm: CHW ±0.03×45° mm; DC > 9.00 mm: CHW ±0.05×45° mm

产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S9042.0	2.00	0.08	3.00	6.00	38.0	4
S9042.5	2.50	0.08	3.00	9.00	38.0	4
S9043.0	3.00	0.08	3.00	12.00	38.0	4
S9044.0	4.00	0.08	4.00	14.00	50.0	4
S9045.0	5.00	0.13	5.00	16.00	50.0	4
S9046.0	6.00	0.13	6.00	19.00	57.0	4
S9047.0	7.00	0.13	8.00	19.00	63.0	4
S9048.0	8.00	0.13	8.00	19.00	63.0	4
S9049.0	9.00	0.13	10.00	21.00	72.0	4
S90410.0	10.00	0.20	10.00	22.00	72.0	4
S90412.0	12.00	0.20	12.00	25.00	73.0	4
S90414.0	14.00	0.20	14.00	30.00	83.0	4
S90416.0	16.00	0.20	16.00	32.00	92.0	4
S90418.0	18.00	0.20	18.00	32.00	92.0	4
S90420.0	20.00	0.30	20.00	38.00	104.0	4

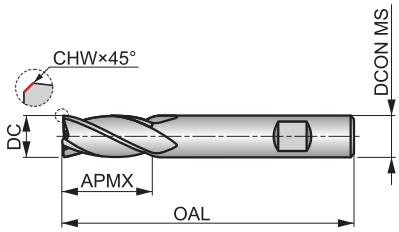
S944

DORMER

4-刃整硬合金立铣刀

中等切削长度，4-刃设计，具有30°螺旋槽为铣削标准槽提供高刚性。圆柱柄为直径5 mm以下。TiALN涂层具有更高的耐高温性能和更长的刀具使用寿命。

HM	N	NOF 4
	λ 30°	γ 12°
DIN 6535HB	TiAlN	DC h12
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从112页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	K1.1	K1.2
■132 J	■148 J	■153 J	■113 J	■100 J	■88 I	■98 J	■79 I	■67 I	■59 I	■50 I	◪41 I	■100 J	■74 J
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
■56 J	■107 J	■87 J	■70 I	■95 J	■72 J	■59 I	■88 I	■67 I	■49 I	■42 I	■35 I	■100 I	■75 I
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**
■58 I	◪296 J	◪222 J	■149 J	■149 J	■133 J	■96 J	■156 J	■91 J	◪47 J	◪156 J	◪60 J	◪64 J	■47 I
S1.2	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**						
◪45 I	◪45 I	◪60 I	◪49 I	◪45 I	◪35 I	◪35 I	◪28 I						

DCON MS公差h6; DC ≤ 9.00 mm: CHW ±0.03×45° mm; DC > 9.00 mm: CHW ±0.05×45° mm
该系列产品有套装提供。请参见S991

产品型号	DC (mm)	CHW (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
S9442.0 [1]	2.00	0.08	3.00	6.00	38.0	4
S9442.5 [1]	2.50	0.08	3.00	9.00	38.0	4
S9443.0 [1]	3.00	0.08	3.00	12.00	38.0	4
S9444.0 [1]	4.00	0.08	4.00	14.00	50.0	4
S9445.0 [1]	5.00	0.13	5.00	16.00	50.0	4
S9446.0	6.00	0.13	6.00	19.00	57.0	4
S9447.0	7.00	0.13	8.00	19.00	63.0	4
S9448.0	8.00	0.13	8.00	19.00	63.0	4
S9449.0	9.00	0.13	10.00	21.00	72.0	4
S94410.0	10.00	0.20	10.00	22.00	72.0	4
S94412.0	12.00	0.20	12.00	25.00	73.0	4
S94414.0	14.00	0.20	14.00	30.00	83.0	4
S94416.0	16.00	0.20	16.00	32.00	92.0	4
S94418.0	18.00	0.20	18.00	32.00	92.0	4
S94420.0	20.00	0.30	20.00	38.00	104.0	4

[1] 圆柱刀柄

S991

整硬合金立铣刀套装

套装有整硬合金方肩铣刀，具有TiALN涂层。包含有S922，S933或S944(2，3或4刃)。套装尺寸范围从Ø3，4，5，6，8和 10 mm。便携塑料容器方便查看。

A=套件中的型号, B=套件中的数量, C=套件中的直径

产品型号	A	B	C
S991SET922	S922	6	3.00 mm, 4.00 mm, 5.00 mm, 6.00 mm, 8.00 mm, 10.00 mm
S991SET933	S933	6	3.00 mm, 4.00 mm, 5.00 mm, 6.00 mm, 8.00 mm, 10.00 mm
S991SET944	S944	6	3.00 mm, 4.00 mm, 5.00 mm, 6.00 mm, 8.00 mm, 10.00 mm

DORMER PRAMET

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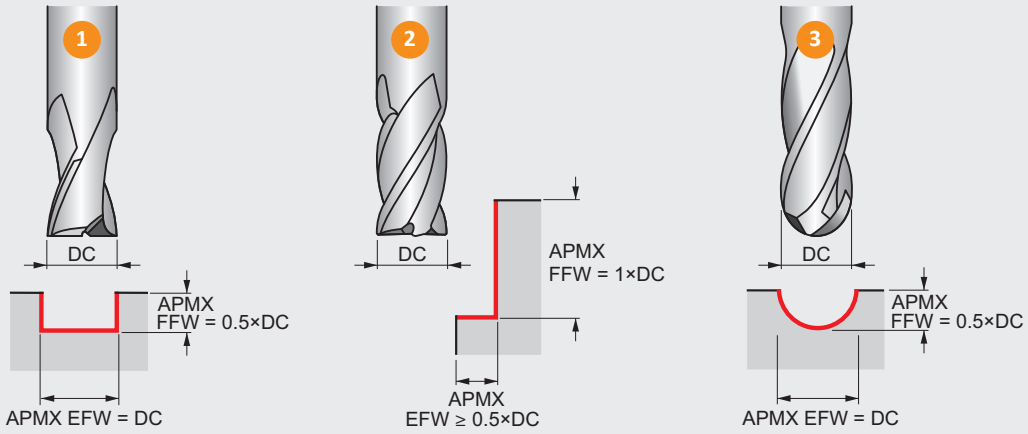
整体式HM铣刀 – 每齿进给量表格



每齿进给量（f_z，单位mm/rev）取决于工况，在这些数值基础上±25%。

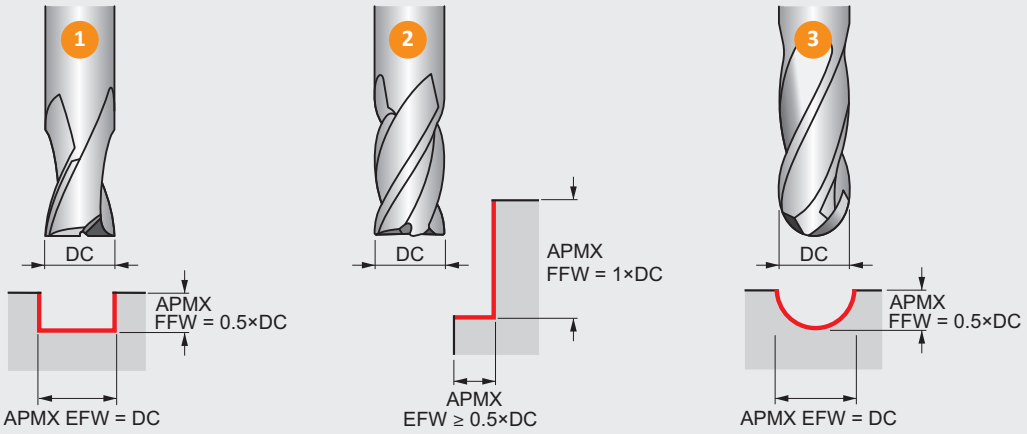
仅当使用具有过中心切削立铣刀对坚固材料进行插铣时，才直接将本表中的数值视为f_n（每转进给）。

如何使用此表格查找每齿进给量（f_z）：
1. 在产品页找到相应的字母代码（示例：199K，“K”为字母代码）。
2. 在表格第一行找到与切削应用最接近的直径。
3. 在表格左列找到相应的字母代码。
4. 直径和字母代码的交点（格）就是每齿进给量（f_z）。

仅用于整硬合金铣削刀具

进给类		øDC(mm)																
		1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	12.00	14.00	16.00	18.00	20.00	22.00	25.00
	A	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.011	0.014	0.015	0.017	0.019	0.021	0.025	0.028
	B	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.011	0.014	0.015	0.017	0.019	0.021	0.025	0.028
	C	0.002	0.003	0.004	0.005	0.006	0.007	0.008	0.009	0.010	0.011	0.014	0.015	0.017	0.019	0.021	0.025	0.028
	D	0.002	0.003	0.004	0.005	0.007	0.008	0.009	0.010	0.011	0.012	0.014	0.015	0.017	0.019	0.021	0.025	0.028
	E	0.002	0.003	0.004	0.008	0.009	0.012	0.013	0.014	0.015	0.016	0.019	0.021	0.024	0.026	0.028	0.030	0.034
	F	0.002	0.003	0.006	0.010	0.013	0.016	0.017	0.019	0.021	0.022	0.026	0.029	0.032	0.035	0.039	0.042	0.047
	G	0.002	0.005	0.008	0.014	0.018	0.022	0.024	0.026	0.028	0.031	0.035	0.040	0.044	0.048	0.053	0.057	0.064
	I	0.003	0.006	0.011	0.019	0.024	0.030	0.032	0.036	0.039	0.042	0.049	0.054	0.061	0.066	0.073	0.079	0.088
	J	0.004	0.009	0.014	0.026	0.033	0.041	0.044	0.048	0.053	0.057	0.066	0.074	0.083	0.090	0.099	0.107	0.120
	K	0.006	0.012	0.019	0.035	0.044	0.054	0.059	0.064	0.070	0.076	0.088	0.098	0.110	0.120	0.132	0.142	0.160
	N	0.008	0.016	0.025	0.047	0.058	0.072	0.078	0.086	0.094	0.101	0.117	0.131	0.146	0.160	0.175	0.189	0.212
	O	0.010	0.021	0.034	0.062	0.078	0.096	0.104	0.114	0.124	0.135	0.156	0.174	0.195	0.213	0.233	0.252	0.283
	P	0.014	0.028	0.045	0.083	0.104	0.128	0.138	0.152	0.166	0.180	0.207	0.231	0.259	0.283	0.311	0.335	0.376
	R	0.018	0.037	0.060	0.110	0.138	0.170	0.184	0.202	0.221	0.239	0.276	0.308	0.345	0.377	0.414	0.446	0.501
	S	0.024	0.049	0.080	0.147	0.183	0.226	0.245	0.269	0.294	0.318	0.367	0.410	0.459	0.502	0.550	0.593	0.667

整体式HM铣刀 – 每齿进给量表格



每齿进给量（IPT或英寸/齿）取决于工况，在这些数值基础上±25%。

仅当使用具有过中心切削立铣刀对坚固材料进行插铣时，才应将本表中的数值视为IPR（每转进给，单位英寸）。

如何使用此表格查找每齿进给量（IPT）：
1. 在产品页找到相应的字母代码（示例：653K，“K”为字母代码）。
2. 在表格第一行找到与切削应用最接近的直径。
3. 在表格左列找到相应的字母代码。
4. 直径和字母代码的交点（格）就是每齿进给量（IPT）。

仅用于整硬合金 铣削 刀具

		øDC(英寸)															
		1/16	3/32	1/8	5/32	3/16	7/32	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1
		.0625	.0938	.1250	.1563	.1875	.2188	.2500	.3125	.3750	.4375	.5000	.5625	.6250	.7500	.8750	1.0000
进给率	A	.0001	.0001	.0002	.0002	.0002	.0002	.0003	.0003	.0004	.0005	.0005	.0006	.0007	.0008	.0010	.0011
	B	.0001	.0001	.0002	.0002	.0002	.0002	.0003	.0003	.0004	.0005	.0005	.0006	.0007	.0008	.0010	.0011
	C	.0001	.0001	.0002	.0002	.0002	.0002	.0003	.0003	.0004	.0005	.0005	.0006	.0007	.0008	.0010	.0011
	D	.0001	.0001	.0002	.0002	.0002	.0003	.0004	.0004	.0004	.0005	.0006	.0006	.0007	.0008	.0010	.0011
	E	.0001	.0001	.0002	.0003	.0004	.0004	.0005	.0006	.0006	.0007	.0007	.0009	.0009	.0011	.0012	.0013
	F	.0001	.0002	.0002	.0004	.0005	.0006	.0006	.0007	.0009	.0009	.0011	.0012	.0013	.0015	.0017	.0019
	G	.0002	.0002	.0004	.0006	.0007	.0007	.0009	.0010	.0012	.0013	.0015	.0016	.0017	.0020	.0023	.0025
	I	.0002	.0003	.0005	.0007	.0009	.0011	.0012	.0014	.0016	.0018	.0020	.0022	.0024	.0028	.0031	.0035
	J	.0003	.0004	.0007	.0010	.0012	.0014	.0017	.0019	.0022	.0024	.0027	.0030	.0032	.0037	.0043	.0047
	K	.0004	.0006	.0009	.0014	.0016	.0019	.0022	.0025	.0029	.0032	.0036	.0040	.0043	.0050	.0056	.0063
	N	.0005	.0007	.0011	.0019	.0022	.0025	.0029	.0034	.0038	.0043	.0048	.0053	.0057	.0066	.0075	.0083
	O	.0006	.0010	.0015	.0024	.0029	.0034	.0039	.0045	.0051	.0057	.0063	.0070	.0076	.0088	.0100	.0111
	P	.0008	.0014	.0020	.0033	.0038	.0045	.0052	.0060	.0068	.0076	.0084	.0094	.0100	.0117	.0133	.0148
	R	.0011	.0018	.0027	.0043	.0051	.0060	.0069	.0080	.0091	.0101	.0112	.0125	.0134	.0156	.0177	.0197
	S	.0015	.0024	.0036	.0058	.0067	.0080	.0091	.0106	.0120	.0135	.0149	.0166	.0178	.0207	.0236	.0263

1 槽铣

以不同切削深度进行槽铣操作时，线速度v_c和每齿进给量f_z的修正系数。

APMX FFW / DC	25 %	50 %	100 %	150 %
X.V	1.25	1.00	0.75	0.50
X.f	1.25	1.00	0.75	0.50

2 方肩铣

进行径向切深小于50%的方肩铣时，线速度v_c和每齿进给量f_z的修正系数。

APMX EFW / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	≥ 50 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.00
X.f	2.29	1.67	1.40	1.25	1.15	1.09	1.02	1.00

建议避免50%径向切深铣削加工。

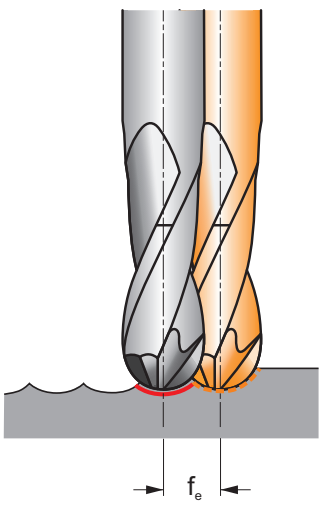
3a 普通仿形铣（球头刀具）

以不同切削深度进行平面仿形铣时，线速度v_c的修正系数

APMX FFW / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %
X.V	2.29	1.67	1.40	1.25	1.15	1.09	1.02	1.00

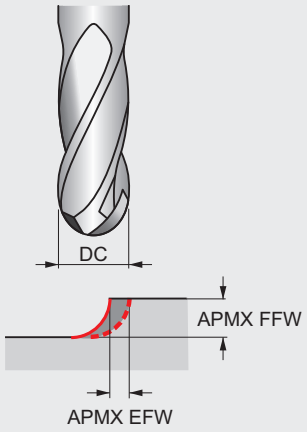
3b

为获得理论表面粗糙度R_{th}进行的行补偿f_e（切削间距）

DC	µm	2	4	8	16	32	63	125	250
2		0.13	0.18	0.25	0.36	0.50	0.70	0.97	1.32
3		0.15	0.22	0.31	0.44	0.62	0.86	1.20	1.66
4		0.18	0.25	0.36	0.50	0.71	1.00	1.39	1.94
5		0.20	0.28	0.40	0.56	0.80	1.12	1.56	2.18
6		0.22	0.31	0.44	0.62	0.87	1.22	1.71	2.40
8		0.25	0.36	0.51	0.71	1.01	1.41	1.98	2.78
10		0.28	0.40	0.57	0.80	1.13	1.58	2.22	3.12
12		0.31	0.44	0.62	0.88	1.24	1.73	2.44	3.43
14		0.33	0.47	0.67	0.95	1.34	1.87	2.63	3.71
16		0.36	0.51	0.72	1.01	1.43	2.00	2.82	3.97
18		0.38	0.54	0.76	1.07	1.52	2.13	2.99	4.21
20		0.40	0.57	0.80	1.13	1.60	2.24	3.15	4.44
22		0.42	0.59	0.84	1.19	1.68	2.35	3.31	4.66
25		0.45	0.63	0.89	1.26	1.79	2.51	3.53	4.97
28		0.47	0.67	0.95	1.34	1.89	2.65	3.73	5.27

仅列出了公制单位（mm）行补偿尺寸

3c



如何利用此表找到平面仿形铣每齿进给量（f_z或IPT）的修正系数：

1. 在表格第一行找到与切削应用最接近的径向切深（APMX EFW / DC）。
3. 在表格左列找到与具体切削操作最接近的轴向切深（APMX FFW / DC）。
4. 径向切深和轴向切深的交点（格）是每齿进给量的修正系数。

平面仿形铣示例：

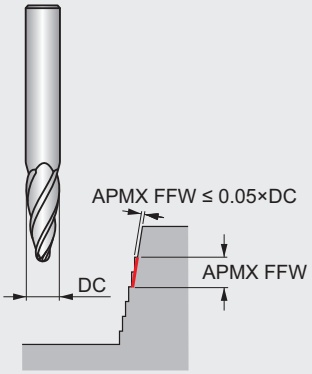
1. 使用切削深度为0.8 mm（APMX FFW）的8 mm球头铣刀，以获得32 µm的理论表面粗糙度。
2. 在表格3a中找到10%轴向切深 = 1.67的线速度修正系数。
3. 在表格3b中找到32 µm R_{th} = 1.01 mm的切削间距。
4. 在表格3b中找到10%轴向切深和1.01 / 8 = 12.6%径向切深的每齿进给量修正系数，此示例中为2.33。

以不同切削深度进行行补偿小于一半直径的平面仿形铣时，每齿进给量f_z的修正系数。

APMX FFW	APMX EFW	5 %	10 %	15 %	20 %	25 %	30 %	35 %	40 %	50 %
5 %		5.26	3.82	3.21	2.87	2.65	2.50	2.40	2.34	2.29
10 %		3.82	2.78	2.33	2.08	1.92	1.82	1.75	1.70	1.67
15 %		3.21	2.33	1.96	1.75	1.62	1.53	1.47	1.43	1.40
20 %		2.87	2.08	1.75	1.56	1.44	1.36	1.31	1.28	1.25
25 %	x.f	2.65	1.92	1.62	1.44	1.33	1.26	1.21	1.18	1.15
30 %	⇨	2.50	1.82	1.53	1.36	1.26	1.19	1.14	1.11	1.09
35 %		2.40	1.75	1.47	1.31	1.21	1.14	1.10	1.07	1.05
40 %		2.34	1.70	1.43	1.28	1.18	1.11	1.07	1.04	1.02
45 %		2.31	1.68	1.41	1.26	1.16	1.10	1.05	1.03	1.01
50 %		2.29	1.67	1.40	1.25	1.15	1.09	1.05	1.02	1.00

要提高表面质量，刀具或表面应倾斜10°– 15°。

整体式HM锥鼓球头铣刀 – 每齿进给量表格



每齿进给量f_z，（ mm/rev ）取决于工况，在这些数值上±25%。

如何使用此表格查找每齿进给量（f_z）：
1. 在产品页找到字母代码（示例：121F，“F”为字母代码）。
2. 在表格第一行找到与切削应用最接近的直径。
3. 在表格左列找到相应的字母代码。
4. 直径和字母代码的交点（格）就是每齿进给量（f_z）。

仅用于HM S791
锥鼓球头铣刀

		øDC(mm)				
		6.00	**8.00**	**10.00**	**12.00**	**16.00**
每齿进给	**E**	0.030	0.039	0.053	0.067	0.096
	F	0.037	0.050	0.064	0.083	0.118
	I	0.062	0.084	0.111	0.141	0.203

HSS-E-PM、HSS-E、HSS铣刀

整体式HSS铣刀 – 刀具材料导航工具

刀具材料		
高速钢	HSS	可加工性及性能均非常卓越的中合金高速钢。高速钢具有良好的硬度、韧度和耐磨性，使其在广泛的应用领域均具有吸引力，例如钻头和丝锥。
钴高速钢	HSS-E	这种高速钢含有钴，用于提高热硬度。HSCo成分兼具良好的韧度和硬度。兼具良好的切削加工性和耐磨性，适合生产钻头、丝锥、铰刀和铣刀。
粉末冶金钴高速钢	HSS-E PM	烧结钴高速钢（HSCo粉末金属）是一种使用粉末冶金技术生产的基体。用这种方式制作基体的刀具将具有出色的韧性和研磨性。

整体式HSS铣刀 – 表面处理和涂层导航工具

表面处理		
光亮处理（无涂层）		光亮处理（表面无涂层）可改善软质金属或有色金属材料的切屑流，并在切削研磨材料时保持切削刃锋利。
蒸汽回火		蒸汽回火使蓝色氧化物表面具有很强的附着力，起到保留切削液和防止切屑熔刀具的作用，从而抵消了积屑瘤的形成。蒸汽回火可应用于任何抛光刀具，但最有效的是用于钻头和丝锥。

表面涂层		
Alcrona涂层（Alcrona）		Alcrona（AlCrN）系列涂层是铝铬氮化物涂层，主要用于铣刀。这些涂层的两个独特特性是高热硬度和高抗氧化性。当用于涉及重型机械和热应力的加工应用刀具时，这些特性则转化为出色的耐磨性。这些涂层有多种级别或特定版本，适用于各种刀具和应用。
氮碳化钛涂层（TiCN）		氮炭化钛是一种采用PVD涂层技术的陶瓷涂层。TiCN比TiN更硬，并且摩擦系数更低。其硬度和韧度以及良好的耐磨性令其成为了铣削领域中提高铣刀性能的主要材料。

材料代码(BMC)		HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E	HSS-E PM	HSS-E
铣刀齿形		N	N	N	N	N	N	N	N	N	N	W	W	N
刃数(NOF)		NOF 2	NOF 2	NOF 2	NOF 2	NOF 2	NOF 3	NOF 3	NOF 3	NOF 3	NOF 3	NOF 2	NOF 3	NOF 2
切削长度														
螺旋槽(FHA)		λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 40°	λ 30°	λ 30°	λ 40°	λ 40°	λ 30°
径向前角度(GAMF)		γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 15°	γ 12°	γ 12°	γ 20°	γ 25°	γ 12°
柄部		DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835A
涂层		Bright	TiCN	Bright	TiCN	Bright	Bright	Alcrona	Alcrona	Bright	Alcrona	Bright	Bright	Bright
切削直径公差等级(TCDC)		DC e8	DC e8	DC e8	DC e8	DC e8	DC e8	DC e8	DC e8	DC e8	DC e8	DC e8	DC k10	DC js14
方向														
基本标准组(BSG)		DIN 327D	DIN 327D	DIN 844K	DIN 844K	DORMER	DIN 327D	DIN 327D	DIN 327D	DIN 844K	DIN 844K	DIN 844K	DIN 844K	DORMER
产品系列代码		C110	C126	C123	C139	C135	C306	C353	C367	C305	C352	C159	C336	C167
		1.00 – 40.00	1.00 – 30.00	1/16 – 30.00	2.00 – 25.00	2.00 – 20.00	3.00 – 30.00	3.00 – 30.00	2.00 – 20.00	2.00 – 32.00	3.00 – 20.00	2.00 – 20.00	10.00 – 30.00	6.00 – 16.00
		126	128	130	132	133	134	135	137	138	140	141	142	143
P	P1	■	■	■	■	■	■	■	■	■	■	◩	◩	■
	P2	◩	■	■	■	◩	■	■	◩	■	■	◩	◩	◩
	P3	◩	■	■	■	◩	◩	■	◩	◩	■			◩
	P4	◩	◩	■	◩	◩	◩	■	◩	◩	■			◩
M	M1	◩	◩	◩	◩	◩	◩	◩	■	◩	◩	◩	◩	◩
	M2	◩	◩	◩	◩	◩	◩	◩	■	◩	◩	◩	◩	◩
	M3		◩		◩			◩	■		◩	◩	◩	
	M4		◩		◩			◩	■		◩			
K	K1	◩	■	◩	■	◩	◩	■		◩	■			◩
	K2	◩	■	◩	■	◩	◩	■		◩	■			◩
	K3	◩	■	◩	■	◩	◩	■		◩	■			◩
	K4	◩	■	◩	■	◩	◩	■		◩	■			◩
	K5	◩	■	◩	■	◩	◩	■		◩	■			◩
N	N1	◩	◩	◩	◩	◩	◩	◩	■	◩	◩	■	■	◩
	N2	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩	■	■	◩
	N3	■	■	■	■	■	■	■	◩	■	■	■	■	■
	N4	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩	■	■	◩
	N5													
S	S1	◩	■	◩	■	◩	◩	■	◩	◩	■	◩	◩	◩
	S2	◩	◩	◩	◩	◩	◩	◩		■	◩			◩
	S3	◩	◩	◩	◩	◩	◩	◩		■	◩			◩
	S4	◩	◩	◩	◩	◩	◩	◩		■	◩			◩
H	H1													
	H2													
	H3													
	H4													

■ 推荐使用 ◩ 可以使用

	C122	C346	C299	C907	C920	C247	C246	C273	C295	C333	C922	C428	C492	C407	C908
	HSS-E	HSS-E	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM	HSS-E PM
	N	N	N	N	N	N	N	N	N	W	HRA	HRA	HRA	NRA	NRA
	NOF 2	NOF 3	NOF 3-4	NOF 3-6	NOF 3-5	NOF 4-8	NOF 4-5	NOF 4-6	NOF 4-6	NOF 3	NOF 3-4	NOF 4-6	NOF 3-6	NOF 4	NOF 4-6
	λ 30°	λ 30°	λ 45°	λ 45°	λ 45°	λ 30°	λ 30°	λ 30°	λ 30°	λ 40°	λ 35°	λ 35°	λ 35°	λ 35°	λ 35°
	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 25°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°
	DIN 1835A	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B
	Bright	Bright	Bright	Alcrona	Alcrona	Bright	TiCN	Bright	TiCN	Bright	Alcrona	Alcrona	Alcrona	Bright	Alcrona
	DC e8	DC e8	DC k10	DC k10	DC k10	DC k10	DC k10	DC k10	DC k10	DC k10	DC k12	DC k12	DC k12	DC k12	DC k12
	DORMER	DIN 844L	DIN 844K	DIN 844K	DIN 844L	DIN 844K	DIN 844K	DIN 844L	DIN 844L	DIN 844L	DIN 844K	DIN 844K	DIN 844L	DIN 844K	DIN 844K
	5.00 – 22.00	3.00 – 20.00	3.00 – 20.00	3.00 – 32.00	6.00 – 25.00	2.00 – 50.00	2.00 – 25.00	2.00 – 40.00	2.00 – 40.00	10.00 – 30.00	6.00 – 32.00	6.00 – 40.00	6.00 – 30.00	6.00 – 20.00	6.00 – 32.00
	144	145	146	147	148	149	151	152	154	155	156	157	158	159	160
P1	■	■				■	■	■	■					■	
P2	◩	◩	■	■	■	■	■	■	■		◩	◩	■	■	■
P3	◩	◩	■	■	■	◩	■	◩	■		■	■	■	■	■
P4	◩	◩	■	■	■	◩	◩	◩	◩		■	■	■	■	■
M1	◩	◩	■	■	■	◩	◩	◩	◩		■	■	■	■	■
M2	◩	◩	■	■	■	◩	◩	◩	◩		■	■	■	■	■
M3			◩	■	■		◩		◩		■	■	■	◩	■
M4			■	■	■		◩		◩		■	■	■	■	■
K1	◩	◩	■	■	■	◩	■	◩	■		■	■	■	■	■
K2	◩	◩	■	■	■	◩	■	◩	■		■	■	■	■	■
K3	◩	◩	■	■	■	◩	■	◩	■		■	■	■	■	■
K4	◩	◩	■	■	■	◩	■	◩	■		■	■	■	■	■
K5	◩	◩	■	■	■	◩	■	◩	■		■	■	■	■	■
N1	◩	◩				◩	◩	◩	◩	■					
N2	◩					◩	◩	◩	◩	■					
N3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
N4	◩	◩				◩	◩	◩	◩	■					
N5															
S1	◩	◩	■	■	■	◩	■	◩	■		■	■	■	■	■
S2	◩	◩	■	■	■	◩	◩	◩	◩		■	■	■	■	■
S3	◩	◩	■	■	■	◩	◩	◩	◩		■	■	■	■	■
S4	◩	◩	■	■	■	◩	◩	◩	◩		■	■	■	■	■
H1															
H2															
H3															
H4															

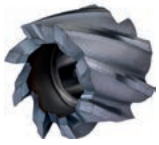
■ 推荐使用　◩ 可以使用

材料代码(BMC)		HSS-E PM	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS-E	HSS	HSS-E	HSS-E	HSS	HSS	HSS-E
铣刀齿形		NRA	NF	NF	NF	N	N	N	N	N	NF	N	N	N
刃数(NOF)		NOF 4-6	NOF 4	NOF 4	NOF 4-6	NOF 2	NOF 2	NOF 6-8	NOF 6-8	NOF 8-12	NOF 6-8	NOF 6-8	NOF 6-8	NOF 10-12
切削长度														
螺旋槽(FHA)		λ 35°	λ 30°	λ 30°	λ 30°	λ 30°	λ 30°	λ 15°	λ 12°	λ 15°	λ 12°	λ 0°	λ 0°	λ 0°
径向前角度(GAMF)		γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 12°	γ 10°	γ 10°	γ 15°	γ 10°	γ 0°	γ 0°	γ 0°
柄部		DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835B	DIN 1835S	DIN 1835D	DIN 1835B	DIN 1835B	DIN 1835D	DIN 1835D	DIN 1835B
涂层		Alcrona	Bright	TiCN	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright
切削直径公差等级(TCDC)		DC k12	DC k12	DC k12	DC k12	DC e8	DC e8	DC d11	DC d11	DC js16	DC d11			DC js16
方向														
基本标准组(BSG)		DIN 844L	DIN 844K	DIN 844K	DIN 844L	DIN 327D	DIN 844K	DIN 851	DORMER	DORMER	DIN 851	DORMER	DORMER	DIN 1833C
产品系列代码		C948	C400	C413	C403	C500	C505	C800	C810	C825	C801	C837	C835	C830
		6.00 – 32.00	6.00 – 20.00	6.00 – 20.00	10.00 – 50.00	2.00 – 25.00	3.00 – 30.00	11.00 – 50.00	12.50 – 40.00	40.00 – 63.00	16.00 – 32.00	13.00 – 38.00	1/2 – 1.1/2	12.00 – 32.00
		161	162	163	164	165	166	167	168	169	170	171	172	173
P	P1		■	■	■	■	■	■	■	■	■	■	■	■
	P2	■	■	■	■	◩	◩	■	■	■	■	■	■	■
	P3	■	◩	■	◩	◩	◩	■	■	■	■	■	■	■
	P4	■	◩	◩	◩	◩	◩	■	◩	■	■	◩	◩	■
M	M1	■	◩	◩	◩	◩	◩	■	■	■	■	■	■	■
	M2	■	◩	◩	◩	◩	◩	■	■	■	■	■	■	■
	M3	■		◩				■	◩	■	■	◩	◩	■
	M4	■		◩				■	◩	■	■	◩	◩	■
K	K1	■	◩	■	◩	◩	◩	■	■	■	■	■	■	■
	K2	■	◩	■	◩	◩	◩	■	■	■	■	■	■	■
	K3	■	◩	■	◩	◩	◩	■	■	■	■	■	■	■
	K4	■	◩	■	◩	◩	◩	■	■	■	■	■	■	■
	K5	■	◩	■	◩	◩	◩	■	■	■	■	■	■	■
N	N1		◩	◩	◩	◩	◩	■	■	■	■	■	■	■
	N2		◩	◩	◩	◩	◩	■	■	■	■	■	■	■
	N3	■	■	■	■	■	■	■	■	■	■	■	■	■
	N4		◩	◩	◩	◩	◩	■	◩	■	■	◩	◩	■
	N5													
S	S1	■	◩	◩	◩	◩	◩	■	◩	■	■	◩	◩	■
	S2	■	◩	◩	◩	◩	◩	■	◩	■	■	◩	◩	■
	S3	■	◩	◩	◩	◩	◩	■	◩	■	■	◩	◩	■
	S4	■	◩	◩	◩	◩	◩	■	◩	■	■	◩	◩	■
H	H1													
	H2													
	H3													
	H4													

■ 推荐使用 ◩ 可以使用

	C831	C710	C700	C822	C820	D200	D763	D745	D747	
	HSS-E	HSS	HSS-E	HSS-E	HSS	HSS-E	HSS-E	HSS	HSS	
	N	N	N	N	N					
	NOF 10-12	NOF 4	NOF 4-6	NOF 6-12	NOF 6-12	NOF 16-24	28-44 NOF	32-100 NOF	48-200 NOF	
	λ 0°	λ 0°	λ 0°	λ 10°	λ 12°	λ 15°	λ 15°			
	γ 0°	γ 0°	γ 0°	γ 10°	γ 10°	γ 10°	γ 10°	γ 15°	γ 5°	
	DIN 1835B	DIN 1835D	DIN 1835B	DIN 1835	DIN 1835D					
	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	
	DC js16			DC h11		DC js16	DC js16			
	DIN 1833D	BS 122/4	DORMER	DIN 850	DORMER	DIN 885A	DIN 885A	DIN 1838	DIN 1837	
	12.00 – 32.00	1/16 – 1/2	1.00 – 20.00	4.50 – 45.50	10.50 – 45.50	50.00 – 125.00	63.00 – 125.00	50.00 – 250.00	32.00 – 200.00	
	174	175	176	177	178	180	181	182	184	
P1	■	■	■	■	■	■	■	■	■	
P2	■	■	■	■	■	■	■	■	■	
P3	■	■	■	■	■	■	■	■	■	
P4	■	◪	■	■	◪	■	■	■	■	
M1	■	■	■	■	■	■	■	◪	◪	
M2	■	■	■	■	■	■	■	◪	◪	
M3	■	■	■	■	■	■	■	◪	◪	
M4	■	◪	■	■	◪	■	■			
K1	■	■	■	■	■	■	■	■	■	
K2	■	■	■	■	■	■	■	■	■	
K3	■	■	■	■	■	■	■	■	■	
K4	■	■	■	■	■	■	■	■	■	
K5	■	■	■	■	■	■	■	■	■	
N1	■	■	■	■	■	■	■	■	■	
N2	■	■	■	■	■	■	■	■	■	
N3	■	■	■	■	■	■	■	■	■	
N4	■			■	◪	■	■	■	■	
N5										
S1	■	■	■	■	◪	■	■			
S2	■	◪	■	■	◪	■	■			
S3	■	◪	■	■	◪	■	■			
S4	■	◪	■	■	◪	■	■			
H1										
H2										
H3										
H4										

■ 推荐使用　◪ 可以使用

材料代码(BMC)		HSS	HSS	HSS	HSS	HSS-E	HSS-E
铣刀齿形						N	N
刃数(NOF)		110-180 NOF	100-140 NOF	130-220 NOF	160-350 NOF	NOF 8	NOF 8
切削长度							
螺旋槽(FHA)						λ 30°	λ 30°
径向前角度(GAMF)		γ 18°	γ 18°	γ 18°	γ 18°	γ 12°	γ 12°
柄部							
涂层		ST	ST	ST	ST	Bright	TiCN
切削直径公差等级(TCDC)						DC js16	DC js16
方向							
基本标准组(BSG)		DORMER	DORMER	DORMER	DORMER	DIN 1880	DIN 1880
							
产品系列代码		D752	D753	D750	D751	D400	D420
		250.00 – 350.00	250.00 – 350.00	200.00 – 350.00	200.00 – 350.00	40.00 – 63.00	40.00 – 63.00
		186	187	188	189	190	191
P	P1	■	■	■	■	■	■
	P2	■	■	■	■	■	■
	P3	■	■	■	■	■	■
	P4	■	■	■	■	◪	■
M	M1	◪	◪	◪	◪	■	■
	M2	◪	◪	◪	◪	■	■
	M3	◪	◪	◪	◪	◪	■
	M4					■	■
K	K1	■	■	■	■	■	■
	K2	■	■	■	■	■	■
	K3	■	■	■	■	■	■
	K4	■	■	■	■	■	■
	K5	■	■	■	■	■	■
N	N1	■	■	■	■	◪	◪
	N2	■	■	■	■	■	■
	N3	■	■	■	■	■	■
	N4	■	■	■	■	◪	◪
	N5						
S	S1					◪	■
	S2					◪	■
	S3					◪	■
	S4					◪	■
H	H1						
	H2						
	H3						
	H4						

■ 推荐使用 ◪ 可以使用

	D402	D422
HSS-E	HSS-E	
NR	NR	
NOF 6-8	NOF 6-8	
λ 30°	λ 30°	
γ 12°	γ 12°	
Bright	TiCN	
DC js16	DC js16	
DIN 1880	DIN 1880	
40.00 – 63.00	40.00 – 63.00	
192	193	
P1 ■	P1 ■	
P2 ■	P2 ■	
P3 ■	P3 ■	
P4 ◩	P4 ■	
M1 ■	M1 ■	
M2 ■	M2 ■	
M3 ◩	M3 ■	
M4 ■	M4 ■	
K1 ■	K1 ■	
K2 ■	K2 ■	
K3 ■	K3 ■	
K4 ■	K4 ■	
K5 ■	K5 ■	
N1 ◩	N1 ◩	
N2 ■	N2 ■	
N3 ■	N3 ■	
N4 ◩	N4 ◩	
N5	N5	
S1 ◩	S1 ■	
S2 ◩	S2 ■	
S3 ◩	S3 ■	
S4 ◩	S4 ■	
H1	H1	
H2	H2	
H3	H3	
H4	H4	

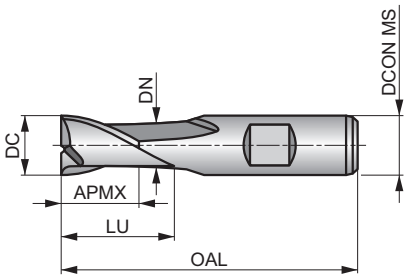
■ 推荐使用　◩ 可以使用

C110

DORMER

2-刃HSS-E-PM(粉末冶金钴高速钢)槽铣刀，光亮

超短切削长度，2-刃设计提供了高刚性。适用于铣削浅槽铣和坡走铣。而精确的直径意味着铣削标准键槽达到P9公差。用途广泛，可用于低碳钢，有色金属和中等强度钛合金。



HSS-E PM	N	NOF 2
	λ 30°	γ 12°
DIN 1835B	Bright	DC e8
	DIN 327D	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■53 E	■59 E	■61 E	■45 E	◪40 E	◪37 E	◪30 D	◪22 D	◪41 E	◪35 E	◪37 E	◪30 D	◪35 E	◪26 E
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪19 E	◪62 E	◪50 E	◪40 D	◪54 E	◪42 E	◪34 D	◪50 D	◪38 D	◪28 D	◪24 C	◪20 C	◪57 D	◪43 D
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪33 D	◪95 G	◪71 F	◪48 F	◪48 E	◪43 E	◪31 E	■50 E	■29 E	■15 E	◪50 E	■35 D	◪25 D	◪20 C
S3.1	**S4.1**												
◪15 C	◪12 C												

DCON MS公差h6

产品型号	DC (inch)	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C1101.0	–	1.00	6.00	2.50	47.0	2	–	–
C1101.5	–	1.50	6.00	3.00	47.0	2	–	–
C1101/16	1/16	1.59	6.00	3.00	47.0	2	–	–
C1101.8	–	1.80	6.00	4.00	48.0	2	–	–
C1102.0	–	2.00	6.00	4.00	48.0	2	–	–
C1103/32	3/32	2.38	6.00	5.00	49.0	2	–	–
C1102.5	–	2.50	6.00	5.00	49.0	2	–	–
C1102.8	–	2.80	6.00	5.00	49.0	2	–	–
C1103.0	–	3.00	6.00	5.00	49.0	2	–	–
C1101/8	1/8	3.18	6.00	6.00	50.0	2	–	–
C1103.5	–	3.50	6.00	6.00	50.0	2	–	–
C1103.8	–	3.80	6.00	7.00	51.0	2	–	–
C1104.0	–	4.00	6.00	7.00	51.0	2	–	–
C1104.5	–	4.50	6.00	7.00	51.0	2	–	–
C1103/16	3/16	4.76	6.00	8.00	52.0	2	–	–
C1104.8 [2)]	–	4.80	6.00	8.00	52.0	2	–	–
C1105.0	–	5.00	6.00	8.00	52.0	2	–	–
C1105.5	–	5.50	6.00	8.00	52.0	2	–	–
C1105.75 [2)]	–	5.75	6.00	8.00	52.0	2	–	–
C1106.0	–	6.00	6.00	8.00	52.0	2	–	–
C1101/4	1/4	6.35	10.00	10.00	60.0	2	–	–
C1106.5	–	6.50	10.00	10.00	60.0	2	–	–
C1107.0	–	7.00	10.00	10.00	60.0	2	–	–
C1107.5	–	7.50	10.00	10.00	60.0	2	–	–
C1107.75 [2)]	–	7.75	10.00	11.00	61.0	2	–	–

产品型号	DC	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(inch)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C1105/16	5/16	7.94	10.00	11.00	61.0	2	–	–
C1108.0	–	8.00	10.00	11.00	61.0	2	–	–
C1108.5	–	8.50	10.00	11.00	61.0	2	–	–
C1109.0	–	9.00	10.00	11.00	61.0	2	–	–
C1109.5	–	9.50	10.00	11.00	61.0	2	–	–
C1103/8	3/8	9.52	10.00	13.00	63.0	2	22.50	9.50
C11010.0	–	10.00	10.00	13.00	63.0	2	22.50	9.50
C11013/32	13/32	10.32	12.00	13.00	70.0	2	–	–
C11010.5	–	10.50	12.00	13.00	70.0	2	–	–
C11011.0	–	11.00	12.00	13.00	70.0	2	–	–
C1107/16	7/16	11.11	12.00	13.00	70.0	2	–	–
C11011.5	–	11.50	12.00	13.00	70.0	2	–	–
C11012.0	–	12.00	12.00	16.00	73.0	2	27.50	11.50
C11012.5	–	12.50	12.00	16.00	73.0	2	27.50	11.50
C1101/2	1/2	12.70	12.00	16.00	73.0	2	27.50	11.50
C11013.0	–	13.00	12.00	16.00	73.0	2	27.50	11.50
C11017/32	17/32	13.49	12.00	16.00	73.0	2	27.50	11.50
C11014.0	–	14.00	12.00	16.00	73.0	2	27.50	11.50
C1109/16	9/16	14.29	12.00	16.00	73.0	2	27.50	11.50
C11015.0	–	15.00	12.00	16.00	73.0	2	27.50	11.50
C1105/8	5/8	15.88	16.00	19.00	79.0	2	30.50	15.50
C11016.0	–	16.00	16.00	19.00	79.0	2	30.50	15.50
C11017.0	–	17.00	16.00	19.00	79.0	2	30.50	15.50
C11011/16	11/16	17.46	16.00	19.00	79.0	2	30.50	15.50
C11018.0	–	18.00	16.00	19.00	79.0	2	30.50	15.50
C11019.0	–	19.00	16.00	19.00	79.0	2	30.50	15.50
C1103/4	3/4	19.05	20.00	22.00	88.0	2	37.50	18.50
C11020.0	–	20.00	20.00	22.00	88.0	2	37.50	19.50
C11022.0	–	22.00	20.00	22.00	88.0	2	37.50	19.50
C1107/8	7/8	22.22	20.00	22.00	88.0	2	37.50	19.50
C11024.0	–	24.00	25.00	26.00	102.0	2	45.50	23.50
C11025.0	–	25.00	25.00	26.00	102.0	2	45.50	24.50
C1101	1″	25.40	25.00	26.00	102.0	2	45.50	24.50
C11026.0	–	26.00	25.00	26.00	102.0	2	45.50	24.50
C11028.0	–	28.00	25.00	26.00	102.0	2	45.50	24.50
C11030.0	–	30.00	25.00	26.00	102.0	2	45.50	24.50
C11032.0	–	32.00	32.00	32.00	112.0	2	51.50	31.50
C11035.0 [1]	–	35.00	32.00	32.00	112.0	2	51.50	31.50
C11036.0 [1]	–	36.00	32.00	32.00	112.0	2	51.50	31.50
C11040.0 [1]	–	40.00	40.00	38.00	130.0	2	59.50	39.00

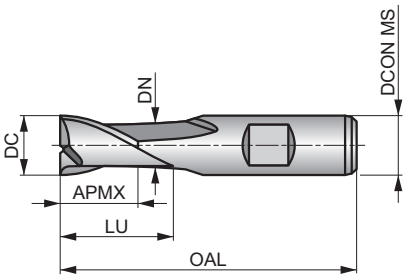
[1] DC 公差h10; 只能提供HSS-E产品.
[2] DC 公差h10; 公差P9的二刃立铣刀.

C126

DORMER

2-刃HSS-E-PM(粉末冶金钴高速钢)槽铣刀，TiCN涂层

超短切削长度，2-刃设计提供了高刚性。适用于铣削浅槽铣和坡走铣。而精确的直径意味着铣削标准键槽达到P9公差。TiCN涂层延长刀具寿命和提高性能，尤其在铣削硬材料和耐磨材料时。



HSS-E PM	N	NOF 2
	λ 30°	γ 12°
DIN 1835B	TiCN	DC e8
	DIN 327D	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■126 E	■141 E	■146 E	■108 E	■95 E	◪84 D	■81 E	■65 D	◪55 D	■48 D	◪41 D	◪34 D	◪62 E	◪52 E
M2.1	M2.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1
◪55 E	◪45 D	◪26 C	◪25 C	■60 E	■44 E	■33 E	■111 E	■90 E	■72 D	■98 E	■75 E	■61 D	■91 D
K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1
■68 D	■50 D	■43 C	■36 C	■103 D	■77 D	■60 D	◪177 G	◪133 F	◪89 F	◪89 E	■80 E	■57 E	■93 E
N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2		
■55 E	■28 E	◪93 E	■45 D	■40 D	◪15 C	■33 C	◪14 C	■25 C	◪10 C	■20 C	◪8 C		

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C1261.0	1.00	6.00	2.50	47.0	2	–	–
C1261.5	1.50	6.00	3.00	47.0	2	–	–
C1262.0	2.00	6.00	4.00	48.0	2	–	–
C1262.5	2.50	6.00	5.00	49.0	2	–	–
C1263.0	3.00	6.00	5.00	49.0	2	–	–
C1263.5	3.50	6.00	6.00	50.0	2	–	–
C1264.0	4.00	6.00	7.00	51.0	2	–	–
C1264.5	4.50	6.00	7.00	51.0	2	–	–
C1265.0	5.00	6.00	8.00	52.0	2	–	–
C1265.5	5.50	6.00	8.00	52.0	2	–	–
C1266.0	6.00	6.00	8.00	52.0	2	–	–
C1266.5	6.50	10.00	10.00	60.0	2	–	–
C1267.0	7.00	10.00	10.00	60.0	2	–	–
C1267.5	7.50	10.00	10.00	60.0	2	–	–
C1268.0	8.00	10.00	11.00	61.0	2	–	–
C1268.5	8.50	10.00	11.00	61.0	2	–	–
C1269.0	9.00	10.00	11.00	61.0	2	–	–
C1269.5	9.50	10.00	11.00	61.0	2	–	–
C12610.0	10.00	10.00	13.00	63.0	2	22.50	9.50
C12610.5	10.50	12.00	13.00	70.0	2	–	–
C12611.0	11.00	12.00	13.00	70.0	2	–	–
C12611.5	11.50	12.00	13.00	70.0	2	–	–
C12612.0	12.00	12.00	16.00	73.0	2	27.50	11.50
C12612.5	12.50	12.00	16.00	73.0	2	27.50	11.50
C12613.0	13.00	12.00	16.00	73.0	2	27.50	11.50

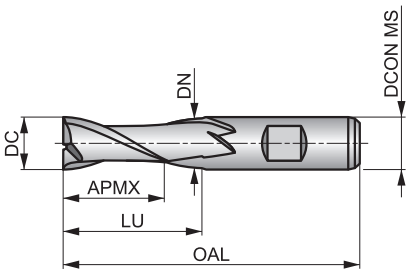
产品型号	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C12614.0	14.00	12.00	16.00	73.0	2	27.50	11.50
C12615.0	15.00	12.00	16.00	73.0	2	27.50	11.50
C12616.0	16.00	16.00	19.00	79.0	2	30.50	15.50
C12618.0	18.00	16.00	19.00	79.0	2	30.50	15.50
C12620.0	20.00	20.00	22.00	88.0	2	37.50	19.50
C12622.0	22.00	20.00	22.00	88.0	2	37.50	19.50
C12624.0	24.00	25.00	26.00	102.0	2	45.50	23.50
C12625.0	25.00	25.00	26.00	102.0	2	45.50	24.50
C12630.0	30.00	25.00	26.00	102.0	2	45.50	24.50

C123

DORMER

2-刃HSS-E-PM(粉末冶金钴高速钢)槽铣刀，光亮

短切削长度，2-刃设计提供了高刚性。适用于铣削浅槽铣和坡走铣。而精确的直径意味着铣削标准键槽达到P9公差。用途广泛，可用于低碳钢，有色金属和中等强度钛合金。



HSS-E PM	N	NOF 2
	λ 30°	γ 12°
DIN 1835B	Bright	DC e8
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■53 D	■59 D	■61 D	■45 D	■40 D	■37 D	■30 C	■22 C	◪34 D	◪29 D	◪31 D	◪25 C	◪30 D	◪22 D
K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2
◪17 D	◪55 D	◪45 D	◪36 C	◪49 D	◪37 D	◪30 B	◪45 C	◪34 C	◪25 C	◪22 B	◪18 B	◪51 C	◪39 C
K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S2.1
◪30 C	◪95 F	◪71 E	◪48 E	◪48 D	◪43 D	◪31 D	■50 D	■29 D	■15 D	◪50 D	■30 C	◪25 C	◪20 B
S3.1	S4.1												
◪15 B	◪12 B												

DCON MS公差h6

产品型号	DC (inch)	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C1231/16 [1]	1/16	1.59	6.00	7.00	51.0	2	–	–
C1232.0	–	2.00	6.00	7.00	51.0	2	–	–
C1232.5	–	2.50	6.00	8.00	52.0	2	–	–
C1233.0	–	3.00	6.00	8.00	52.0	2	–	–
C1231/8 [1]	1/8	3.18	6.00	10.00	54.0	2	–	–
C1233.5	–	3.50	6.00	10.00	54.0	2	–	–
C1235/32 [1]	5/32	3.97	6.00	11.00	55.0	2	–	–
C1234.0	–	4.00	6.00	11.00	55.0	2	–	–
C1234.5	–	4.50	6.00	11.00	55.0	2	–	–
C1233/16 [1]	3/16	4.76	6.00	13.00	57.0	2	–	–
C1235.0	–	5.00	6.00	13.00	57.0	2	–	–
C1235.5	–	5.50	6.00	13.00	57.0	2	–	–
C1236.0	–	6.00	6.00	13.00	57.0	2	–	–
C1231/4 [1]	1/4	6.35	10.00	16.00	66.0	2	–	–
C1236.5	–	6.50	10.00	16.00	66.0	2	–	–
C1237.0	–	7.00	10.00	16.00	66.0	2	–	–
C1237.5	–	7.50	10.00	16.00	66.0	2	–	–
C1235/16 [1]	5/16	7.94	10.00	19.00	69.0	2	–	–
C1238.0	–	8.00	10.00	19.00	69.0	2	–	–
C1238.5	–	8.50	10.00	19.00	69.0	2	–	–
C1239.0	–	9.00	10.00	19.00	69.0	2	–	–
C1239.5	–	9.50	10.00	19.00	69.0	2	–	–
C1233/8 [1]	3/8	9.52	10.00	22.00	72.0	2	31.50	9.50
C12310.0	–	10.00	10.00	22.00	72.0	2	31.50	9.50
C12311.0	–	11.00	12.00	22.00	79.0	2	–	–

产品型号	DC	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(inch)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C12312.0	–	12.00	12.00	26.00	83.0	2	37.50	11.50
C1231/2 [1)]	1/2	12.70	12.00	26.00	83.0	2	37.50	11.50
C12313.0	–	13.00	12.00	26.00	83.0	2	37.50	11.50
C12314.0	–	14.00	12.00	26.00	83.0	2	37.50	11.50
C12315.0	–	15.00	12.00	26.00	83.0	2	37.50	11.50
C12316.0	–	16.00	16.00	32.00	92.0	2	43.50	15.50
C12318.0	–	18.00	16.00	32.00	92.0	2	43.50	15.50
C12320.0	–	20.00	20.00	38.00	104.0	2	53.50	19.50
C12322.0	–	22.00	20.00	38.00	104.0	2	53.50	19.50
C12325.0	–	25.00	25.00	45.00	121.0	2	64.50	24.50
C12330.0	–	30.00	25.00	45.00	121.0	2	64.50	24.50

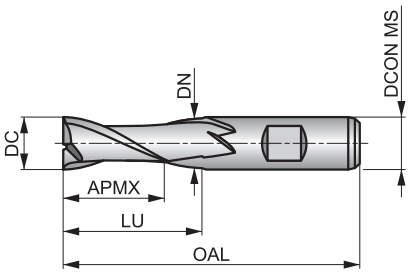
[1)] DC 公差-0.0005 英寸/-0.0013 英寸.

C139

DORMER

2-刃HSS-E-PM(粉末冶金钴高速钢)槽铣刀，TiCN涂层

短切削长度，2-刃设计提供了高刚性。适用于铣削浅槽铣和坡走铣。而精确的直径意味着铣削标准键槽达到P9公差。TiCN涂层增加刀具的使用寿命和提高性能，尤其在铣削硬材料和耐磨材料时。



HSS-E PM	N	NOF 2
	λ 30°	γ 12°
DIN 1835B	TiCN	DC e8
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■113 D	■126 D	■131 D	■97 D	■85 D	◪75 C	■74 D	■59 C	◪50 C	■44 C	◪37 C	◪31 C	◪62 D	◪52 D
M2.1	M2.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1
◪55 D	◪45 C	◪26 B	◪25 B	■55 D	■41 D	■31 D	■98 D	■80 D	■64 C	■87 D	■67 D	■54 B	■81 C
K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1
■61 C	■45 C	■38 B	■32 B	■91 C	■69 C	■53 C	◪159 F	◪120 E	◪80 E	◪80 D	■72 D	■51 D	■84 D
N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2		
■50 D	■25 D	◪84 D	■45 C	■35 C	◪15 B	■33 B	◪14 B	■25 B	◪10 B	■20 B	◪8 B		

DCON MS公差h6

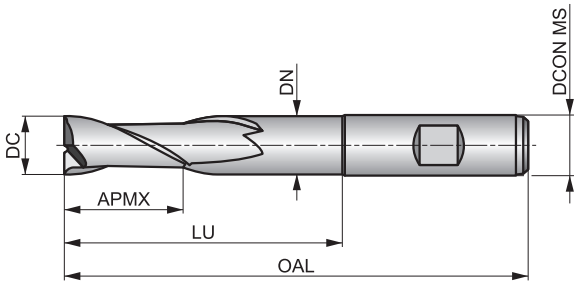
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C1392.0	2.00	6.00	7.00	51.0	2	–	–
C1393.0	3.00	6.00	8.00	52.0	2	–	–
C1394.0	4.00	6.00	11.00	55.0	2	–	–
C1395.0	5.00	6.00	13.00	57.0	2	–	–
C1395.5	5.50	6.00	13.00	57.0	2	–	–
C1396.0	6.00	6.00	13.00	57.0	2	–	–
C1396.5	6.50	10.00	16.00	66.0	2	–	–
C1397.0	7.00	10.00	16.00	66.0	2	–	–
C1397.5	7.50	10.00	16.00	66.0	2	–	–
C1398.0	8.00	10.00	19.00	69.0	2	–	–
C1398.5	8.50	10.00	19.00	69.0	2	–	–
C1399.0	9.00	10.00	19.00	69.0	2	–	–
C1399.5	9.50	10.00	19.00	69.0	2	–	–
C13910.0	10.00	10.00	22.00	72.0	2	31.50	9.50
C13911.0	11.00	12.00	22.00	79.0	2	–	–
C13912.0	12.00	12.00	26.00	83.0	2	37.50	11.50
C13913.0	13.00	12.00	26.00	83.0	2	37.50	11.50
C13914.0	14.00	12.00	26.00	83.0	2	37.50	11.50
C13915.0	15.00	12.00	26.00	83.0	2	37.50	11.50
C13916.0	16.00	16.00	32.00	92.0	2	43.50	15.50
C13918.0	18.00	16.00	32.00	92.0	2	43.50	15.50
C13920.0	20.00	20.00	38.00	104.0	2	53.50	19.50
C13922.0	22.00	20.00	38.00	104.0	2	53.50	19.50
C13925.0	25.00	25.00	45.00	121.0	2	64.50	24.50

C135

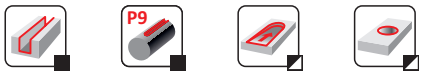
DORMER

2-刃HSS-E超长悬伸 槽铣刀，光亮

短切削长度，2-刃设计为铣削标准槽提供高刚性，达到P9公差尺寸。在难以到达的区域提供增加强度和降低振动。可用于低碳钢和有色金属。



HSS-E	N	NOF 2
	λ 30°	γ 12°
DIN 1835B	Bright	DC e8
	DORMER	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■46 C	■52 C	■54 C	■40 C	◪35 C	◪32 C	◪26 B	◪19 B	◪34 C	◪29 C	◪31 C	◪25 B	◪30 C	◪22 C
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪17 C	◪49 C	◪40 C	◪32 B	◪44 C	◪33 C	◪27 A	◪40 B	◪30 B	◪22 B	◪19 A	◪16 A	◪46 B	◪34 B
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪27 B	◪81 E	◪60 D	◪41 D	◪41 C	◪37 C	◪26 C	■43 C	■25 C	■13 C	◪43 C	◪30 B	◪25 B	◪20 A
S3.1	**S4.1**												
◪15 A	◪12 A												

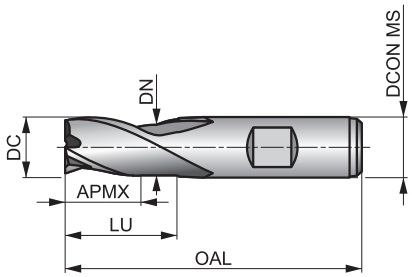
DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C1352.0	2.00	6.00	7.00	54.0	2	18.00	1.80
C1353.0	3.00	6.00	8.00	56.0	2	20.00	2.80
C1354.0	4.00	6.00	11.00	63.0	2	27.00	3.70
C1355.0	5.00	6.00	13.00	68.0	2	32.00	4.70
C1356.0	6.00	6.00	13.00	68.0	2	32.00	5.70
C1358.0	8.00	10.00	19.00	88.0	2	48.00	7.50
C13510.0	10.00	10.00	22.00	95.0	2	54.50	9.50
C13512.0	12.00	12.00	26.00	110.0	2	64.50	11.50
C13514.0	14.00	12.00	26.00	110.0	2	64.50	11.50
C13516.0	16.00	16.00	32.00	123.0	2	74.50	15.50
C13518.0	18.00	16.00	32.00	123.0	2	74.50	15.50
C13520.0	20.00	20.00	38.00	141.0	2	90.50	19.50

C306

3-刃HSS-E-PM(粉末冶金钴高速钢)槽铣刀，光亮

超短切削长度，3-刃设计提供了高刚性和is，适用于铣削浅槽铣和坡走铣。而精确的直径意味着铣削标准键槽达到P9公差。用途广泛，可用于低碳钢，和有色金属。.



HSS-E PM	N	NOF 3
	λ 30°	γ 12°
DIN 1835B	Bright	DC e8
	DIN 327D	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■54 E	■61 E	■63 E	■47 E	■41 E	◪38 E	◪31 D	◪23 D	◪36 E	◪30 E	◪32 E	◪26 D	◪32 E	◪24 E
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪18 E	◪59 E	◪48 E	◪38 D	◪52 E	◪40 E	◪32 D	◪48 D	◪37 D	◪27 D	◪23 C	◪19 C	◪55 D	◪41 D
K5.3	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**
◪32 D	◪50 F	◪50 E	◪45 E	◪32 E	■52 E	■30 E	■16 E	◪52 E	■33 D	◪26 D	◪20 C	◪15 C	◪12 C

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C3063.0	3.00	6.00	5.00	49.0	3	–	–
C3064.0	4.00	6.00	7.00	51.0	3	–	–
C3065.0	5.00	6.00	8.00	52.0	3	–	–
C3066.0	6.00	6.00	8.00	52.0	3	–	–
C3067.0	7.00	10.00	10.00	60.0	3	–	–
C3068.0	8.00	10.00	11.00	61.0	3	–	–
C3069.0	9.00	10.00	11.00	61.0	3	–	–
C3069.5	9.50	10.00	11.00	61.0	3	–	–
C30610.0	10.00	10.00	13.00	63.0	3	22.50	9.50
C30611.0	11.00	12.00	13.00	70.0	3	–	–
C30612.0	12.00	12.00	16.00	73.0	3	27.50	11.50
C30614.0	14.00	12.00	16.00	73.0	3	27.50	11.50
C30615.0	15.00	12.00	16.00	73.0	3	27.50	11.50
C30616.0	16.00	16.00	19.00	79.0	3	30.50	15.50
C30618.0	18.00	16.00	19.00	79.0	3	30.50	15.50
C30620.0	20.00	20.00	22.00	88.0	3	37.50	19.50
C30622.0	22.00	20.00	22.00	88.0	3	37.50	19.50
C30625.0	25.00	25.00	26.00	102.0	3	45.50	24.50
C30630.0	30.00	25.00	26.00	102.0	3	45.50	24.50

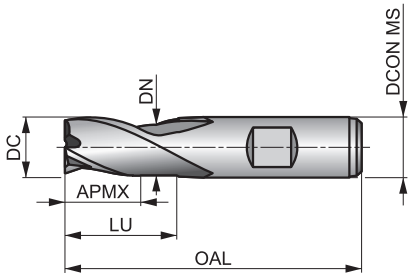
C353

DORMER

3-刃HSS-E-PM(粉末冶金钻高速钢)槽铣刀，Alcrona涂层

超短切削长度，3-刃设计提供了高刚性和is，适用于铣削浅槽铣和坡走铣。而精确的直径意味着铣削标准键槽达到P9公差。Alcrona涂层提高性能和延长刀具寿命。

HSS-E PM	N	NOF 3
	λ 30°	γ 12°
DIN 1835B	Alcrona	DC e8
	DIN 327D	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■133 E	■148 E	■154 E	■114 E	■100 E	■88 D	■88 E	■71 D	■60 D	■53 D	■45 D	◪37 D	◪69 E	◪58 E
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
◪61 E	◪50 D	◪52 D	◪45 D	◪41 C	◪30 C	■65 E	■48 E	■36 E	■117 E	■95 E	■76 D	■103 E	■79 E
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.3	N2.1	N2.2	N2.3	N3.1
■64 D	■96 D	■72 D	■53 D	■45 C	■38 C	■108 D	■82 D	■63 D	◪89 F	◪89 E	■80 E	■57 E	■93 E
N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2		
■55 E	■28 E	◪93 E	■50 D	■40 D	◪20 C	■40 C	◪21 C	■30 C	◪15 C	■23 C	◪12 C		

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C3533.0	3.00	6.00	5.00	49.0	3	–	–
C3533.5	3.50	6.00	6.00	50.0	3	–	–
C3534.0	4.00	6.00	7.00	51.0	3	–	–
C3534.5	4.50	6.00	7.00	51.0	3	–	–
C3534.8 [1)]	4.80	6.00	8.00	52.0	3	–	–
C3535.0	5.00	6.00	8.00	52.0	3	–	–
C3535.5	5.50	6.00	8.00	52.0	3	–	–
C3536.0	6.00	6.00	8.00	52.0	3	–	–
C3536.5	6.50	10.00	10.00	60.0	3	–	–
C3537.0	7.00	10.00	10.00	60.0	3	–	–
C3537.5	7.50	10.00	10.00	60.0	3	–	–
C3537.75 [1)]	7.75	10.00	11.00	61.0	3	–	–
C3538.0	8.00	10.00	11.00	61.0	3	–	–
C3538.5	8.50	10.00	11.00	61.0	3	–	–
C3539.0	9.00	10.00	11.00	61.0	3	–	–
C3539.5	9.50	10.00	11.00	61.0	3	–	–
C35310.0	10.00	10.00	13.00	63.0	3	22.50	9.50
C35311.0	11.00	12.00	13.00	70.0	3	–	–
C35312.0	12.00	12.00	16.00	73.0	3	27.50	11.50
C35313.0	13.00	12.00	16.00	73.0	3	27.50	11.50
C35314.0	14.00	12.00	16.00	73.0	3	27.50	11.50
C35315.0	15.00	12.00	16.00	73.0	3	27.50	11.50
C35316.0	16.00	16.00	19.00	79.0	3	30.50	15.50
C35318.0	18.00	16.00	19.00	79.0	3	30.50	15.50
C35320.0	20.00	20.00	22.00	88.0	3	37.50	19.50

产品型号	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C35322.0	22.00	20.00	22.00	88.0	3	37.50	19.50
C35325.0	25.00	25.00	26.00	102.0	3	45.50	24.50
C35328.0	28.00	25.00	26.00	102.0	3	45.50	24.50
C35330.0	30.00	25.00	26.00	102.0	3	45.50	24.50

[1] DC 公差h10.

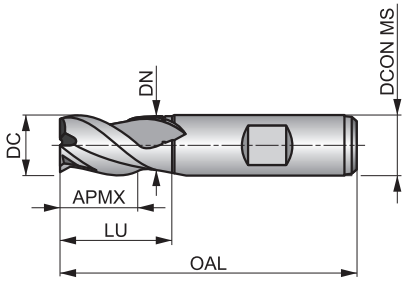
C367

DORMER

3-刃HSS-E-PM(粉末冶金钻高速钢)槽铣刀，Alcrona涂层

超短切削长度，3-刃设计，具有一个40°螺旋槽。锐利的槽型设计用于加工低碳钢低碳钢，特别是中到高强度不锈钢和低有色金属。而精确的直径意味着铣削标准键槽达到P9公差。Alcrona涂层延长刀具寿命。

HSS-E PM	N	NOF 3
	λ 40°	γ 15°
DIN 1835B	Alcrona	DC e8
	DIN 327D	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	M2.3	M3.1
■135 E	■151 E	■157 E	■116 E	◪102 E	◪94 E	◪75 D	◪56 D	■92 E	■78 E	■82 E	■67 D	■56 D	■64 D
M3.2	**M3.3**	**M4.1**	**M4.2**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**
■55 D	■50 C	■35 C	■30 C	■177 G	■133 F	◪89 F	◪89 E	◪80 E	◪57 E	◪93 E	◪55 E	■28 E	◪93 E
S1.1													
◪50 D													

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C3672.0	2.00	6.00	4.00	48.0	3	–	–
C3673.0	3.00	6.00	5.00	49.0	3	–	–
C3674.0	4.00	6.00	7.00	51.0	3	–	–
C3675.0	5.00	6.00	8.00	52.0	3	–	–
C3676.0	6.00	6.00	8.00	52.0	3	–	–
C3677.0	7.00	10.00	10.00	60.0	3	–	–
C3678.0	8.00	10.00	11.00	61.0	3	–	–
C36710.0	10.00	10.00	13.00	63.0	3	22.50	9.50
C36711.0	11.00	12.00	13.00	70.0	3	–	–
C36712.0	12.00	12.00	16.00	73.0	3	27.50	11.50
C36714.0	14.00	12.00	16.00	73.0	3	27.50	11.50
C36716.0	16.00	16.00	19.00	79.0	3	30.50	15.50
C36718.0	18.00	16.00	19.00	79.0	3	30.50	15.50
C36720.0	20.00	20.00	22.00	88.0	3	37.50	19.50

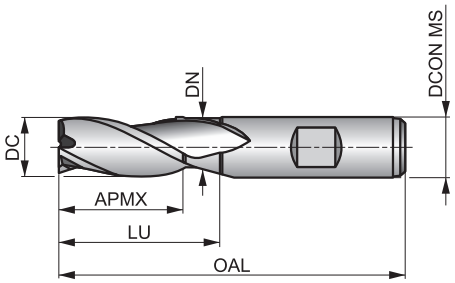
C305

DORMER

3-刃HSS-E-PM(粉末冶金钴高速钢)槽铣刀，光亮

短切削长度，3-刃设计提供了高刚性，用于铣削槽，而精确的直径意味着铣削标准键槽达到P9公差，也适合坡走铣和轮廓铣削低碳钢，有色金属和中等强度高温合金。

HSS-E PM	N	NOF 3
	λ 30°	γ 12°
DIN 1835B	Bright	DC e8
	DIN 844K	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■52 D	■58 D	■60 D	■44 D	■39 D	◪36 D	◪29 C	◪21 C	◪36 D	◪30 D	◪32 D	◪26 C	◪30 D	◪22 D
K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2
◪17 D	◪55 D	◪45 D	◪36 C	◪49 D	◪37 D	◪30 B	◪45 C	◪34 C	◪25 C	◪22 B	◪18 B	◪51 C	◪39 C
K5.3	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S2.1	S3.1	S4.1
◪30 C	◪48 E	◪48 D	◪43 D	◪31 D	■50 D	■29 D	■15 D	◪50 D	■29 C	◪24 C	■17 B	■13 B	■10 B

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C3052.0	2.00	6.00	7.00	51.0	3	–	–
C3052.5	2.50	6.00	8.00	52.0	3	–	–
C3053.0	3.00	6.00	8.00	52.0	3	–	–
C3053.5	3.50	6.00	10.00	54.0	3	–	–
C3054.0	4.00	6.00	11.00	55.0	3	–	–
C3054.5	4.50	6.00	11.00	55.0	3	–	–
C3055.0	5.00	6.00	13.00	57.0	3	–	–
C3055.5	5.50	6.00	13.00	57.0	3	–	–
C3056.0	6.00	6.00	13.00	57.0	3	–	–
C3056.5	6.50	10.00	16.00	66.0	3	–	–
C3057.0	7.00	10.00	16.00	66.0	3	–	–
C3057.5	7.50	10.00	16.00	66.0	3	–	–
C3058.0	8.00	10.00	19.00	69.0	3	–	–
C3058.5	8.50	10.00	19.00	69.0	3	–	–
C3059.0	9.00	10.00	19.00	69.0	3	–	–
C30510.0	10.00	10.00	22.00	72.0	3	31.50	9.50
C30511.0	11.00	12.00	22.00	79.0	3	–	–
C30512.0	12.00	12.00	26.00	83.0	3	37.50	11.50
C30513.0	13.00	12.00	26.00	83.0	3	37.50	11.50
C30514.0	14.00	12.00	26.00	83.0	3	37.50	11.50
C30515.0	15.00	12.00	26.00	83.0	3	37.50	11.50
C30516.0	16.00	16.00	32.00	92.0	3	43.50	15.50
C30517.0	17.00	16.00	32.00	92.0	3	43.50	15.50
C30518.0	18.00	16.00	32.00	92.0	3	43.50	15.50
C30519.0	19.00	16.00	32.00	92.0	3	43.50	15.50
C30520.0	20.00	20.00	38.00	104.0	3	53.50	19.50
C30522.0	22.00	20.00	38.00	104.0	3	53.50	19.50

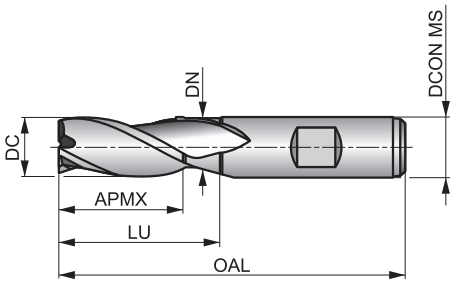
产品型号	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C30525.0	25.00	25.00	45.00	121.0	3	–	–
C30528.0	28.00	25.00	45.00	121.0	3	–	–
C30530.0	30.00	25.00	45.00	121.0	3	–	–
C30532.0	32.00	32.00	53.00	133.0	3	–	–

C352

DORMER

3-刃HSS-E-PM(粉末冶金钴高速钢)槽铣刀，Alcrona涂层

短切削长度，3-刃设计提供了高刚性，用于铣削槽，而精确的直径意味着铣削标准键槽达到P9公差，也适合坡走铣和轮廓铣削易切屑材料。Alcrona涂层提高性能和延长刀具寿命。



HSS-E PM	N	NOF 3
	λ 30°	γ 12°
DIN 1835B	Alcrona	DC e8
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■126 D	■141 D	■146 D	■108 D	■95 D	■84 C	■81 D	■65 C	■55 C	■48 C	■41 C	◪34 C	◪69 D	◪58 D
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
◪61 D	◪50 C	◪47 C	◪40 C	◪36 B	◪25 B	■60 D	■44 D	■33 D	■111 D	■90 D	■72 C	■98 D	■75 D
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.3	N2.1	N2.2	N2.3	N3.1
■61 B	■91 C	■68 C	■50 C	■43 B	■36 B	■103 C	■77 C	■60 C	◪89 E	◪89 D	■80 D	■57 D	■93 D
N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2		
■55 D	■28 D	◪93 D	■45 C	■35 C	◪15 B	■33 B	◪14 B	■25 B	◪10 B	■20 B	◪8 B		

DCON MS公差h6

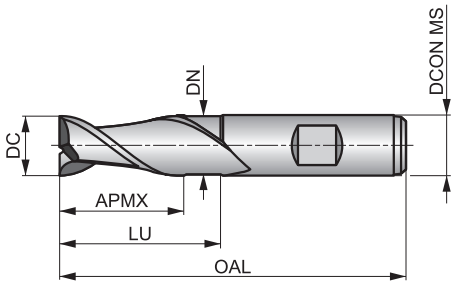
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C3523.0	3.00	6.00	8.00	52.0	3	–	–
C3524.0	4.00	6.00	11.00	55.0	3	–	–
C3525.0	5.00	6.00	13.00	57.0	3	–	–
C3526.0	6.00	6.00	13.00	57.0	3	–	–
C3528.0	8.00	10.00	19.00	69.0	3	–	–
C35210.0	10.00	10.00	22.00	72.0	3	31.50	9.50
C35212.0	12.00	12.00	26.00	83.0	3	37.50	11.50
C35214.0	14.00	12.00	26.00	83.0	3	37.50	11.50
C35216.0	16.00	16.00	32.00	92.0	3	43.50	15.50
C35218.0	18.00	16.00	32.00	92.0	3	43.50	15.50
C35220.0	20.00	20.00	38.00	104.0	3	53.50	19.50

C159

DORMER

2-刃HSS-E 槽铣刀，光亮

短切削长度，2-刃设计，具有40°螺旋槽，用于铣削铣槽，轮廓铣削和坡走铣在软材料，精确的直径意味着铣削标准键槽达到P9公差。专为铣削在有色金属。



HSS-E	W	NOF 2
	λ 40°	γ 20°
DIN 1835B	Bright	DC e8
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2	N1.1	N1.2	N1.3
◪46 D	◪52 D	◪54 D	◪40 D	◪35 D	◪32 D	◪27 D	◪28 D	◪23 C	◪22 C	◪19 C	■142 F	■107 E	■72 E

N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1
■72 D	■64 D	◪46 D	■75 D	■44 D	■22 D	■75 D	■29 D	◪28 C

DCON MS公差h6

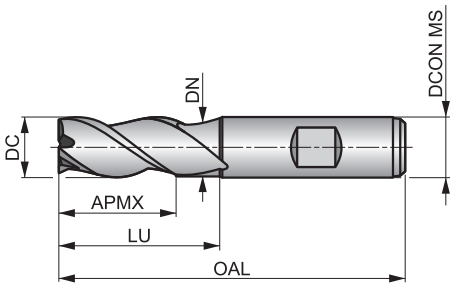
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C1592.0	2.00	6.00	7.00	51.0	2	–	–
C1593.0	3.00	6.00	8.00	52.0	2	–	–
C1594.0	4.00	6.00	11.00	55.0	2	–	–
C1595.0	5.00	6.00	13.00	57.0	2	–	–
C1596.0	6.00	6.00	13.00	57.0	2	–	–
C1598.0	8.00	10.00	19.00	69.0	2	–	–
C15910.0	10.00	10.00	22.00	72.0	2	–	–
C15912.0	12.00	12.00	26.00	83.0	2	–	–
C15914.0	14.00	12.00	26.00	83.0	2	37.50	11.50
C15916.0	16.00	16.00	32.00	92.0	2	43.50	15.50
C15918.0	18.00	16.00	32.00	92.0	2	43.50	15.50
C15920.0	20.00	20.00	38.00	104.0	2	53.50	19.50

C336

DORMER

3-刃HSS-E-PM(粉末冶金钴高速钢)立铣刀立铣刀，光亮

短切削长度，3-刃设计，具有一个40°螺旋槽。缩颈为加工深槽和轮廓加工提供了高刚性。专为铣削有色金属材料而设计。



HSS-E PM	W	NOF 3
	λ 40°	γ 25°
DIN 1835B	Bright	DC k10
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2	N1.1	N1.2	N1.3
50 D	56 D	58 D	43 D	38 D	34 D	29 D	31 D	25 C	24 C	21 C	142 F	107 E	72 E

N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	S1.1
72 D	64 D	46 D	75 D	44 D	22 D	75 D	29 D	30 C

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C33610.0	10.00	10.00	22.00	72.0	3	31.50	9.50
C33612.0	12.00	12.00	26.00	83.0	3	37.50	11.50
C33614.0	14.00	12.00	26.00	83.0	3	37.50	11.50
C33616.0	16.00	16.00	32.00	92.0	3	43.50	15.50
C33618.0	18.00	16.00	32.00	92.0	3	43.50	15.50
C33620.0	20.00	20.00	38.00	104.0	3	53.50	19.50
C33622.0	22.00	20.00	38.00	104.0	3	53.50	19.50
C33625.0	25.00	25.00	45.00	121.0	3	64.50	24.50
C33630.0	30.00	25.00	45.00	121.0	3	64.50	24.50

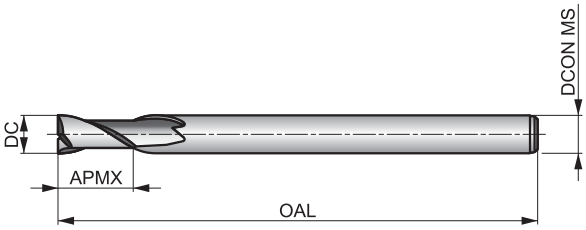
C167

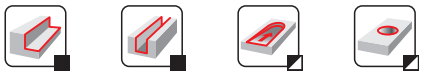
DORMER

2-刃HSS-E超长悬伸立铣刀，光亮

短切削长度，2-刃设计，无缩颈和超长悬伸，用来加工深壁中难以到达的区域。适用于铣削低碳钢和有色金属。

HSS-E	N	NOF 2
	λ 30°	γ 12°
DIN 1835A	Bright	DC js14
	DORMER	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■46 C	■52 C	■54 C	■40 C	◪35 C	◪32 C	◪26 B	◪19 B	◪34 C	◪29 C	◪31 C	◪25 B	◪30 C	◪22 C
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪17 C	◪49 C	◪40 C	◪32 B	◪44 C	◪33 C	◪27 A	◪40 B	◪30 B	◪22 B	◪19 A	◪16 A	◪46 B	◪34 B
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪27 B	◪81 E	◪60 D	◪41 D	◪41 C	◪37 C	◪26 C	■43 C	■25 C	■13 C	◪43 C	◪30 B	◪25 B	◪20 A
S3.1	**S4.1**												
◪15 A	◪12 A												

DCON MS公差h6

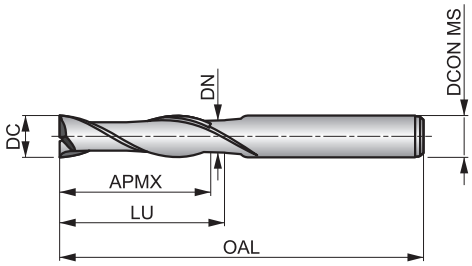
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF
C1676.0	6.00	6.00	13.00	180.0	2
C1678.0	8.00	8.00	19.00	180.0	2
C16710.0	10.00	10.00	22.00	200.0	2
C16712.0	12.00	12.00	26.00	200.0	2
C16716.0	16.00	16.00	32.00	200.0	2

C122

DORMER

2-刃HSS-E 超长系列立铣刀，光亮

长切削长度，2-刃设计为铣削标准槽提供高刚性。设计用于加工低碳钢和有色金属材料难以到达的深槽。



HSS-E	N	NOF 2
	λ 30°	γ 12°
DIN 1835A	Bright	DC e8
	DORMER	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■41 C	■46 C	■48 C	■35 C	◪31 C	◪28 C	◪23 B	◪17 B	◪27 C	◪23 C	◪24 C	◪20 B	◪25 C	◪19 C
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪14 C	◪44 C	◪36 C	◪29 B	◪39 C	◪30 C	◪24 A	◪36 B	◪27 B	◪20 B	◪17 A	◪14 A	◪41 B	◪31 B
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪24 B	◪76 E	◪57 D	◪38 D	◪38 C	◪34 C	◪25 C	■40 C	■23 C	■12 C	◪40 C	◪25 B	◪20 B	◪15 A
S3.1	**S4.1**												
◪11 A	◪9 A												

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C1225.0	5.00	5.00	22.00	65.0	2	–	–
C1226.0	6.00	6.00	27.00	75.0	2	–	–
C1227.0	7.00	8.00	33.00	85.0	2	–	–
C1228.0	8.00	8.00	33.00	85.0	2	–	–
C12210.0	10.00	10.00	40.00	95.0	2	–	–
C12212.0	12.00	12.00	45.00	110.0	2	–	–
C12214.0	14.00	12.00	52.00	125.0	2	–	–
C12216.0	16.00	16.00	58.00	140.0	2	69.50	15.50
C12218.0	18.00	16.00	65.00	150.0	2	76.50	15.50
C12220.0	20.00	20.00	70.00	160.0	2	85.50	19.50
C12222.0	22.00	20.00	75.00	170.0	2	90.50	19.50

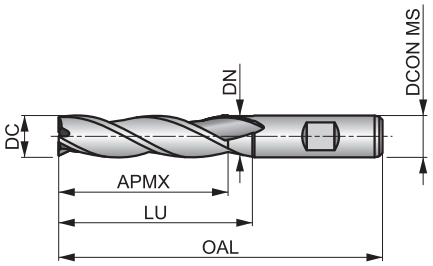
C346

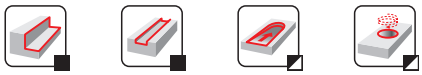
DORMER

3-刃HSS-E长系列立铣刀，光亮

长切削长度，3-刃设计提供了高刚性的标准开槽和轮廓铣削低碳钢和有色金属材料。长系列刀具，用于加工较深的槽和难以到达的深壁。

HSS-E	N	NOF 3
	λ 30°	γ 12°
DIN 1835B	Bright	DC e8
	DIN 844L	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■40 C	■45 C	■46 C	■34 C	◪30 C	◪28 C	◪22 B	◪16 B	◪27 C	◪23 C	◪24 C	◪20 B	◪25 C	◪19 C
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪14 C	◪43 C	◪35 C	◪28 B	◪38 C	◪29 C	◪24 A	◪35 B	◪27 B	◪20 B	◪17 A	◪14 A	◪40 B	◪30 B
K5.3	**N1.1**	**N1.2**	**N1.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**	
◪23 B	◪76 E	◪57 D	◪38 D	■40 C	■23 C	■12 C	◪40 C	■25 B	◪20 B	◪13 A	◪10 A	◪8 A	

DCON MS公差h6

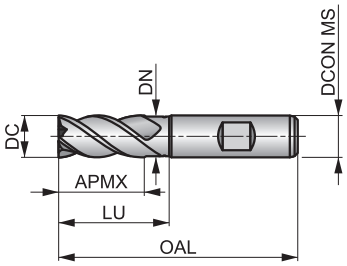
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C3463.0	3.00	6.00	12.00	56.0	3	–	–
C3464.0	4.00	6.00	19.00	63.0	3	–	–
C3465.0	5.00	6.00	24.00	68.0	3	–	–
C3466.0	6.00	6.00	24.00	68.0	3	–	–
C3467.0	7.00	10.00	30.00	80.0	3	–	–
C3468.0	8.00	10.00	38.00	88.0	3	–	–
C3469.0	9.00	10.00	38.00	88.0	3	–	–
C34610.0	10.00	10.00	45.00	95.0	3	–	–
C34611.0	11.00	12.00	45.00	102.0	3	–	–
C34612.0	12.00	12.00	53.00	110.0	3	–	–
C34613.0	13.00	12.00	53.00	110.0	3	64.50	11.50
C34615.0	15.00	12.00	53.00	110.0	3	64.50	11.50
C34616.0	16.00	16.00	63.00	123.0	3	74.50	15.50
C34620.0	20.00	20.00	75.00	141.0	3	90.50	19.50

C299

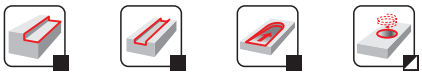
DORMER

3–4 刃HSS-E-PM(粉末冶金钴高速钢)立铣刀立铣刀，光亮

短切削长度，3或4刃设计提供了高刚性，用于通用轮廓加工和坡走铣铣削应用。具有一个45°螺旋槽，专为加工高强度材料而设计。缩颈的切削直径等于大于10 mm以上。



HSS-E PM	N	NOF 3-4
	λ 45°	γ 12°
DIN 1835B	Bright	DC k10
	DIN 844K	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■37 D	■33 C	■32 D	■26 C	■22 C	■19 C	■16 C	◪13 C	■36 D	■30 D	■32 D	■26 C	◪24 C	◪21 C
M3.3	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**
■19 B	■13 B	■30 D	■22 D	■17 D	■55 D	■45 D	■36 C	■49 D	■37 D	■30 B	■45 C	■34 C	■25 C
K4.4	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**
■22 B	■18 B	■51 C	■39 C	■30 C	■43 D	■25 D	◪29 C	■57 C	■10 B	■17 B	■7 B	■13 B	■5 B
S4.1	**S4.2**												
■10 B	■4 B												

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C2993.0	3.00	6.00	8.00	52.0	3	–	–
C2994.0	4.00	6.00	11.00	55.0	3	–	–
C2995.0	5.00	6.00	13.00	57.0	3	–	–
C2996.0	6.00	6.00	13.00	57.0	3	–	–
C2998.0	8.00	10.00	19.00	69.0	4	–	–
C29910.0	10.00	10.00	22.00	72.0	4	31.50	9.50
C29912.0	12.00	12.00	26.00	83.0	4	37.50	11.50
C29914.0	14.00	12.00	26.00	83.0	4	37.50	11.50
C29916.0	16.00	16.00	32.00	92.0	4	43.50	15.50
C29918.0	18.00	16.00	32.00	92.0	4	43.50	15.50
C29920.0	20.00	20.00	38.00	104.0	4	53.50	19.50

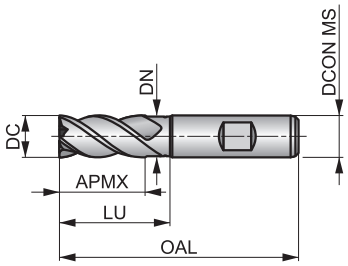
C907

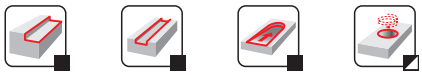
DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀立铣刀，Alcrona涂层

短切削长度，3，4，5或6刃设计提供了高刚性，用于通用轮廓加工和坡走铣铣削应用。具有一个45°螺旋槽，专为加工高强度材料而设计。缩颈的切削直径等于大于10 mm以上。Alcrona涂层提高性能和延长刀具寿命。

HSS-E PM	N	NOF 3-6
	λ 45°	γ 12°
DIN 1835B	Alcrona	DC k10
	DIN 844K	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■95 D	■84 C	■81 D	■65 C	■55 C	■48 C	■41 C	■34 C	■69 D	■58 D	■61 D	■50 C	■47 C	■40 C
M3.3	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**
■36 B	■25 B	■60 D	■44 D	■33 D	■111 D	■90 D	■72 C	■98 D	■75 D	■61 B	■91 C	■68 C	■50 C
K4.4	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**
■43 B	■36 B	■103 C	■77 C	■60 C	■93 D	■55 D	◪45 C	■85 C	■15 B	■33 B	■14 B	■25 B	■10 B
S4.1	**S4.2**												
■20 B	■8 B												

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C9073.0	3.00	6.00	8.00	52.0	3	–	–
C9074.0	4.00	6.00	11.00	55.0	3	–	–
C9075.0	5.00	6.00	13.00	57.0	3	–	–
C9076.0	6.00	6.00	13.00	57.0	3	–	–
C9078.0	8.00	10.00	19.00	69.0	4	–	–
C90710.0	10.00	10.00	22.00	72.0	4	31.50	9.50
C90712.0	12.00	12.00	26.00	83.0	4	37.50	11.50
C90714.0	14.00	12.00	26.00	83.0	4	37.50	11.50
C90716.0	16.00	16.00	32.00	92.0	4	43.50	15.50
C90718.0	18.00	16.00	32.00	92.0	4	43.50	15.50
C90720.0	20.00	20.00	38.00	104.0	4	53.50	19.50
C90722.0	22.00	20.00	38.00	104.0	5	53.50	19.50
C90725.0	25.00	25.00	45.00	121.0	5	64.50	24.50
C90728.0	28.00	25.00	45.00	121.0	6	64.50	24.50
C90730.0	30.00	25.00	45.00	121.0	6	64.50	24.50
C90732.0	32.00	32.00	53.00	133.0	6	72.50	31.50

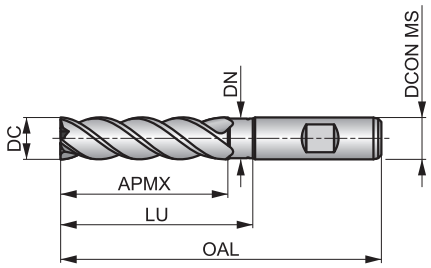
C920

DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀长系列立铣刀，Alcrona涂层

长切削长度，3，4或5刃设计，用于高刚性精加工深轮廓。具有一个45°螺旋槽，专为加工高强度材料而设计。缩颈的切削直径等于大于10 mm以上。颈部避空避免与工作接触壁面并扩大加工范围。Alcrona涂层延长刀具寿命。

HSS-E PM	N	NOF 3-5
	λ 45°	γ 12°
DIN 1835B	Alcrona	DC k10
	DIN 844L	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■85 C	■75 B	■74 C	■59 B	■50 B	■44 B	■37 B	■31 B	■62 C	■52 C	■55 C	■45 B	■41 B	■35 B
M3.3	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**
■32 A	■25 A	■55 C	■41 C	■31 C	■98 C	■80 C	■64 B	■87 C	■67 C	■54 A	■81 B	■61 B	■45 B
K4.4	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**
■38 A	■32 A	■91 B	■69 B	■53 B	■83 C	■49 C	◪40 B	■35 B	■15 A	■33 A	■14 A	■25 A	■10 A
S4.1	**S4.2**												
■20 A	■8 A												

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C9206.0	6.00	6.00	24.00	68.0	3	–	–
C9208.0	8.00	10.00	38.00	88.0	4	–	–
C92010.0	10.00	10.00	45.00	95.0	4	54.50	9.50
C92012.0	12.00	12.00	53.00	110.0	4	64.50	11.50
C92014.0	14.00	12.00	53.00	110.0	4	64.50	11.50
C92016.0	16.00	16.00	63.00	123.0	4	74.50	15.50
C92018.0	18.00	16.00	63.00	123.0	4	74.50	15.50
C92020.0	20.00	20.00	75.00	141.0	4	90.50	19.50
C92022.0	22.00	20.00	75.00	141.0	5	90.50	19.50
C92025.0	25.00	25.00	90.00	166.0	5	109.50	24.50

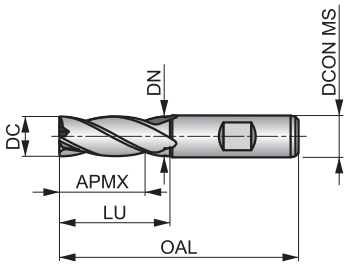
C247

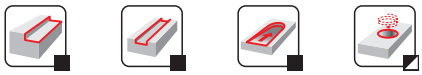
DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀立铣刀，光亮表面

短切削长度，4，5，6或8刃设计提供了高刚性，用于通用轮廓加工和坡走铣铣削应用低碳钢和有色金属。

HSS-E PM	N	NOF 4-8
	λ 30°	γ 12°
DIN 1835B	Bright	DC k10
	DIN 844K	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■53 D	■59 D	■61 D	■45 D	■40 D	◪36 D	◪29 C	◪22 C	◪34 D	◪29 D	◪31 D	◪25 C	◪30 D	◪22 D
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪17 D	◪55 D	◪45 D	◪36 C	◪49 D	◪37 D	◪30 B	◪45 C	◪34 C	◪25 C	◪22 B	◪18 B	◪51 C	◪39 C
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪30 C	◪95 F	◪71 E	◪48 E	◪48 D	◪43 D	◪31 D	■50 D	■29 D	■15 D	◪50 D	■30 C	◪25 C	◪20 B
S3.1	**S4.1**												
◪15 B	◪12 B												

DCON MS公差h6

产品型号	DC (inch)	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C2472.0	–	2.00	6.00	7.00	51.0	4	–	–
C2472.5	–	2.50	6.00	8.00	52.0	4	–	–
C2473.0	–	3.00	6.00	8.00	52.0	4	–	–
C2471/8 [2)]	1/8	3.18	6.00	10.00	54.0	4	–	–
C2473.5	–	3.50	6.00	10.00	54.0	4	–	–
C2474.0	–	4.00	6.00	11.00	55.0	4	–	–
C2474.5	–	4.50	6.00	11.00	55.0	4	–	–
C2473/16 [2)]	3/16	4.76	6.00	13.00	57.0	4	–	–
C2475.0	–	5.00	6.00	13.00	57.0	4	–	–
C2475.5	–	5.50	6.00	13.00	57.0	4	–	–
C2476.0	–	6.00	6.00	13.00	57.0	4	–	–
C2471/4 [2)]	1/4	6.35	10.00	16.00	66.0	4	–	–
C2476.5	–	6.50	10.00	16.00	66.0	4	–	–
C2477.0	–	7.00	10.00	16.00	66.0	4	–	–
C2477.5	–	7.50	10.00	16.00	66.0	4	–	–
C2475/16 [2)]	5/16	7.94	10.00	19.00	69.0	4	–	–
C2478.0	–	8.00	10.00	19.00	69.0	4	–	–
C2478.5	–	8.50	10.00	19.00	69.0	4	–	–
C2479.0	–	9.00	10.00	19.00	69.0	4	–	–
C2479.5	–	9.50	10.00	19.00	69.0	4	–	–
C2473/8 [2)]	3/8	9.52	10.00	22.00	72.0	4	31.50	9.50
C24710.0	–	10.00	10.00	22.00	72.0	4	31.50	9.50
C24711.0	–	11.00	12.00	22.00	79.0	4	–	–
C24712.0	–	12.00	12.00	26.00	83.0	4	37.50	11.50
C2471/2 [2)]	1/2	12.70	12.00	26.00	83.0	4	37.50	11.50

产品型号	DC	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(inch)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C24713.0	–	13.00	12.00	26.00	83.0	4	37.50	11.50
C24714.0	–	14.00	12.00	26.00	83.0	4	37.50	11.50
C2479/16 [2]	9/16	14.29	12.00	26.00	83.0	4	37.50	11.50
C24715.0	–	15.00	12.00	26.00	83.0	4	37.50	11.50
C2475/8 [2]	5/8	15.88	16.00	32.00	92.0	4	43.50	15.50
C24716.0	–	16.00	16.00	32.00	92.0	4	43.50	15.50
C24717.0	–	17.00	16.00	32.00	92.0	4	43.50	15.50
C24718.0	–	18.00	16.00	32.00	92.0	4	43.50	15.50
C24719.0	–	19.00	16.00	32.00	92.0	4	43.50	15.50
C2473/4 [2]	3/4	19.05	20.00	38.00	104.0	4	53.50	18.50
C24720.0	–	20.00	20.00	38.00	104.0	4	53.50	19.50
C24721.0	–	21.00	20.00	38.00	104.0	4	53.50	19.50
C24722.0	–	22.00	20.00	38.00	104.0	5	53.50	19.50
C2477/8 [2]	7/8	22.22	20.00	38.00	104.0	5	53.50	19.50
C24723.0	–	23.00	20.00	38.00	104.0	5	53.50	19.50
C24724.0	–	24.00	25.00	45.00	121.0	5	64.50	23.50
C24725.0	–	25.00	25.00	45.00	121.0	5	64.50	24.50
C2471 [2]	1″	25.40	25.00	45.00	121.0	5	64.50	24.50
C24726.0	–	26.00	25.00	45.00	121.0	6	64.50	24.50
C24728.0	–	28.00	25.00	45.00	121.0	6	64.50	24.50
C24730.0	–	30.00	25.00	45.00	121.0	6	64.50	24.50
C24732.0	–	32.00	32.00	53.00	133.0	6	72.50	31.50
C24736.0 [1]	–	36.00	32.00	53.00	133.0	6	72.50	31.50
C24740.0 [1]	–	40.00	40.00	63.00	155.0	6	84.50	39.00
C24750.0 [1]	–	50.00	50.00	75.00	177.0	8	96.50	48.00

[1] 只能提供 HSCo 产品;无无过中心切削
[2] DC 公差+0.0025 英寸/-0.0005 英寸.

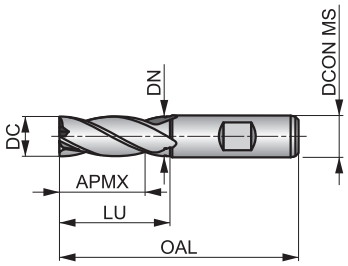
C246

DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀立铣刀，TiCN涂层

短切削长度，4或5刃设计提供了高刚性，用于通用轮廓加工和坡走铣铣削应用。TiCN涂层增加刀具的使用寿命和提高性能，尤其在铣削硬材料和耐磨材料时。

HSS-E PM	N	NOF 4-5
	λ 30°	γ 12°
DIN 1835B	TiCN	DC k10
	DIN 844K	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■ 113 D	■ 126 D	■ 131 D	■ 97 D	■ 85 D	◪ 75 C	■ 74 D	■ 59 C	◪ 50 C	■ 44 C	◪ 37 C	◪ 31 C	◪ 62 D	◪ 52 D
M2.1	**M2.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**
◪ 55 D	◪ 45 C	◪ 26 B	◪ 25 B	■ 55 D	■ 41 D	■ 31 D	■ 97 D	■ 79 D	■ 63 C	■ 86 D	■ 66 D	■ 53 B	■ 80 C
K4.2	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**
■ 60 C	■ 44 C	■ 38 B	■ 31 B	■ 90 C	■ 68 C	■ 52 C	◪ 159 F	◪ 120 E	◪ 80 E	◪ 80 D	■ 72 D	■ 51 D	■ 84 D
N3.2	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**		
■ 50 D	■ 25 D	◪ 84 D	■ 43 C	■ 35 C	◪ 15 B	■ 32 B	◪ 14 B	■ 24 B	◪ 10 B	■ 19 B	◪ 8 B		

DCON MS公差h6

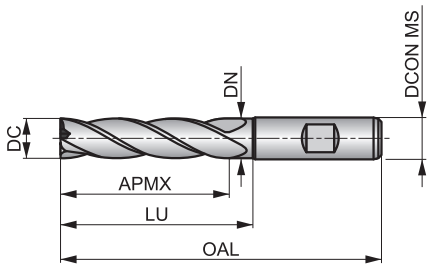
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C2462.0	2.00	6.00	7.00	51.0	4	–	–
C2463.0	3.00	6.00	8.00	52.0	4	–	–
C2464.0	4.00	6.00	11.00	55.0	4	–	–
C2465.0	5.00	6.00	13.00	57.0	4	–	–
C2466.0	6.00	6.00	13.00	57.0	4	–	–
C2467.0	7.00	10.00	16.00	66.0	4	–	–
C2468.0	8.00	10.00	19.00	69.0	4	–	–
C24610.0	10.00	10.00	22.00	72.0	4	31.50	9.50
C24611.0	11.00	12.00	22.00	79.0	4	–	–
C24612.0	12.00	12.00	26.00	83.0	4	37.50	11.50
C24613.0	13.00	12.00	26.00	83.0	4	37.50	11.50
C24614.0	14.00	12.00	26.00	83.0	4	37.50	11.50
C24615.0	15.00	12.00	26.00	83.0	4	37.50	11.50
C24616.0	16.00	16.00	32.00	92.0	4	43.50	15.50
C24618.0	18.00	16.00	32.00	92.0	4	43.50	15.50
C24620.0	20.00	20.00	38.00	104.0	4	53.50	19.50
C24622.0	22.00	20.00	38.00	104.0	5	53.50	19.50
C24625.0	25.00	25.00	45.00	121.0	5	64.50	24.50

C273

DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀长系列立铣刀，光亮

长切削长度，4，5或6刃设计提供了高刚性用于精加工深轮廓低碳钢和有色金属，如铝和中等强度钛合金。



HSS-E PM	N	NOF 4-6
	λ 30°	γ 12°
DIN 1835B	Bright	DC k10
	DIN 844L	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■46 C	■52 C	■54 C	■40 C	■35 C	◪32 C	◪26 B	◪19 B	◪14 C	◪12 C	◪12 C	◪10 B	◪25 C	◪19 C
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪14 C	◪49 C	◪40 C	◪32 B	◪44 C	◪33 C	◪27 A	◪40 B	◪30 B	◪22 B	◪19 A	◪16 A	◪46 B	◪34 B
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪27 B	◪81 E	◪60 D	◪41 D	◪41 C	◪37 C	◪26 C	■43 C	◪25 C	■13 C	◪43 C	■25 B	◪20 B	◪13 A
S3.1	**S4.1**												
◪10 A	◪8 A												

DCON MS公差h6

产品型号	DC (inch)	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C2732.0	–	2.00	6.00	10.00	54.0	4	–	–
C2732.5	–	2.50	6.00	12.00	56.0	4	–	–
C2733.0	–	3.00	6.00	12.00	56.0	4	–	–
C2731/8 [2)]	1/8	3.18	6.00	15.00	59.0	4	–	–
C2733.5	–	3.50	6.00	15.00	59.0	4	–	–
C2734.0	–	4.00	6.00	19.00	63.0	4	–	–
C2734.5	–	4.50	6.00	19.00	63.0	4	–	–
C2733/16 [2)]	3/16	4.76	6.00	24.00	68.0	4	–	–
C2735.0	–	5.00	6.00	24.00	68.0	4	–	–
C2735.5	–	5.50	6.00	24.00	68.0	4	–	–
C2736.0	–	6.00	6.00	24.00	68.0	4	–	–
C2731/4 [2)]	1/4	6.35	10.00	30.00	80.0	4	–	–
C2737.0	–	7.00	10.00	30.00	80.0	4	–	–
C2738.0	–	8.00	10.00	38.00	88.0	4	–	–
C2739.0	–	9.00	10.00	38.00	88.0	4	–	–
C2733/8 [2)]	3/8	9.52	10.00	45.00	95.0	4	54.50	9.50
C27310.0	–	10.00	10.00	45.00	95.0	4	54.50	9.50
C27311.0	–	11.00	12.00	45.00	102.0	4	–	–
C27312.0	–	12.00	12.00	53.00	110.0	4	64.50	11.50
C2731/2 [2)]	1/2	12.70	12.00	53.00	110.0	4	64.50	11.50
C27313.0	–	13.00	12.00	53.00	110.0	4	64.50	11.50
C27314.0	–	14.00	12.00	53.00	110.0	4	64.50	11.50
C27315.0	–	15.00	12.00	53.00	110.0	4	64.50	11.50
C2735/8 [2)]	5/8	15.88	16.00	63.00	123.0	4	74.50	15.50
C27316.0	–	16.00	16.00	63.00	123.0	4	74.50	15.50

产品型号	DC	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(inch)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C27318.0	–	18.00	16.00	63.00	123.0	4	74.50	15.50
C2733/4 [2]	3/4	19.05	20.00	75.00	141.0	4	90.50	18.50
C27320.0	–	20.00	20.00	75.00	141.0	4	90.50	19.50
C27322.0	–	22.00	20.00	75.00	141.0	5	90.50	19.50
C27325.0	–	25.00	25.00	90.00	166.0	5	109.50	24.50
C2731 [2]	1″	25.40	25.00	90.00	166.0	5	109.50	24.50
C27328.0	–	28.00	25.00	90.00	166.0	6	109.50	24.50
C27330.0	–	30.00	25.00	90.00	166.0	6	109.50	24.50
C27332.0	–	32.00	32.00	106.00	186.0	6	125.50	31.50
C27340.0 [1]	–	40.00	40.00	125.00	217.0	6	146.50	39.00

[1] 只能提供 HSCo 产品;无无过中心切削
[2] DC 公差+0.0025 英寸/-0.0005 英寸.

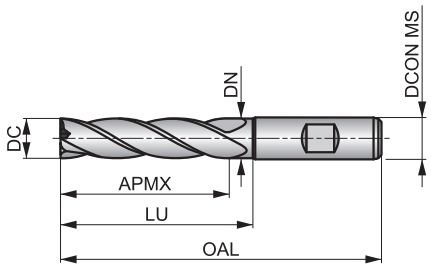
C295

DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀长系列立铣刀，TiCN涂层

长切削长度，4，5或6刃设计提供了高刚性用于精加工深轮廓。TiCN涂层增加刀具的使用寿命和提高性能，尤其在铣削硬材料和耐磨材料时。

HSS-E PM	N	NOF 4-6
	λ 30°	γ 12°
DIN 1835B	TiCN	DC k10
	DIN 844L	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■99 C	■111 C	■115 C	■85 C	■75 C	◪66 B	■66 C	■53 B	◪45 B	■40 B	◪34 B	◪27 B	◪55 C	◪46 C
M2.1	M2.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1
◪49 C	◪40 B	◪21 A	◪20 A	■50 C	■37 C	■28 C	■86 C	■70 C	■56 B	■76 C	■58 C	■47 A	■71 B
K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1
■53 B	■39 B	■33 A	■28 A	■80 B	■60 B	■46 B	◪139 E	◪105 D	◪70 D	◪70 C	■63 C	■45 C	■73 C
N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2		
■43 C	■22 C	◪73 C	■40 B	■30 B	◪15 A	■27 A	◪14 A	■20 A	◪10 A	■16 A	◪8 A		

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C2952.0	2.00	6.00	10.00	54.0	4	–	–
C2953.0	3.00	6.00	12.00	56.0	4	–	–
C2954.0	4.00	6.00	19.00	63.0	4	–	–
C2955.0	5.00	6.00	24.00	68.0	4	–	–
C2956.0	6.00	6.00	24.00	68.0	4	–	–
C2957.0	7.00	10.00	30.00	80.0	4	–	–
C2958.0	8.00	10.00	38.00	88.0	4	–	–
C2959.0	9.00	10.00	38.00	88.0	4	–	–
C29510.0	10.00	10.00	45.00	95.0	4	54.50	9.50
C29511.0	11.00	12.00	45.00	102.0	4	–	–
C29512.0	12.00	12.00	53.00	110.0	4	64.50	11.50
C29515.0	15.00	12.00	53.00	110.0	4	64.50	11.50
C29516.0	16.00	16.00	63.00	123.0	4	74.50	15.50
C29518.0	18.00	16.00	63.00	123.0	4	74.50	15.50
C29520.0	20.00	20.00	75.00	141.0	4	90.50	19.50
C29525.0	25.00	25.00	90.00	166.0	5	109.50	24.50
C29530.0	30.00	25.00	90.00	166.0	6	109.50	24.50
C29532.0	32.00	32.00	106.00	186.0	6	125.50	31.50
C29540.0 [1)]	40.00	40.00	125.00	217.0	6	146.50	39.00

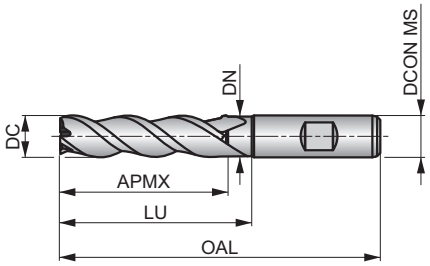
[1)] 只能提供 HSCo 产品;无过中心切削

C333

DORMER

3-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀长系列立铣刀，光亮

长切削长度，3-刃设计，具有一个40°螺旋槽设计，用于加工较软的材料。长系列槽为加工深槽和轮廓提供了高刚性。颈部避空避免与工作接触壁面并扩大加工范围。专为铣削有色金属材料而设计。



HSS-E PM	W	NOF 3
	λ 40°	γ 25°
DIN 1835B	Bright	DC k10
	DIN 844L	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2
■114 E	■86 D	■58 D	■58 C	■51 C	◪37 C	■60 C	■35 C	■18 C	■60 C	■23 C

DCON MS公差h6

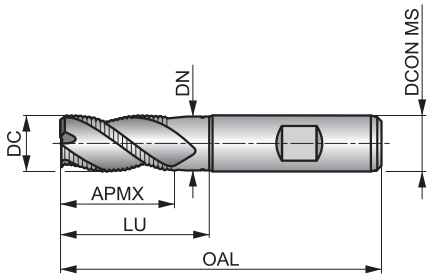
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C33310.0	10.00	10.00	45.00	95.0	3	54.50	9.50
C33312.0	12.00	12.00	53.00	110.0	3	64.50	11.50
C33314.0	14.00	12.00	53.00	110.0	3	64.50	11.50
C33316.0	16.00	16.00	63.00	123.0	3	74.50	15.50
C33318.0	18.00	16.00	63.00	123.0	3	74.50	15.50
C33320.0	20.00	20.00	75.00	141.0	3	90.50	19.50
C33325.0	25.00	25.00	90.00	166.0	3	109.50	24.50
C33330.0	30.00	25.00	90.00	166.0	3	109.50	24.50

C922

DORMER

3–4 刃HSS-E-PM(粉末冶金钻高速钢)立铣刀粗加工立铣刀，Alcrona涂层

短切削长度，3或4刃设计，在较大的切削直径尺寸上具有缩颈和一个HRA细波形刃不对称断屑槽，可破损切屑，用于高效率粗加工应用。35°螺旋槽，降低了振动和提高性能。Alcrona涂层提高性能和延长刀具寿命。



HSS-E PM	HRA	NOF 3-4
	λ 35°	γ 12°
DIN 1835B	Alcrona	DC k12
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
◪95 F	■84 E	■81 F	■65 E	■55 E	■48 E	■41 E	■34 E	■69 F	■58 F	■61 F	■50 E	■47 E	■40 E
M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3
■36 D	■25 D	■60 F	■44 F	■33 F	■111 F	■90 F	■72 E	■98 F	■75 F	■61 E	■91 E	■68 E	■50 E
K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
■43 D	■36 D	■103 E	■77 E	■60 E	■93 F	■55 F	◪45 E	■35 E	■15 D	■33 D	■14 D	■25 D	■10 D
S4.1	S4.2												
■20 D	■8 D												

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C9226.0	6.00	6.00	13.00	57.0	3	–	–
C9227.0	7.00	10.00	16.00	66.0	3	–	–
C9228.0	8.00	10.00	19.00	69.0	3	–	–
C9229.0	9.00	10.00	19.00	69.0	3	–	–
C92210.0	10.00	10.00	22.00	72.0	3	31.50	9.50
C92211.0	11.00	12.00	22.00	79.0	3	–	–
C92212.0	12.00	12.00	26.00	83.0	3	37.50	11.50
C92213.0	13.00	12.00	26.00	83.0	3	37.50	11.50
C92214.0	14.00	12.00	26.00	83.0	3	37.50	11.50
C92215.0	15.00	12.00	26.00	83.0	3	37.50	11.50
C92216.0	16.00	16.00	32.00	92.0	3	43.50	15.50
C92218.0	18.00	16.00	32.00	92.0	3	43.50	15.50
C92220.0	20.00	20.00	38.00	104.0	3	53.50	19.50
C92222.0	22.00	20.00	38.00	104.0	3	53.50	19.50
C92224.0	24.00	25.00	45.00	121.0	4	64.50	23.50
C92225.0	25.00	25.00	45.00	121.0	4	64.50	24.50
C92228.0	28.00	25.00	45.00	121.0	4	64.50	24.50
C92232.0	32.00	32.00	53.00	133.0	4	72.50	31.50

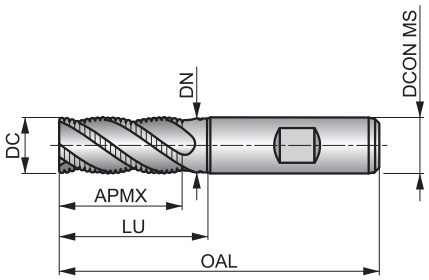
C428

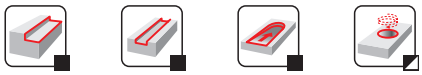
DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀粗加工立铣刀，Alcrona涂层

短切削长度，4或6刃设计，在较大的切削直径尺寸上具有缩颈和一个HRA细波形刃不对称断屑槽，可破损切屑，用于高效率粗加工应用。35°螺旋槽，降低了振动和提高性能。Alcrona涂层提高性能和延长刀具寿命。

HSS-E PM	HRA	NOF 4-6
	λ 35°	γ 12°
DIN 1835B	Alcrona	DC k12
	DIN 844K	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
◪93 F	■82 E	■80 F	■64 E	■54 E	■48 E	■40 E	■33 E	■66 F	■56 F	■59 F	■48 E	■47 E	■40 E
M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3
■36 D	■26 D	■61 F	■45 F	■34 F	■108 F	■88 F	■70 E	■96 F	■73 F	■59 E	■89 E	■67 E	■49 E
K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
■42 D	■35 D	■100 E	■76 E	■58 E	■116 F	■68 F	◪46 E	■37 E	■16 D	■36 D	■16 D	■27 D	■11 D
S4.1	S4.2												
■21 D	■9 D												

DCON MS公差h6

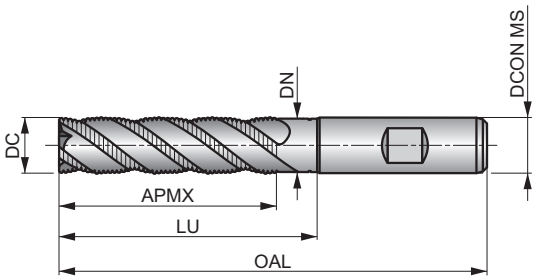
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C4286.0	6.00	6.00	13.00	57.0	4	–	–
C4287.0	7.00	10.00	16.00	66.0	4	–	–
C4288.0	8.00	10.00	19.00	69.0	4	–	–
C4289.0	9.00	10.00	19.00	69.0	4	–	–
C42810.0	10.00	10.00	22.00	72.0	4	31.50	9.50
C42811.0	11.00	12.00	22.00	79.0	4	–	–
C42812.0	12.00	12.00	26.00	83.0	4	37.50	11.50
C42813.0	13.00	12.00	26.00	83.0	4	37.50	11.50
C42814.0	14.00	12.00	26.00	83.0	4	37.50	11.50
C42815.0	15.00	12.00	26.00	83.0	4	37.50	11.50
C42816.0	16.00	16.00	32.00	92.0	4	43.50	15.50
C42818.0	18.00	16.00	32.00	92.0	4	43.50	15.50
C42820.0	20.00	20.00	38.00	104.0	4	53.50	19.50
C42822.0	22.00	20.00	38.00	104.0	4	53.50	19.50
C42825.0	25.00	25.00	45.00	121.0	6	64.50	24.50
C42828.0	28.00	25.00	45.00	121.0	6	64.50	24.50
C42830.0	30.00	25.00	45.00	121.0	6	64.50	24.50
C42832.0	32.00	32.00	53.00	133.0	6	72.50	31.50
C42836.0	36.00	32.00	53.00	133.0	6	72.50	31.00
C42840.0	40.00	40.00	63.00	155.0	6	84.50	39.00

C492

DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀长系列粗加工立铣刀，Alcrona涂层

长切削长度，3，4或6刃设计，具有一个HRA细波形刃不对称断屑槽，可破损切屑，用于高效率的深轮廓粗加工应用。缩颈的切削直径等于大于10 mm以上。35°螺旋槽，在粗加工时降低了振动和提高性能。Alcrona涂层提高性能和延长刀具寿命。



HSS-E PM	HRA	NOF 3-6
	λ 35°	γ 12°
DIN 1835B	Alcrona	DC k12
	DIN 844L	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■83 E	■73 D	■72 E	■58 D	■49 D	■43 D	■37 D	■30 D	■59 E	■50 E	■53 E	■43 D	■42 D	■36 D
M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3
■32 C	■23 C	■55 E	■41 E	■31 E	■97 E	■79 E	■63 D	■86 E	■66 E	■53 D	■80 D	■60 D	■44 D
K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
■38 C	■31 C	■90 D	■68 D	■52 D	■104 E	■61 E	◪41 D	■34 D	■15 C	■32 C	■14 C	■24 C	■10 C
S4.1	S4.2												
■19 C	■8 C												

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C4926.0	6.00	6.00	24.00	68.0	3	–	–
C4928.0	8.00	10.00	38.00	88.0	3	–	–
C49210.0	10.00	10.00	45.00	95.0	4	54.50	9.50
C49212.0	12.00	12.00	53.00	110.0	4	64.50	11.50
C49214.0	14.00	12.00	53.00	110.0	4	64.50	11.50
C49216.0	16.00	16.00	63.00	123.0	4	74.50	15.50
C49218.0	18.00	16.00	63.00	123.0	4	74.50	15.50
C49220.0	20.00	20.00	75.00	141.0	4	90.50	19.50
C49222.0	22.00	20.00	75.00	141.0	4	90.50	19.50
C49225.0	25.00	25.00	90.00	166.0	6	109.50	24.50
C49230.0	30.00	25.00	90.00	166.0	6	109.50	24.50

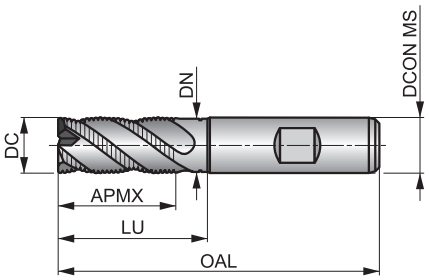
C407

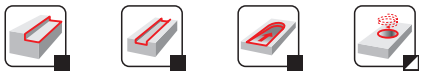
DORMER

4-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀粗加工立铣刀，光亮

短切削长度，4-刃设计，在较大的切削直径尺寸上具有缩颈，和一个NRA粗波形刃不对称断屑槽，可破损切屑，用于高效率的粗加工应用。35°螺旋槽，在粗加工应用时降低了振动和提高性能。

HSS-E PM	NRA	NOF 4
	λ 35°	γ 12°
DIN 1835B	Bright	DC k12
	DIN 844K	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■50 G	■56 G	■58 G	■43 G	■38 G	■34 F	■32 G	■26 F	■22 F	■19 F	■16 F	◪13 F	■34 G	■29 G
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■31 G	■25 F	◪24 F	◪21 F	■19 E	■13 E	■30 G	■22 G	■17 G	■54 G	■44 G	■35 F	■48 G	■37 G
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	S1.1	S1.2	S1.3
■30 F	■44 F	■33 F	■25 F	■21 E	■18 E	■50 F	■38 F	■29 F	■43 G	■25 G	◪30 F	■25 F	■11 E
S2.1	S2.2	S3.1	S3.2	S4.1	S4.2								
■19 E	■8 E	■14 E	■6 E	■11 E	■5 E								

DCON MS公差h6

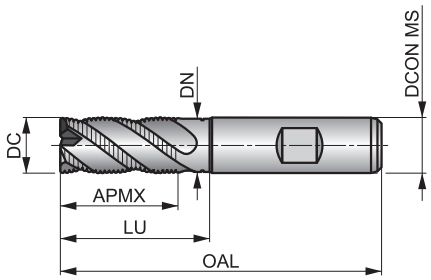
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C4076.0	6.00	6.00	13.00	57.0	4	–	–
C4077.0	7.00	10.00	16.00	66.0	4	–	–
C4078.0	8.00	10.00	19.00	69.0	4	–	–
C4079.0	9.00	10.00	19.00	69.0	4	–	–
C40710.0	10.00	10.00	22.00	72.0	4	31.50	9.50
C40711.0	11.00	12.00	22.00	79.0	4	–	–
C40712.0	12.00	12.00	26.00	83.0	4	37.50	11.50
C40713.0	13.00	12.00	26.00	83.0	4	37.50	11.50
C40714.0	14.00	12.00	26.00	83.0	4	37.50	11.50
C40715.0	15.00	12.00	26.00	83.0	4	37.50	11.50
C40716.0	16.00	16.00	32.00	92.0	4	43.50	15.50
C40718.0	18.00	16.00	32.00	92.0	4	43.50	15.50
C40720.0	20.00	20.00	38.00	104.0	4	53.50	19.50

C908

DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀粗加工立铣刀，Alcrona涂层

短切削长度，4或6刃设计，在较大的切削直径尺寸上具有缩颈和一个NRA粗波形刃不对称断屑槽，可破损切屑，用于高效率的粗加工应用。35°螺旋槽，降低了振动和提高性能在粗加工应用。Alcrona涂层提高性能和延长刀具寿命。



HSS-E PM	NRA	NOF 4-6
	λ 35°	γ 12°
DIN 1835B	Alcrona	DC k12
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■93 G	■82 F	■80 G	■64 F	■54 F	■48 F	■40 F	◪33 F	■66 G	■56 G	■59 G	■48 F	■47 F	■40 F
M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3
■36 E	■26 E	■61 G	■45 G	■34 G	■108 G	■88 G	■70 F	■96 G	■73 G	■59 F	■89 F	■67 F	■49 F
K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
■42 E	■35 E	■100 F	■76 F	■58 F	■93 G	■55 G	◪46 F	■37 F	■16 E	■36 E	■16 E	■27 E	■11 E
S4.1	S4.2												
■21 E	■9 E												

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C9086.0	6.00	6.00	13.00	57.0	4	–	–
C9087.0	7.00	10.00	16.00	66.0	4	–	–
C9088.0	8.00	10.00	19.00	69.0	4	–	–
C9089.0	9.00	10.00	19.00	69.0	4	–	–
C90810.0	10.00	10.00	22.00	72.0	4	31.50	9.50
C90811.0	11.00	12.00	22.00	79.0	4	–	–
C90812.0	12.00	12.00	26.00	83.0	4	37.50	11.50
C90813.0	13.00	12.00	26.00	83.0	4	37.50	11.50
C90814.0	14.00	12.00	26.00	83.0	4	37.50	11.50
C90815.0	15.00	12.00	26.00	83.0	4	37.50	11.50
C90816.0	16.00	16.00	32.00	92.0	4	43.50	15.50
C90818.0	18.00	16.00	32.00	92.0	4	43.50	15.50
C90820.0	20.00	20.00	38.00	104.0	4	53.50	19.50
C90822.0	22.00	20.00	38.00	104.0	4	53.50	19.50
C90825.0	25.00	25.00	45.00	121.0	6	64.50	24.50
C90830.0	30.00	25.00	45.00	121.0	6	64.50	24.50
C90832.0	32.00	32.00	53.00	133.0	6	72.50	31.50

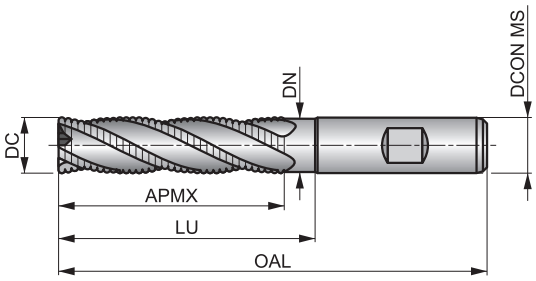
C948

DORMER

多-刃HSS-E-PM(粉末冶金钻高速钢)立铣刀长系列粗加工立铣刀，Alcrona涂层

长切削长度，4或6刃设计，具有一个NRA粗波形刃不对称断屑槽，可破损切屑，用于高效率的深轮廓粗加工应用。35°螺旋槽，降低了振动和提高性能在粗加工应用。缩颈的切削直径等于大于10 mm以上。Alcrona涂层提高性能和延长刀具寿命。

HSS-E PM	NRA	NOF 4-6
	λ 35°	γ 12°
DIN 1835B	Alcrona	DC k12
	DIN 844L	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■83 F	■73 E	■72 F	■58 E	■49 E	■43 E	■37 E	■30 E	■59 F	■50 F	■53 F	■43 E	■42 E	■36 E
M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2	K3.3	K4.1	K4.2	K4.3
■32 D	■23 D	■55 F	■41 F	■31 F	■97 F	■79 F	■63 E	■86 F	■66 F	■53 E	■80 E	■60 E	■44 E
K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
■38 D	■31 D	■90 E	■68 E	■52 E	■83 F	■49 F	◪41 E	■34 E	■15 D	■32 D	■14 D	■24 D	■10 D
S4.1	S4.2												
■19 D	■8 D												

DCON MS公差h6

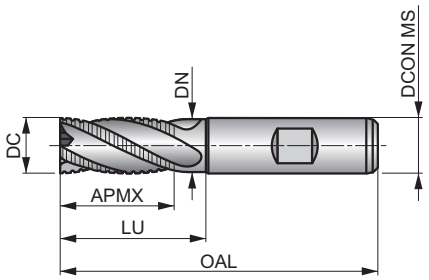
产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C9486.0	6.00	6.00	24.00	68.0	4	–	–
C9488.0	8.00	10.00	38.00	88.0	4	–	–
C94810.0	10.00	10.00	45.00	95.0	4	54.50	9.50
C94812.0	12.00	12.00	53.00	110.0	4	64.50	11.50
C94814.0	14.00	12.00	53.00	110.0	4	64.50	11.50
C94816.0	16.00	16.00	63.00	123.0	4	74.50	15.50
C94818.0	18.00	16.00	63.00	123.0	4	74.50	15.50
C94820.0	20.00	20.00	75.00	141.0	4	90.50	19.50
C94825.0	25.00	25.00	90.00	166.0	6	109.50	24.50
C94830.0	30.00	25.00	90.00	166.0	6	109.50	24.50
C94832.0	32.00	32.00	106.00	186.0	6	125.50	31.50

C400

DORMER

4-刃HSS-E粗加工立铣刀，光亮

短切削长度，4-刃设计无过中心铣削，仅用于周边粗加工。NF粗玉米齿断屑槽，可破损切屑，用于高效率的粗加工应用。30°螺旋槽，降低了振动和提高了性能，尤其在粗加工时易切削材料时。



HSS-E	NF	NOF 4
	λ 30°	γ 12°
DIN 1835B	Bright	DC k12
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■46 E	■52 E	■54 E	■40 E	■35 E	◪32 E	◪26 D	◪19 D	◪34 E	◪29 E	◪31 E	◪25 D	◪30 E	◪22 E
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪17 E	◪49 E	◪40 E	◪32 D	◪44 E	◪33 E	◪27 D	◪40 D	◪30 D	◪22 D	◪19 C	◪16 C	◪46 D	◪34 D
K5.3	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**
◪27 D	◪41 F	◪41 E	◪37 E	◪26 E	■43 E	■25 E	◪13 E	◪43 E	◪30 D	◪25 D	◪20 C	◪15 C	◪12 C

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C4006.0	6.00	6.00	13.00	57.0	4	–	–
C4008.0	8.00	10.00	19.00	69.0	4	–	–
C40010.0	10.00	10.00	22.00	72.0	4	–	–
C40012.0	12.00	12.00	26.00	83.0	4	–	–
C40014.0	14.00	12.00	26.00	83.0	4	37.50	11.50
C40016.0	16.00	16.00	32.00	92.0	4	43.50	15.50
C40018.0	18.00	16.00	32.00	92.0	4	43.50	15.50
C40020.0	20.00	20.00	38.00	104.0	4	53.50	19.50

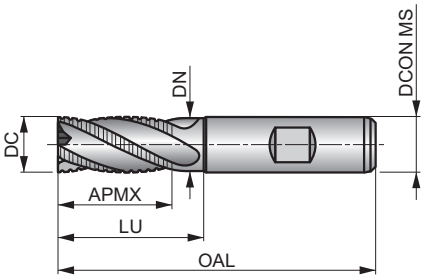
C413

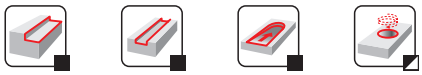
DORMER

4-刃HSS-E粗加工立铣刀，TiCN涂层

短切削长度，4-刃设计仅用于周边粗加工。NF粗玉米齿断屑槽，可破损切屑，用于高效率的粗加工应用。30°螺旋槽，粗加工时降低了振动和提高了性能。TiCN涂层增加刀具的使用寿命和提高了性能，尤其在铣削硬材料和耐磨材料时。

HSS-E	NF	NOF 4
	λ 30°	γ 12°
DIN 1835B	TiCN	DC k12
	DIN 844K	





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■93 E	■104 E	■108 E	■80 E	■70 E	◪62 D	■59 E	■47 D	◪40 D	■35 D	◪30 D	◪24 D	◪48 E	◪41 E
M2.1	**M2.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**
◪43 E	◪35 D	◪21 C	◪20 C	■45 E	■33 E	■25 E	■80 E	■65 E	■52 D	■71 E	■54 E	■44 D	■66 D
K4.2	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**
■49 D	■36 D	■31 C	■26 C	■74 D	■56 D	■43 D	◪82 F	◪82 E	■74 E	■52 E	■86 E	■50 E	◪26 E
N4.1	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**				
◪86 E	◪35 D	■30 D	◪10 C	■27 C	◪14 C	■20 C	◪10 C	■16 C	◪8 C				

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C4136.0	6.00	6.00	13.00	57.0	4	–	–
C4138.0	8.00	10.00	19.00	69.0	4	–	–
C41310.0	10.00	10.00	22.00	72.0	4	–	–
C41312.0	12.00	12.00	26.00	83.0	4	–	–
C41314.0	14.00	12.00	26.00	83.0	4	37.50	11.50
C41316.0	16.00	16.00	32.00	92.0	4	43.50	15.50
C41318.0	18.00	16.00	32.00	92.0	4	43.50	15.50
C41320.0	20.00	20.00	38.00	104.0	4	53.50	19.50

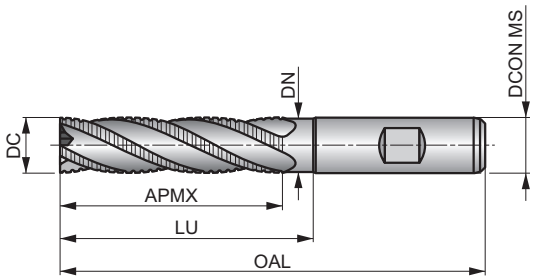
C403

DORMER

多-刃HSS-E长系列粗加工立铣刀，光亮

长切削长度，4，5或6刃设计，无过中心铣削，仅用于周边粗加工。NF粗玉米齿断屑槽，可破损切屑，用于高效率的粗加工应用。30°螺旋槽，降低了振动和提高了性能，尤其在粗加工时易切削材料时。缩颈的切削直径等于大于14 mm以上。

HSS-E	NF	NOF 4-6
	λ 30°	γ 12°
DIN 1835B	Bright	DC k12
	DIN 844L	



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■40 D	■45 D	■46 D	■34 D	■30 D	◪28 D	◪22 C	◪16 C	◪27 D	◪23 D	◪24 D	◪20 C	◪25 D	◪19 D
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪14 D	◪43 D	◪35 D	◪28 C	◪38 D	◪29 D	◪24 B	◪35 C	◪27 C	◪20 C	◪17 B	◪14 B	◪40 C	◪30 C
K5.3	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**	**S3.1**	**S4.1**
◪23 C	◪38 E	◪38 D	◪34 D	◪25 D	■40 D	■23 D	◪12 D	◪40 D	◪25 C	◪20 C	◪13 B	◪10 B	◪8 B

DCON MS公差h6

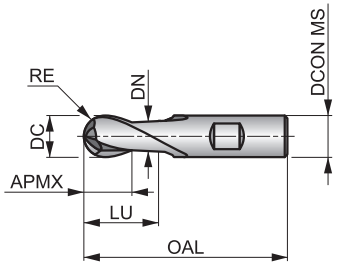
产品型号	DC	DCON MS	APMX	OAL	NOF	LU	DN
	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)
C40310.0	10.00	10.00	45.00	95.0	4	–	–
C40312.0	12.00	12.00	53.00	110.0	4	–	–
C40314.0	14.00	12.00	53.00	110.0	4	64.50	11.50
C40316.0	16.00	16.00	63.00	123.0	4	74.50	15.50
C40318.0	18.00	16.00	63.00	123.0	4	74.50	15.50
C40320.0	20.00	20.00	75.00	141.0	4	90.50	19.50
C40330.0	30.00	25.00	90.00	166.0	5	109.50	24.50
C40332.0	32.00	32.00	106.00	186.0	6	125.50	31.00
C40336.0	36.00	32.00	106.00	186.0	6	125.50	31.50
C40340.0	40.00	40.00	125.00	217.0	6	146.50	39.00
C40345.0	45.00	40.00	125.00	217.0	6	146.50	39.50
C40350.0	50.00	50.00	150.00	252.0	6	171.50	48.00

C500

DORMER

2-刃HSS-E球头立铣刀，光亮

超短切削长度，2-刃设计提供了高刚性，增加强度和降低振动。槽型设计用于在CNCm/c对复制表面进行轮廓加工，适合低碳钢，低有色金属和中等强度钛合金。缩颈的切削直径等于大于14 mm以上e。



HSS-E	N	NOF 2
	λ 30°	γ 12°
DIN 1835B	Bright	DC e8
	DIN 327D	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■53 E	■59 E	■61 E	■45 E	◪40 E	◪36 E	◪29 D	◪22 D	◪34 E	◪29 E	◪31 E	◪25 D	◪30 E	◪22 E
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪17 E	◪55 E	◪45 E	◪36 D	◪49 E	◪37 E	◪30 D	◪45 D	◪34 D	◪25 D	◪22 C	◪18 C	◪51 D	◪39 D
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪30 D	◪95 G	◪71 F	◪48 F	◪48 E	◪43 E	◪31 E	■50 E	■29 E	■15 E	◪50 E	■30 D	◪25 D	◪20 C
S3.1	**S4.1**												
◪15 C	◪12 C												

DCON MS公差h6; RE ±0.05 mm

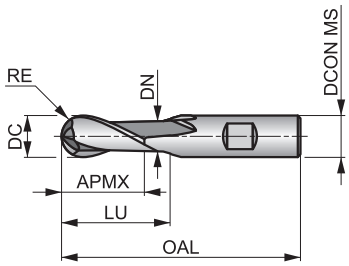
产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C5002.0	2.00	1.00	6.00	4.00	48.0	2	–	–
C5003.0	3.00	1.50	6.00	5.00	49.0	2	–	–
C5004.0	4.00	2.00	6.00	7.00	51.0	2	–	–
C5005.0	5.00	2.50	6.00	8.00	52.0	2	–	–
C5006.0	6.00	3.00	6.00	8.00	52.0	2	–	–
C5007.0	7.00	3.50	10.00	10.00	60.0	2	–	–
C5008.0	8.00	4.00	10.00	11.00	61.0	2	–	–
C5009.0	9.00	4.50	10.00	11.00	61.0	2	–	–
C50010.0	10.00	5.00	10.00	13.00	63.0	2	–	–
C50012.0	12.00	6.00	12.00	16.00	73.0	2	–	–
C50014.0	14.00	7.00	12.00	16.00	73.0	2	27.50	11.50
C50015.0	15.00	7.50	12.00	16.00	73.0	2	27.50	11.50
C50016.0	16.00	8.00	16.00	19.00	79.0	2	30.50	15.50
C50018.0	18.00	9.00	16.00	19.00	79.0	2	30.50	15.50
C50020.0	20.00	10.00	20.00	22.00	88.0	2	37.50	19.50
C50025.0	25.00	12.50	25.00	26.00	102.0	2	45.50	24.50

C505

DORMER

2-刃HSS-E球头立铣刀，光亮

短切削长度，2-刃设计提供了高刚性，增加强度和降低振动。为数控机床加工复杂表面轮廓而设计的槽型，适合低碳钢，低有色金属和中等强度钛合金。缩颈的切削直径等于大于14 mm以上。



HSS-E	N	NOF 2
	λ 30°	γ 12°
DIN 1835B	Bright	DC e8
	DIN 844K	

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

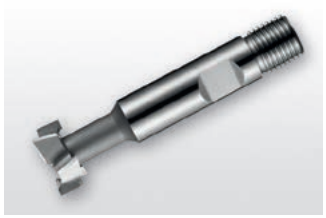
P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	K1.1	K1.2
■46 D	■52 D	■54 D	■40 D	◪35 D	◪32 D	◪26 C	◪19 C	◪34 D	◪29 D	◪31 D	◪25 C	◪30 D	◪22 D
K1.3	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**
◪17 D	◪49 D	◪40 D	◪32 C	◪44 D	◪33 D	◪27 B	◪40 C	◪30 C	◪22 C	◪19 B	◪16 B	◪46 C	◪34 C
K5.3	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S2.1**
◪27 C	◪81 F	◪60 E	◪41 E	◪41 D	◪37 D	◪26 D	■43 D	◪25 D	■13 D	◪43 D	■30 C	◪25 C	◪20 B
S3.1	**S4.1**												
◪15 B	◪12 B												

DCON MS公差h6; RE ±0.05 mm

产品型号	DC (mm)	RE (mm)	DCON MS (mm)	APMX (mm)	OAL (mm)	NOF	LU (mm)	DN (mm)
C5053.0	3.00	1.50	6.00	8.00	52.0	2	–	–
C5054.0	4.00	2.00	6.00	11.00	55.0	2	–	–
C5055.0	5.00	2.50	6.00	13.00	57.0	2	–	–
C5056.0	6.00	3.00	6.00	13.00	57.0	2	–	–
C5058.0	8.00	4.00	10.00	19.00	69.0	2	–	–
C50510.0	10.00	5.00	10.00	22.00	72.0	2	–	–
C50512.0	12.00	6.00	12.00	26.00	83.0	2	–	–
C50514.0	14.00	7.00	12.00	26.00	83.0	2	37.50	11.50
C50516.0	16.00	8.00	16.00	32.00	92.0	2	43.50	15.50
C50520.0	20.00	10.00	20.00	38.00	104.0	2	53.50	19.50
C50522.0	22.00	11.00	20.00	38.00	104.0	2	53.50	19.50
C50525.0	25.00	12.50	25.00	45.00	121.0	2	64.50	24.50
C50528.0	28.00	14.00	25.00	45.00	121.0	2	64.50	24.50
C50530.0	30.00	15.00	25.00	45.00	121.0	2	64.50	24.50

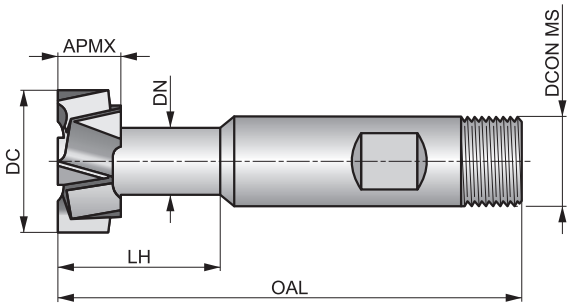
C800

DORMER



HSS-E T-型槽铣刀

适用于铣削T-型槽。组合式刀柄可在所有类型的刀柄中提供准确和稳定夹持，能够铣削T-型槽以容纳标准T-型螺栓。光亮表面可以防止工件材料黏附于切削刃上。



HSS-E	N	NOF 6-8
λ 15°	γ 10°	DIN 1835
Bright	DC d11	
DIN 851		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■40 V	■45 V	■46 V	■34 V	■30 U	■27 T	■29 U	■24 U	■20 T	■18 U	■15 T	■12 T	■27 S	■23 S
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■24 S	■20 S	■17 S	■15 S	■14 S	■10 S	■20 V	■15 V	■11 V	■37 U	■30 U	■24 U	■33 U	■25 U
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■20 U	■30 S	■23 S	■17 S	■14 S	■12 S	■34 U	■26 U	■20 U	■71 Y	■53 Y	■36 Y	■36 Y	■32 Y
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■23 Y	■38 V	■22 V	■11 W	■38 Y	■30 V	■20 V	■10 U	■13 U	■7 T	■10 U	■5 T	■8 U	■4 T

DCON MS公差h6

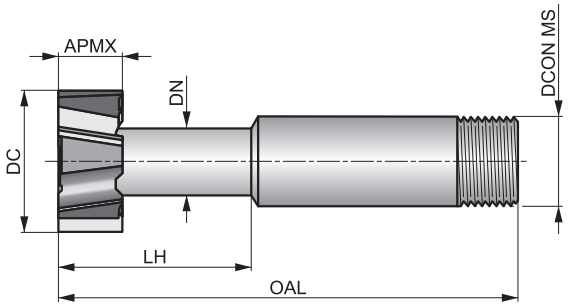
产品型号	APMX (mm)	DC (mm)	T DIN650	DN (mm)	LH (mm)	OAL (mm)	DCON MS (mm)	NOF
C80011.0X5.0	4.00	11.00	5	4.00	10.5	53.5	10.00	6
C80012.5X6.0	6.00	12.50	6	5.00	15.0	57.0	10.00	6
C80016.0X8.0	8.00	16.00	8	7.00	20.0	62.0	10.00	6
C80018.0X10.0	8.00	18.00	10	8.00	23.0	70.0	12.00	6
C80021.0X12.0	9.00	21.00	12	10.00	27.0	74.0	12.00	8
C80025.0X14.0	11.00	25.00	14	12.00	31.0	82.0	16.00	8
C80032.0X18.0	14.00	32.00	18	15.00	40.0	90.0	16.00	8
C80040.0X22.0	18.00	40.00	22	19.00	45.0	108.0	25.00	8
C80050.0X28.0	22.00	50.00	28	25.00	56.0	124.0	32.00	8

C810

DORMER

HSS T-型槽铣刀

适用于铣削带有螺钉柄的T-型槽，以确保牢固的固定，能够铣削T-型槽以容纳标准T-型螺栓。光亮表面可以防止工件材料黏附于切削刃上。



HSS	N	NOF 6-8
λ 12°	γ 10°	DIN 1835D
Bright	DC d11	
DORMER		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

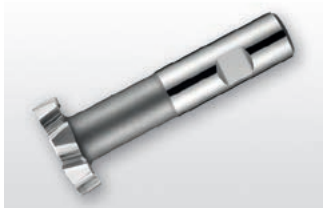
P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■27 V	■30 V	■31 V	■23 V	■20 U	◪18 T	■15 U	■12 U	◪10 T	■9 U	◪7 T	◪6 T	■21 S	■17 S
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■18 S	■15 S	◪12 S	◪10 S	◪9 S	◪10 S	■20 V	■15 V	■11 V	■25 U	■20 U	■16 U	■22 U	■17 U
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■13 U	■20 S	■15 S	■11 S	■10 S	■8 S	■23 U	■17 U	■13 U	■48 Y	■36 Y	■24 Y	■24 Y	■22 Y
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■16 Y	■26 V	■15 V	■8 W	◪26 Y	■20 V	◪15 V	◪5 U	◪7 U	◪7 T	◪5 U	◪5 T	◪4 U	◪4 T

DCON MS公差0 – 0.025 mm

产品型号	APMX (inch)	APMX (mm)	DC (inch)	DC (mm)	T DIN650	DN (mm)	LH (mm)	OAL (mm)	DCONMS (inch)	DCON MS (mm)	NOF
C8106.0	–	6.00	–	12.50	6.0	5.00	17.0	57.0	–	10.00	6
C8108.0	–	8.00	–	16.00	8.0	7.00	21.0	61.0	–	10.00	6
C81010.0	–	8.00	–	18.00	10.0	8.00	25.0	65.0	–	12.00	6
C81012.0	–	9.00	–	21.00	12.0	10.00	29.0	69.0	–	12.00	6
C81014.0	–	11.00	–	25.00	14.0	12.00	34.0	79.0	–	16.00	6
C81016.0	–	12.00	–	28.00	16.0	13.00	35.0	76.0	–	16.00	6
C81018.0	–	14.00	–	32.00	18.0	15.00	41.0	98.0	–	25.00	8
C81020.0	–	16.00	–	36.00	20.0	17.00	46.0	100.0	–	25.00	8
C81022.0	–	18.00	–	40.00	22.0	19.00	51.0	108.0	–	25.00	8

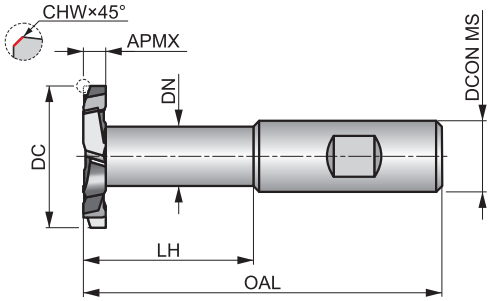
C825

DORMER



HSS-E 三面刃刀盘

通用三面刃铣刀盘用于铣槽和铣槽。侧固刀柄提供准确和稳定的夹持，而三面刃铣刀盘非常适合在垂直的面上铣槽。光亮表面可以防止工件材料黏附于切削刃上。



HSS-E	N	NOF 8-12
λ 15°	γ 15°	DIN 1835B
Bright	DC js16	
DORMER		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

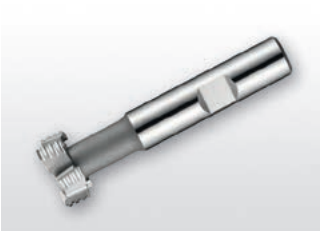
P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■40 V	■45 V	■46 V	■34 V	■30 U	■27 T	■22 U	■18 U	■15 T	■13 U	■11 T	■9 T	■21 S	■17 S
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■18 S	■15 S	■12 S	■10 S	■9 S	■10 S	■25 V	■19 V	■14 V	■37 U	■30 U	■24 U	■33 U	■25 U
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■20 U	■30 S	■23 S	■17 S	■14 S	■12 S	■34 U	■26 U	■20 U	■71 Y	■53 Y	■36 Y	■36 Y	■32 Y
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■23 Y	■38 V	■22 V	■11 W	■38 Y	■35 V	■20 V	■10 U	■7 U	■7 T	■5 U	■5 T	■4 U	■4 T

DCON MS公差h6

产品型号	APMX (mm)	DC (mm)	CHW (mm)	DN (mm)	LH (mm)	OAL (mm)	DCON MS (mm)	NOF
C8253.0X40.0	3.00	40.00	0.15	19.20	49.0	100.0	20.00	8
C8254.0X40.0	4.00	40.00	0.15	19.20	49.0	100.0	20.00	8
C8255.0X40.0	5.00	40.00	0.15	19.20	49.0	100.0	20.00	8
C8256.0X40.0	6.00	40.00	0.15	19.20	49.0	100.0	20.00	8
C8258.0X40.0	8.00	40.00	0.15	19.20	49.0	100.0	20.00	8
C82510.0X40.0	10.00	40.00	0.15	19.20	49.0	100.0	20.00	8
C8256.0X63.0	6.00	63.00	0.15	24.20	73.0	130.0	25.00	12
C8258.0X63.0	8.00	63.00	0.15	24.20	73.0	130.0	25.00	12
C82510.0X63.0	10.00	63.00	0.15	24.20	73.0	130.0	25.00	12
C82512.0X63.0	12.00	63.00	0.15	24.20	73.0	130.0	25.00	12
C82514.0X63.0	14.00	63.00	0.15	24.20	73.0	130.0	25.00	12
C82516.0X63.0	16.00	63.00	0.15	24.20	73.0	130.0	25.00	12

C801

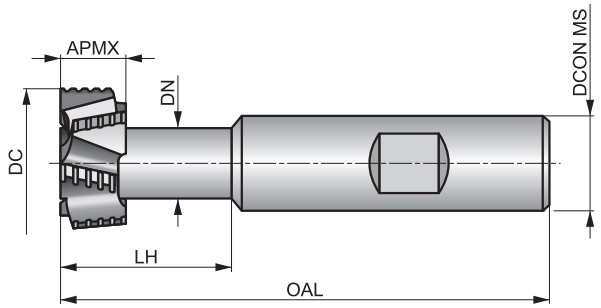
DORMER



HSS-E粗加工T-型槽铣刀

适用于粗铣加工T-型槽，采用标准T-型侧固螺纹螺刀柄，保持准确和稳定夹持。NF粗玉米齿断屑槽，可破损切屑，用于高效率的粗加工应用。光亮表面可以防止工件材料黏附于切削刃上。

HSS-E	NF	NOF 6-8
λ 12°	γ 10°	DIN 1835B
Bright	DC d11	
DIN 851		



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■40 V	■45 V	■46 V	■34 V	■30 U	■27 T	■29 U	■24 U	■20 T	■18 U	■15 T	■12 T	■34 S	■29 S
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■31 S	■25 S	■17 S	■15 S	■14 S	■15 S	■25 V	■19 V	■14 V	■43 U	■35 U	■28 U	■38 U	■29 U
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■24 U	■35 S	■27 S	■20 S	■17 S	■14 S	■40 U	■30 U	■23 U	■71 Y	■53 Y	■36 Y	■36 Y	■32 Y
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■23 Y	■38 V	■22 V	■11 W	■38 Y	■30 V	■20 V	■10 U	■13 U	■7 T	■10 U	■5 T	■8 U	■4 T

DCON MS公差h6

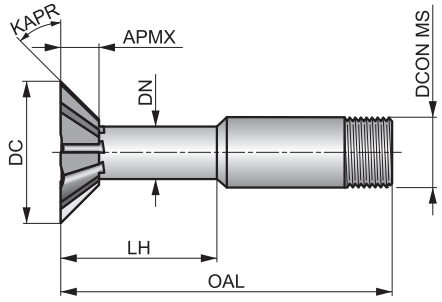
产品型号	APMX (mm)	DC (mm)	T DIN650	DN (mm)	LH (mm)	OAL (mm)	DCON MS (mm)	NOF
C80116.0X8.0	8.00	16.00	8	7.00	18.0	62.0	10.00	6
C80118.0X10.0	8.00	18.00	10	8.00	21.0	70.0	12.00	6
C80121.0X12.0	9.00	21.00	12	10.00	25.0	74.0	12.00	6
C80125.0X14.0	11.00	25.00	14	12.00	28.0	82.0	16.00	8
C80132.0X18.0	14.00	32.00	18	15.00	36.0	90.0	16.00	8

C837

DORMER

HSS 燕尾槽铣刀

设计具有一个45°角，可铣削普通燕尾槽。具有一个螺纹刀柄，以确保刀具可以安全地夹持。适用于铣削燕尾槽式。光亮表面可以防止工件材料黏附于切削刃上。



HSS	N	NOF 6-8
λ 0°	γ 0°	DIN 1835D
Bright		DORMER

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■20 Y	■22 Y	■23 Y	■17 Y	■15 X	◪13 X	■15 X	■12 X	◪10 X	■9 X	◪7 X	◪6 X	■14 W	■12 W
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■12 W	■10 W	◪12 W	◪10 W	◪9 W	◪5 W	■15 Y	■11 Y	■8 Y	■18 X	■15 X	■12 X	■16 X	■12 X
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■10 X	■15 W	■11 W	■8 W	■7 W	■6 W	■17 X	■13 X	■10 X	■36 Z	■27 Z	■18 Z	■18 Z	■16 Z
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**
■12 Z	■19 Y	■11 Y	■6 Z	◪19 Z	■15 Y	◪10 Y	◪5 X	◪7 W	◪7 W	◪5 W	◪5 W	◪4 W	◪4 W

DCON MS公差0 – 0.025 mm

产品型号	KAPR	APMX	DC	DC	DN	LH	OAL	DCONMS	DCON MS	NOF
	(°)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(inch)	(mm)	
C83713.0	45	3.00	–	13.00	4.75	19.5	63.5	–	12.00	6
C8375/8 [1]	45	4.00	5/8	15.88	6.35	21.5	66.5	1/2	12.70	6
C83716.0	45	4.00	–	16.00	6.35	21.5	66.5	–	12.00	6
C83719.0	45	5.50	–	19.00	6.35	21.5	66.5	–	12.00	6
C8373/4 [1]	45	5.50	3/4	19.05	6.35	21.5	66.5	1/2	12.70	6
C83722.0	45	6.50	–	22.00	7.15	22.5	68.5	–	12.00	6
C8377/8 [1]	45	6.50	7/8	22.23	7.15	22.5	68.5	1/2	12.70	6
C83725.0	45	7.50	–	25.00	7.95	24.0	70.0	–	12.00	6
C8371 [1]	45	8.00	1″	25.40	7.95	24.0	70.0	1/2	12.70	6
C83728.0	45	8.50	–	28.00	9.55	25.5	71.5	–	16.00	6
C83738.0	45	10.50	–	38.00	12.70	26.5	78.5	–	25.00	8

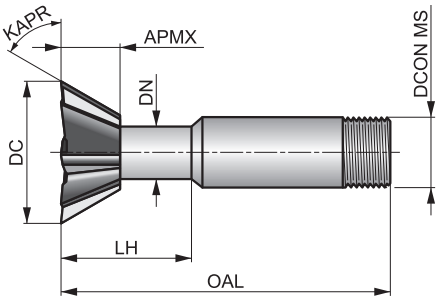
[1] 标准 – BS 122/4

C835

DORMER

HSS 燕尾槽铣刀

设计具有一个60°角，可铣削普通燕尾槽。螺纹刀柄，以确保刀具可以安全地夹持。光亮表面可以防止工件材料黏附于切削刃上。



HSS	N	NOF 6-8
λ 0°	γ 0°	DIN 1835D
Bright		DORMER

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■20 Y	■22 Y	■23 Y	■17 Y	■15 X	◪13 X	■15 X	■12 X	◪10 X	■9 X	◪7 X	◪6 X	■14 W	■12 W
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■12 W	■10 W	◪12 W	◪10 W	◪9 W	◪5 W	■15 Y	■11 Y	■8 Y	■18 X	■15 X	■12 X	■16 X	■12 X
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■10 X	■15 W	■11 W	■8 W	■7 W	■6 W	■17 X	■13 X	■10 X	■36 Z	■27 Z	■18 Z	■18 Z	■16 Z
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**
■12 Z	■19 Y	■11 Y	■6 Z	◪19 Z	■15 Y	◪10 Y	◪5 X	◪7 W	◪7 W	◪5 W	◪5 W	◪4 W	◪4 W

DCON MS公差0 – 0.025 mm

产品型号	KAPR	APMX	DC	DC	DN	LH	OAL	DCONMS	DCON MS	NOF
	(°)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(inch)	(mm)	
C8351/2 [1]	60	4.00	1/2	12.70	7.15	20.5	63.5	1/2	12.70	6
C83513.0	60	4.00	–	13.00	7.15	20.5	63.5	–	12.00	6
C8355/8 [1]	60	5.50	5/8	15.88	7.55	23.5	66.5	1/2	12.70	6
C83516.0	60	5.50	–	16.00	7.55	23.5	66.5	–	12.00	6
C83519.0	60	7.00	–	19.00	8.35	24.5	67.5	–	12.00	6
C8353/4 [1]	60	7.00	3/4	19.05	8.35	24.5	67.5	1/2	12.70	6
C83522.0	60	9.50	–	22.00	8.75	24.5	67.5	–	12.00	6
C8357/8 [1]	60	9.50	7/8	22.23	8.75	24.5	67.5	1/2	12.70	6
C83525.0	60	12.00	–	25.00	8.75	27.0	70.0	–	12.00	6
C8351 [1]	60	12.00	1″	25.40	8.75	27.0	70.0	1/2	12.70	6
C83528.0	60	12.50	–	28.00	11.10	28.0	73.0	–	16.00	6
C8351.1/8 [1]	60	12.50	1.1/8	28.58	11.10	28.0	73.0	5/8	15.88	6
C83532.0	60	13.50	–	32.00	12.70	29.5	74.5	–	16.00	8
C8351.1/4 [1]	60	13.50	1.1/4	31.75	12.70	29.5	74.5	5/8	15.88	8
C8351.3/8 [1]	60	14.50	1.3/8	34.93	12.70	30.5	82.5	1″	25.40	8
C83535.0	60	14.50	–	35.00	12.70	30.5	82.5	–	25.00	8
C83538.0	60	16.00	–	38.00	17.45	32.0	84.0	–	25.00	8
C8351.1/2 [1]	60	16.00	1.1/2	38.10	17.45	32.0	84.0	1″	25.40	8

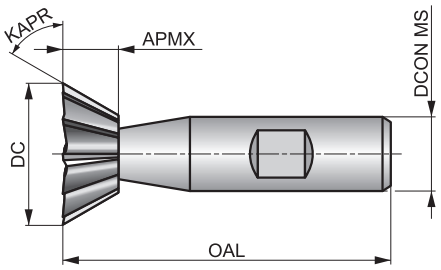
[1] 标准 – BS 122/4

C830

DORMER

HSS-E 燕尾槽铣刀

设计成带有可选的45°和60°角以及侧固刀柄，以实现精确和稳定的夹持，适用于常见的燕尾槽形式。光亮表面可以防止工件材料黏附于切削刃上。



HSS-E	N	NOF 10-12
λ 0°	γ 0°	DIN 1835B
Bright	DC js16	
DIN 1833C		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■33 Y	■37 Y	■38 Y	■28 Y	■25 X	■22 X	■22 X	■18 X	■15 X	■13 X	■11 X	■9 X	■27 W	■23 W
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■24 W	■20 W	■17 W	■15 W	■14 W	■10 W	■20 Y	■15 Y	■11 Y	■31 X	■25 X	■20 X	■27 X	■21 X
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■17 X	■25 W	■19 W	■14 W	■12 W	■10 W	■29 X	■21 X	■17 X	■59 Z	■44 Z	■30 Z	■30 Z	■27 Z
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■19 Z	■31 Y	■18 Y	■9 Z	■31 Z	■25 Y	■15 Y	■10 X	■13 W	■7 W	■10 W	■5 W	■8 W	■4 W

DCON MS公差h6

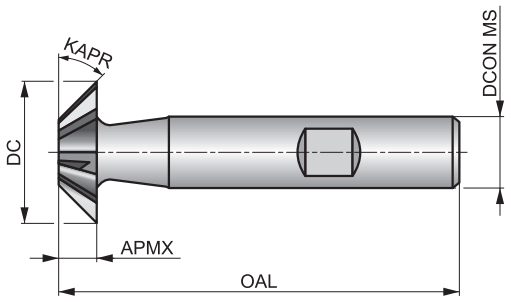
产品型号	KAPR (°)	APMX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	NOF
C83012.0X45	45	3.50	12.00	54.0	10.00	10
C83016.0X45	45	4.00	16.00	60.0	12.00	10
C83020.0X45	45	5.00	20.00	63.0	12.00	10
C83025.0X45	45	6.30	25.00	67.0	12.00	10
C83032.0X45	45	8.00	32.00	71.0	16.00	12
C83012.0X60	60	5.00	12.00	54.0	10.00	10
C83016.0X60	60	6.30	16.00	60.0	12.00	10
C83020.0X60	60	8.00	20.00	63.0	12.00	10
C83025.0X60	60	10.00	25.00	67.0	12.00	10
C83032.0X60	60	12.50	32.00	71.0	16.00	12

C831

DORMER

HSS-E倒燕尾槽铣刀

适用于铣削带有可选45°和60°角度的普通倒燕尾槽和侧固刀柄，以实现精确和稳定的夹持。光亮表面可以防止工件材料黏附于切削刃上。



HSS-E	N	NOF 10-12
λ 0°	γ 0°	DIN 1835B
Bright	DC js16	
DIN 1833D		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■33 Y	■37 Y	■38 Y	■28 Y	■25 X	■22 X	■22 X	■18 X	■15 X	■13 X	■11 X	■9 X	■27 W	■23 W
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■24 W	■20 W	■17 W	■15 W	■14 W	■10 W	■20 Y	■15 Y	■11 Y	■31 X	■25 X	■20 X	■27 X	■21 X
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■17 X	■25 W	■19 W	■14 W	■12 W	■10 W	■29 X	■21 X	■17 X	■59 Z	■44 Z	■30 Z	■30 Z	■27 Z
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■19 Z	■31 Y	■18 Y	■9 Z	■31 Z	■25 Y	■15 Y	■10 X	■13 W	■7 W	■10 W	■5 W	■8 W	■4 W

DCON MS公差h6

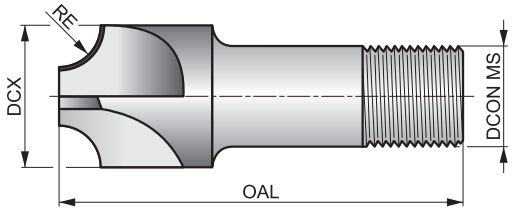
产品型号	KAPR (°)	APMX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	NOF
C83112.0X45	45	3.50	12.00	54.0	10.00	10
C83116.0X45	45	4.00	16.00	60.0	12.00	10
C83120.0X45	45	5.00	20.00	63.0	12.00	10
C83125.0X45	45	6.30	25.00	67.0	12.00	10
C83132.0X45	45	8.00	32.00	71.0	16.00	12
C83112.0X60	60	5.00	12.00	54.0	10.00	10
C83116.0X60	60	6.30	16.00	60.0	12.00	10
C83120.0X60	60	8.00	20.00	63.0	12.00	10
C83125.0X60	60	10.00	25.00	67.0	12.00	10
C83132.0X60	60	12.50	32.00	71.0	16.00	12

C710

DORMER

HSS圆弧倒角铣刀

具有精确的圆弧半径，能够围绕零件的周边铣削圆角。螺纹刀柄确保刀具是安全性，并提高圆角表面光洁度。可用于圆角铣削。光亮表面。



HSS	N	NOF 4
	λ 0°	γ 0°
DIN 1835D	Bright	
BS 122/4		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■20 W	■22 W	■23 W	■17 W	■15 W	◪13 W	■15 W	■12 W	◪10 W	■9 W	◪7 W	◪6 W	■21 U	■17 U
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■18 U	■15 U	■12 U	■10 U	◪9 U	◪5 U	■20 W	■15 W	■11 W	■18 W	■15 W	■12 W	■16 W	■12 W
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■10 W	■15 U	■11 U	■8 U	■7 U	■6 U	■17 W	■13 W	■10 W	■36 X	■27 X	■18 X	■18 X	■16 X
N2.3	N3.1	N3.2	N3.3	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	
■12 X	■19 X	■11 X	■6 X	■15 U	■10 U	◪5 U	■7 U	◪7 U	■5 U	◪5 U	■4 U	◪4 U	

DCON MS公差h8

产品型号	RE (inch)	DCX (inch)	DCONMS (inch)	DCON MS (mm)	OAL (mm)	NOF
C7101/16	1/16	3/8	3/8	9.53	60.5	4
C7101/8	1/8	1/2	1/2	12.70	60.5	4
C7105/32	5/32	9/16	1/2	12.70	60.5	4
C7103/16	3/16	5/8	5/8	15.88	60.5	4
C7101/4	1/4	7/8	5/8	15.88	63.5	4
C7103/8	3/8	1.1/16	1"	25.40	76.0	4
C7101/2	1/2	1.3/8	1"	25.40	82.5	4

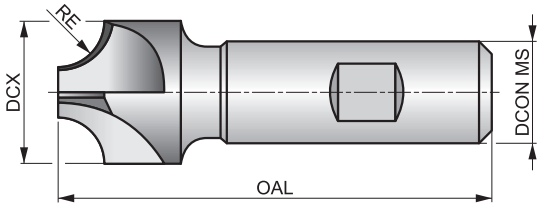
C700

DORMER

HSS-E圆弧倒角铣刀

具有精确的圆弧半径，适用于在零件加工出精确的圆弧倒角。侧固刀柄可确保稳定夹持，同时改善圆角表面光洁度。适用于圆弧倒角铣削。光亮表面。

HSS-E	N	NOF 4-6
	λ 0°	γ 0°
DIN 1835B	Bright	
DORMER		



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■33 W	■37 W	■38 W	■28 W	■25 W	■22 W	■22 W	■18 W	■15 W	■13 W	■11 W	■9 W	■27 U	■23 U
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■24 U	■20 U	■17 U	■15 U	■14 U	■10 U	■20 W	■15 W	■11 W	■31 W	■25 W	■20 W	■27 W	■21 W
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■17 W	■25 U	■19 U	■14 U	■12 U	■10 U	■29 W	■21 W	■17 W	■57 X	■43 X	■29 X	■29 X	■26 X
N2.3	N3.1	N3.2	N3.3	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	
■19 X	■30 X	■17 X	■9 X	■25 U	■20 U	■10 U	■13 U	■7 U	■10 U	■5 U	■8 U	■4 U	

DCON MS公差h6

产品型号	RE (mm)	DCX (mm)	DCON MS (mm)	OAL (mm)	NOF
C7001.0	1.00	10.00	10.00	60.0	4
C7001.5	1.50	10.00	10.00	60.0	4
C7002.0	2.00	10.00	10.00	60.0	4
C7002.5	2.50	10.00	10.00	60.0	4
C7003.0	3.00	12.00	12.00	60.0	4
C7003.5	3.50	12.00	12.00	60.0	4
C7004.0	4.00	15.00	12.00	60.0	4
C7005.0	5.00	18.00	16.00	70.0	4
C7006.0	6.00	21.00	16.00	70.0	4
C7007.0	7.00	24.00	16.00	70.0	4
C7008.0	8.00	24.00	16.00	70.0	4
C7009.0	9.00	28.00	20.00	85.0	4
C70010.0	10.00	28.00	20.00	85.0	4
C70012.0	12.00	35.00	20.00	100.0	4
C70012.5	12.50	35.00	20.00	100.0	4
C70014.0	14.00	42.00	25.00	100.0	4
C70015.0	15.00	48.00	25.00	105.0	5
C70016.0	16.00	48.00	25.00	105.0	5
C70020.0	20.00	60.00	32.00	115.0	6

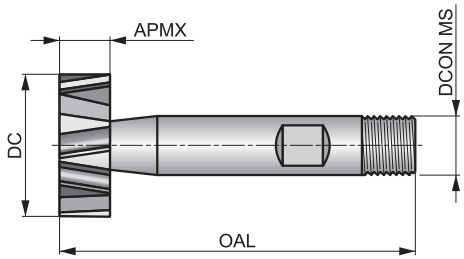
C822

DORMER

HSS-E半圆刃T-型槽铣刀

适用于铣削主轴和轴的键槽。组合式刀柄可在所有类型的刀柄中提供准确和稳定夹持。光亮表面可以防止工件材料黏附于切削刃上。

HSS-E	N	NOF 6-12
λ 10°	γ 10°	DIN 1835
Bright	DC h11	
DIN 850		



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■40 V	■45 V	■46 V	■34 V	■30 U	■27 T	■29 U	■24 U	■20 T	■18 U	■15 T	■12 T	■34 S	■29 S
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■31 S	■25 S	■17 S	■15 S	■14 S	■15 S	■25 V	■19 V	■14 V	■37 U	■30 U	■24 U	■33 U	■25 U
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■20 U	■30 S	■23 S	■17 S	■14 S	■12 S	■34 U	■26 U	■20 U	■71 Y	■53 Y	■36 Y	■36 Y	■32 Y
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■23 Y	■38 V	■22 V	■11 W	■38 Y	■30 V	■20 V	■10 U	■13 U	■7 T	■10 U	■5 T	■8 U	■4 T

DCON MS公差h6

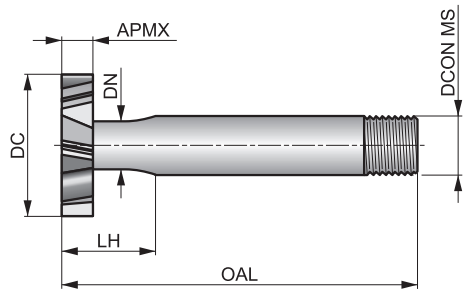
产品型号	APMX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	NOF
C8224.5X1.0	1.00	4.50	50.0	6.00	6
C8227.5X1.5	1.50	7.50	50.0	6.00	6
C8227.5X2.0	2.00	7.50	50.0	6.00	6
C82210.5X2.0	2.00	10.50	50.0	6.00	8
C82210.5X2.5	2.50	10.50	50.0	6.00	8
C82210.5X3.0	3.00	10.50	50.0	6.00	8
C82213.5X3.0	3.00	13.50	56.0	10.00	8
C82213.5X4.0	4.00	13.50	56.0	10.00	8
C82216.5X3.0	3.00	16.50	56.0	10.00	8
C82216.5X4.0	4.00	16.50	56.0	10.00	8
C82216.5X5.0	5.00	16.50	56.0	10.00	8
C82219.5X3.0	3.00	19.50	63.0	10.00	10
C82219.5X4.0	4.00	19.50	63.0	10.00	10
C82219.5X5.0	5.00	19.50	63.0	10.00	10
C82222.5X5.0	5.00	22.50	63.0	10.00	10
C82222.5X6.0	6.00	22.50	63.0	10.00	10
C82222.5X8.0	8.00	22.50	63.0	10.00	10
C82225.5X6.0	6.00	25.50	63.0	10.00	12
C82228.5X6.0	6.00	28.50	63.0	10.00	12
C82228.5X8.0	8.00	28.50	63.0	10.00	12
C82228.5X10.0	10.00	28.50	71.0	12.00	12
C82232.5X8.0	8.00	32.50	71.0	12.00	12
C82232.5X10.0	10.00	32.50	71.0	12.00	12
C82245.5X10.0	10.00	45.50	71.0	12.00	12

C820

DORMER

HSS半圆刃T-型槽铣刀

适用于铣削主轴和轴的键槽。螺纹刀柄确保安全的夹持。光亮表面可以防止工件材料黏附于切削刃上。



HSS	N	NOF 6-12
λ 12°	γ 10°	DIN 1835D
Bright		DORMER

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■27 V	■30 V	■31 V	■23 V	■20 U	◪18 T	■15 U	■12 U	◪10 T	■9 U	◪7 T	◪6 T	■21 S	■17 S
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■18 S	■15 S	■12 S	■10 S	◪9 S	◪10 S	■20 V	■15 V	■11 V	■25 U	■20 U	■16 U	■22 U	■17 U
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■13 U	■20 S	■15 S	■11 S	■10 S	■8 S	■23 U	■17 U	■13 U	■48 Y	■36 Y	■24 Y	■24 Y	■22 Y
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**
■16 Y	■26 V	■15 V	■8 W	◪26 Y	■20 V	◪15 V	◪10 U	◪7 U	◪7 T	◪5 U	◪5 T	◪4 U	◪4 T

DCON MS公差0 – 0.025 mm

产品型号	Nr.	APMX (inch)	APMX (mm)	DC (inch)	DC (mm)	DN (mm)	LH (mm)	OAL (mm)	DCONMS (inch)	DCON MS (mm)	NOF
C82010.5X2.0	–	–	2.00	–	10.50	3.90	12.0	57.0	–	12.00	6
C82010.5X2.5	–	–	2.50	–	10.50	3.90	12.5	57.0	–	12.00	6
C82010.5X3.0	–	–	3.00	–	10.50	4.20	13.0	57.0	–	12.00	6
C820204 [1)]	204	1/16	1.59	1/2	12.70	3.30	11.6	57.0	1/2	12.70	6
C820404 [1)]	404	1/8	3.18	1/2	12.70	4.85	13.2	57.0	1/2	12.70	6
C82013.5X2.0	–	–	2.00	–	13.50	4.00	12.0	57.0	–	12.00	6
C82013.5X2.5	–	–	2.50	–	13.50	4.00	12.5	57.0	–	12.00	6
C82013.5X3.0	–	–	3.00	–	13.50	5.00	13.0	57.0	–	12.00	6
C82013.5X4.0	–	–	4.00	–	13.50	5.00	14.0	57.0	–	12.00	6
C820405 [1)]	405	1/8	3.18	5/8	15.88	5.65	13.2	57.0	1/2	12.70	6
C820505 [1)]	505	5/32	3.97	5/8	15.88	6.35	14.0	57.0	1/2	12.70	6
C82016.5X2.5	–	–	2.50	–	16.50	4.00	12.5	57.0	–	12.00	6
C82016.5X3.0	–	–	3.00	–	16.50	5.00	13.0	57.0	–	12.00	6
C82016.5X4.0	–	–	4.00	–	16.50	5.00	14.0	57.0	–	12.00	6
C82016.5X5.0	–	–	5.00	–	16.50	5.60	15.0	57.0	–	12.00	6
C820406 [1)]	406	1/8	3.18	3/4	19.05	5.50	13.2	57.0	1/2	12.70	6
C820506 [1)]	506	5/32	3.97	3/4	19.05	6.35	14.0	57.0	1/2	12.70	6
C820606 [1)]	606	3/16	4.76	3/4	19.05	7.15	14.8	57.0	1/2	12.70	6
C82019.5X3.0	–	–	3.00	–	19.50	5.60	13.0	57.0	–	12.00	6
C82019.5X4.0	–	–	4.00	–	19.50	5.60	14.0	57.0	–	12.00	6
C82019.5X5.0	–	–	5.00	–	19.50	6.00	15.0	57.0	–	12.00	6
C820507 [1)]	507	5/32	3.97	7/8	22.23	6.35	14.0	63.5	1/2	12.70	8
C820607 [1)]	607	3/16	4.76	7/8	22.23	7.15	14.8	63.5	1/2	12.70	8
C820807 [1)]	807	1/4	6.35	7/8	22.23	8.75	16.4	63.5	1/2	12.00	8
C82022.5X4.0	–	–	4.00	–	22.50	5.60	14.0	63.5	–	12.00	8

产品型号	Nr.	APMX	APMX	DC	DC	DN	LH	OAL	DCONMS	DCON MS	NOF
		(inch)	(mm)	(inch)	(mm)	(mm)	(mm)	(mm)	(inch)	(mm)	
C82022.5X5.0	–	–	5.00	–	22.50	6.00	15.0	63.5	–	12.00	8
C82022.5X6.0	–	–	6.00	–	22.50	6.50	16.0	63.5	–	12.00	8
C820608 [1)]	608	3/16	4.76	1″	25.40	7.15	14.8	70.0	1/2	12.70	8
C820808 [1)]	808	1/4	6.35	1″	25.40	8.75	16.4	70.0	1/2	12.70	8
C82025.5X5.0	–	–	5.00	–	25.50	7.50	15.0	70.0	–	12.00	8
C82025.5X6.0	–	–	6.00	–	25.50	7.50	16.0	70.0	–	12.00	8
C82025.5X8.0	–	–	8.00	–	25.50	8.00	18.0	70.0	–	12.00	8
C82028.5X5.0	–	–	5.00	–	28.50	8.00	17.0	70.0	–	12.00	8
C82028.5X6.0	–	–	6.00	–	28.50	8.50	18.0	70.0	–	12.00	8
C82028.5X8.0	–	–	8.00	–	28.50	9.00	20.0	70.0	–	12.00	8
C820610 [1)]	610	3/16	4.76	1.1/4	31.75	7.95	16.8	70.0	1/2	12.70	10
C820810 [1)]	810	1/4	6.35	1.1/4	31.75	9.50	18.4	70.0	1/2	12.70	10
C8201210 [1)]	1210	3/8	9.53	1.1/4	31.75	11.95	21.5	70.0	1/2	12.70	10
C82032.5X5.0 [1)]	–	–	5.00	–	32.50	8.00	17.0	70.0	–	12.00	10
C82032.5X6.0	–	–	6.00	–	32.50	8.50	18.0	70.0	–	12.00	10
C82032.5X8.0	–	–	8.00	–	32.50	9.00	20.0	70.0	–	12.00	10
C820811 [1)]	811	1/4	6.35	1.3/8	34.93	11.10	26.4	76.0	1/2	12.70	10
C8201211 [1)]	1211	3/8	9.53	1.3/8	34.93	11.95	29.5	76.0	1/2	12.70	10
C82035.5X6.0	–	–	6.00	–	35.50	9.50	26.0	76.0	–	12.00	10
C82035.5X8.0	–	–	8.00	–	35.50	11.50	28.0	76.0	–	12.00	10
C820812 [1)]	812	1/4	6.35	1.1/2	38.10	11.10	26.4	76.0	1/2	12.70	10
C8201212 [1)]	1212	3/8	9.53	1.1/2	38.10	11.95	29.5	76.0	1/2	12.70	10
C82038.5X8.0	–	–	8.00	–	38.50	11.50	28.0	76.0	–	12.00	10
C82038.5X10.0	–	–	10.00	–	38.50	11.50	30.0	76.0	–	12.00	10
C82045.5X10.0	–	–	10.00	–	45.50	11.50	30.0	76.0	–	12.00	12

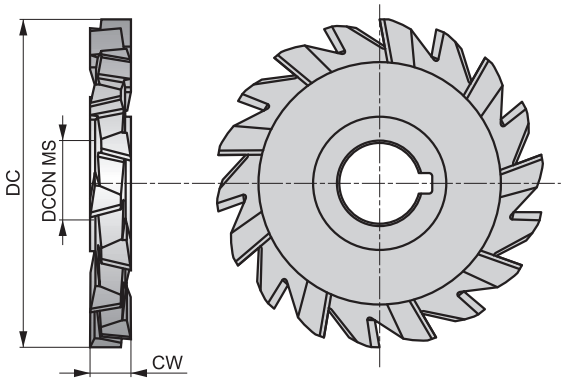
[1)] 标准 – BS 122/4

D200

DORMER

HSS-E 三面刃粗齿铣刀

多功能刀具设计，用于铣削水平槽，适用于宽，深槽。光亮表面可以防止工件材料黏附于切削刃上。



HSS-E	NOF 16-24	λ 15°
γ 10°	Bright	DC js16
DIN 885A		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■46 X	■52 X	■54 X	■40 X	■35 X	■31 X	■29 X	■24 X	■20 X	■18 X	■15 X	■12 X	■41 X	■35 X
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■37 X	■30 X	■23 X	■20 X	■18 X	■10 X	■30 X	■22 X	■17 X	■49 X	■40 X	■32 X	■44 X	■33 X
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■27 X	■40 X	■30 X	■22 X	■19 X	■16 X	■46 X	■34 X	■27 X	■83 X	■62 X	■42 X	■42 X	■37 X
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■27 X	■44 X	■25 X	■13 X	■44 S	■30 V	■20 W	■15 W	■20 W	■14 S	■15 W	■10 S	■12 W	■8 S

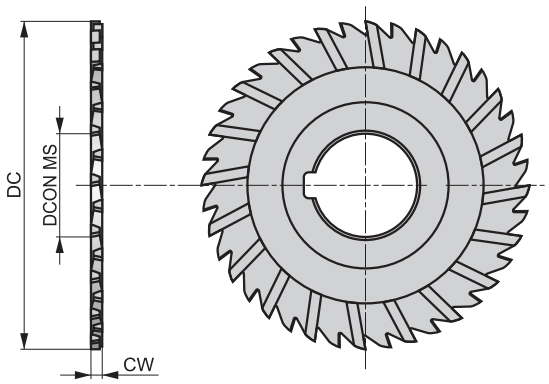
产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF
D20050.0X4.0	50.00	4.0	16.00	16
D20050.0X5.0	50.00	5.0	16.00	16
D20063.0X6.0	63.00	6.0	22.00	18
D20063.0X8.0	63.00	8.0	22.00	18
D20080.0X6.0	80.00	6.0	27.00	20
D20080.0X8.0	80.00	8.0	27.00	20
D20080.0X10.0	80.00	10.0	27.00	18
D200100.0X8.0	100.00	8.0	32.00	22
D200100.0X10.0	100.00	10.0	32.00	22
D200100.0X12.0	100.00	12.0	32.00	20
D200100.0X14.0	100.00	14.0	32.00	20
D200100.0X16.0	100.00	16.0	32.00	20
D200125.0X10.0	125.00	10.0	32.00	24
D200125.0X12.0	125.00	12.0	32.00	22

D763

DORMER

HSS-E 三面刃细齿铣刀

设计具有一个细波形刃，适用于窄槽，深槽，交错齿槽型也有助于在铣削过程中控制切屑。一种多用途的刀具，可用于水平铣槽和切断应用。光亮表面可以防止工件材料黏附于切削刃上。



HSS-E	28-44 NOF	λ 15°
γ 10°	Bright	DC js16
DIN 885A		

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■46 X	■52 X	■54 X	■40 X	■35 X	■31 X	■29 X	■24 X	■20 X	■18 X	■15 X	■12 X	■41 X	■35 X
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■37 X	■30 X	■23 X	■20 X	■18 X	■10 X	■30 X	■22 X	■17 X	■49 X	■40 X	■32 X	■44 X	■33 X
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■27 X	■40 X	■30 X	■22 X	■19 X	■16 X	■46 X	■34 X	■27 X	■83 X	■62 X	■42 X	■42 X	■37 X
N2.3	N3.1	N3.2	N3.3	N4.1	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
■27 X	■44 X	■25 X	■13 X	■44 S	■30 V	■20 W	■15 W	■20 W	■14 S	■15 W	■10 S	■12 W	■8 S

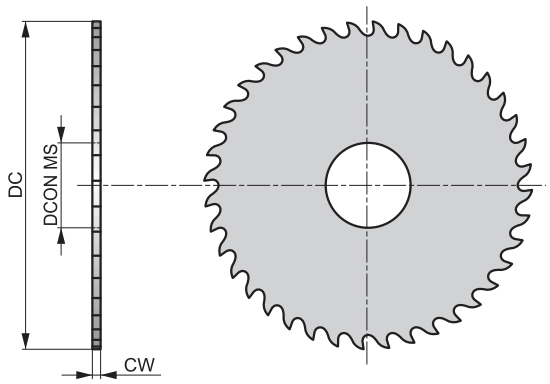
产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF
D76363.0X1.6	63.00	1.6	22.00	32
D76363.0X2.0	63.00	2.0	22.00	32
D76363.0X2.5	63.00	2.5	22.00	32
D76363.0X3.0	63.00	3.0	22.00	28
D76363.0X3.5	63.00	3.5	22.00	28
D76380.0X2.0	80.00	2.0	27.00	36
D76380.0X2.5	80.00	2.5	27.00	36
D76380.0X3.0	80.00	3.0	27.00	32
D76380.0X3.5	80.00	3.5	27.00	32
D763100.0X2.0	100.00	2.0	32.00	44
D763100.0X3.0	100.00	3.0	32.00	40
D763125.0X2.0	125.00	2.0	32.00	44
D763125.0X3.0	125.00	3.0	32.00	44

D745

DORMER

HSS粗齿锯片铣刀

设计具有一个粗波形刃，适用于窄槽，深槽，同时研磨表面和中性锯齿槽型，有助于控制切屑和防止铣削深槽时产生摩擦。可用于水平铣槽和切断应用。光亮表面。



HSS | 32-100 NOF | γ 15° | Bright | DIN 1838

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■40 Q	■45 Q	■46 Q	■34 Q	■30 Q	■29 P	■24 P	■18 P	◪14 P	◪12 P	◪12 P	◪10 P	◪12 P	◪10 P
K1.1	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K3.1**	**K3.2**	**K4.1**	**K4.2**	**K5.1**	**K5.2**	**N1.1**	**N1.2**	**N1.3**
■40 Q	■30 Q	■22 Q	■37 Q	■30 Q	■33 Q	■25 Q	■30 P	■23 P	■34 Q	■26 Q	■600 R	■450 R	■300 R
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**							
■769 R	■692 R	■500 R	■339 R	■200 R	■100 Q	■60 R							

产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF
D74550.0X.5	50.00	0.5	13.00	48
D74550.0X.6	50.00	0.6	13.00	48
D74550.0X.8	50.00	0.8	13.00	40
D74550.0X1.0	50.00	1.0	13.00	40
D74550.0X1.2	50.00	1.2	13.00	40
D74550.0X1.5	50.00	1.5	13.00	32
D74550.0X1.6	50.00	1.6	13.00	32
D74550.0X2.0	50.00	2.0	13.00	32
D74563.0X.5	63.00	0.5	16.00	64
D74563.0X.6	63.00	0.6	16.00	48
D74563.0X.8	63.00	0.8	16.00	48
D74563.0X1.0	63.00	1.0	16.00	48
D74563.0X1.2	63.00	1.2	16.00	40
D74563.0X1.5	63.00	1.5	16.00	40
D74563.0X1.6	63.00	1.6	16.00	40
D74563.0X2.0	63.00	2.0	16.00	40
D74580.0X1.0	80.00	1.0	22.00	48
D74580.0X1.2	80.00	1.2	22.00	48
D74580.0X1.5	80.00	1.5	22.00	48
D74580.0X1.6	80.00	1.6	22.00	48
D74580.0X2.0	80.00	2.0	22.00	40
D74580.0X2.5	80.00	2.5	22.00	40
D74580.0X3.0	80.00	3.0	22.00	40
D745100.0X1.0	100.00	1.0	22.00	64
D745100.0X1.2	100.00	1.2	22.00	64
D745100.0X1.5	100.00	1.5	22.00	48
D745100.0X1.6	100.00	1.6	22.00	48
D745100.0X2.0	100.00	2.0	22.00	48

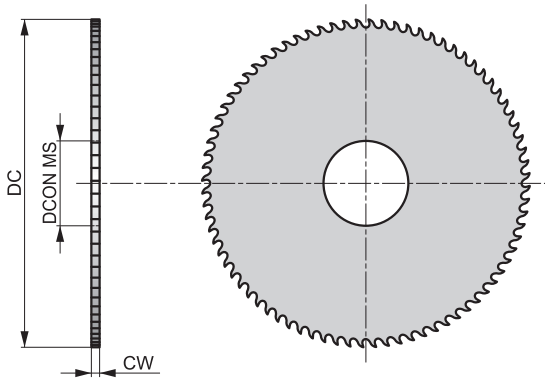
产品型号	DC	CW	DCON MS	NOF
	(mm)	(mm)	(mm)	
D745100.0X2.5	100.00	2.5	22.00	48
D745100.0X3.0	100.00	3.0	22.00	40
D745100.0X4.0	100.00	4.0	22.00	40
D745125.0X1.0	125.00	1.0	22.00	80
D745125.0X1.2	125.00	1.2	22.00	64
D745125.0X1.5	125.00	1.5	22.00	64
D745125.0X1.6	125.00	1.6	22.00	64
D745125.0X2.0	125.00	2.0	22.00	64
D745125.0X2.5	125.00	2.5	22.00	48
D745125.0X3.0	125.00	3.0	22.00	48
D745125.0X4.0	125.00	4.0	22.00	48
D745160.0X1.6	160.00	1.6	32.00	80
D745160.0X2.0	160.00	2.0	32.00	64
D745160.0X2.5	160.00	2.5	32.00	64
D745160.0X3.0	160.00	3.0	32.00	64
D745160.0X4.0	160.00	4.0	32.00	48
D745200.0X1.6	200.00	1.6	32.00	80
D745200.0X2.0	200.00	2.0	32.00	80
D745200.0X2.5	200.00	2.5	32.00	80
D745200.0X3.0	200.00	3.0	32.00	64
D745200.0X4.0	200.00	4.0	32.00	64
D745250.0X2.0	250.00	2.0	32.00	100
D745250.0X2.5	250.00	2.5	32.00	80
D745250.0X3.0	250.00	3.0	32.00	80

D747

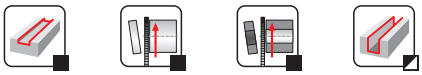
DORMER

HSS细齿锯片铣刀

设计具有一个中性锯齿槽型，有助于控制切屑和防止铣削深槽时产生摩擦。细波形刃设计使其适合窄槽，深槽，可用于水平铣槽和切断应用。光亮表面。



HSS | 48-200 NOF | γ 5° | Bright | DIN 1837



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■40 Q	■45 Q	■46 Q	■34 Q	■30 Q	■29 P	■24 P	■18 P	◪14 P	◪12 P	◪12 P	◪10 P	◪12 P	◪10 P
K1.1	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K3.1**	**K3.2**	**K4.1**	**K4.2**	**K5.1**	**K5.2**	**N1.1**	**N1.2**	**N1.3**
■40 Q	■30 Q	■22 Q	■37 Q	■30 Q	■33 Q	■25 Q	■30 P	■23 P	■34 Q	■26 Q	■600 R	■450 R	■300 R
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**							
■769 R	■692 R	■500 R	■339 R	■200 R	■100 Q	■60 R							

产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF
D74732.0X.3	32.00	0.3	8.00	80
D74732.0X.4	32.00	0.4	8.00	80
D74732.0X.5	32.00	0.5	8.00	80
D74732.0X.6	32.00	0.6	8.00	64
D74732.0X.8	32.00	0.8	8.00	64
D74732.0X1.0	32.00	1.0	8.00	64
D74732.0X1.2	32.00	1.2	8.00	48
D74732.0X1.5	32.00	1.5	8.00	48
D74732.0X1.6	32.00	1.6	8.00	48
D74732.0X2.0	32.00	2.0	8.00	48
D74740.0X.3	40.00	0.3	10.00	100
D74740.0X.4	40.00	0.4	10.00	100
D74740.0X.5	40.00	0.5	10.00	80
D74740.0X.6	40.00	0.6	10.00	80
D74740.0X.8	40.00	0.8	10.00	80
D74740.0X1.0	40.00	1.0	10.00	64
D74740.0X1.2	40.00	1.2	10.00	64
D74740.0X1.5	40.00	1.5	10.00	64
D74740.0X1.6	40.00	1.6	10.00	64
D74740.0X2.0	40.00	2.0	10.00	48
D74750.0X.3	50.00	0.3	13.00	128
D74750.0X.4	50.00	0.4	13.00	100
D74750.0X.5	50.00	0.5	13.00	100
D74750.0X.6	50.00	0.6	13.00	100
D74750.0X.8	50.00	0.8	13.00	80
D74750.0X1.0	50.00	1.0	13.00	80
D74750.0X1.2	50.00	1.2	13.00	80
D74750.0X1.5	50.00	1.5	13.00	64

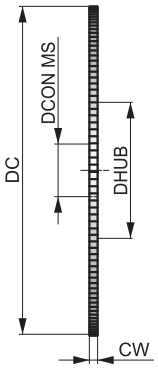
产品型号	DC	CW	DCON MS	NOF
	(mm)	(mm)	(mm)	
D74750.0X1.6	50.00	1.6	13.00	64
D74750.0X2.0	50.00	2.0	13.00	64
D74750.0X2.5	50.00	2.5	13.00	64
D74750.0X3.0	50.00	3.0	13.00	48
D74763.0X.5	63.00	0.5	16.00	128
D74763.0X.6	63.00	0.6	16.00	100
D74763.0X.8	63.00	0.8	16.00	100
D74763.0X1.0	63.00	1.0	16.00	100
D74763.0X1.2	63.00	1.2	16.00	80
D74763.0X1.5	63.00	1.5	16.00	80
D74763.0X1.6	63.00	1.6	16.00	80
D74763.0X2.0	63.00	2.0	16.00	80
D74763.0X2.5	63.00	2.5	16.00	64
D74763.0X3.0	63.00	3.0	16.00	64
D74763.0X4.0	63.00	4.0	16.00	64
D74780.0X.5	80.00	0.5	22.00	128
D74780.0X.6	80.00	0.6	22.00	128
D74780.0X.8	80.00	0.8	22.00	128
D74780.0X1.0	80.00	1.0	22.00	100
D74780.0X1.2	80.00	1.2	22.00	100
D74780.0X1.5	80.00	1.5	22.00	100
D74780.0X1.6	80.00	1.6	22.00	100
D74780.0X2.0	80.00	2.0	22.00	80
D74780.0X2.5	80.00	2.5	22.00	80
D74780.0X3.0	80.00	3.0	22.00	80
D74780.0X4.0	80.00	4.0	22.00	64
D747100.0X.5	100.00	0.5	22.00	160
D747100.0X.6	100.00	0.6	22.00	160
D747100.0X.8	100.00	0.8	22.00	128
D747100.0X1.0	100.00	1.0	22.00	128
D747100.0X1.2	100.00	1.2	22.00	128
D747100.0X1.5	100.00	1.5	22.00	100
D747100.0X1.6	100.00	1.6	22.00	100
D747100.0X2.0	100.00	2.0	22.00	100
D747100.0X2.5	100.00	2.5	22.00	100
D747100.0X3.0	100.00	3.0	22.00	80
D747100.0X4.0	100.00	4.0	22.00	80
D747125.0X1.0	125.00	1.0	22.00	160
D747125.0X1.2	125.00	1.2	22.00	128
D747125.0X1.5	125.00	1.5	22.00	128
D747125.0X1.6	125.00	1.6	22.00	128
D747125.0X2.0	125.00	2.0	22.00	128
D747125.0X2.5	125.00	2.5	22.00	100
D747125.0X3.0	125.00	3.0	22.00	100
D747125.0X4.0	125.00	4.0	22.00	100
D747160.0X1.0	160.00	1.0	32.00	160
D747160.0X1.2	160.00	1.2	32.00	160
D747160.0X1.5	160.00	1.5	32.00	160
D747160.0X1.6	160.00	1.6	32.00	160
D747160.0X2.0	160.00	2.0	32.00	128
D747160.0X2.5	160.00	2.5	32.00	128
D747160.0X3.0	160.00	3.0	32.00	128
D747160.0X4.0	160.00	4.0	32.00	100
D747160.0X5.0	160.00	5.0	32.00	100
D747200.0X1.0	200.00	1.0	32.00	200
D747200.0X1.2	200.00	1.2	32.00	200
D747200.0X2.0	200.00	2.0	32.00	160
D747200.0X3.0	200.00	3.0	32.00	128

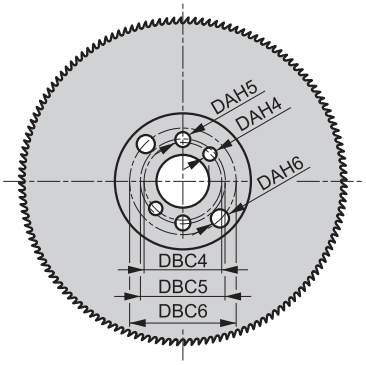
D752

DORMER

HSS粗齿锯片铣刀

设计具有粗波形刃，适用于薄型零件。同时研磨表面和中性锯齿槽型，有助于控制切屑，防止锯断管材时产生摩擦。适用于锯片铣削和切割。蒸汽氧化光洁度起到保留切削液和防止切屑与刀具粘焊的作用。





HSS | 110-180 NOF | γ 18° | ST | DORMER

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■40 Q	■45 Q	■46 Q	■34 Q	■30 Q	■29 P	■24 P	■18 P	◪14 P	◪12 P	◪12 P	◪10 P	◪12 P	◪10 P
K1.1	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K3.1**	**K3.2**	**K4.1**	**K4.2**	**K5.1**	**K5.2**	**N1.1**	**N1.2**	**N1.3**
■40 Q	■30 Q	■22 Q	■37 Q	■30 Q	■33 Q	■25 Q	■30 P	■23 P	■34 Q	■26 Q	■600 R	■450 R	■300 R
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**							
■769 R	■692 R	■500 R	■339 R	■200 R	■100 Q	■60 R							

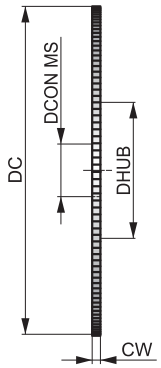
产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF	P (mm)	DHUB (mm)	DAH4 (mm)	DBC4 (mm)	DAH5 (mm)	DBC5 (mm)	DAH6 (mm)	DBC6 (mm)
D752250.0X2.0X128	250.00	2.0	32.00	128	6	100	8	45	9	50	11	63
D752275.0X2.5X110	275.00	2.5	32.00	110	8	100	8	45	9	50	11	63
D752300.0X2.5X160	300.00	2.5	32.00	160	6	100	8	45	9	50	11	63
D752315.0X2.5X160	315.00	2.5	32.00	160	6	100	8	45	9	50	11	63
D752350.0X2.5X180	350.00	2.5	32.00	180	6	120	8	45	9	50	11	63

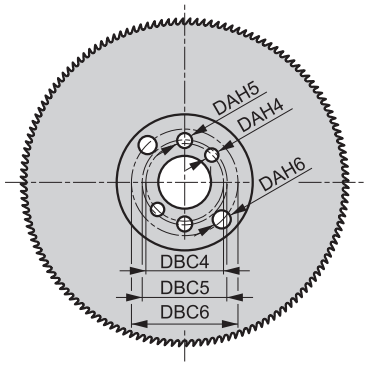
D753

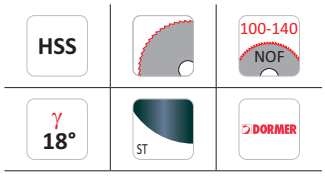
DORMER

HSS粗齿锯片铣刀

设计具有粗波形刃，适用于薄型零件。同时研磨表面和中性锯齿槽型，有助于控制切屑，防止锯断管材时产生摩擦。适用锯片铣削于和切割。蒸汽氧化光洁度起到保留切削液和防止切屑与刀具粘焊的作用。







工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■40 Q	■45 Q	■46 Q	■34 Q	■30 Q	■29 P	■24 P	■18 P	◪14 P	◪12 P	◪12 P	◪10 P	◪12 P	◪10 P
K1.1	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K3.1**	**K3.2**	**K4.1**	**K4.2**	**K5.1**	**K5.2**	**N1.1**	**N1.2**	**N1.3**
■40 Q	■30 Q	■22 Q	■37 Q	■30 Q	■33 Q	■25 Q	■30 P	■23 P	■34 Q	■26 Q	■600 R	■450 R	■300 R
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**							
■769 R	■692 R	■500 R	■339 R	■200 R	■100 Q	■60 R							

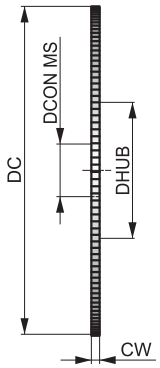
产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF	P (mm)	DHUB (mm)	DAH4 (mm)	DBC4 (mm)	DAH5 (mm)	DBC5 (mm)	DAH6 (mm)	DBC6 (mm)
D753250.0X2.0	250.00	2.0	32.00	100	8	100	8	45	9	50	11	63
D753300.0X2.5	300.00	2.5	32.00	120	8	100	8	45	9	50	11	63
D753315.0X2.5	315.00	2.5	32.00	120	8	100	8	45	9	50	11	63
D753350.0X2.5	350.00	2.5	32.00	140	8	120	8	45	9	50	11	63

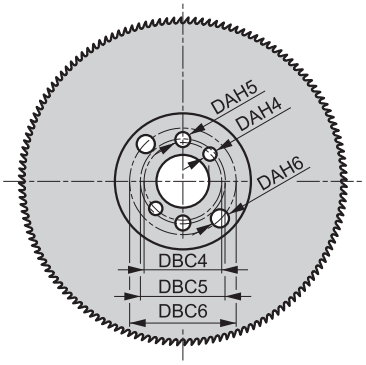
D750

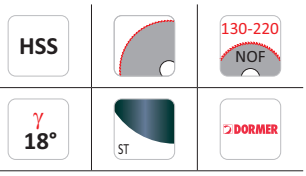
DORMER

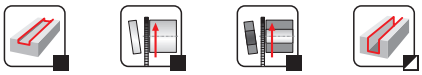
HSS细齿锯片铣刀

设计具有细波形刃，适用于薄片部件。适用于锯片铣削和切削。从130到220齿的范围，同时研磨表面和中性锯齿槽型，有助于控制切屑，防止锯断管材时产生摩擦。适用于和切割。蒸汽氧化光洁度起到保留切削液和防止切屑与刀具粘焊的作用。









工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■40 Q	■45 Q	■46 Q	■34 Q	■30 Q	■29 P	■24 P	■18 P	◪14 P	◪12 P	◪12 P	◪10 P	◪12 P	◪10 P
K1.1	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K3.1**	**K3.2**	**K4.1**	**K4.2**	**K5.1**	**K5.2**	**N1.1**	**N1.2**	**N1.3**
■40 Q	■30 Q	■22 Q	■37 Q	■30 Q	■33 Q	■25 Q	■30 P	■23 P	■34 Q	■26 Q	■600 R	■450 R	■300 R
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**							
■769 R	■692 R	■500 R	■339 R	■200 R	■100 Q	■60 R							

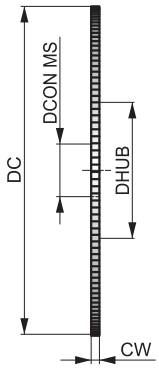
产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF	P (mm)	DHUB (mm)	DAH4 (mm)	DBC4 (mm)	DAH5 (mm)	DBC5 (mm)	DAH6 (mm)	DBC6 (mm)
D750200.0X1.8	200.00	1.8	32.00	130	5	100	8	45	9	50	11	63
D750225.0X2.0	225.00	2.0	32.00	140	5	100	8	45	9	50	11	63
D750250.0X2.0	250.00	2.0	32.00	160	5	100	8	45	9	50	11	63
D750275.0X2.5	275.00	2.5	32.00	180	5	100	8	45	9	50	11	63
D750300.0X2.5	300.00	2.5	32.00	180	5	100	8	45	9	50	11	63
D750315.0X2.5	315.00	2.5	32.00	200	5	100	8	45	9	50	11	63
D750350.0X2.5	350.00	2.5	32.00	220	5	120	8	45	9	59	11	63

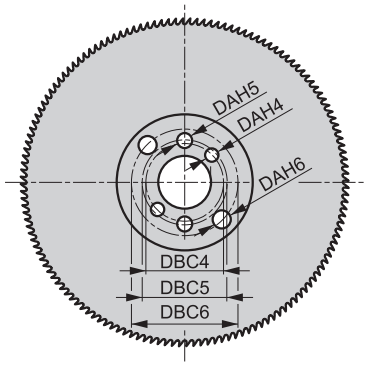
D751

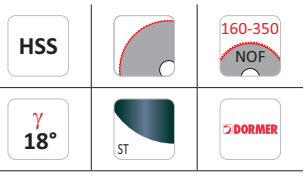
DORMER

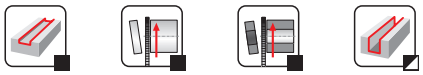
HSS细齿锯片铣刀

设计具有细波形刃，适用于薄片部件。适用于锯片铣削和切削。从160到350齿的范围，同时研磨表面和中性锯齿槽型，有助于控制切屑，防止锯断管材时产生摩擦。适用于和切割。蒸汽氧化光洁度起到保留切削液和防止切屑与刀具粘焊的作用。









工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P3.1	P3.2	P4.1	M1.1	M1.2	M2.1	M2.2	M3.1	M3.2
■40 Q	■45 Q	■46 Q	■34 Q	■30 Q	■29 P	■24 P	■18 P	◪14 P	◪12 P	◪12 P	◪10 P	◪12 P	◪10 P
K1.1	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K3.1**	**K3.2**	**K4.1**	**K4.2**	**K5.1**	**K5.2**	**N1.1**	**N1.2**	**N1.3**
■40 Q	■30 Q	■22 Q	■37 Q	■30 Q	■33 Q	■25 Q	■30 P	■23 P	■34 Q	■26 Q	■600 R	■450 R	■300 R
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**							
■769 R	■692 R	■500 R	■339 R	■200 R	■100 Q	■60 R							

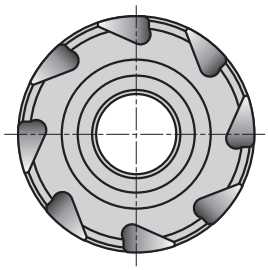
产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF	P (mm)	DHUB (mm)	DAH4 (mm)	DBC4 (mm)	DAH5 (mm)	DBC5 (mm)	DAH6 (mm)	DBC6 (mm)
D751200.0X1.8X160	200.00	1.8	32.00	160	4	100	8	45	9	50	11	63
D751200.0X1.8X200	200.00	1.8	32.00	200	3	100	8	45	9	50	11	63
D751225.0X2.0X180	225.00	2.0	32.00	180	4	100	8	45	9	50	11	63
D751225.0X2.0X220	225.00	2.0	32.00	220	3	100	8	45	9	50	11	63
D751250.0X2.0X200	250.00	2.0	32.00	200	4	100	8	45	9	50	11	63
D751250.0X2.0X250	250.00	2.0	32.00	250	3	100	8	45	9	50	11	63
D751275.0X2.5X220	275.00	2.5	32.00	220	4	100	8	45	9	50	11	63
D751275.0X2.5X280	275.00	2.5	32.00	280	3	100	8	45	9	50	11	63
D751300.0X2.5X220	300.00	2.5	32.00	220	4	100	8	45	9	50	11	63
D751300.0X2.5X300	300.00	2.5	32.00	300	3	100	8	45	9	50	11	63
D751315.0X2.5X240	315.00	2.5	32.00	240	4	100	8	45	9	50	11	63
D751315.0X2.5X320	315.00	2.5	32.00	320	3	100	8	45	9	50	11	63
D751350.0X2.5X280	350.00	2.5	32.00	280	4	120	8	45	9	50	11	63
D751350.0X2.5X350	350.00	2.5	32.00	350	3	120	8	45	9	50	11	63

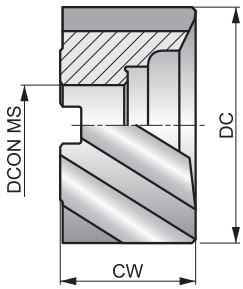
D400

DORMER

HSS-E刀盘，光亮

标准孔径尺寸适合于面铣刀柄，可用于铣槽和切削，最大直径63 mm。适用于铣槽和铣削。光亮表面。





HSS-E	N	NOF 8
λ 30°	γ 12°	Bright
DC js16		DIN 1880

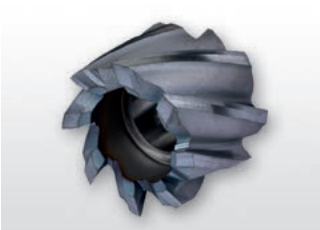
工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■40 C	■45 C	■46 C	■34 C	■30 C	◪27 B	■29 C	■24 B	◪20 B	■18 B	◪15 B	◪12 B	■34 C	■29 C
M2.1	**M2.2**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**	**K3.1**	**K3.2**
■31 C	■25 B	◪17 B	◪15 B	■14 A	■10 A	■20 C	■15 C	■11 C	■37 C	■30 C	■24 B	■33 C	■25 C
K3.3	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**	**N2.1**	**N2.2**
■20 A	■30 B	■23 B	■17 B	■14 A	■12 A	■34 B	■26 B	■20 B	◪76 E	◪57 D	■38 D	■38 C	■34 C
N2.3	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**
■25 C	■40 C	■23 C	■12 C	◪40 C	◪15 C	◪17 C	■30 B	◪20 B	◪10 A	◪13 A	◪7 A	◪10 A	◪5 A
S4.1	**S4.2**												
◪8 A	◪4 A												

产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF
D40040.0	40.00	32.0	16.00	8
D40050.0	50.00	36.0	22.00	8
D40063.0	63.00	40.0	27.00	8

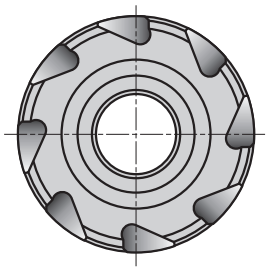
D420

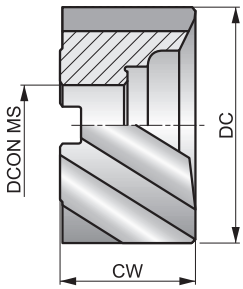
DORMER



HSS-E刀盘，TiCN涂层

标准孔径尺寸适合于标准的面铣刀柄，可用于铣槽和切削。多种尺寸可供选择，最大直径63 mm。TiCN涂层增加刀具寿命，铣削硬材料和耐磨材料时提高性能。





HSS-E	N	NOF 8
λ 30°	γ 12°	TiCN
DC js16		DIN 1880

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■86 C	■96 C	■100 C	■74 C	■65 C	■57 B	■52 C	■42 B	■35 B	■31 B	■26 B	■21 B	■48 C	■41 C
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■43 C	■35 B	■35 B	■30 B	■27 A	■20 A	■35 C	■26 C	■19 C	■62 C	■50 C	■40 B	■54 C	■42 C
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■34 A	■50 B	■38 B	■28 B	■24 A	■20 A	■57 B	■43 B	■33 B	◪159 E	◪120 D	■80 D	■80 C	■72 C
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	N4.3	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
■51 C	■84 C	■50 C	■25 C	■84 C	◪32 C	◪35 C	■35 B	■25 B	■15 A	■27 A	■14 A	■20 A	■10 A
S4.1	S4.2												
■16 A	■8 A												

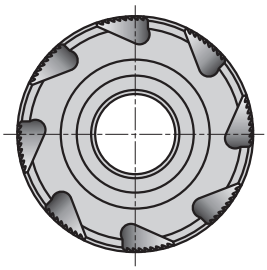
产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF
D42040.0	40.00	32.0	16.00	8
D42050.0	50.00	36.0	22.00	8
D42063.0	63.00	40.0	27.00	8

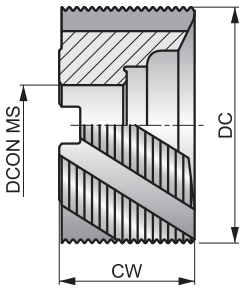
D402

DORMER

HSS-E粗加工面铣刀盘，光亮

设计具有一个粗波形刃NR轮廓粗加工，该刀具适用于高金属去除率的粗加工应用。具有标准孔径尺寸，可以与标准的面铣刀柄上一起使用成为可能。光亮表面。





HSS-E	NR	NOF 6-8
λ 30°	γ 12°	Bright
DC js16		DIN 1880

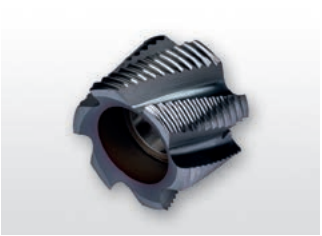
工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■40 D	■45 D	■46 D	■34 D	■30 D	◪27 C	■29 D	■24 C	◪20 C	■18 C	◪15 C	◪12 C	■34 D	■29 D
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■31 D	■25 C	◪17 C	◪15 C	■14 B	■10 B	■20 D	■15 D	■11 D	■37 D	■30 D	■24 C	■33 D	■25 D
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■20 B	■30 C	■23 C	■17 C	■14 B	■12 B	■34 C	■26 C	■20 C	◪76 F	◪57 E	■38 E	■38 D	■34 D
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	N4.3	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
■25 D	■40 D	■23 D	■12 D	◪40 D	◪15 D	◪17 D	■30 C	◪20 C	◪10 B	◪13 B	◪7 B	◪10 B	◪5 B
S4.1	S4.2												
◪8 B	◪4 B												

产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF
D40240.0	40.00	32.0	16.00	6
D40250.0	50.00	36.0	22.00	6
D40263.0	63.00	40.0	27.00	8

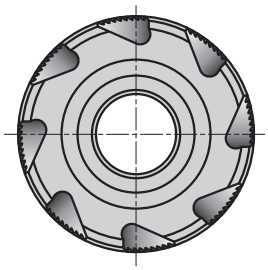
D422

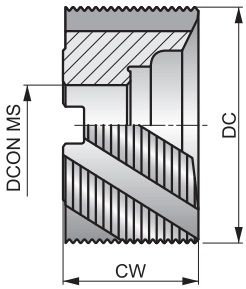
DORMER



HSS-E粗加工刀盘，TiCN涂层

设计具有一个粗波形刃NR用于高金属去除率的轮廓粗加工。具有标准孔径尺寸，可以在标准的面铣刀柄上夹持，立铣刀适用于粗加工应用。TiCN涂层增加刀具寿命，铣削硬材料和耐磨材料时提高性能。





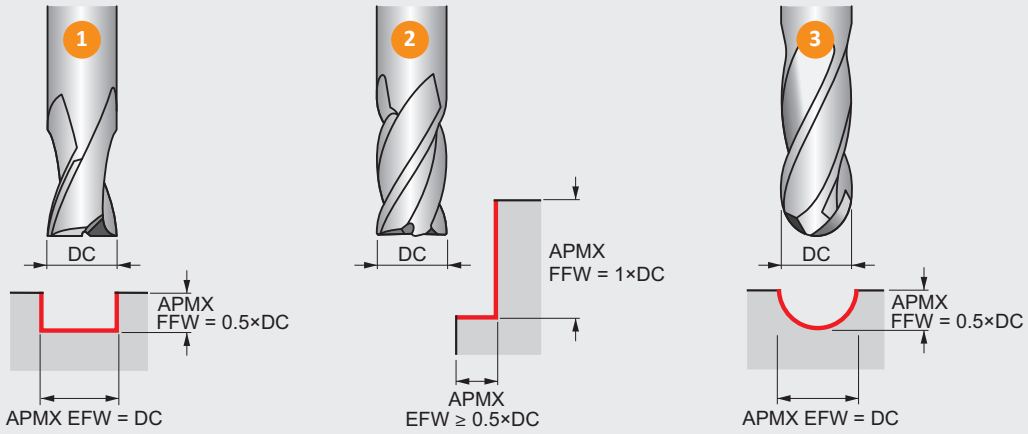
HSS-E	NR	NOF 6-8
λ 30°	γ 12°	TiCN
DC js16		DIN 1880

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从194页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■86 D	■96 D	■100 D	■74 D	■65 D	■57 C	■52 D	■42 C	■35 C	■31 C	■26 C	■21 C	■48 D	■41 D
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
■43 D	■35 C	■35 C	■30 C	■27 B	■20 B	■35 D	■26 D	■19 D	■62 D	■50 D	■40 C	■54 D	■42 D
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
■34 B	■50 C	■38 C	■28 C	■24 B	■20 B	■57 C	■43 C	■33 C	◪159 F	◪120 E	■80 E	■80 D	■72 D
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	N4.3	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
■51 D	■84 D	■50 D	■25 D	■84 D	◪32 D	◪35 D	■35 C	■25 C	■15 B	■27 B	■14 B	■20 B	■10 B
S4.1	S4.2												
■16 B	■8 B												

产品型号	DC (mm)	CW (mm)	DCON MS (mm)	NOF
D42240.0	40.00	32.0	16.00	6
D42250.0	50.00	36.0	22.00	6
D42263.0	63.00	40.0	27.00	8

整体式HSS铣刀 – 每齿进给量表格



每齿进给量（f_z，单位mm/rev）取决于工况，在这些数值基础上± 25%。

仅当使用具有过中心切削立铣刀对坚固材料进行插铣时，才将本表中的数值视为f_n（每转进给量）。

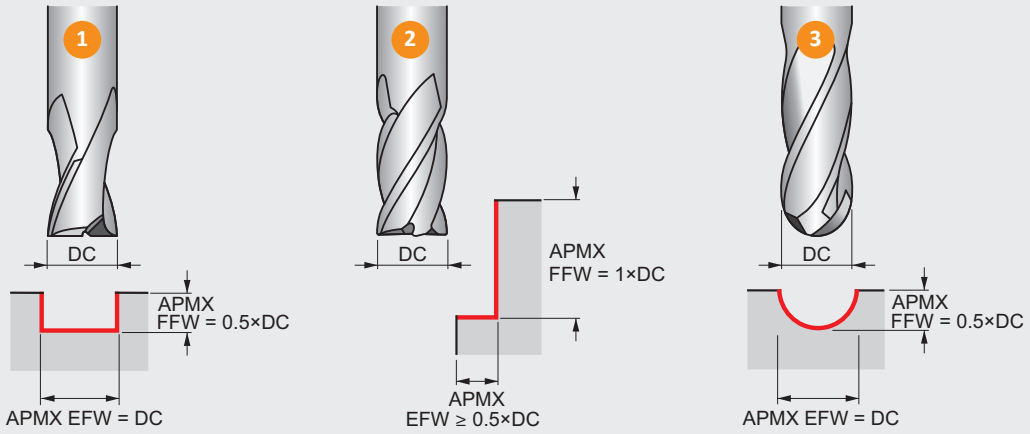
如何使用此表格查找每齿进给量（f_z）：
1. 在产品页找到相应的字母代码（示例：48C，“C”为字母代码）。
2. 在表格第一行找到与切削应用最接近的直径。
3. 在表格左列找到相应的字母代码。
4. 直径和字母代码的交点（格）就是每齿进给量（f_z）。

仅用于HSS、HSS-E和HSS-E-PM铣刀刀具

进给率		øDC(mm)																		
		1.00	2.00	3.00	4.00	5.00	6.00	8.00	10.00	12.00	16.00	20.00	25.00	28.00	32.00	36.00	40.00	63.00	80.00	100.00
	A	0.002	0.003	0.003	0.005	0.005	0.005	0.007	0.009	0.011	0.015	0.018	0.023	0.027	0.030	0.033	0.034	0.043	0.045	0.042
	B	0.003	0.004	0.004	0.006	0.006	0.007	0.009	0.012	0.014	0.018	0.023	0.029	0.033	0.038	0.041	0.043	0.054	0.057	0.052
	C	0.004	0.004	0.005	0.007	0.008	0.008	0.011	0.015	0.017	0.023	0.029	0.036	0.042	0.047	0.051	0.054	0.067	0.071	0.065
	D	0.005	0.006	0.006	0.009	0.010	0.010	0.014	0.018	0.022	0.029	0.036	0.045	0.052	0.059	0.064	0.067	0.084	0.089	0.082
	E	0.006	0.007	0.008	0.011	0.012	0.013	0.017	0.023	0.027	0.036	0.045	0.056	0.065	0.074	0.080	0.084	0.105	0.111	0.102
	F	0.007	0.008	0.010	0.013	0.014	0.016	0.020	0.028	0.032	0.043	0.054	0.067	0.078	0.089	0.096	0.101	0.126	0.133	0.122
	G	0.009	0.010	0.012	0.016	0.017	0.019	0.024	0.033	0.039	0.052	0.065	0.081	0.094	0.107	0.115	0.121	0.151	0.160	0.147
	H	0.010	0.012	0.014	0.019	0.021	0.022	0.029	0.040	0.047	0.062	0.078	0.097	0.112	0.128	0.138	0.145	0.181	0.192	0.176
	I	0.012	0.015	0.017	0.023	0.025	0.027	0.035	0.048	0.056	0.075	0.093	0.116	0.135	0.153	0.166	0.174	0.218	0.230	0.212
	J	0.015	0.017	0.020	0.027	0.030	0.032	0.042	0.057	0.067	0.090	0.112	0.139	0.162	0.184	0.199	0.209	0.261	0.276	0.254

本表适用于立铣刀和套式铣刀。

整体式HSS铣刀 – 每齿进给量表格



每齿进给量（IPT或英寸/齿）取决于工况，在这些数值基础上± 25%。

仅当使用具有过中心切削立铣刀对坚固材料进行插铣时，才应将本表中的数值视为IPR（每转进给，单位英寸）。

如何使用此表格查找每齿进给量（IPT）：
1. 在产品页找到相应的字母代码（示例：157C，“C”为字母代码）。
2. 在表格第一行找到与切削应用最接近的直径。
3. 在表格左列找到相应的字母代码。
4. 直径和字母代码的交点（格）就是每齿进给量（IPT）。

仅用于HSS、HSS-E和HSS-E-PM铣刀刀具

		øDC(英寸)																		
		1/16	3/32	1/8	5/32	3/16	7/32	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2
齿数		.0625	.0938	.1250	.1563	.1875	.2188	.2500	.3125	.3750	.4375	.5000	.5625	.6250	.7500	.8750	1.0000	1.1250	1.2500	1.5000
	A	.0001	.0001	.0001	.0002	.0002	.0002	.0002	.0003	.0004	.0004	.0005	.0006	.0006	.0007	.0008	.0009	.0011	.0012	.0013
	B	.0001	.0002	.0002	.0002	.0002	.0002	.0003	.0004	.0004	.0005	.0006	.0007	.0007	.0009	.0011	.0012	.0014	.0015	.0017
	C	.0002	.0002	.0002	.0003	.0003	.0003	.0004	.0004	.0005	.0006	.0007	.0008	.0009	.0011	.0013	.0015	.0017	.0019	.0020
	D	.0002	.0002	.0002	.0004	.0004	.0004	.0004	.0006	.0007	.0008	.0009	.0010	.0011	.0013	.0017	.0019	.0021	.0023	.0026
	E	.0002	.0003	.0003	.0004	.0005	.0005	.0006	.0007	.0008	.0010	.0011	.0013	.0014	.0017	.0020	.0023	.0027	.0029	.0032
	F	.0003	.0003	.0004	.0005	.0006	.0006	.0007	.0008	.0010	.0012	.0014	.0016	.0017	.0020	.0024	.0028	.0032	.0035	.0039
	G	.0004	.0004	.0005	.0006	.0007	.0007	.0008	.0009	.0012	.0014	.0017	.0019	.0020	.0024	.0030	.0033	.0039	.0042	.0046
	H	.0004	.0005	.0006	.0007	.0008	.0008	.0009	.0011	.0014	.0017	.0020	.0022	.0024	.0029	.0035	.0040	.0046	.0050	.0056
	I	.0005	.0006	.0007	.0009	.0010	.0010	.0011	.0014	.0017	.0020	.0024	.0027	.0030	.0035	.0043	.0048	.0056	.0060	.0067
	J	.0006	.0007	.0008	.0011	.0012	.0012	.0014	.0017	.0020	.0024	.0028	.0032	.0035	.0042	.0051	.0058	.0067	.0072	.0080

本表适用于立铣刀和套式铣刀。

1 槽铣

以不同切削深度进行槽铣操作时，线速度v_c和每齿进给量f_z的修正系数。

APMX FFW / DC	25 %	50 %	100 %	150 %
X.V	1.25	1.00	0.75	0.50
X.f	1.25	1.00	0.75	0.50

2 方肩铣

进行径向切深小于50%的方肩铣时，线速度v_c和每齿进给量f_z的修正系数。

APMX EFW / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	≥ 50 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.00
X.f	2.29	1.67	1.40	1.25	1.15	1.09	1.02	1.00

建议避免50%径向切深铣削加工。

3a 普通仿形铣（球头刀具）

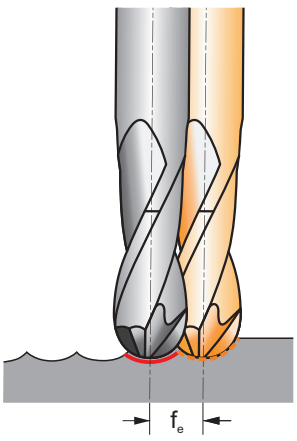
以不同切削深度进行平面仿形铣时，线速度v_c的修正系数。

APMX FFW / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %
X.V	2.29	1.67	1.40	1.25	1.15	1.09	1.02	1.00

3b

为获得理论表面粗糙度R_{th}进行的行补偿f_e（切削间距）

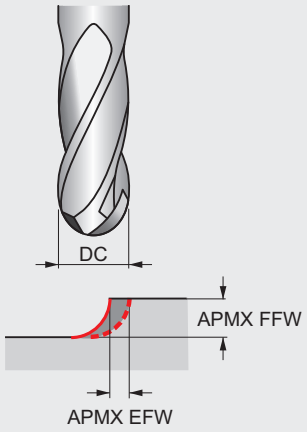
DC \ µm	2	4	8	16	32	63	125	250
2	0.13	0.18	0.25	0.36	0.50	0.70	0.97	1.32
3	0.15	0.22	0.31	0.44	0.62	0.86	1.20	1.66
4	0.18	0.25	0.36	0.50	0.71	1.00	1.39	1.94
5	0.20	0.28	0.40	0.56	0.80	1.12	1.56	2.18
6	0.22	0.31	0.44	0.62	0.87	1.22	1.71	2.40
8	0.25	0.36	0.51	0.71	1.01	1.41	1.98	2.78
10	0.28	0.40	0.57	0.80	1.13	1.58	2.22	3.12
12	0.31	0.44	0.62	0.88	1.24	1.73	2.44	3.43
14	0.33	0.47	0.67	0.95	1.34	1.87	2.63	3.71
16	0.36	0.51	0.72	1.01	1.43	2.00	2.82	3.97
18	0.38	0.54	0.76	1.07	1.52	2.13	2.99	4.21
20	0.40	0.57	0.80	1.13	1.60	2.24	3.15	4.44
22	0.42	0.59	0.84	1.19	1.68	2.35	3.31	4.66
25	0.45	0.63	0.89	1.26	1.79	2.51	3.53	4.97
28	0.47	0.67	0.95	1.34	1.89	2.65	3.73	5.27



仅列出了公制单位（mm）行补偿尺寸。

整体式HSS铣刀 – 修正系数

3c



如何利用此表找到平面仿形铣每齿进给量（f_z或IPT）的修正系数：
1. 在表格第一行找到与切削应用最接近的径向切深（APMX EFW / DC）。
3. 在表格左列找到与具体切削应用最接近的轴向切深（APMX FFW / DC）。
4. 径向切深和轴向切深的交点（格）是每齿进给量的修正系数。

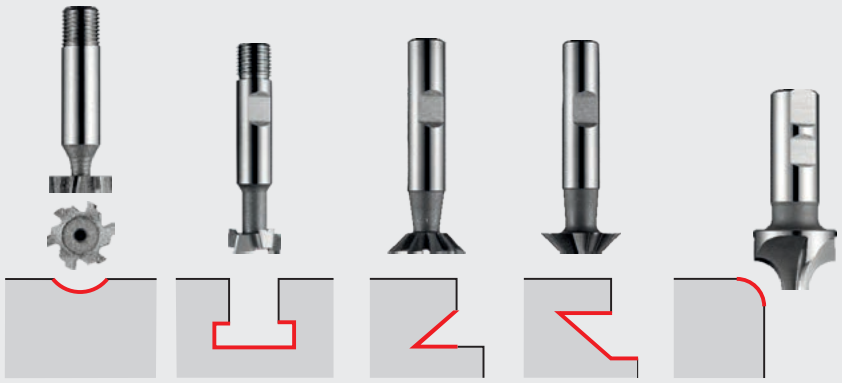
平面仿形铣示例：
1. 使用切削深度为0.8 mm（APMX FFW）的8 mm球头铣刀，以获得32 µm的理论表面粗糙度。
2. 在表格3a中找到10%轴向切深 = 1.67的线速度修正系数。
3. 在表格3b中找到32 µm R_{th} = 1.01 mm的切削间距。
4. 在表格3b中找到10%轴向切深和1.01 / 8 = 12.6%径向切深的每齿进给量修正系数，此示例中为2.33。

以不同切削深度进行行补偿小于一半直径的平面仿形铣时，每齿进给量f_z的修正系数。

APMX FFW	APMX EFW	5%	10%	15%	20%	25%	30%	35%	40%	50%
5%		5.26	3.82	3.21	2.87	2.65	2.50	2.40	2.34	2.29
10%		3.82	2.78	2.33	2.08	1.92	1.82	1.75	1.70	1.67
15%		3.21	2.33	1.96	1.75	1.62	1.53	1.47	1.43	1.40
20%		2.87	2.08	1.75	1.56	1.44	1.36	1.31	1.28	1.25
25%	x.f	2.65	1.92	1.62	1.44	1.33	1.26	1.21	1.18	1.15
30%	⇨	2.50	1.82	1.53	1.36	1.26	1.19	1.14	1.11	1.09
35%		2.40	1.75	1.47	1.31	1.21	1.14	1.10	1.07	1.05
40%		2.34	1.70	1.43	1.28	1.18	1.11	1.07	1.04	1.02
45%		2.31	1.68	1.41	1.26	1.16	1.10	1.05	1.03	1.01
50%		2.29	1.67	1.40	1.25	1.15	1.09	1.05	1.02	1.00

要提高表面质量，刀具或表面应倾斜10°– 15°。

整体式HSS铣刀 – 每齿进给量表格



每齿进给量（f_z，单位mm/rev）。
根据不同的工况，在这些数值基础上± 25%。

如何使用此表格查找每齿进给量（f_z）：
1. 在产品页找到相应的字母代码（示例：40V，“V”为字母代码）。
2. 在表格第一行找到与切削应用最接近的直径。
3. 在表格左列找到相应的字母代码。
4. 直径和字母代码的交点格）就是每齿进给量（f_z）。

铣刀的进给率： **C800, C801, C810, C820, C822, C825, C830, C835, C837, C831, C700, C710, D745, D747, D750, D751, D752, D753, D200, D763**

		øDC(mm)															
		10.0	12.0	16.0	20.0	25.0	32.0	38.0	50.0	63.0	80.0	100.0	125.0	160.0	200.0	300.0	350.0
进给率	P	–	–	–	–	–	0.200	–	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
	Q	–	–	–	–	–	0.040	–	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040	0.040
	R	–	–	–	–	–	0.600	–	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
	S	0.020	0.020	0.020	0.040	0.040	0.040	0.040	0.050	0.050	0.060	0.070	0.080	0.090	0.100	0.100	0.100
	T	0.020	0.020	0.030	0.050	0.050	0.050	0.060	0.060	0.060	–	–	–	–	–	–	–
	U	0.030	0.030	0.030	0.050	0.060	0.060	0.060	0.060	0.060	–	–	–	–	–	–	–
	V	0.030	0.030	0.040	0.060	0.060	0.060	0.070	0.070	0.070	0.080	0.090	0.100	0.110	0.120	0.120	0.120
	W	0.040	0.050	0.050	0.060	0.060	0.070	0.070	0.070	0.070	0.090	0.100	0.110	0.110	0.120	0.120	0.120
	X	0.050	0.050	0.060	0.070	0.080	0.100	0.110	0.110	0.110	0.110	0.110	0.120	0.130	0.140	0.140	0.140
	Y	0.060	0.060	0.070	0.090	0.100	0.110	0.130	0.130	–	–	–	–	–	–	–	–
	Z	0.070	0.070	0.090	0.110	0.120	0.110	0.150	–	–	–	–	–	–	–	–	–

仅列出了公制单位（mm）的进给率f_z。

整体式HSS切割锯 – 齿距选择表

切割锯D750、D751、D752、D753的齿距选择

实心部分

直径 (t)	齿距 (P) 2.5	3	4	5	6	8
4		P M	N K			
6			P M	N K		
8				P M	N K	
10				P M	N K	
15					P M	N K
20					P M	N K
30						P M
40						
60						

型材和管材

壁厚 (t)	齿距 (P) 2.5	3	4	5	6	8
1		P M	N K			
1.5			P M	N K		
2				P M	N K	
3					P M	N K
> 4					P M	N K

P ISO P = 钢质工件材料组（WMG）

M ISO M = 不锈钢工件材料组（WMG）

K ISO K = 铸铁工件材料组（WMG）

N ISO N = 有色金属工件材料组（WMG）

DORMER PRAMET

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立铣刀 – 技术信息

高速钢材料		
高速钢	HSS	可加工性及性能均非常卓越的中合金高速钢。高速钢具有良好的硬度、韧度和耐磨性，使其在广泛的应用领域均具有吸引力，例如钻头和丝锥。
钻高速钢	HSS-E	这种高速钢含有钴，用于提高热硬度。HSCo成分兼具良好的韧度和硬度。兼具良好的切削加工性和耐磨性，适合生产钻头、丝锥、铰刀和铣刀。
粉末冶金钻高速钢	HSS-E PM	烧结钴高速钢（HSCo粉末金属）是一种使用粉末冶金技术生产的基体。用这种方式制作基体的刀具将具有出色的韧性和研磨性。

	等级	硬度（HV10）	C (%)	W (%)	Mo (%)	Cr (%)	V (%)	Co (%)	刀具材料
HSS	M2	810 – 850	0.9	6.4	5.0	4.2	1.8	–	HSS
HSS-E	M35	830 – 870	0.93	6.4	5.0	4.2	1.8	4.8	HSCo
	M42	870 – 960	1.08	1.5	9.4	3.9	1.2	8.0	
HSS-E PM	ASP 2017	860 – 900	0.8	3.0	3.0	4.0	1.0	8.0	HSCO粉末金属
	ASP 2030	870 – 910	1.28	6.4	5.0	4.2	3.1	8.5	
	ASP 2052	870 – 910	1.6	10.5	2.0	4.8	5.0	8.0	

HM材料

硬质合金材料 （或硬质材料）	HM	烧结粉末冶金基体，由金属硬质合金复合材料和粘结金属组成。最核心的原材料是碳化钨（WC）。碳化钨有助于提高材料硬度。碳化钽（TaC）、碳化钛（TiC）和碳化铌（NbC）是碳化钨的补充材料，可以根据需要调整碳化钨的性能。这三种材料被称为立方碳化物。钴（Co）起到粘结剂的作用，将材料粘结在一起。 硬质合金材料抗压强度高、硬度高，因此具有出色的耐磨性，但其抗弯强度和韧度有限。硬质合金用于丝锥、铰刀、铣刀、钻头和螺纹铣刀。

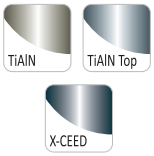
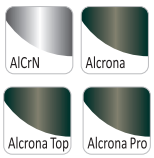
属性	高速钢材料	HM材料	K10/30F （通常用于整体式刀具）
硬度（HV30）	800 – 950	1300 – 1800	1600
密度（g/cm^3）	8.0 – 9.0	7.2 – 15.0	14.45
压缩强度（N/mm^2）	3000 – 4000	3000 – 8000	6250
挠曲（弯曲）强度（N/mm^2）	2500 – 4000	1000 – 4700	4300
耐热性（°C）	550	1000	900
弹性模量（kN/mm^2）	260 – 300	460 – 630	580
晶粒尺寸（μm）	–	0.2 – 10.0	0.8

[illegible]WC[illegible]Co[illegible]

特性	增加WC成分	增加Co成分
硬度	提高硬度	降低硬度
压缩强度（CS）	提高CS	降低CS
抗弯强度（BS）	降低BS	提高BS

[illegible]

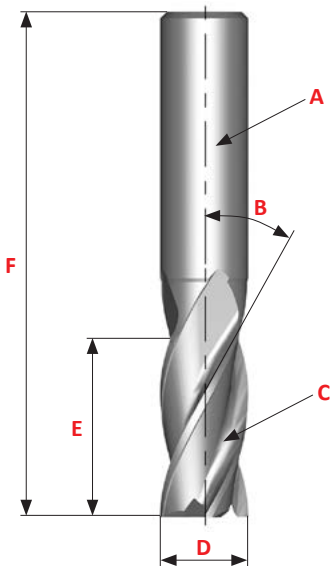
表面处理		
光亮（无涂层）		光亮处理（表面无涂层）可改善软质金属或有色金属材料的切屑流，并在切削研磨材料时保持切削刃锋利。
蒸汽回火		蒸汽回火使蓝色氧化物表面具有很强的附着力，起到保留切削液和防止切屑熔刀具的作用，从而抵消了积屑瘤的形成。蒸汽回火可应用于任何抛光刀具，但最有效的是用于钻头和丝锥。

表面涂层		
氮碳化钛涂层（TiCN）		氮炭化钛是一种采用PVD涂层技术的陶瓷涂层。TiCN比TiN更硬，并且摩擦系数更低。其硬度和韧度以及良好的耐磨性令其成为了铣削领域中提高铣刀性能的主要材料。
氮化钛铝涂层（TiAlN、TiAlN-Top和X-CEED）		氮化钛铝是一种采用PVD涂层技术的多层陶瓷涂层，具有较高的韧性和氧化稳定性。这些特性使其适合更高的线速度和进给，同时提高了刀具寿命。TiAlN用于钻孔、攻丝和铣削应用，也适用于不需要冷却剂的加工。 TiAlN-Top涂层与TiAlN相同，但采用了后涂层工艺，可以消除缺陷，进而增强切屑流并减少积屑瘤。 X-CEED型TiAlN涂层也被称为Futura-Nano涂层，是一种能够适应更高热硬度和更高应力的纳米涂层。
氮化铝钛涂层（AlTiN）		氮化铝钛（AlTiN）是一种纳米层宽基涂层技术，是传统TiAlN涂层的升级版，能够提供卓越的韧性、高热硬度和抗氧化性。
Alcrona涂层（AlCrN、Alcrona、Alcrona-Top和Alcrona-Pro）		Alcrona（AlCrN）系列涂层是铝铬氮化物涂层，主要用于铣刀。这些涂层的两个独特特性是高热硬度和高抗氧化性。当用于涉及重型机械和热应力的加工应用刀具时，这些特性则转化为出色的耐磨性。这些涂层有多种级别或特定版本，适用于各种刀具和应用。
氮化钛硅涂层（TiSiN）		TiSiN适合在极端切削工况下对硬质材料进行高速加工。这种多层涂层的外层为纳米复合层，含有结晶TiN基体中的Si3N4纳米微晶，能够保护切削刃不受热传递、氧化和磨损的影响。TiSiN涂层在最低润滑条件甚至无润滑情况下也表现出良好的性能。

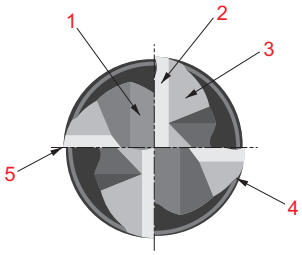
表面处理/涂层特性示例

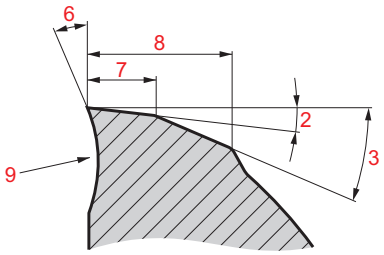
表面处理	颜色	涂层材料	硬度 (HV)	厚度 (µm)	涂层结构	对钢的摩擦系数	最高工作温度 (°C)
	深灰色	Fe_3O_4	400	max. 5	转换成表面	–	550
	蓝灰色	TiCN	3000	1 – 4	多层渐变	0.4	500
	灰黑色	TiAlN	3300	3	纳米结构	0.3 – 0.35	900
	蓝灰色	AlCrN	3200	–	单层	0.35	1100

术语



A 刀柄
B 螺旋角
C 容屑槽
D 外径DC
E 切削长度AP
F 总长度OAL

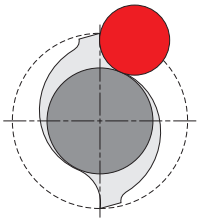
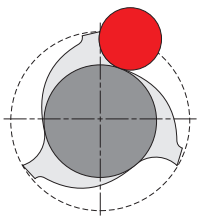
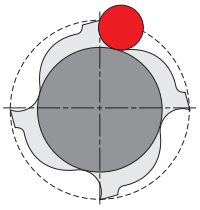




1 端齿间隙
2 主后角
3 副后角
4 刃背尖角
5 切削刃
6 前角
7 主后角铲磨宽度
8 总后角铲磨宽度
9 凹切前面

立铣刀的特点 – 选择齿数NOF

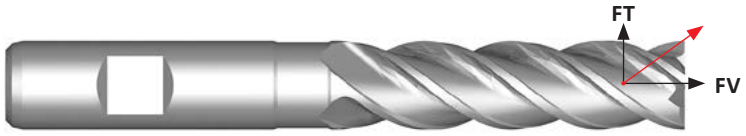
齿数应由以下因素决定 :
- 铣削材料
- 工件尺寸
- 铣削工况

2槽	3槽	4槽（或更多个槽）
		
低 ← 抗弯强度 → 高		
大 ← 容屑空间 → 小		
• 容屑空间大 • 易于排屑 • 适合铣槽 • 适合重型铣削 • 截面积小 , 因此刚度低 • 表面精加工质量低	• 容屑空间几乎与2槽铣刀一样大 • 截面积更大 , 比2槽铣刀刚度高 • 表面精加工质量更优	• 刚度最高 • 截面积最大 , 容屑空间小 • 表面精加工质量最佳 • 推荐用于仿形铣、侧铣和浅槽铣

立铣刀的特点 – 螺旋角

增加齿数会令单齿负荷更均匀，从而改善表面质量。但如果螺旋角大，沿铣刀轴分布的负荷FV也会增加。

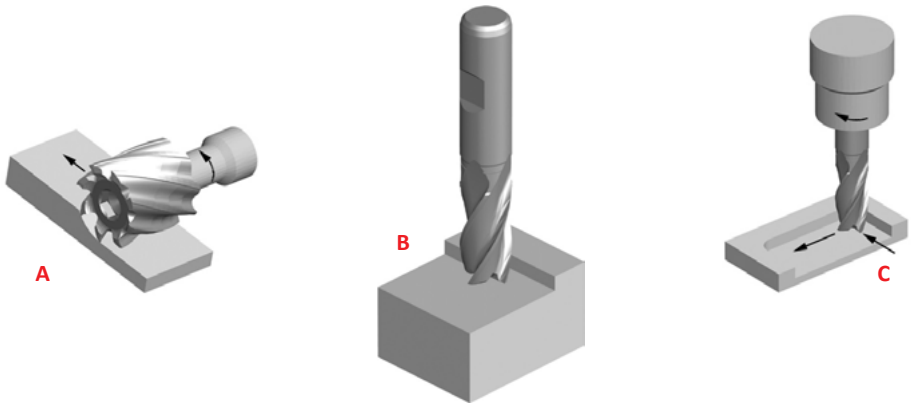
高FV可能导致：
- 主轴轴承出现负荷问题
- 铣刀沿主轴轴向移动。为避免出现此类问题，需要使用侧固刀柄或更优质的机械式刀柄或液压式刀柄。



铣削的注意事项

铣削是对工件表面进行加工的方法。加工时铣刀以相对较高的速度作旋转运动，工件则以相对较低的速度作进给运动，采用渐进的方式从工件上切除预定的加工余量。
铣削加工的特点是，每个铣刀齿都切除其分配到的那部分加工余量，并产生较小的零碎切屑。

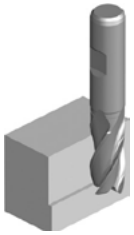
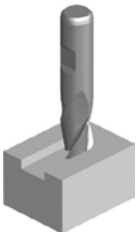
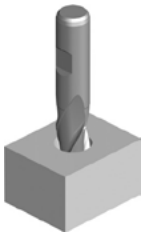
铣刀的类型
下面是三个基本的铣削加工方法：(A) 圆周铣削，(b) 面铣刀 和 (c) 立铣刀。



在作圆周铣削时 (也称之为阔面铣削)，铣刀的旋转轴线与被加工表面平行。在铣刀圆周上分布着一定数量的刀齿，每个刀齿都象是一个加工平面的单刃切削刀具。用作圆周铣削的铣刀可以是直齿的，也可以使螺旋齿的，它们可分别作正交的或斜交的切削运动。
在作面铣削时，铣刀安装在主轴上，该主轴的旋转轴线与被加工表面垂直。切削刃则位于铣刀的圆周上和端面上，对工件的表面进行铣削。
在作端铣削是，铣刀通常绕垂直于工件表面的轴线作旋转运动，但也可将铣刀倾斜，以加工出锥形表面。这种铣刀的刀齿位于铣刀端面上和刀体圆周上。

应用场合

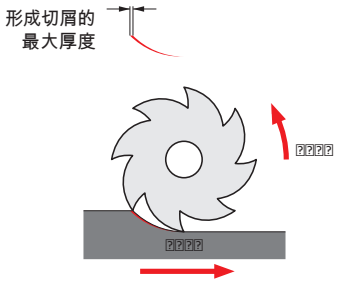
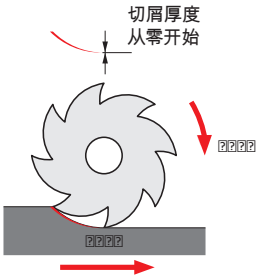
金属切除率MRR和应用场合有很大关系。对于每种不同的应用场合，都有不同的金属切除率MRR。金属切除率随铣刀与工件的接触区域大小而变化。在最新出版的多马公司产品样本中，用简单的图标来表示不同的应用场合。

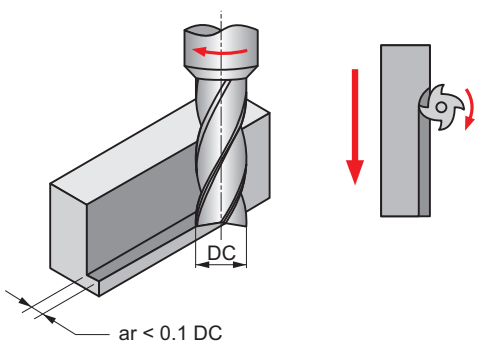
侧铣	面铣	槽铣	插入铣	斜向铣
				
径向切削深度应小于立铣刀直径的0.25倍。	径向切削应不大于立铣刀直径的0.9倍，轴向切深应小于立铣刀直径的0.1倍	加工凹槽或键槽，其径向切深等于立铣刀的直径。	若立铣刀带过中心切削刃时，可用来对工件作钻削加工。在做这种插入式铣削时，应把铣刀的进给量减半。	立铣刀同时在轴向和径向切入工件

有效铣削

铣削类型

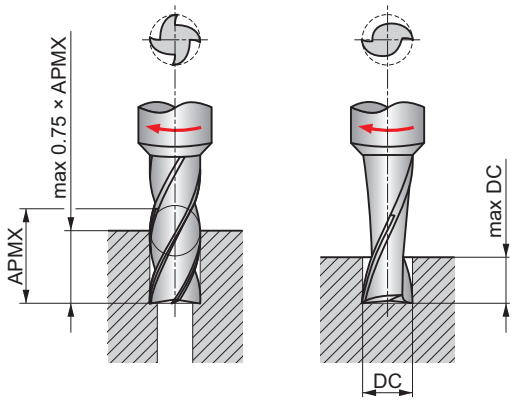
顺铣与逆铣对比

顺铣	逆铣
	
在顺铣中，铣刀旋转方向与工作台进给方向相同。切齿在切削顶部接触工件，首先形成切屑最厚的部分。在水平铣削中，顺铣形成的合力可以作为夹紧力，作用于机器工作台。 必须确保机床刀具丝杠没有反向间隙。顺铣通常能够改善产品表面加工质量，延长刀具寿命。	在逆铣中，铣刀的旋转方向与工作台进给方向相反。因此，切屑宽度从零开始，在切削结束时达到最大。在某些情况下，这可能导致刀具加速磨损。在铣削热轧钢、表面硬化钢和表面有氧化皮的钢时，选择逆铣方式可能更适宜。

周缘（柱面、平面）铣	
周缘铣，铣削与立铣刀轴平行的表面。	 径向切削深度应小于铣刀直径的10%：ar < 0.1 DC。

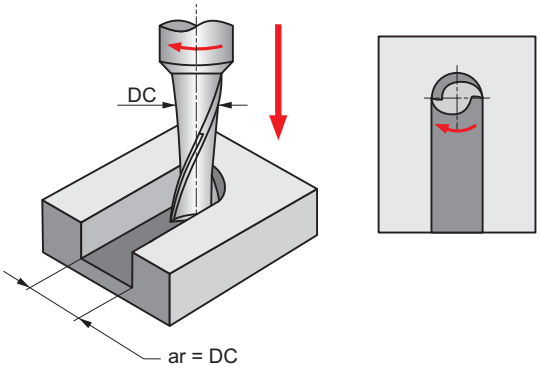
插铣

立铣刀直接切入工件，在工件和立铣刀中心线间直接移动。



为了能够“钻入”空间，即沿轴向铣削，立铣刀必须有一个能够一直钻到中心的前面切削刃。　这种整体式钻头的典型操作包括在轴中间的键槽进行铣削。
在镗孔时，最大孔深为切削刃长度的75%。但如果是整体式钻头，最大孔深不应超过一半至一倍DC。

槽铣



径向切削深度与铣刀直径相同：ar = DC。
所有铣槽加工均为顺铣与逆铣的组合。请参见相邻章节的内容。

立铣刀选择

尽量选择适合具体加工操作的最短刀具长度和最大刀具直径，以及切削深度允许的最短槽长。超长立铣刀的悬伸过长，可能需要将进给最多减少25%。而短立铣刀的总长度和槽长度更短，因此刚度更大，可能需要将进给增加最多25%。

速度

与高速钢立铣刀相比，整硬合金立铣刀必须以更高的速度运行。在许多情况下，以较高速度进行更轻型的切削能够改善工件的光洁度。
进行铣槽切削时，速度应降低约20%。铣削坚硬材料或韧性材料时，或者进行重型切削时，应降低速度。铣削较软的材料或者进行轻型切削时，应提高速度。进行精加工切削时也应提高速度。

冷却剂

铣削低碳钢和高温合金时，建议使用冷却剂。冷却介质的作用是从切削刀具和工件上排走切屑，以防止因重复切削切屑而导致切削刃损坏。
加工钛材料时，必须给切削区域供应大量冷却剂，以防止温度过高，并帮助切屑排出。

工作参数计算公式

铣削术语/工作参数计算公式

使用以下术语和公式确定适合的工作参数。

公式 (公制)			术语			公式 (英制)
$v_c = \frac{n \times DC \times \pi}{1000}$	v_c	(m/min)	线速度	SFM	(ft/min)	$SFM = \frac{RPM \times DC \times \pi}{12}$
$n = \frac{v_c \times 1000}{DC \times \pi}$	n	(rev/min)	主轴转速	RPM	(rev/min)	$RPM = \frac{SFM \times 12}{DC \times \pi}$
$V_f = f_z \times z \times n$	V_f	(mm/min)	进给率	IPM	(in/min)	$IPM = IPT \times T \times RPM$
$f_z = \frac{V_f}{z \times n}$	f_z	(mm/tooth)	每齿进给量	IPT	(in/tooth)	$IPT = \frac{IPM}{T \times RPM}$
$Q = \frac{V_f \times APMX\ FFW \times APMX\ EFW}{1000}$	DC	(mm)	切削直径	DC	(in)	$MRR = IPM \times DOC \times WOC$
	z	(–)	齿数	T	(–)	
	APMX FFW	(mm)	切削深度	DOC	(in)	
	APMX EFW	(mm)	切削宽度	WOC	(in)	
	Q	(cm^3/min)	金属去除率	MRR	(in^3/min)	

问题	解决方案	
切削刃崩口	• 尝试用风吹扫或使用冷却剂 • 减小切削深度 • 检查夹头磨损量 • 减小每齿进给量 • 如果是湿切削，则改为干切削	• 检查刀具跳动 • 提高工件夹持稳定性
后刀面严重磨损	• 使用带涂层的立铣刀 • 如果是逆铣，改为顺铣 • 如果使用的是水溶性切削液，改为非水溶性切削液 • 使用螺旋角更大的刀具	• 如果是逆铣，改为顺铣
振动/颤振	• 使用直径更大的立铣刀 • 增加每齿进给量 • 加大螺旋角 • 减小槽长度或悬伸长度 • 降低线速度	• 检查或更换刀架 • 增加齿数 • 紧固卡盘或使用强度更高的卡盘
偏向	• 减小切削深度 • 增加每齿进给量 • 加大螺旋角 • 如果使用的是水溶性切削液，改为非水溶性切削液	• 使用直径更大的立铣刀 • 减小槽长度或悬伸长度 • 如果使用的是2槽刀具，改为4槽刀具 • 如果是顺铣，改为逆铣
表面光洁度不佳	• 减小立铣刀跳动 • 提高线速度 • 减小每齿进给量 • 加大螺旋角 • 增加齿数	• 增加空气量或切削液量 • 减小切削深度 • 如果是干切削，改为湿切削
表面有波纹	• 减小螺旋角 • 检查立铣刀跳动 • 减小切削深度 • 检查或更换刀架	
立铣刀断裂	• 减小切削深度 • 减小每齿进给量 • 减小槽长度或悬伸长度 • 如果发生切屑堵塞，减少齿数	
排屑不良	• 用风吹扫 • 减小切削深度 • 减小每齿进给量 • 减少齿数 • 增加空气量或切削液量	• 提高线速度
去毛刺工件崩屑	• 减小螺旋角 • 减小每齿进给量 • 减小切削深度	
切屑熔焊	• 使用冷却剂 • 使用带涂层的立铣刀 • 增加切削液量 • 加大螺旋角	

旋转锉

6		WMG & ISO 13399
10	立铣刀	说明
19	立铣刀	HM铣刀
117	立铣刀	HSS-E-PM、HSS-E、HSS铣刀
201	立铣刀	技术信息
212		**旋转锉**
292		螺纹铣刀
314	可转位铣刀	说明
328	可转位铣刀	导航工具
349	可转位铣刀	面铣刀
409	可转位铣刀	方肩铣刀
479	可转位铣刀	玉米铣刀
508	可转位铣刀	槽铣刀
521	可转位铣刀	仿形铣刀
613	可转位铣刀	快进给铣刀(HFC)
645	可转位铣刀	倒角和T形槽铣刀
667	可转位铣刀	其它刀片
691	可转位铣刀	技术信息

硬质合金旋转锉

我们的硬质合金旋转锉系列提供高品质的全面解决方案，设计和形状多样化，能够满足所有主要工业领域的大多数应用需求。

特点 & 优势

- 刀柄和刀头均选用高级材料设计，同时采用精密产品工艺，其结果是保证必要的一致性。
- 每个旋转锉类型都被设计为在相关材料中进行高性能加工的首选。 这包括钢 (ST铣刀)、不锈钢 (VA铣刀)、有色金属材料和塑料 (ALUMINIUM 铣刀)、高温合金 (AS铣刀)、玻璃纤维 和复合材料 (GRP铣刀) 以及通用加工 (DC铣刀)

刀柄

- 淬硬和强化处理刀柄
- 淬硬和强化处理刀柄
- 防止弯曲并减少振动
- 提高刀具寿命
- h6(硬质合金) 和h7 (钢) 用于改善刀柄

铜焊

- 非标铜焊草料可提供出色的强度
- 出色的抗冲击强度可提供高切削力
- 能够在不失效的情况下承受更高温度

切削类型

ST 铣刀

提供更高性能的钢加工的首选

- 材料特定断屑槽设计用于更高加工输出在钢备件
- 正角槽型，保证光滑表面精加工
- 创建较低的稳定帮助增加刀具寿命

VA 铣刀

高性能不锈钢加工的首选

- 锋利的切削槽型，减少加工硬化
- 增加金属去除率

AL 铣刀

切削铝合金 有色金属材料和塑性变形材料的首选

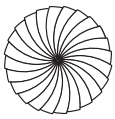
- 大螺旋角和大排屑槽可实现快速金属去除

硬质合金旋转锉

球头槽型

- 跳式螺旋槽磨削成型
- 提高芯部强度
- 降低切屑堵塞的风险
- 提高芯部附近的切削力

跳式



正常

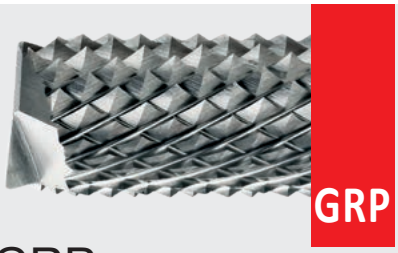
TiALN涂层

- 提高难加工工况下的刀具寿命
- 降低摩擦力和提高切削排出率
- 帮助抵抗积屑瘤的产生

AS 铣刀

高温合金的首选

- 符合人机工程学
- 高质量表面精加工
- 快速且平顺的切削动作



GRP 铣刀

加工纤维玻璃和复合材料的首选

- 可用于钻尖和立铣刀方式
- 设计用于减少破裂和改进进入和退出表面质量

DC 铣刀

通用加工的首选

- 增强控制性
- 提高金属去除率

硬质合金旋转锉

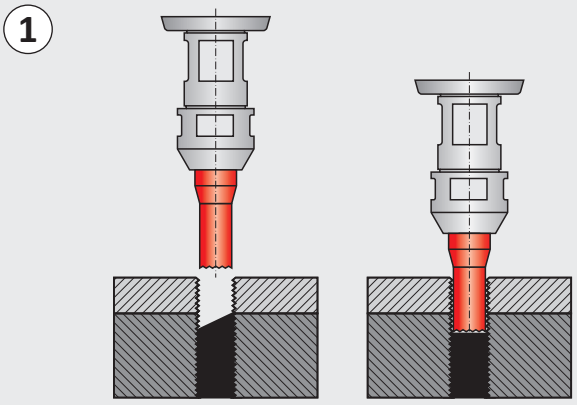
用于螺栓切除

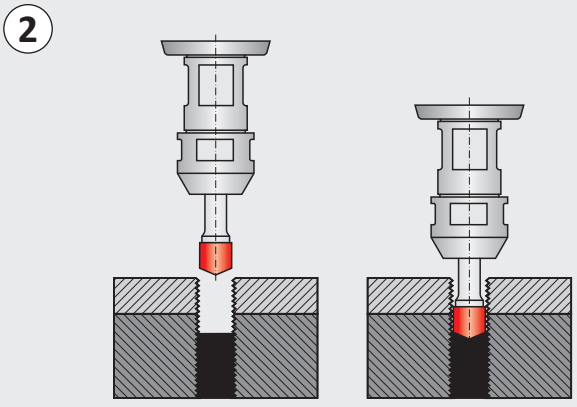
一组专门设计的旋转锉，可以在不损坏螺纹孔和部件的情况下切除损坏的螺栓。

特点和优势

- 特定的直径和切削长度，适用于各种螺纹直径
- 长可达性和锥形柄设计，易于接近加工位
- 成熟的切削形状设计，可对表面硬化螺纹进行研磨
- 减少对现有螺纹孔的损坏
- 充分发挥中央钻具螺纹的潜力
- 减少对现有螺纹孔的损坏
- 为螺纹和部件提供可靠保护
- 高度一致的出色质量

加工过程





切削型式

带端切的平面圆柱铣刀

150°锪孔钻

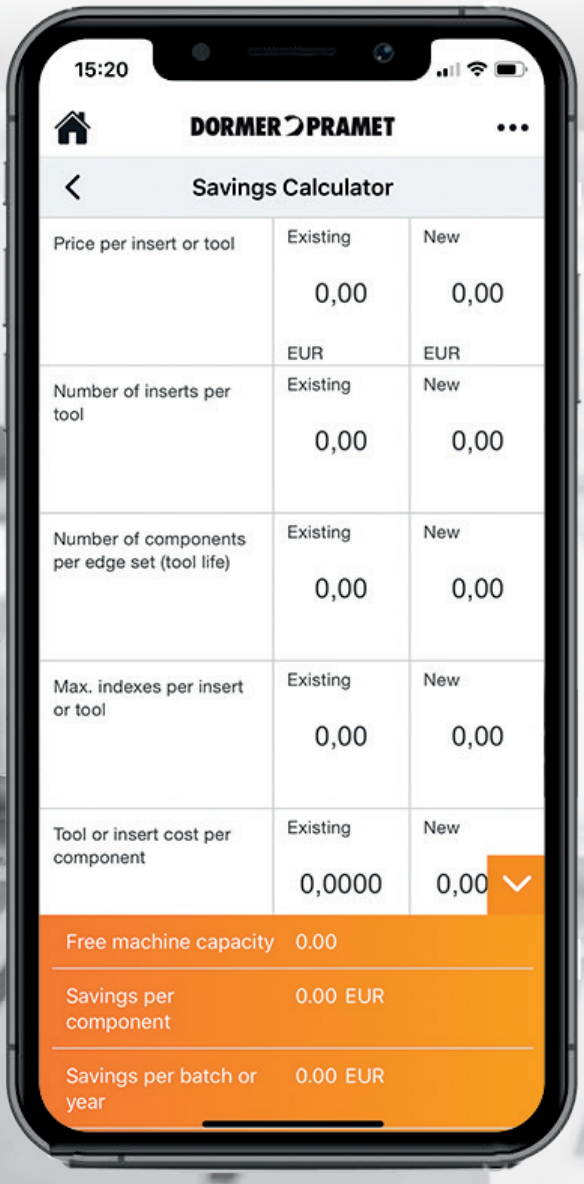
如何使用刀具

- 针对损坏的螺栓，选择正确尺寸的旋转锉
- 使用右旋刻磨机
- 确保旋转锉与损坏的螺栓保持垂直
- 磨平损坏的表面 – 加工过程①
- 打磨削平的表面，在螺栓中心点形成一个锪孔位置 – 加工过程②

DORMER PRAMET

便携计算器

我们的Calculator机加工计算器让您可以基于不同产品和应用估算成本节省情况。
这件实用的便携工具让您始终拥有充足的现金流！简单可靠。



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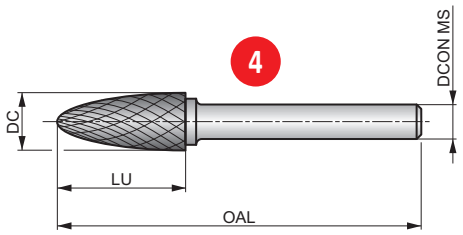
1 **P811**

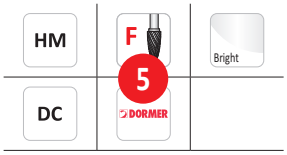
DORMER

2

旋转锉 – 球头树状，槽型 – F，光亮

DC双刃槽类型，具有紧密间距刃，适用于多角度轮廓，边缘倒圆角和难以达到的区域。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。





工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	N3.3
S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	H1.1	H2.1	H2.2	H3.1	H3.2
H4.1	H4.2												

7

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880或P890

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8113.0X3.0	3.00	3.00	14.00	38.0
P8116.3X3.0	6.30	3.00	12.70	45.0
P8116.0X6.0	6.00	6.00	18.00	50.0
P8 .0X6.0	8.00	6.00	20.00	65.0
P8119.6X6.0	9.60	6.00	19.00	64.0
P81112.7X6.0	12.70	6.00	25.00	70.0
P81116.0X6.0	16.00	6.00	25.00	70.0

8

9

所示为旋转锉的典型页面 – 具体页面详情可能不同。

图号	说明
1	旋转铣名称
2	产品简介
3	实物图
4	刀具示意图
5	产品特点

图号	说明
6	去毛刺加工形式
7	推荐的材料组
8	产品代码
9	产品尺寸

旋转锉 – 图标概览

通用图标

■	主要使用
◩	可以使用

材料代码（BMC）

HM	硬质合金（整硬合金）

旋转锉形状

A	圆柱形，无端切	F	球头树形	L	球头锥形
B	圆柱形，带端切	G	镶尖树形	M	锥形
C	圆柱直柄球头形状	H	发散形状	N	倒锥形
D	球头形状	J	60°沉孔形状		
E	椭球形	K	90°沉孔形状		

旋转锉端部

	钻尖式旋转锉端部
	端切式旋转锉端部
	立铣刀式旋转锉端部

涂层

	光亮（无涂层）
	氮化钛铝TiAlN涂层

旋转锉 – 图标概览

加工角度

60°锪孔钻	135°钻尖	150°点钻尖
90°锪孔钻	180°钻尖	

旋转锉切削槽类型（BTC）

DC 双切削槽	AL 铝切削槽	AS 钛合金及耐热合金切削槽
ST 钢切削槽	GRP 玻璃纤维及复合材料切削槽	
VA 不锈钢切削槽	BR 螺栓切削槽	

基本标准组（BSG）

DORMER 多马标准

去毛刺加工形式

去毛刺 – 切螺栓加工形式1	曲面去毛刺及雕刻	背面去毛刺
去毛刺 – 切螺栓加工形式2	刃角半径去毛刺	平面去毛刺
封闭槽去毛刺及雕刻	自由手工去毛刺及雕刻	方肩去毛刺
复合纤维刨铣加工	倒角去毛刺	V形槽去毛刺

其它图标

螺栓尺寸

HM材料		
硬质合金材料 （或硬质材料）	HM	烧结粉末冶金基体，由金属硬质合金复合材料和粘结金属组成。最核心的原材料是碳化钨（WC）。碳化钨有助于提高材料硬度。碳化钽（TaC）、碳化钛（TiC）和碳化铌（NbC）是碳化钨的补充材料，可以根据需要调整碳化钨的性能。这三种材料被称为立方碳化物。钴（Co）起到粘结剂的作用，将材料粘结在一起。 硬质合金材料抗压强度高、硬度高，因此具有出色的耐磨性，但其抗弯强度和韧度有限。硬质合金用于丝锥、铰刀、铣刀、钻头和螺纹铣刀。

表面处理		
光亮（无涂层）		光亮处理（表面无涂层）可改善软质金属或有色金属材料的切屑流，并在切削研磨材料时保持切削刃锋利。

表面涂层		
氮化钛铝涂层（TiAlN）		氮化钛铝是一种采用PVD涂层技术的多层陶瓷涂层，具有较高的韧性和氧化稳定性。这些特性使其适合更高的线速度和进给，同时提高了刀具寿命。TiAlN用于钻孔、攻丝和铣削应用，也适用于不需要冷却剂的加工。

材料代码(BMC)		HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
旋转锉形式		A	A	B	B	C	C	D	D	E	F	F	G	G
旋转锉端部形式														
涂层		Bright	TiAlN	Bright	TiAlN	Bright	TiAlN	Bright	TiAlN	Bright	Bright	TiAlN	Bright	TiAlN
应用角度														
旋转锉类型代码(BTC)		DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC	DC
基本标准组(BSG)		DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER
产品系列代码		P801	P801C	P803	P803C	P805	P805C	P807	P807C	P809	P811	P811C	P813	P813C
		3.00 – 16.00	3.00 – 12.70	3.00 – 16.00	3.00 – 12.70	3.00 – 16.00	3.00 – 12.70	3.00 – 16.00	3.00 – 12.70	3.00 – 16.00	3.00 – 16.00	3.00 – 12.70	3.00 – 16.00	3.00 – 12.70
		230	231	232	233	234	235	236	237	238	239	240	241	242
P	P1	■	■	■	■	■	■	■	■	■	■	■	■	■
	P2	■	■	■	■	■	■	■	■	■	■	■	■	■
	P3	■	■	■	■	■	■	■	■	■	■	■	■	■
	P4	■	■	■	■	■	■	■	■	■	■	■	■	■
M	M1	■	■	■	■	■	■	■	■	■	■	■	■	■
	M2	■	■	■	■	■	■	■	■	■	■	■	■	■
	M3	■	■	■	■	■	■	■	■	■	■	■	■	■
	M4	■	■	■	■	■	■	■	■	■	■	■	■	■
K	K1	■	■	■	■	■	■	■	■	■	■	■	■	■
	K2	■	■	■	■	■	■	■	■	■	■	■	■	■
	K3	■	■	■	■	■	■	■	■	■	■	■	■	■
	K4	■	■	■	■	■	■	■	■	■	■	■	■	■
	K5	■	■	■	■	■	■	■	■	■	■	■	■	■
N	N1													
	N2													
	N3	■	■	■	■	■	■	■	■	■	■	■	■	■
	N4													
	N5													
S	S1	■	■	■	■	■	■	■	■	■	■	■	■	■
	S2	■	■	■	■	■	■	■	■	■	■	■	■	■
	S3	■	■	■	■	■	■	■	■	■	■	■	■	■
	S4	■	■	■	■	■	■	■	■	■	■	■	■	■
H	H1	■	■	■	■	■	■	■	■	■	■	■	■	■
	H2	■	■	■	■	■	■	■	■	■	■	■	■	■
	H3	■	■	■	■	■	■	■	■	■	■	■	■	■
	H4	■	■	■	■	■	■	■	■	■	■	■	■	■

■ 推荐使用 ◩ 可以使用

	P815	P815C	P817	P819	P821	P821C	P823	P825	P701	P703	P705	P707	P709	P711	P713
	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	H	H	J	K	L	L	M	N	A	B	C	D	E	F	G
	Bright	TiAlN	Bright	Bright	Bright	TiAlN	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright
			60°	90°											
	DC	DC	DC	DC	DC	DC	DC	DC	ST	ST	ST	ST	ST	ST	ST
	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER
	3.00 – 16.00	8.00 – 12.70	3.00 – 16.00	3.00 – 16.00	3.00 – 16.00	3.00 – 12.70	3.00 – 16.00	3.00 – 16.00	6.00 – 12.70	6.00 – 12.70	6.00 – 12.70	6.00 – 12.70	12.70	6.00 – 12.70	6.00 – 12.70
	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257
P1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
P2	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
P3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
P4	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
M1	■	■	■	■	■	■	■	■							
M2	■	■	■	■	■	■	■	■							
M3	■	■	■	■	■	■	■	■							
M4	■	■	■	■	■	■	■	■							
K1	■	■	■	■	■	■	■	■							
K2	■	■	■	■	■	■	■	■							
K3	■	■	■	■	■	■	■	■							
K4	■	■	■	■	■	■	■	■							
K5	■	■	■	■	■	■	■	■							
N1															
N2															
N3	■	■	■	■	■	■	■	■							
N4															
N5															
S1	■	■	■	■	■	■	■	■							
S2	■	■	■	■	■	■	■	■							
S3	■	■	■	■	■	■	■	■							
S4	■	■	■	■	■	■	■	■							
H1	■	■	■	■	■	■	■	■							
H2	■	■	■	■	■	■	■	■							
H3	■	■	■	■	■	■	■	■							
H4	■	■	■	■	■	■	■	■							

■ 推荐使用　◩可以使用

材料代码(BMC)		HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
旋转锉形式		H	L	A	C	D	E	F	G	H	L	A	B	C
旋转锉端部形式														
涂层		Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright
应用角度														
旋转锉类型代码(BTC)		ST	ST	VA	VA	VA	VA	VA	VA	VA	VA	AL	AL	AL
基本标准组(BSG)		DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER
产品系列代码		P715	P721	P601	P605	P607	P609	P611	P613	P615	P621	P831	P833	P835
		8.00 – 12.70	10.00 – 12.70	3.00 – 12.70	3.00 – 12.70	3.00 – 12.70	8.00 – 12.70	3.00 – 12.70	6.00 – 12.70	8.00 – 12.70	8.00 – 12.70	6.00 – 12.70	6.00 – 12.70	6.00 – 12.70
		258	259	260	261	262	263	264	265	266	267	268	269	270
P	P1	■	■											
	P2	■	■											
	P3	■	■											
	P4	■	■											
M	M1			■	■	■	■	■	■	■	■			
	M2			■	■	■	■	■	■	■	■			
	M3			■	■	■	■	■	■	■	■			
	M4			■	■	■	■	■	■	■	■			
K	K1									◩				
	K2													
	K3													
	K4			◩	◩	◩	◩	◩	◩	◩	◩			
	K5													
N	N1											■	■	■
	N2											■	■	■
	N3											◩	◩	◩
	N4											■	■	■
	N5													
S	S1											◩	◩	◩
	S2													
	S3													
	S4													
H	H1													
	H2													
	H3													
	H4													

■ 推荐使用 ◩ 可以使用

	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM
	D	F	L	A	C	D	E	F	G	H	L	M			
	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright	Bright
													135°	180°	
	AL	AL	AL	AS	AS	AS	AS	AS	AS	AS	AS	AS	GRP	GRP	BR
	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER
				NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW	NEW			NEW
	P837	P841	P842	P501	P505	P507	P509	P511	P513	P515	P521	P523	P843	P844	P100
	6.00 – 12.70	6.00 – 12.70	6.00 – 12.70	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00 – 8.00	3.00 – 8.00	4.90 – 10.70
	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285
P1															■
P2															■
P3															■
P4															■
M1															■
M2															■
M3				◩	◩	◩	◩	◩	◩	◩	◩	◩			■
M4				◩	◩	◩	◩	◩	◩	◩	◩	◩			
K1															
K2															
K3															
K4															
K5															
N1	■	■	■												
N2	■	■	■												
N3	◩	◩	◩												
N4	■	■	■										■	■	
N5															
S1	◩	◩	◩	■	■	■	■	■	■	■	■	■			
S2				■	■	■	■	■	■	■	■	■			
S3				■	■	■	■	■	■	■	■	■			
S4				■	■	■	■	■	■	■	■	■			
H1															
H2															
H3															
H4															

■ 推荐使用　◩ 可以使用

材料代码(BMC)		HM											
旋转锉形式													
旋转锉端部形式													
涂层		Bright											
应用角度		150°											
旋转锉类型代码 (BTC)		BR											
基本标准组(BSG)		DORMER											
		NEW	NEW										
产品系列代码		P101	P880	P890									
		4.90 – 10.70	Set	Set									
		286	287	288									
P	P1	■											
	P2	■											
	P3	■											
	P4	■											
M	M1	■											
	M2	■											
	M3	■											
	M4												
K	K1												
	K2												
	K3												
	K4												
	K5												
N	N1												
	N2												
	N3												
	N4												
	N5												
S	S1												
	S2												
	S3												
	S4												
H	H1												
	H2												
	H3												
	H4												

■ 推荐使用 ◩ 可以使用

RECOMMENDED OPERATING SPEED

AL DC

ISO		(RPM)						
		DC (mm)						
		3	6	8	10	12	16	20
P	min.	64 000	32 000	24 000	20 000	16 000	12 000	10 000
	max.	83 000	42 000	32 000	25 000	21 000	16 000	13 000
M	min.	45 000	23 000	17 000	14 000	12 000	9 000	7 000
	max.	64 000	32 000	24 000	20 000	16 000	12 000	10 000
K	min.	58 000	29 000	22 000	19 000	15 000	11 000	9 000
	max.	77 000	39 000	29 000	23 000	20 000	15 000	12 000
N	min.	64 000	32 000	24 000	20 000	16 000	12 000	10 000
	max.	96 000	48 000	36 000	29 000	24 000	18 000	15 000
S	min.	45 000	23 000	17 000	14 000	12 000	9 000	7 000
	max.	58 000	29 000	22 000	18 000	15 000	11 000	9 000
H	min.	51 000	26 000	20 000	16 000	13 000	10 000	8 000
	max.	71 000	36 000	27 000	22 000	18 000	14 000	11 000

ST BR

ISO		(RPM)				
		DC (mm)				
		3	6	8	10	12
P	min.	100 000	65 000	60 000	55 000	35 000
	max.	60 000	45 000	35 000	30 000	20 000

VA BR

ISO		(RPM)				
		DC (mm)				
		3	6	8	10	12
M	min.	100 000	65 000	60 000	55 000	35 000
	max.	60 000	30 000	25 000	20 000	15 000

GRP

ISO		(RPM)		
		DC (mm)		
		3	6	8
N4	min.	25 000	20 000	18 000
	max.	30 000	25 000	22 000

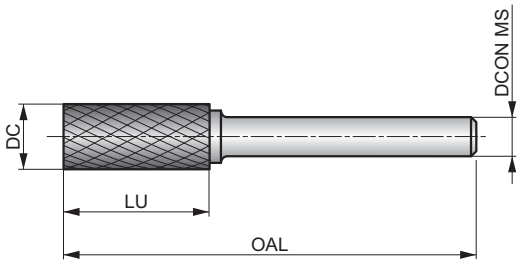
AS

ISO		(RPM)
		DC (mm)
		3
S	min.	60 000
	max.	80 000

P801

旋转锉 – 圆柱直柄无端切，槽型 – A，光亮

DC双刃槽类型，具有紧密间距刃，适用于修整和表面去毛刺。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | A | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**N3.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	◪
S1.1	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H2.1**	**H2.2**	**H3.1**	**H3.2**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
H4.1	**H4.2**												
■	■												

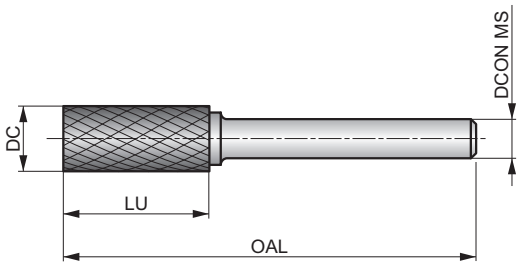
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8013.0X3.0	3.00	3.00	14.00	38.0
P8016.3X3.0	6.30	3.00	12.70	45.0
P8016.0X6.0	6.00	6.00	18.00	50.0
P8018.0X6.0	8.00	6.00	19.00	64.0
P8019.6X6.0	9.60	6.00	19.00	64.0
P80112.7X6.0	12.70	6.00	25.00	70.0
P80116.0X6.0	16.00	6.00	25.00	70.0

P801C

旋转锉 – 圆柱直柄无端切，槽型 – A，TiAlN涂层

DC双刃槽类型，具有紧密间距刃，适用于修整和表面去毛刺。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。TiALN涂层提高刀具使用寿命，低摩擦和提高切屑排出。



HM | A | TiAlN
DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■	■	■	■	■	■	■	■	■	■	■	■	■	■

K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	N3.3
■	■	■	■	■	■	■	■	■	■	■	■	■	◪

S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	H1.1	H2.1	H2.2	H3.1	H3.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

H4.1	H4.2
■	■

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.

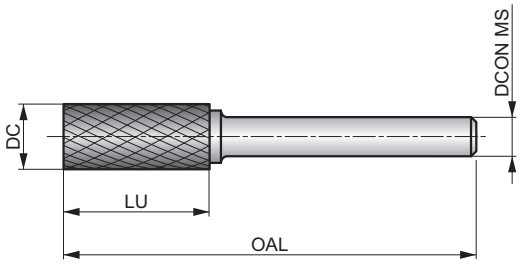
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P801C3.0X3.0	3.00	3.00	14.00	38.0
P801C6.0X6.0	6.00	6.00	18.00	50.0
P801C8.0X6.0	8.00	6.00	19.00	64.0
P801C9.6X6.0	9.60	6.00	19.00	64.0
P801C12.7X6.0	12.70	6.00	25.00	70.0

P803

DORMER

旋转锉 – 圆柱直柄有端切，槽型 – B，光亮

DC双刃槽类型，具有紧密间距刃，适用于修整和表面去毛刺和直角拐角。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | B | Bright | DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■	■	■	■	■	■	■	■	■	■	■	■	■	■

K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	N3.3
■	■	■	■	■	■	■	■	■	■	■	■	■	◪

S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	H1.1	H2.1	H2.2	H3.1	H3.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

H4.1	H4.2
■	■

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880或P890

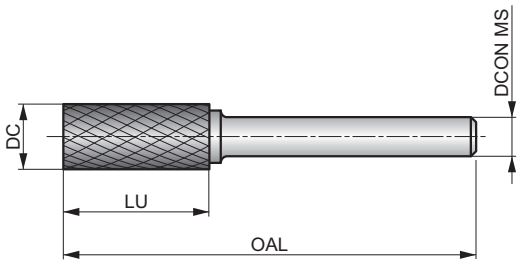
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8033.0X3.0	3.00	3.00	14.00	38.0
P8036.3X3.0	6.30	3.00	12.70	45.0
P8036.0X6.0	6.00	6.00	18.00	50.0
P8038.0X6.0	8.00	6.00	19.00	64.0
P8039.6X6.0	9.60	6.00	19.00	64.0
P80312.7X6.0	12.70	6.00	25.00	70.0
P80316.0X6.0	16.00	6.00	25.00	70.0

P803C

DORMER

旋转锉 – 圆柱直柄有端切，槽型 – B，TiAlN涂层

DC双刃槽类型，具有紧密间距刃，适用于修整和表面去毛刺和直角拐角。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。TiALN涂层提高刀具使用寿命，低摩擦和提高切屑排出。



HM | B | TiAlN | DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■	■	■	■	■	■	■	■	■	■	■	■	■	■

K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	N3.3
■	■	■	■	■	■	■	■	■	■	■	■	■	◪

S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	H1.1	H2.1	H2.2	H3.1	H3.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

H4.1	H4.2
■	■

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

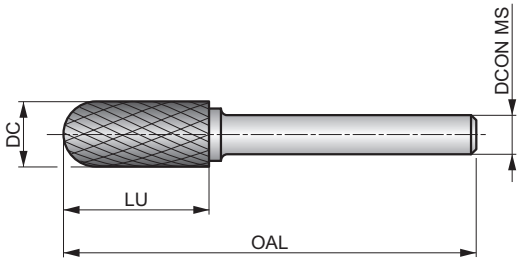
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P803C3.0X3.0	3.00	3.00	14.00	38.0
P803C6.0X6.0	6.00	6.00	18.00	50.0
P803C8.0X6.0	8.00	6.00	19.00	64.0
P803C9.6X6.0	9.60	6.00	19.00	64.0
P803C12.7X6.0	12.70	6.00	25.00	70.0

P805

DORMER

旋转锉 – 圆柱直柄球头形，槽型 – C，光亮

DC双刃槽类型，具有紧密间距刃，适用于修整和轮廓和圆弧去毛刺。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | C | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**N3.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	◪
S1.1	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H2.1**	**H2.2**	**H3.1**	**H3.2**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
H4.1	**H4.2**												
■	■												

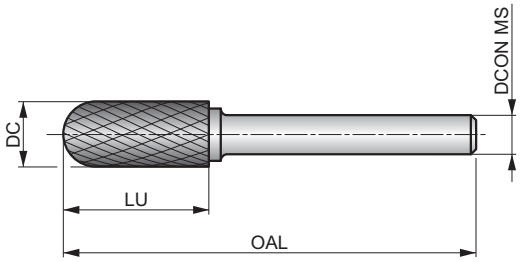
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880或P890

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8053.0X3.0	3.00	3.00	14.00	38.0
P8056.3X3.0	6.30	3.00	12.70	45.0
P8056.0X6.0	6.00	6.00	18.00	50.0
P8058.0X6.0	8.00	6.00	19.00	64.0
P8059.6X6.0	9.60	6.00	19.00	64.0
P80512.7X6.0	12.70	6.00	25.00	70.0
P80516.0X6.0	16.00	6.00	25.00	70.0

P805C

旋转锉 – 圆柱直柄球头形，槽型 – C，TiAlN涂层

DC双刃槽类型，具有紧密间距刃，适用于修整和轮廓和圆弧去毛刺。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。TiALN涂层提高刀具使用寿命，低摩擦和提高切屑排出。



工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**N3.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	◪
S1.1	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H2.1**	**H2.2**	**H3.1**	**H3.2**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
H4.1	**H4.2**												
■	■												

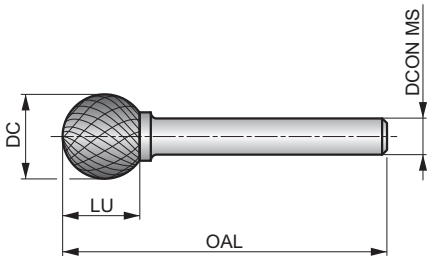
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC	DCON MS	LU	OAL
	(mm)	(mm)	(mm)	(mm)
P805C3.0X3.0	3.00	3.00	14.00	38.0
P805C6.0X6.0	6.00	6.00	18.00	50.0
P805C8.0X6.0	8.00	6.00	19.00	64.0
P805C9.6X6.0	9.60	6.00	19.00	64.0
P805C12.7X6.0	12.70	6.00	25.00	70.0

P807

旋转锉 – 球头形，槽型 – D，光亮

DC双刃槽类型，具有紧密间距刃，适用于复杂的雕刻，金属雕刻和焊前准备。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | D | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■	■	■	■	■	■	■	■	■	■	■	■	■	■

K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	N3.3
■	■	■	■	■	■	■	■	■	■	■	■	■	◪

S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	H1.1	H2.1	H2.2	H3.1	H3.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

H4.1	H4.2
■	■

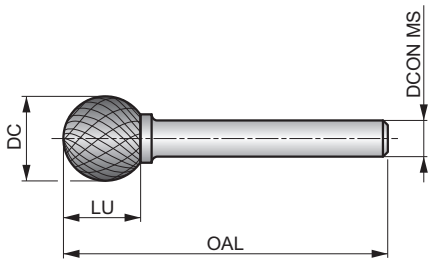
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8073.0X3.0	3.00	3.00	2.50	38.0
P8074.0X3.0	4.00	3.00	3.40	38.0
P8076.3X3.0	6.30	3.00	5.00	38.0
P8076.0X6.0	6.00	6.00	4.70	50.0
P8078.0X6.0	8.00	6.00	6.00	52.0
P8079.6X6.0	9.60	6.00	8.00	54.0
P80712.7X6.0	12.70	6.00	11.00	56.0
P80716.0X6.0	16.00	6.00	14.00	59.0

P807C

旋转锉 – 球头形，槽型 – D，TiAlN涂层

DC双刃槽类型，具有紧密间距刃，适用于复杂的雕刻，金属雕刻和焊前准备。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。TiALN涂层提高刀具使用寿命，低摩擦和提高切屑排出。



HM | D | TiAlN
DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■	■	■	■	■	■	■	■	■	■	■	■	■	■

K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	N3.3
■	■	■	■	■	■	■	■	■	■	■	■	■	◪

S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	H1.1	H2.1	H2.2	H3.1	H3.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

H4.1	H4.2
■	■

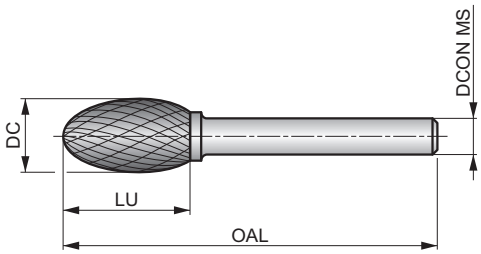
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P807C3.0X3.0	3.00	3.00	2.50	38.0
P807C6.0X6.0	6.00	6.00	4.70	50.0
P807C8.0X6.0	8.00	6.00	6.00	52.0
P807C9.6X6.0	9.60	6.00	8.00	54.0
P807C12.7X6.0	12.70	6.00	11.00	56.0

P809

旋转锉 – 椭圆形，槽型 – E

DC双刃槽类型，具有紧密间距刃，适用于圆形轮廓。整体硬质合金设计，切削直径至6 mm；6 mm以上硬质合金刀头，具有坚固和表面硬化刀柄。



HM | E | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1 ■	P1.2 ■	P1.3 ■	P2.1 ■	P2.2 ■	P2.3 ■	P3.1 ■	P3.2 ■	P3.3 ■	P4.1 ■	P4.2 ■	P4.3 ■	M1.1 ■	M1.2 ■
M2.1 ■	M2.2 ■	M2.3 ■	M3.1 ■	M3.2 ■	M3.3 ■	M4.1 ■	M4.2 ■	K1.1 ■	K1.2 ■	K1.3 ■	K2.1 ■	K2.2 ■	K2.3 ■
K3.1 ■	K3.2 ■	K3.3 ■	K4.1 ■	K4.2 ■	K4.3 ■	K4.4 ■	K4.5 ■	K5.1 ■	K5.2 ■	K5.3 ■	N3.1 ■	N3.2 ■	N3.3 ◪
S1.1 ■	S1.2 ■	S1.3 ■	S2.1 ■	S2.2 ■	S3.1 ■	S3.2 ■	S4.1 ■	S4.2 ■	H1.1 ■	H2.1 ■	H2.2 ■	H3.1 ■	H3.2 ■
H4.1 ■	H4.2 ■												

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

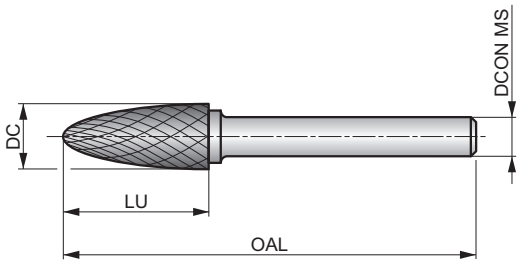
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8093.0X3.0	3.00	3.00	6.00	38.0
P8096.3X3.0	6.30	3.00	9.50	42.0
P8096.0X6.0	6.00	6.00	10.00	50.0
P8098.0X6.0	8.00	6.00	15.00	60.0
P8099.6X6.0	9.60	6.00	16.00	60.0
P80912.7X6.0	12.70	6.00	22.00	67.0
P80916.0X6.0	16.00	6.00	25.00	70.0

P811

DORMER

旋转锉 – 球头树状，槽型 – F，光亮

DC双刃槽类型，具有紧密间距刃，适用于多角度轮廓，边缘倒圆角和难以达到的区域。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM	F	Bright
DC	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1 ■	P1.2 ■	P1.3 ■	P2.1 ■	P2.2 ■	P2.3 ■	P3.1 ■	P3.2 ■	P3.3 ■	P4.1 ■	P4.2 ■	P4.3 ■	M1.1 ■	M1.2 ■
M2.1 ■	M2.2 ■	M2.3 ■	M3.1 ■	M3.2 ■	M3.3 ■	M4.1 ■	M4.2 ■	K1.1 ■	K1.2 ■	K1.3 ■	K2.1 ■	K2.2 ■	K2.3 ■
K3.1 ■	K3.2 ■	K3.3 ■	K4.1 ■	K4.2 ■	K4.3 ■	K4.4 ■	K4.5 ■	K5.1 ■	K5.2 ■	K5.3 ■	N3.1 ■	N3.2 ■	N3.3 ◪
S1.1 ■	S1.2 ■	S1.3 ■	S2.1 ■	S2.2 ■	S3.1 ■	S3.2 ■	S4.1 ■	S4.2 ■	H1.1 ■	H2.1 ■	H2.2 ■	H3.1 ■	H3.2 ■
H4.1 ■	H4.2 ■												

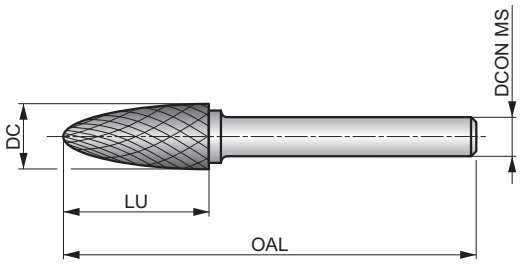
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880或P890

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8113.0X3.0	3.00	3.00	14.00	38.0
P8116.3X3.0	6.30	3.00	12.70	45.0
P8116.0X6.0	6.00	6.00	18.00	50.0
P8118.0X6.0	8.00	6.00	20.00	65.0
P8119.6X6.0	9.60	6.00	19.00	64.0
P81112.7X6.0	12.70	6.00	25.00	70.0
P81116.0X6.0	16.00	6.00	25.00	70.0

P811C

旋转锉 – 球头树状，槽型 – F，TiAlN涂层

DC双刃槽类型，具有紧密间距刃，适用于多角度轮廓，边缘倒圆角和难以达到的区域。整体硬质合金设计，切削直径至6 mm；6 mm以上硬质合金刀头与坚固的钢质刀柄。TiALN涂层提高刀具使用寿命，低摩擦和提高切屑排出。



HM | F | TiAlN

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1 ■	P1.2 ■	P1.3 ■	P2.1 ■	P2.2 ■	P2.3 ■	P3.1 ■	P3.2 ■	P3.3 ■	P4.1 ■	P4.2 ■	P4.3 ■	M1.1 ■	M1.2 ■
M2.1 ■	M2.2 ■	M2.3 ■	M3.1 ■	M3.2 ■	M3.3 ■	M4.1 ■	M4.2 ■	K1.1 ■	K1.2 ■	K1.3 ■	K2.1 ■	K2.2 ■	K2.3 ■
K3.1 ■	K3.2 ■	K3.3 ■	K4.1 ■	K4.2 ■	K4.3 ■	K4.4 ■	K4.5 ■	K5.1 ■	K5.2 ■	K5.3 ■	N3.1 ■	N3.2 ■	N3.3 ◪
S1.1 ■	S1.2 ■	S1.3 ■	S2.1 ■	S2.2 ■	S3.1 ■	S3.2 ■	S4.1 ■	S4.2 ■	H1.1 ■	H2.1 ■	H2.2 ■	H3.1 ■	H3.2 ■
H4.1 ■	H4.2 ■												

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

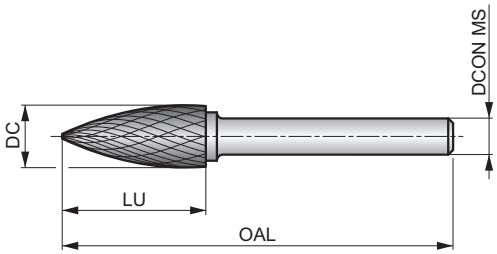
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P811C3.0X3.0	3.00	3.00	14.00	38.0
P811C6.0X6.0	6.00	6.00	18.00	50.0
P811C9.6X6.0	9.60	6.00	19.00	64.0
P811C12.7X6.0	12.70	6.00	25.00	70.0

P813

DORMER

旋转锉 – 镶尖树状，槽型 – G，光亮

DC双刃槽类型，具有紧密间距刃，适用于多角度轮廓和在难以达到的窄角区域进行切削。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | G | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**N3.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	◪
S1.1	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H2.1**	**H2.2**	**H3.1**	**H3.2**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
H4.1	**H4.2**												
■	■												

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880或P890

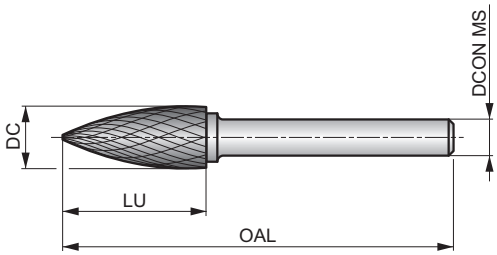
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8133.0X3.0	3.00	3.00	14.00	38.0
P8136.3X3.0	6.30	3.00	12.70	45.0
P8136.0X6.0	6.00	6.00	18.00	50.0
P8138.0X6.0	8.00	6.00	19.00	64.0
P8139.6X6.0	9.60	6.00	19.00	64.0
P81312.7X6.0	12.70	6.00	25.00	70.0
P81316.0X6.0	16.00	6.00	25.00	70.0

P813C

DORMER

旋转锉 – 镶尖树状，槽型 – G，TiAlN涂层

DC双刃槽类型，具有紧密间距刃，适用于多角度轮廓和在难以达到的窄角区域进行切削。整体硬质合金设计，切削直径至6 mm；6 mm以上硬质合金刀头与坚固的钢质刀柄。TiALN涂层提高刀具使用寿命，低摩擦和提高切屑排出。



HM | G | TiAlN

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1 ■	P1.2 ■	P1.3 ■	P2.1 ■	P2.2 ■	P2.3 ■	P3.1 ■	P3.2 ■	P3.3 ■	P4.1 ■	P4.2 ■	P4.3 ■	M1.1 ■	M1.2 ■
M2.1 ■	M2.2 ■	M2.3 ■	M3.1 ■	M3.2 ■	M3.3 ■	M4.1 ■	M4.2 ■	K1.1 ■	K1.2 ■	K1.3 ■	K2.1 ■	K2.2 ■	K2.3 ■
K3.1 ■	K3.2 ■	K3.3 ■	K4.1 ■	K4.2 ■	K4.3 ■	K4.4 ■	K4.5 ■	K5.1 ■	K5.2 ■	K5.3 ■	N3.1 ■	N3.2 ■	N3.3 ◪
S1.1 ■	S1.2 ■	S1.3 ■	S2.1 ■	S2.2 ■	S3.1 ■	S3.2 ■	S4.1 ■	S4.2 ■	H1.1 ■	H2.1 ■	H2.2 ■	H3.1 ■	H3.2 ■
H4.1 ■	H4.2 ■												

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

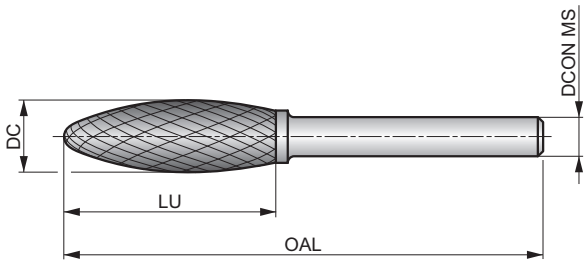
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P813C3.0X3.0	3.00	3.00	14.00	38.0
P813C6.0X6.0	6.00	6.00	18.00	50.0
P813C9.6X6.0	9.60	6.00	19.00	64.0
P813C12.7X6.0	12.70	6.00	25.00	70.0

P815

DORMER

旋转锉 – 发散形状，槽型 – H，光亮

DC双刃槽类型，具有紧密间距刃，适用于圆形轮廓和焊前准备。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | H | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■	■	■	■	■	■	■	■	■	■	■	■	■	■

K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	N3.3
■	■	■	■	■	■	■	■	■	■	■	■	■	◪

S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	H1.1	H2.1	H2.2	H3.1	H3.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

H4.1	H4.2
■	■

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

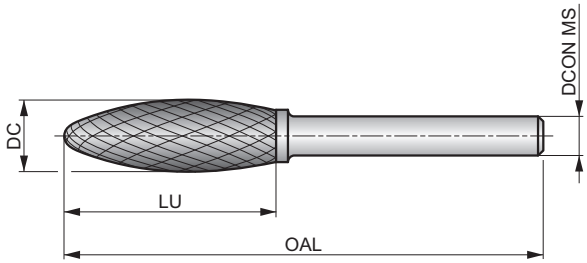
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8153.0X3.0	3.00	3.00	6.00	38.0
P8156.0X6.0	6.00	6.00	14.00	50.0
P8158.0X6.0	8.00	6.00	19.00	64.0
P8159.6X6.0	9.60	6.00	19.00	65.0
P81512.7X6.0	12.70	6.00	32.00	77.0
P81516.0X6.0	16.00	6.00	36.00	81.0

P815C

DORMER

旋转锉 – 发散形状，槽型 – H，TiAlN涂层

DC双刃槽类型，具有紧密间距刃，适用于圆形轮廓和焊前准备。坚固的硬质合金刀头与表面硬化刀柄。TiALN涂层提高刀具使用寿命，低摩擦和提高切屑排出。



HM | H | TiAlN

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■	■	■	■	■	■	■	■	■	■	■	■	■	■

K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N3.1	N3.2	N3.3
■	■	■	■	■	■	■	■	■	■	■	■	■	◪

S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2	H1.1	H2.1	H2.2	H3.1	H3.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■

H4.1	H4.2
■	■

铜焊在钢柄上,DCON MS公差h7.

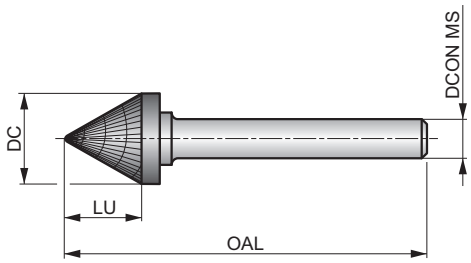
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P815C8.0X6.0	8.00	6.00	19.00	64.0
P815C12.7X6.0	12.70	6.00	32.00	77.0

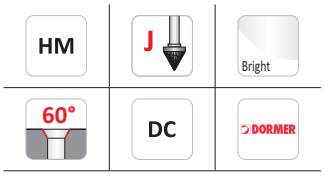
P817

DORMER

旋转锉 – 60°沉孔，槽型 – J

DC双刃槽类型，具有紧密间距刃，适用于倒角，制作V形切口和焊前准备。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。





工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**N3.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	◪
S1.1	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H2.1**	**H2.2**	**H3.1**	**H3.2**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
H4.1	**H4.2**												
■	■												

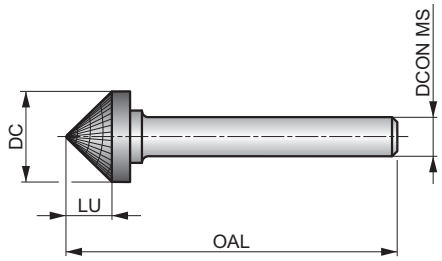
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8173.0X3.0	3.00	3.00	2.50	38.0
P8176.0X6.0	6.00	6.00	4.00	50.0
P8179.6X6.0	9.60	6.00	8.00	56.0
P81712.7X6.0	12.70	6.00	11.00	59.0
P81716.0X6.0	16.00	6.00	14.50	63.0

P819

旋转锉 – 90°沉孔，槽型 – K

DC双刃槽类型，具有紧密间距刃，适用于倒角，制作V形切口和焊前准备。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | K | Bright
90° | DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1 ■	P1.2 ■	P1.3 ■	P2.1 ■	P2.2 ■	P2.3 ■	P3.1 ■	P3.2 ■	P3.3 ■	P4.1 ■	P4.2 ■	P4.3 ■	M1.1 ■	M1.2 ■
M2.1 ■	M2.2 ■	M2.3 ■	M3.1 ■	M3.2 ■	M3.3 ■	M4.1 ■	M4.2 ■	K1.1 ■	K1.2 ■	K1.3 ■	K2.1 ■	K2.2 ■	K2.3 ■
K3.1 ■	K3.2 ■	K3.3 ■	K4.1 ■	K4.2 ■	K4.3 ■	K4.4 ■	K4.5 ■	K5.1 ■	K5.2 ■	K5.3 ■	N3.1 ■	N3.2 ■	N3.3 ◪
S1.1 ■	S1.2 ■	S1.3 ■	S2.1 ■	S2.2 ■	S3.1 ■	S3.2 ■	S4.1 ■	S4.2 ■	H1.1 ■	H2.1 ■	H2.2 ■	H3.1 ■	H3.2 ■
H4.1 ■	H4.2 ■												

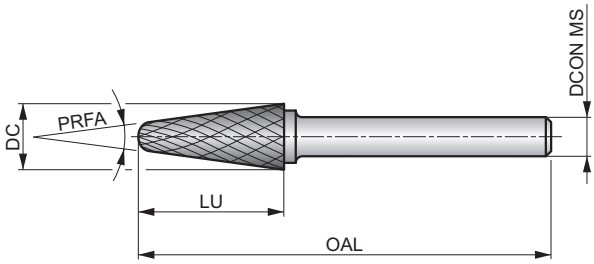
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8193.0X3.0	3.00	3.00	1.50	38.0
P8196.0X6.0	6.00	6.00	3.00	50.0
P8199.6X6.0	9.60	6.00	4.70	53.0
P81912.7X6.0	12.70	6.00	6.30	55.0
P81916.0X6.0	16.00	6.00	8.00	57.0

P821

旋转锉 – 球头锥形，槽型 – L，光亮

DC双刃槽类型，具有紧密间距刃，在狭窄的角落或其他难以达到的区域，用于扩孔，倒圆角和表面精加工。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | L | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**N3.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	◪
S1.1	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H2.1**	**H2.2**	**H3.1**	**H3.2**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
H4.1	**H4.2**												
■	■												

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880或P890

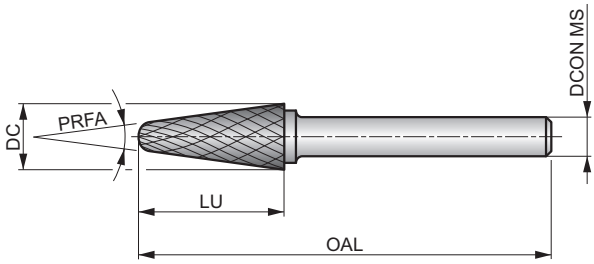
产品型号	DC	DCON MS	LU	OAL	PRFA
	(mm)	(mm)	(mm)	(mm)	(°)
P8213.0X3.0	3.00	3.00	14.00	38.0	8
P8216.0X6.0	6.00	6.00	18.00	50.0	14
P8218.0X6.0	8.00	6.00	25.40	70.0	14
P8219.6X6.0	9.60	6.00	30.00	76.0	14
P82112.7X6.0	12.70	6.00	32.00	77.0	14
P82116.0X6.0	16.00	6.00	33.00	78.0	14

P821C

DORMER

旋转锉 – 球头锥形，槽型 – L，TiAlN涂层

DC双刃槽类型，具有紧密间距刃，在狭窄的角落或其他难以达到的区域，用于扩孔，倒圆角和表面精加工。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。TiALN涂层提高刀具使用寿命。



HM | L | TiAlN

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1 ■	P1.2 ■	P1.3 ■	P2.1 ■	P2.2 ■	P2.3 ■	P3.1 ■	P3.2 ■	P3.3 ■	P4.1 ■	P4.2 ■	P4.3 ■	M1.1 ■	M1.2 ■
M2.1 ■	M2.2 ■	M2.3 ■	M3.1 ■	M3.2 ■	M3.3 ■	M4.1 ■	M4.2 ■	K1.1 ■	K1.2 ■	K1.3 ■	K2.1 ■	K2.2 ■	K2.3 ■
K3.1 ■	K3.2 ■	K3.3 ■	K4.1 ■	K4.2 ■	K4.3 ■	K4.4 ■	K4.5 ■	K5.1 ■	K5.2 ■	K5.3 ■	N3.1 ■	N3.2 ■	N3.3 ◪
S1.1 ■	S1.2 ■	S1.3 ■	S2.1 ■	S2.2 ■	S3.1 ■	S3.2 ■	S4.1 ■	S4.2 ■	H1.1 ■	H2.1 ■	H2.2 ■	H3.1 ■	H3.2 ■
H4.1 ■	H4.2 ■												

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.

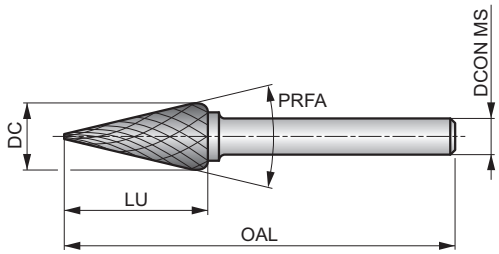
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)	PRFA (°)
P821C3.0X3.0	3.00	3.00	14.00	38.0	8
P821C12.7X6.0	12.70	6.00	32.00	77.0	14

P823

DORMER

旋转锉 – 锥形，槽型 – M

DC双刃槽类型，具有紧密间距刃，用于扩孔，表面精加工和在难以达到的窄角区域进行切削。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | M | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■	■	■	■	■	■	■	■	■	■	■	■	■	■
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N3.1**	**N3.2**	**N3.3**
■	■	■	■	■	■	■	■	■	■	■	■	■	◪
S1.1	**S1.2**	**S1.3**	**S2.1**	**S2.2**	**S3.1**	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H2.1**	**H2.2**	**H3.1**	**H3.2**
■	■	■	■	■	■	■	■	■	■	■	■	■	■
H4.1	**H4.2**												
■	■												

DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.

该系列产品有套装提供。请参阅P880

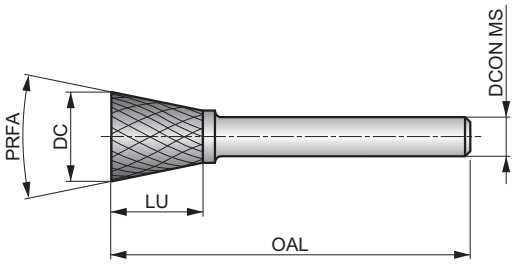
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)	PRFA (°)
P8233.0X3.0	3.00	3.00	11.00	38.0	14
P8236.3X3.0	6.30	3.00	12.70	49.0	22
P8236.0X6.0	6.00	6.00	20.00	50.0	14
P8239.6X6.0	9.60	6.00	16.00	64.0	28
P82312.7X6.0	12.70	6.00	22.00	71.0	28
P82316.0X6.0	16.00	6.00	25.00	71.0	31

P825

DORMER

旋转锉 – 倒锥形，槽型 – N

DC双刃槽类型，具有紧密间距刃，适用于制作倒V形切口和背部倒角。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。



HM | N | Bright

DC | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1 ■	P1.2 ■	P1.3 ■	P2.1 ■	P2.2 ■	P2.3 ■	P3.1 ■	P3.2 ■	P3.3 ■	P4.1 ■	P4.2 ■	P4.3 ■	M1.1 ■	M1.2 ■
M2.1 ■	M2.2 ■	M2.3 ■	M3.1 ■	M3.2 ■	M3.3 ■	M4.1 ■	M4.2 ■	K1.1 ■	K1.2 ■	K1.3 ■	K2.1 ■	K2.2 ■	K2.3 ■
K3.1 ■	K3.2 ■	K3.3 ■	K4.1 ■	K4.2 ■	K4.3 ■	K4.4 ■	K4.5 ■	K5.1 ■	K5.2 ■	K5.3 ■	N3.1 ■	N3.2 ■	N3.3 ◪
S1.1 ■	S1.2 ■	S1.3 ■	S2.1 ■	S2.2 ■	S3.1 ■	S3.2 ■	S4.1 ■	S4.2 ■	H1.1 ■	H2.1 ■	H2.2 ■	H3.1 ■	H3.2 ■
H4.1 ■	H4.2 ■												

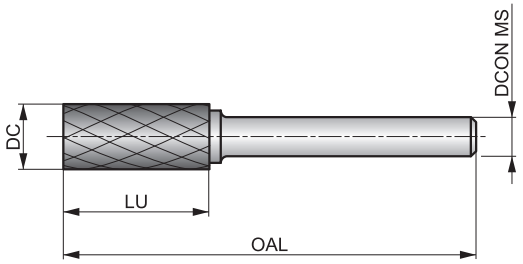
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)	PRFA (°)
P8253.0X3.0	3.00	3.00	4.00	38.0	10
P8256.3X3.0	6.30	3.00	6.00	39.0	12
P8256.0X6.0	6.00	6.00	8.00	50.0	10
P8259.6X6.0	9.60	6.00	9.50	55.0	16
P82512.7X6.0	12.70	6.00	12.70	58.0	28
P82516.0X6.0	16.00	6.00	19.00	64.0	18

P701

旋转锉 – 圆柱直柄无端切，槽型 – A

ST用单切削槽型类型，断屑槽和中等间距刃口，适用于修整和表面去毛刺。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于钢件。



HM	A	Bright
ST	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

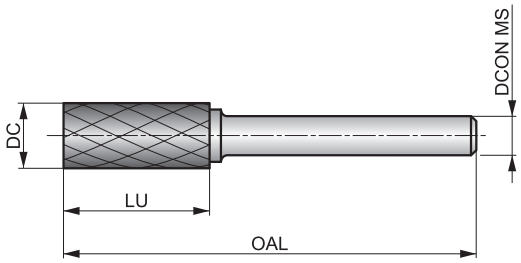
DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P7016.0X6.0	6.00	6.00	18.00	50.0
P7018.0X6.0	8.00	6.00	19.00	64.0
P7019.6X6.0	9.60	6.00	19.00	64.0
P70112.7X6.0	12.70	6.00	25.00	70.0

P703

旋转锉 – 圆柱直柄有端切，槽型 – B

ST用单切削槽型类型，断屑槽和中等间距刃口，适用于修整和表面去毛刺和直角拐角。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于钢件。



HM | B | Bright | ST | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.
该系列产品有套装提供。请参阅P880

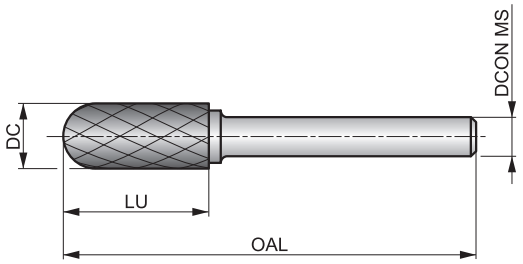
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P7036.0X6.0	6.00	6.00	18.00	50.0
P7038.0X6.0	8.00	6.00	19.00	64.0
P7039.6X6.0	9.60	6.00	19.00	64.0
P70312.7X6.0	12.70	6.00	25.00	70.0

P705

DORMER

旋转锉 – 圆柱直柄球头形，槽型 – C

ST用单切削槽型类型，断屑槽和中等间距刃口，适用于修整和轮廓和圆弧去毛刺。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于钢件。



HM	C	Bright
ST	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

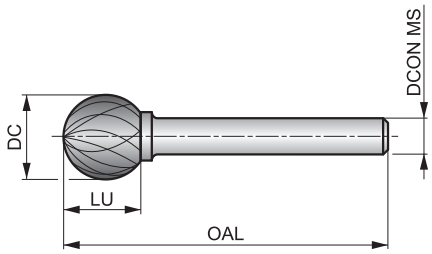
DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P7056.0X6.0	6.00	6.00	18.00	50.0
P7058.0X6.0	8.00	6.00	19.00	64.0
P7059.6X6.0	9.60	6.00	19.00	64.0
P70512.7X6.0	12.70	6.00	25.00	70.0

P707

旋转锉 – 球头形，槽型 – D

ST用单切削槽型类型，断屑槽和中等间距刃口，适用于复杂的雕刻，金属雕刻和焊前准备。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于钢件。



HM | D | Bright

ST | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.
该系列产品有套装提供。请参阅P880

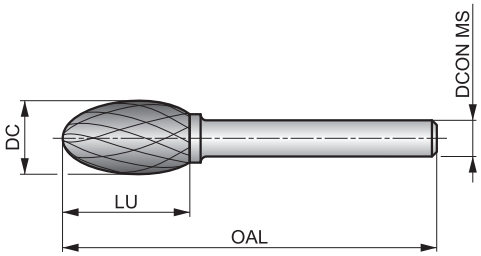
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P7076.0X6.0	6.00	6.00	4.70	50.0
P7078.0X6.0	8.00	6.00	6.00	52.0
P7079.6X6.0	9.60	6.00	8.00	54.0
P70712.7X6.0	12.70	6.00	11.00	56.0

P709

DORMER

旋转锉 – 椭圆形，槽型 – E

ST用单切削槽型类型，断屑槽和中等间距刃口，适用于圆形轮廓。坚固的硬质合金刀头与表面硬化刀柄。首选用于钢件。



HM	E	Bright
ST	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

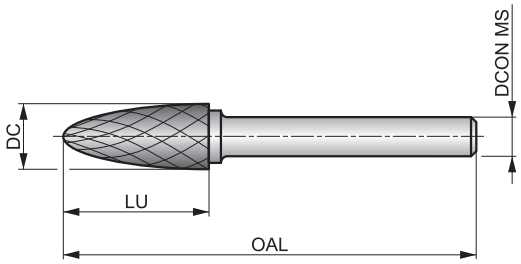
铜焊在钢柄上,DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P70912.7X6.0	12.70	6.00	22.00	67.0

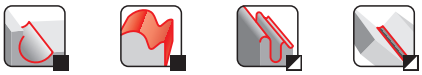
P711

旋转锉 – 球头树状，槽型 – F

ST用单切削槽型类型，断屑槽和中等间距刃口，适用于多角度轮廓，边缘倒圆角和难以达到的区域。硬质合金设计，切削直径等同于6 mm；6 mm以上硬质合金刀头，具有坚固和表面硬化刀柄。首选用于钢件。



HM	F	Bright
ST	DORMER	



工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

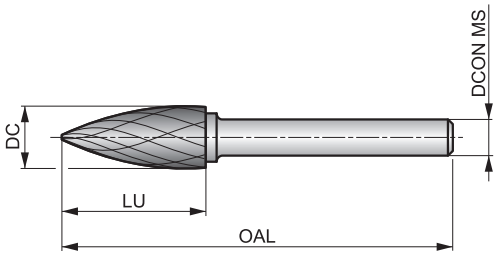
DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P7116.0X6.0	6.00	6.00	18.00	50.0
P7118.0X6.0	8.00	6.00	20.00	65.0
P7119.6X6.0	9.60	6.00	19.00	64.0
P71112.7X6.0	12.70	6.00	25.00	70.0

P713

旋转锉 – 镶尖树状，槽型 – G

ST用单切削槽型类型，断屑槽和中等间距刃口，适用于多角度轮廓和在难以达到的窄角区域进行切削。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于钢件。



HM	G	Bright
ST	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

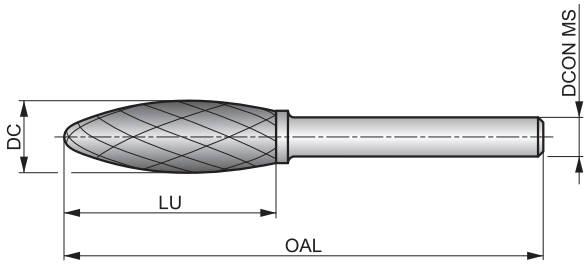
DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P7136.0X6.0	6.00	6.00	18.00	50.0
P7138.0X6.0	8.00	6.00	19.00	64.0
P7139.6X6.0	9.60	6.00	19.00	64.0
P71312.7X6.0	12.70	6.00	25.00	70.0

P715

旋转锉 – 发散形状，槽型 – H

ST用单切削槽型类型，断屑槽和中等间距刃口，适用于圆形轮廓和焊前准备。坚固的硬质合金刀头与表面硬化刀柄。首选用于钢件。



HM | H | Bright

ST | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

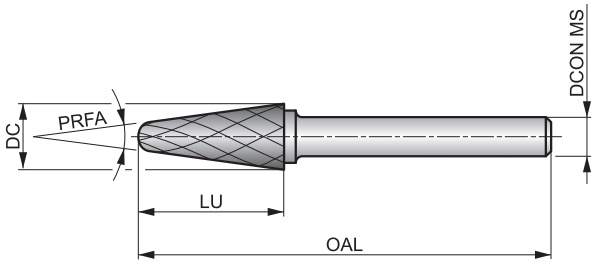
铜焊在钢柄上,DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P7158.0X6.0	8.00	6.00	19.00	64.0
P71512.7X6.0	12.70	6.00	32.00	77.0

P721

旋转锉 – 球头锥形，槽型 – L

ST用单切削槽型类型，断屑槽和中等间距刃口，在狭窄的角落或其他难以达到的区域，用于扩孔，倒圆角和表面精加工。坚固的硬质合金刀头与表面硬化刀柄。首选用于钢件。



HM | L | Bright

ST | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3
■	■	■	■	■	■	■	■	■	■	■	■

铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

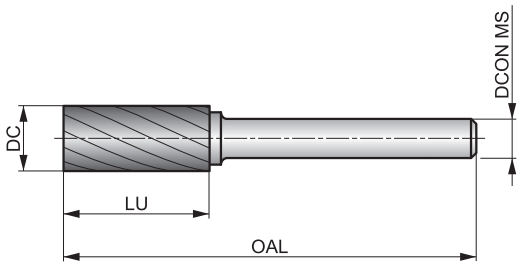
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)	PRFA (°)
P72110.0X6.0	10.00	6.00	20.00	65.0	14
P7219.6X6.0	9.60	6.00	30.00	76.0	14
P72112.7X6.0	12.70	6.00	32.00	77.0	14

P601

DORMER

旋转锉 – 圆柱直柄无端切，槽型 – A

VA用单切削槽型类型，具有中等间距刃口，适用于修整和表面去毛刺。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于不锈钢。



HM | A | Bright

VA | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M1.1	M1.2	M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K4.1	K4.2
■	■	■	■	■	■	■	■	■	■	◪	◪

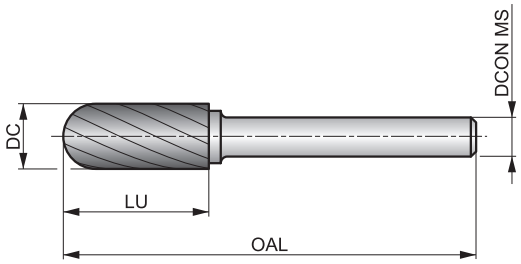
DC ≤ 6.00 mm: DCON MS公差h6, DC > 6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P6013.0X3.0	3.00	3.00	14.00	38.0
P6016.3X3.0	6.30	3.00	12.70	45.0
P6016.0X6.0	6.00	6.00	18.00	50.0
P6018.0X6.0	8.00	6.00	19.00	64.0
P6019.6X6.0	9.60	6.00	19.00	64.0
P60112.7X6.0	12.70	6.00	25.00	70.0

P605

旋转锉 – 圆柱直柄球头形，槽型 – C

VA用单切削槽型类型，具有中等间距刃口，适用于修整和轮廓和圆弧去毛刺。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于不锈钢。



HM	C	Bright
VA	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M1.1	M1.2	M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K4.1	K4.2
■	■	■	■	■	■	■	■	■	■	◪	◪

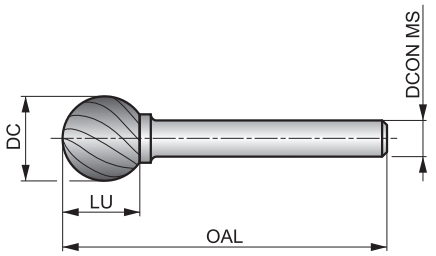
DC ≤ 6.00 mm: DCON MS公差h6, DC>6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P6053.0X3.0	3.00	3.00	14.00	38.0
P6056.3X3.0	6.30	3.00	12.70	45.0
P6056.0X6.0	6.00	6.00	18.00	50.0
P6058.0X6.0	8.00	6.00	19.00	64.0
P6059.6X6.0	9.60	6.00	19.00	64.0
P60512.7X6.0	12.70	6.00	25.00	70.0

P607

旋转锉 – 球头形，槽型 – D

VA用单切削槽型类型，具有中等间距刃口，适用于复杂的雕刻，金属雕刻和焊前准备。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于不锈钢。



HM | D | Bright

VA | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M1.1	M1.2	M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K4.1	K4.2
■	■	■	■	■	■	■	■	■	■	◪	◪

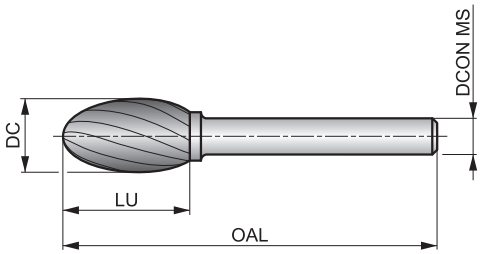
DC ≤ 6.00 mm: DCON MS公差h6, DC > 6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P6073.0X3.0	3.00	3.00	2.50	38.0
P6076.3X3.0	6.30	3.00	5.00	38.0
P6076.0X6.0	6.00	6.00	4.70	50.0
P6078.0X6.0	8.00	6.00	6.00	52.0
P6079.6X6.0	9.60	6.00	8.00	54.0
P60712.7X6.0	12.70	6.00	11.00	56.0

P609

旋转锉 – 椭圆形，槽型 – E

VA用单切削槽型类型，具有中等间距刃口，适用于圆形轮廓。坚固的硬质合金刀头与表面硬化刀柄。首选用于不锈钢。



HM | E | Bright

VA | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M1.1	M1.2	M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K4.1	K4.2
■	■	■	■	■	■	■	■	■	■	◪	◪

铜焊在钢柄上,DCON MS公差h7.

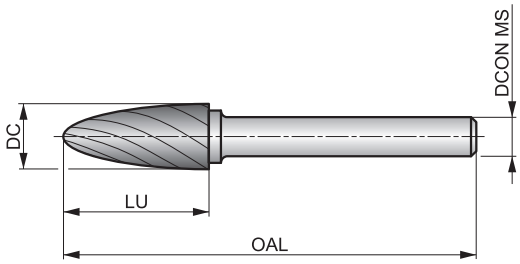
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P6098.0X6.0	8.00	6.00	15.00	60.0
P6099.6X6.0	9.60	6.00	16.00	60.0
P60912.7X6.0	12.70	6.00	22.00	67.0

P611

DORMER

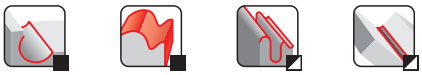
旋转锉 – 球头树状，槽型 – F

VA用单切削槽型类型，具有中等间距刃口，适用于多角度轮廓，边缘倒圆角和难以达到的区域。整体硬质合金设计，切削直径至6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于不锈钢。



HM | F | Bright

VA | DORMER



工件材料组的适用性。推荐的转速(RPM)在XY页上。

M1.1	M1.2	M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K4.1	K4.2
■	■	■	■	■	■	■	■	■	■	◪	◪

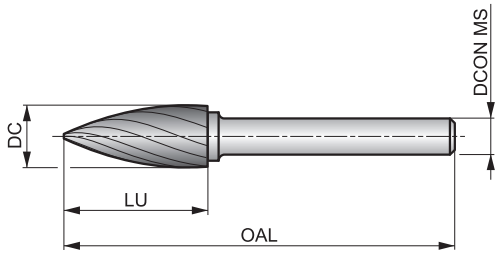
DC ≤ 6.00 mm: DCON MS公差h6, DC > 6.00 mm:铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P6113.0X3.0	3.00	3.00	14.00	38.0
P6116.3X3.0	6.30	3.00	12.70	45.0
P6116.0X6.0	6.00	6.00	18.00	50.0
P6118.0X6.0	8.00	6.00	20.00	65.0
P6119.6X6.0	9.60	6.00	19.00	64.0
P61112.7X6.0	12.70	6.00	25.00	70.0

P613

旋转锉 – 镶尖树状，槽型 – G

VA用单切削槽型类型，具有中等间距刃口，适用于多角度轮廓和在难以达到的窄角区域进行切削。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于不锈钢。



HM | G | Bright

VA | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M1.1	M1.2	M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K4.1	K4.2
■	■	■	■	■	■	■	■	■	■	◪	◪

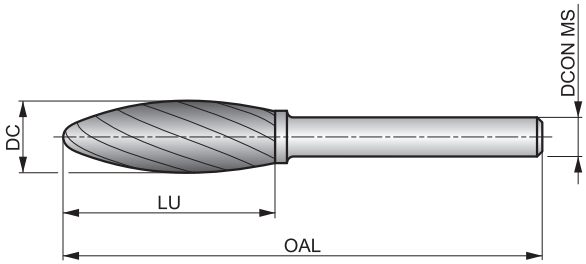
DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P6136.0X6.0	6.00	6.00	18.00	50.0
P6138.0X6.0	8.00	6.00	19.00	64.0
P6139.6X6.0	9.60	6.00	19.00	64.0
P61312.7X6.0	12.70	6.00	25.00	70.0

P615

旋转锉 – 发散形状，槽型 – H

VA用单切削槽型类型，具有中等间距刃口，适用于圆形轮廓和焊前准备。坚固的硬质合金刀头与表面硬化刀柄。首选用于不锈钢。



HM | H | Bright

VA | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M1.1	M1.2	M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K4.1	K4.2
■	■	■	■	■	■	■	■	■	■	◪	◪

铜焊在钢柄上,DCON MS公差h7.

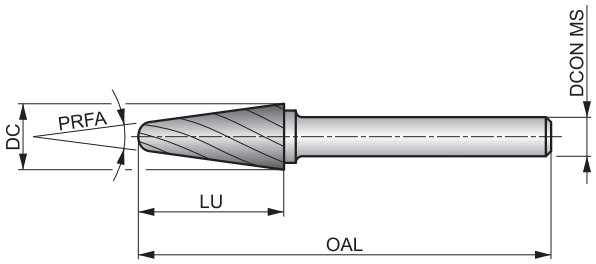
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P6158.0X6.0	8.00	6.00	19.00	64.0
P6159.6X6.0	9.60	6.00	19.00	65.0
P61512.7X6.0	12.70	6.00	32.00	77.0

P621

DORMER

旋转锉 – 球头锥形，槽型 – L

VA用单切削槽型类型，具有中等间距刃口，在狭窄的角落或其他难以达到的区域，用于扩孔，倒圆角和表面精加工。坚固的硬质合金刀头与表面硬化刀柄。首选用于不锈钢。



HM	L	Bright
VA	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M1.1	M1.2	M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K4.1	K4.2
■	■	■	■	■	■	■	■	■	■	◪	◪

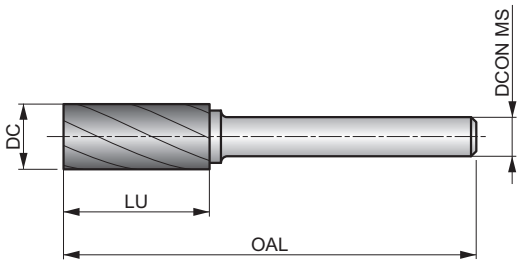
铜焊在钢柄上,DCON MS公差h7.
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)	PRFA (°)
P6218.0X6.0	8.00	6.00	25.40	70.0	14
P62110.0X6.0	10.00	6.00	20.00	65.0	14
P62112.7X6.0	12.70	6.00	32.00	77.0	14

P831

旋转锉 – 圆柱直柄无端切，槽型 – A

AL用单切削槽型类型，具有宽间距刃，适用于修整和表面去毛刺。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于有色金属材料和塑料。



HM | A | Bright

AL | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N4.1	N4.2	N4.3	S1.1
■	■	■	■	■	■	◪	◪	■	■	◪	◪

DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

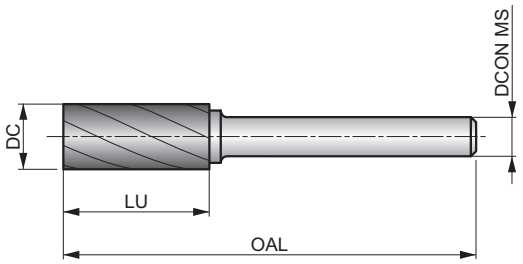
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8316.0X6.0	6.00	6.00	18.00	50.0
P8319.6X6.0	9.60	6.00	19.00	64.0
P83112.7X6.0	12.70	6.00	25.00	70.0

P833

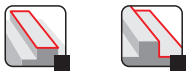
DORMER

旋转锉 – 圆柱直柄有端切，槽型 – B

AL用单切削槽型类型，具有宽间距刃，适用于修整和表面去毛刺和直角拐角。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于有色金属材料和塑料。



HM | B | Bright | AL | DORMER



工件材料组的适用性。推荐的转速(RPM)在XY页上。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N4.1	N4.2	N4.3	S1.1
■	■	■	■	■	■	◪	◪	■	■	◪	◪

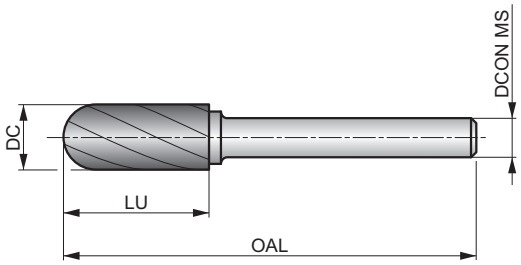
DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8336.0X6.0	6.00	6.00	18.00	50.0
P8339.6X6.0	9.60	6.00	19.00	64.0
P83312.7X6.0	12.70	6.00	25.00	70.0

P835

旋转锉 – 圆柱直柄球头形，槽型 – C

AL用单切削槽型类型，具有宽间距刃，适用于修整和轮廓和圆弧去毛刺。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于有色金属材料和塑料。



HM | C | Bright

AL | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N4.1	N4.2	N4.3	S1.1
■	■	■	■	■	■	◪	◪	■	■	◪	◪

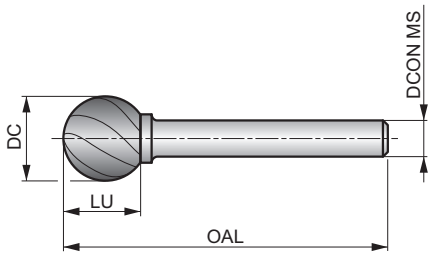
DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8356.0X6.0	6.00	6.00	18.00	50.0
P8359.6X6.0	9.60	6.00	19.00	64.0
P83512.7X6.0	12.70	6.00	25.00	70.0

P837

旋转锉 – 球头形，槽型 – D

AL用单切削槽型类型，具有宽间距刃，适用于复杂的雕刻，金属雕刻和焊前准备。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于有色金属材料和塑料。



工件材料组的适用性。推荐的转速(RPM)在XY页上。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N4.1	N4.2	N4.3	S1.1
■	■	■	■	■	■	◪	◪	■	■	◪	◪

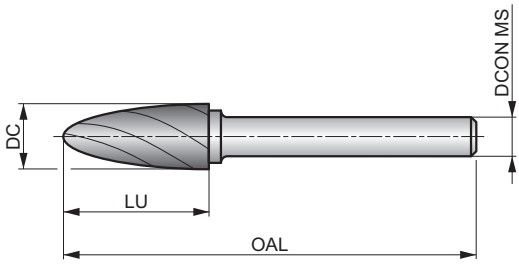
DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8376.0X6.0	6.00	6.00	4.70	50.0
P8379.6X6.0	9.60	6.00	8.00	54.0
P83712.7X6.0	12.70	6.00	11.00	56.0

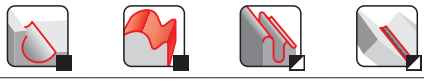
P841

旋转锉 – 球头树状，槽型 – F

AL用单切削槽型类型，具有宽间距刃，适用于多角度轮廓，边缘倒圆角和难以达到的区域。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于有色金属材料和塑料。



HM	F	Bright
AL	DORMER	



工件材料组的适用性。推荐的转速(RPM)在XY页上。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N4.1	N4.2	N4.3	S1.1
■	■	■	■	■	■	◪	◪	■	■	◪	◪

DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

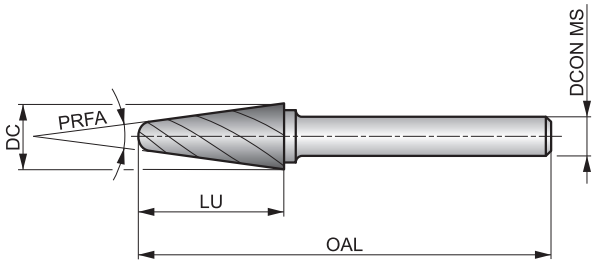
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8416.0X6.0	6.00	6.00	18.00	50.0
P8419.6X6.0	9.60	6.00	19.00	64.0
P84112.7X6.0	12.70	6.00	25.00	70.0

P842

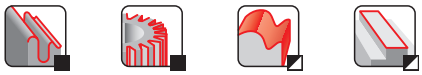
DORMER

旋转锉 – 球头锥形，槽型 – L

AL用单切削槽型类型-宽间距刃，在狭窄的角落或其他难以达到的区域，用于扩孔，倒圆角和表面精加工。硬质合金设计，切削直径等同于6 mm；6 mm以上坚固的硬质合金刀头和表面硬化刀柄。首选用于有色金属材料和塑料。



HM	L	Bright
AL	DORMER	



工件材料组的适用性。推荐的转速(RPM)在XY页上。

N1.1	N1.2	N1.3	N2.1	N2.2	N2.3	N3.1	N3.2	N4.1	N4.2	N4.3	S1.1
■	■	■	■	■	■	◪	◪	■	■	◪	◪

DC = 6.00 mm: DCON MS公差h6, DC > 6.00 mm: 铜焊在钢柄上, DCON MS公差h7.

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)	PRFA (°)
P8426.0X6.0	6.00	6.00	18.00	50.0	14
P8429.6X6.0	9.60	6.00	30.00	76.0	14
P84212.7X6.0	12.70	6.00	32.00	77.0	14

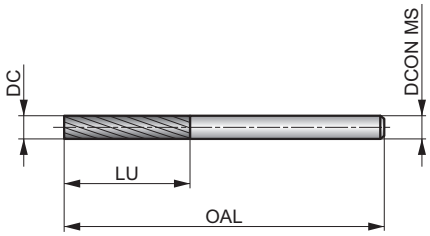
NEW

P501

DORMER

旋转锉 – 圆柱直柄无端切，槽型 – A

AS用单切削槽型类型，具有浅左手交叉刃，适用于修整和表面去毛刺。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM | A | Bright

AS | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

DCON MS公差h6
该系列产品有套装提供。请参阅P880

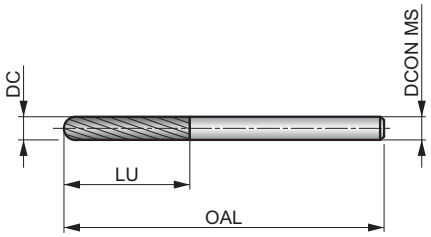
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P5013.0X3.0	3.00	3.00	12.00	38.0

NEW

P505

旋转锉 – 圆柱直柄球头形，槽型 – C

AS用单切削槽型类型，具有浅左手交叉刃，适用于修整和轮廓和圆弧去毛刺。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM | C | Bright

AS | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

DCON MS公差h6
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P5053.0X3.0	3.00	3.00	14.00	38.0

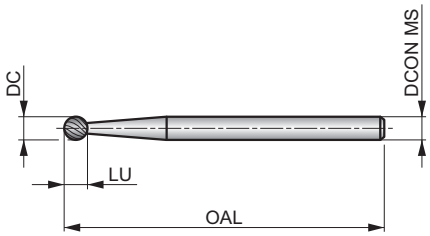
NEW

P507

DORMER

旋转锉 – 球头形，槽型 – D

AS用单切削槽型类型，具有浅左手交叉刃，适用于复杂的雕刻，金属雕刻和焊前准备。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM | D | Bright

AS | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

DCON MS公差h6
该系列产品有套装提供。请参阅P880

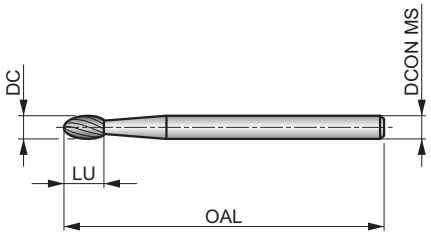
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P5073.0X3.0	3.00	3.00	2.50	38.0

NEW

P509

旋转锉 – 椭圆形，槽型 – E

AS用单切削槽型类型，具有浅左手交叉刃，适用于圆形轮廓。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM | E | Bright

AS | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

DCON MS公差h6
该系列产品有套装提供。请参阅P880

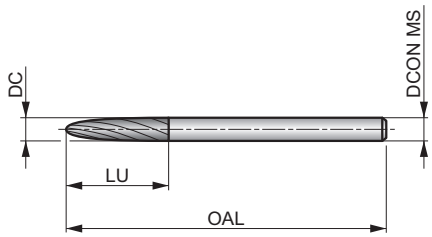
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P5093.0X3.0	3.00	3.00	6.00	38.0

NEW

P511

旋转锉 – 球头树状，槽型 – F

AS用单切削槽型类型，具有浅左手交叉刃，适用于多角度轮廓，边缘倒圆角和难以达到的区域。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM	F	Bright
AS	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

DCON MS公差h6
该系列产品有套装提供。请参阅P880

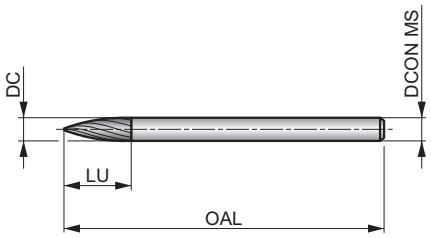
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P5113.0X3.0	3.00	3.00	14.00	38.0

NEW

P513

旋转锉 – 镶尖树状，槽型 – G

AS用单切削槽型类型，具有浅左手交叉刃，适用于多角度轮廓和在难以达到的窄角区域进行切削。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM	G	Bright
AS	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

DCON MS公差h6
该系列产品有套装提供。请参阅P880

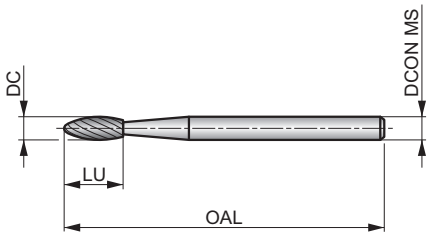
产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P5133.0X3.0X8.0	3.00	3.00	8.00	38.0
P5133.0X3.0X14.0	3.00	3.00	14.00	38.0

NEW

P515

旋转锉 – 发散形状，槽型 – H

AS用单切削槽型类型，具有浅左手交叉刃，适用于圆形轮廓和焊前准备。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM	H	Bright
AS	DORMER	

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

DCON MS公差h6
该系列产品有套装提供。请参阅P880

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P5153.0X3.0	3.00	3.00	6.00	38.0

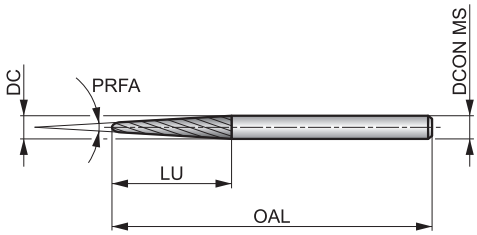
NEW

P521

DORMER

旋转锉 – 球头锥形，槽型 – L

AS用单切削槽型类型，具有浅左手交叉刃，在狭窄的角落或其他难以达到的区域，用于扩孔，倒圆角和表面精加工。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM | L | Bright

AS | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

DCON MS公差h6
该系列产品有套装提供。请参阅P880

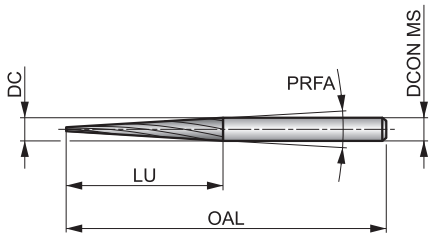
产品型号	DC	DCON MS	LU	OAL	PRFA
	(mm)	(mm)	(mm)	(mm)	(°)
P5213.0X3.0	3.00	3.00	14.00	38.0	8

NEW

P523

旋转锉 – 锥形，槽型 – M

AS用单切削槽型类型，具有浅左手交叉刃，用于扩孔，表面精加工和在难以达到的窄角区域进行切削。整体硬质合金刀柄，刚性好。首选用于高温合金。



HM | M | Bright

AS | DORMER

工件材料组的适用性。推荐的转速(RPM)在XY页上。

M3.1	M3.2	M3.3	M4.1	M4.2	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2	S4.1	S4.2
◪	◪	◪	◪	◪	■	■	■	■	■	■	■	■	■

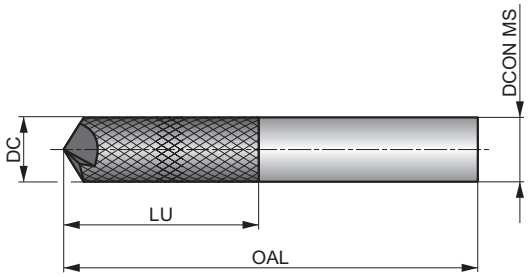
DCON MS公差h6
该系列产品有套装提供。请参阅P880

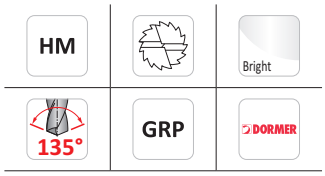
产品型号	DC	DCON MS	LU	OAL	PRFA
	(mm)	(mm)	(mm)	(mm)	(°)
P5233.0X3.0	3.00	3.00	15.00	38.0	7

P843

切割钻石及复合材料 – 135° 钻尖

GRP钻石切割刃类型，具有中等间距刃口，用于轮廓加工，切割形状和孔。整体硬质合金刀柄，刚性好。首选用于玻璃纤维和复合材料。





工件材料组的适用性。推荐的转速(RPM)在XY页上。

N4.3

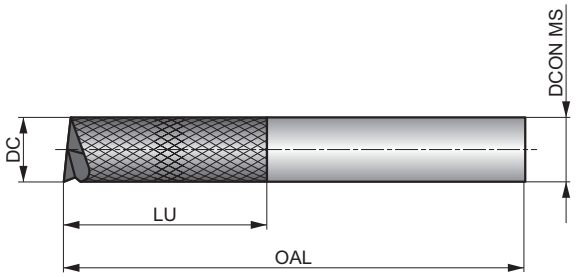
DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8433.0X3.0	3.00	3.00	13.00	45.0
P8436.0X6.0	6.00	6.00	19.00	63.0
P8438.0X8.0	8.00	8.00	25.00	63.0

P844

切割钻石及复合材料 – 立铣刀

GRP钻石切割刃类型，具有中等间距刃口，用于轮廓加工，开槽和容器铣削和切割形状。整体硬质合金刀柄，刚性好。首选用于玻璃纤维和复合材料。



HM | Bright | 180° | GRP

工件材料组的适用性。推荐的转速(RPM)在XY页上。

N4.3

DCON MS公差h6

产品型号	DC (mm)	DCON MS (mm)	LU (mm)	OAL (mm)
P8443.0X3.0	3.00	3.00	13.00	45.0
P8446.0X6.0	6.00	6.00	19.00	63.0
P8448.0X8.0	8.00	8.00	25.00	63.0

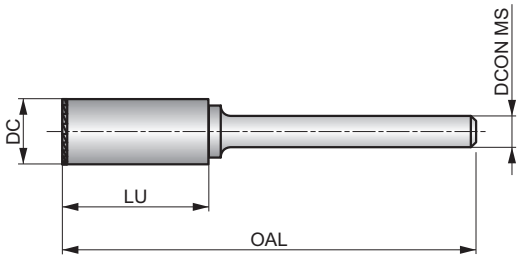
NEW

P100

DORMER

第1级旋转锉，用于取出断裂螺栓，圆柱直柄带端切

第一阶段，取出破损螺栓的整体硬质合金旋转锉。当螺栓破损并需要取出时，请先使用P100锪平螺栓破损的表面。其次使用P101,这一系列的旋转锉可确保在取出折断的螺栓时不会损坏螺纹孔。



HM | Bright | BR | DORMER

工件材料组的适用性。推荐操作速度(RPM)在229页和“如何使用工具”在216页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.2	M2.3	M3.1	M3.2	M3.3
■	■	■	■	■

产品型号	DC	DCON MS	LU	OAL	
	(mm)	(mm)	(mm)	(mm)	
P1004.9	4.90	6.00	20.00	50.0	1/4-20; 24; 28; M6
P1006.4	6.40	6.00	5.00	50.0	5/16-18; 24; 32; M8
P1007.8	7.80	6.00	19.00	65.0	3/8-16; 24; M10
P1009.3	9.30	6.00	19.00	65.0	7/16-14; 20; M12
P10010.7	10.70	6.00	25.00	70.0	1/2-13; 20; M14

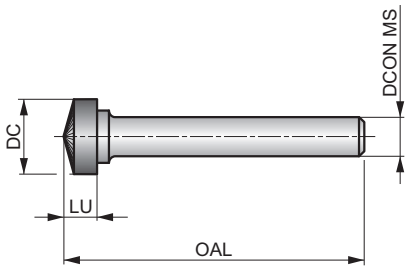
NEW

P101

DORMER

第2级旋转锉，用于取出断裂螺栓，150°沉孔

第二阶段螺栓取出器，整体硬质合金选择锉。当螺栓损坏并需要取出时，P101在扁平的螺栓表面上创建一个中心定位点。为第三阶段做准备，使用钻头钻孔。



HM	Bright	150°
BR	DORMER	

工件材料组的适用性。推荐操作速度(RPM)在229页和“如何使用工具”在216页上。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	M1.1	M1.2	M2.1
■	■	■	■	■	■	■	■	■	■	■	■	■	■

M2.2	M2.3	M3.1	M3.2	M3.3
■	■	■	■	■

产品型号	DC	DCON MS	LU	OAL	
	(mm)	(mm)	(mm)	(mm)	
P1014.9	4.90	6.00	20.00	50.0	1/4-20; 24; 28; M6
P1016.4	6.40	6.00	5.00	50.0	5/16-18; 24; 32; M8
P1017.8	7.80	6.00	5.00	50.0	3/8-16; 24; M10
P1019.3	9.30	6.00	5.00	50.0	7/16-14; 20; M12
P10110.7	10.70	6.00	5.00	50.0	1/2-13; 20; M14

NEW

P880

DORMER

旋转锉套装

多种形状，大小和样式，不同的旋转锉的套装。

A = 套件中的型号, B = 套件中的数量, C = 套件中的旋转锉

产品型号	Nr.	A	B	C
P88001	Nr01	P803 + P805 + P807 + P809 + P813	5	P803 9.6 × 6.0; P805 9.6 × 6.0; P807 9.6 × 6.0; P809 9.6 × 6.0; P813 9.6 × 6.0
P88002	Nr02	P803C + P805C + P807C + P811C + P813C	5	P803C 9.6 × 6.0; P805C 9.6 × 6.0; P807C 9.6 × 6.0; P811C 9.6 × 6.0; P813C 9.6 × 6.0
P88003	Nr03	P601 + P605 + P607 + P611 + P621	5	P601 9.6 × 6.0; P605 9.6 × 6.0; P607 9.6 × 6.0; P611 9.6 × 6.0; P621 10.0 × 6.0
P88004	Nr04	P703 + P705 + P707 + P711 + P721	5	P703 9.6 × 6.0; P705 9.6 × 6.0; P707 9.6 × 6.0; P711 9.6 × 6.0; P721 10.0 × 6.0
P88006	Nr06	P501 + P505 + P507 + P509 + P511 + P513 + P515 + P521 + P523	10	P501 3.0 × 3.0; P505 3.0 × 3.0; P507 3.0 × 3.0; P509 3.0 × 3.0; P511 3.0 × 3.0; P513 3.0 × 3.0 × 8.0; P513 3.0 × 3.0 × 14.0; P515 3.0 × 3.0; P521 3.0 × 3.0; P523 3.0 × 3.0

P890

旋转锉展示

展示的P8xx系列有40个硬质合金旋转锉。DC双刃槽类型，具有紧密间距刃。光亮表面。

A = 套件中的型号, B = 套件中的数量, C = 套件中的旋转锉

产品型号	Nr.	A	B	C
P89001	Nr01	P803 + P805 + P811 + P813 + P821	40	P803 (6.0 × 6.0; 8.0 × 6.0; 9.6 × 6.0; 12.7 × 6.0) × 2 P805 (6.0 × 6.0; 8.0 × 6.0; 9.6 × 6.0; 12.7 × 6.0) × 2 P811 (6.0 × 6.0; 8.0 × 6.0; 9.6 × 6.0; 12.7 × 6.0) × 2 P813 (6.0 × 6.0; 8.0 × 6.0; 9.6 × 6.0; 12.7 × 6.0) × 2 P821 (6.0 × 6.0; 8.0 × 6.0; 9.6 × 6.0; 12.7 × 6.0) × 2

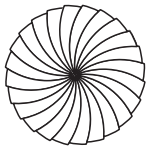
旋转锉 – 通用提示

硬质合金旋转锉

硬质合金旋转锉的一般提示硬质合金旋转锉广泛用于各种材料零件的准备和精加工。 通常为手用 , 且安装于气动刻磨机中 。

功能与优点

1. 坚韧的淬硬钢刀柄提高了刚度并降低了弯曲或振动的风险
2. 精准打磨的刀柄改进了抓握 , 并降低了旋转的可能性
3. 特制钎焊元件可防止高温故障 , 同时提高了承受压力和撞击的能力
4. 通用的双面开口槽型适合各种材料和应用
5. 特定于材料的槽型也适合钢 (ST) 、不锈钢 (VA) 、铝 (AL) 和玻璃纤维 (GRP)
6. 涂有TiAlN涂层 , 延长了加工研磨材料时的刀具寿命
7. 球头旋转锉打磨成“跳式”槽型
8. 此槽型有助于使切削力朝向旋转锉中心 , 从而改进切削作用并降低切屑堆积和堵塞的可能性

跳式	普通
	

安全第一

1. 高速旋转刀具若使用不当 , 会造成危险
2. 务必先断开刻磨机与气源的连接 , 方可更换旋转锉
3. 检查刻磨机的状况 , 如有可能 , 使用振动小的刻磨机
4. 务必使用适当的防护设备 , 并确保附近工作的任何人也得到保

必须始终穿戴个人防护设备!

建议：

- 务必使用恰当转速的刻磨机；
- 刻磨机的日常维护很重要，确保润滑且轴承没有磨损；
- 更换旋转锉时，务必清洁刻磨机的夹紧螺母、夹头和内锥面；
- 尽量避免旋转锉遭受机械冲击和重物的撞击；
- 确保旋转锉不至于过热，以尽量避免热损坏；
- 不要将旋转锉进行大切深加工，或将旋转锉卡入拐角或沟槽中。

旋转锉使用期间的故障排除

问题	原因
旋转锉的刀齿剥落	过低转速运行，会引起跳动；
	偏心导致（心轴、夹头或轴承磨损）；
	旋转锉突然插入和卡在工件中；
旋转锉的刀齿堵塞	槽或总长过长；
	选择的槽型不适合工件材料；
非正常磨损	转速对于旋转锉和工件材料过高；
	偏心导致（心轴、夹头或轴承磨损）；
刀头与刀柄分离	过高转速运行，导致过热；
	长时间运行，导致过热；

DORMER PRAMET

包含各种材料

我们的Calculator机加工计算器应用涵盖所有材料，例如钢、不锈钢、铸铁、高温合金或有色金属等等。现在就去应用商店下载吧！

简单可靠。

螺纹铣刀

6		WMG & ISO 13399
10	立铣刀	说明
19	立铣刀	HM铣刀
117	立铣刀	HSS-E-PM、HSS-E、HSS铣刀
201	立铣刀	技术信息
212		旋转锉
292		**螺纹铣刀**
314	可转位铣刀	说明
328	可转位铣刀	导航工具
349	可转位铣刀	面铣刀
409	可转位铣刀	方肩铣刀
479	可转位铣刀	玉米铣刀
508	可转位铣刀	槽铣刀
521	可转位铣刀	仿形铣刀
613	可转位铣刀	快进给铣刀(HFC)
645	可转位铣刀	倒角和T形槽铣刀
667	可转位铣刀	其它刀片
691	可转位铣刀	技术信息

1

J205

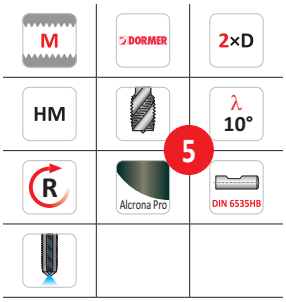
DORMER

2

整硬合金螺纹铣刀 ，内冷和沉孔, 公制

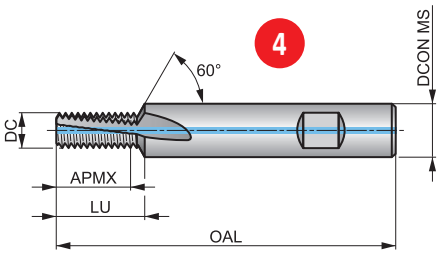
通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。带有60°沉头孔，可进行倒角。 Alcrona Pro涂层可通过内冷获得最佳加工效果，从而更好地排屑。

3



5

4



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■ 172 B	■ 193 B	■ 200 B	■ 148 B	■ 130 B	■ 115 B	■ 133 B	■ 107 B	■ 90 B	■ 79 B	■ 67 B	◪ 55 B	■ 62 B	■ 52 B
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■ 55 B	■ 45 B	■ 38 B	■ 47 A	■ 40 A	■ 36 A	■ 30 A	◪ 26 A	■ 130 B	■ 96 B	■ 72 B	■ 123 B	■ 100 B	■ 80 B
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■ 109 B	■ 83 B	■ 67 B	■ 101 A	■ 76 A	■ 56 A	■ 48 A	◪ 40 A	■ 114 B	■ 86 B	■ 66 B	■ 400 C	■ 300 C	■ 200 C
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	N4.3	S1.1	S1.2	S1.3	S2.1	S2.2
■ 262 C	■ 235 C	■ 170 C	■ 610 C	■ 360 C	■ 180 C	■ 290 C	■ 145 C	■ 65 C	■ 40 A	■ 40 A	◪ 30 A	■ 33 A	◪ 25 A
S3.1	S3.2	S4.1	S4.2	H1.1									
■ 25 A	◪ 21 A	■ 20 A	◪ 16 A	◪ 60 A									

6

内螺纹

产品型号	TDZ	TP (mm)	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF	LU (mm)
J2056.5X1.25	M8	1.25	6.50	17.50	72.0	10.00	3	19.10
J20[7]1.50	M10	1.50	8.20	21.00	83.0	12.00	3	22.80
J20[7]1.75	M12	1.75	9.90	26.25	83.0	14.00	4	28.20
J20511.6X2.0	M14	2.00	11.60	30.00	92.0	16.00	4	32.20

7

8

所示为带有螺纹铣刀的典型页面 – 具体页面详情可能有所不同。

螺纹铣刀 – 页面概览

图号	描述
1	螺纹铣刀名称
2	产品描述
3	图示照片
4	刀具示意图

图号	描述
5	产品特点
6	推荐的材料组，包括线速度 和进给指导
7	产品代码
8	产品尺寸

螺纹攻丝 – 图标概览

通用图标

■	主要使用
◩	可以使用

螺纹形式类型（THFT）

G	英制管螺纹	MF	公制细牙螺纹	UNC	美制粗牙螺纹
M	公制粗牙螺纹	NPT	美制标准管螺纹	UNF	美制细牙螺纹

基本标准组（BSG）

DORMER	多马标准

可用长度（ULDR）

1.5×D	有效的加工深度是1.5倍的刀具直径	2×D	有效的加工深度是2倍的刀具直径

材料代码（BMC）

HM	硬质合金（整硬合金）

槽型（FDC）

	螺旋槽

容屑槽螺旋角（FHA）

λ 10°	10° 螺旋角（槽）	λ 27°	27° 螺旋角（槽）

切削方向

R	右旋 / 切削

涂层

Alcrona Pro	铝铬氮化物（特殊优化过程）

刀柄

DIN 6535HA	DIN 6535 HA圆柱刀柄	DIN 6535HB	DIN 6535 HB侧固刀柄

冷却剂排出方式（CXSC）

	贯穿刀具冷却孔 – 轴向排出

螺纹铣刀 – 刀具材料和表面涂层导航工具

HM材料		
硬质合金材料 （或硬质材料）	HM	烧结粉末冶金基板，由金属硬质合金复合材料和粘结金属组成。最核心的原材料是碳化钨（WC）。碳化钨有助于提高材料硬度。碳化钽（TaC）、碳化钛（TiC）和碳化铌（NbC）是碳化钨的补充材料，可以根据需要调整碳化钨的性能。这三种材料被称为立方碳化物。钴（Co）起到粘结剂的作用，将材料粘结在一起。 硬质合金材料的特点是抗压强度高、硬度高，因此具有出色的耐磨性，但其抗弯强度和韧度有限。硬质合金用于丝锥、铰刀、铣刀、钻头和螺纹铣刀。

表面涂层		
Alcrona涂层 （Alcrona Pro）	Alcrona Pro	Alcrona（AlCrN）系列涂层是铝铬氮化物涂层，主要用于铣刀。这些涂层的两个独特特性是高热硬度和高抗氧化性。当用于涉及重型机械和热应力的加工应用刀具时，这些特性则转化为出色的耐磨性。这些涂层有多种级别或特定版本，适用于各种刀具和应用。

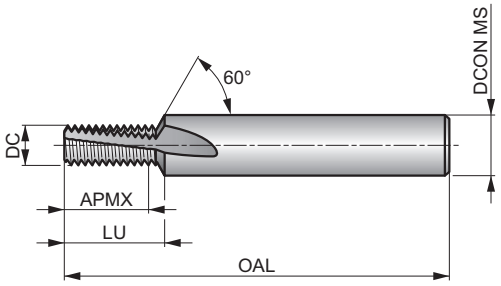
螺纹形式(THFT)	M	M	M	M	MF	MF	UNC	UNF	G	NPT	
基本标准组(BSG)	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	DORMER	
可用长度 (ULDR)	2×D	2×D	2×D	2×D	1.5×D	1.5×D	2×D	2×D	1.5×D		
材料代码(BMC)	HM	HM	HM	HM	HM	HM	HM	HM	HM	HM	
槽型(FDC)											
容屑槽螺旋角(FHA)	λ 10°	λ 10°	λ 27°	λ 27°	λ 10°	λ 10°	λ 10°	λ 10°	λ 10°	λ 10°	
切削方向	R	R	R	R	R	R	R	R	R	R	
涂层	Alcrona Pro	Alcrona Pro	Alcrona Pro	Alcrona Pro	Alcrona Pro	Alcrona Pro	Alcrona Pro	Alcrona Pro	Alcrona Pro	Alcrona Pro	
柄部	DIN 6535HA	DIN 6535HB	DIN 6535HA	DIN 6535HA	DIN 6535HA	DIN 6535HB	DIN 6535HB	DIN 6535HB	DIN 6535HA	DIN 6535HB	
冷却液出口型式 (CXSC)											
产品系列代码	J200	J205	J210	J215	J220	J225	J235	J245	J280	J260	
	M4 – M16	M8 – M16	M6 – M16	M6 – M16	M6 – M24	M10 – M18	1/4 – 3/4	1/4 – 3/4	1/8 – 3''	1/8 – 2''	
	299	300	301	302	303	304	305	306	307	308	
P	P1	■	■	■	■	■	■	■	■	■	■
	P2	■	■	■	■	■	■	■	■	■	■
	P3	■	■	■	■	■	■	■	■	■	■
	P4	■	■	■	■	■	■	■	■	■	■
M	M1	■	■	■	■	■	■	■	■	■	■
	M2	■	■	■	■	■	■	■	■	■	■
	M3	■	■	■	■	■	■	■	■	■	■
	M4	◩	◩	■	■	◩	◩	■	■	■	■
K	K1	■	■	■	■	■	■	■	■	■	■
	K2	■	■	■	■	■	■	■	■	■	■
	K3	■	■	■	■	■	■	■	■	■	■
	K4	■	■	■	■	■	■	■	■	■	■
	K5	■	■	■	■	■	■	■	■	■	■
N	N1	■	■	■	■	■	■	■	■	■	■
	N2	■	■	■	■	■	■	■	■	■	■
	N3	■	■	■	■	■	■	■	■	■	■
	N4	■	■	■	■	■	■	■	■	■	■
	N5										
S	S1	◩	■	◩	■	◩	■	■	■	■	■
	S2	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩
	S3	◩	◩	◩	◩	◩	◩	◩	◩	◩	◩
	S4	◩	◩	◩	◩	◩	■	◩	◩	◩	◩
H	H1	◩	◩	■	■	■	■	■	■	■	■
	H2										
	H3			◩	◩	◩	◩	◩	◩	◩	◩
	H4										

■推荐使用　◩可以使用

J200

整硬合金螺纹铣刀，沉孔, 公制

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。左侧或右侧，通孔或盲孔，几乎直达底部。。带有60°沉头孔，可在单个加工循环中进行倒角。 Alcrona Pro涂层可在多种材料中实现最佳加工效果。



M | DORMER | 2×D

HM | | λ 10°

R | Alcrona Pro | DIN 6535HA

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■ 172 B	■ 193 B	■ 200 B	■ 148 B	■ 130 B	■ 115 B	■ 133 B	■ 107 B	■ 90 B	■ 79 B	■ 67 B	◪ 55 B	■ 62 B	■ 52 B
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■ 55 B	■ 45 B	◪ 38 B	■ 47 A	■ 40 A	◪ 36 A	■ 30 A	◪ 26 A	■ 130 B	■ 96 B	■ 72 B	■ 123 B	■ 100 B	■ 80 B
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**
■ 109 B	■ 83 B	■ 67 B	■ 101 A	■ 76 A	■ 56 A	■ 48 A	◪ 40 A	■ 114 B	■ 86 B	■ 66 B	■ 400 C	■ 300 C	■ 200 C
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**
■ 262 C	■ 235 C	■ 170 C	■ 610 C	■ 360 C	■ 180 C	■ 290 C	■ 145 C	■ 65 C	■ 40 A	◪ 40 A	◪ 30 A	◪ 33 A	◪ 25 A
S3.1	**S3.2**	**S4.1**	**S4.2**	**H1.1**									
◪ 25 A	◪ 21 A	◪ 20 A	◪ 16 A	◪ 60 A									

内螺纹

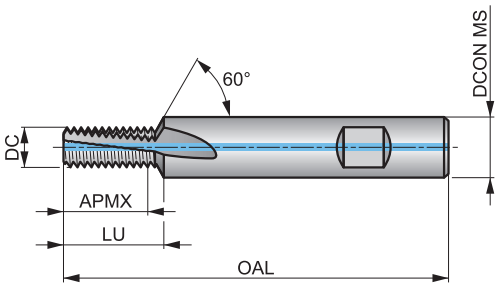
产品型号	TDZ	TP (mm)	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF	LU (mm)
J2003.2X.7	M4	0.70	3.20	8.40	57.0	6.00	3	9.50
J2004.1X.8	M5	0.80	4.10	11.20	57.0	6.00	3	12.10
J2004.8X1.0	M6	1.00	4.80	13.00	63.0	8.00	3	14.40
J2006.5X1.25	M8	1.25	6.50	17.50	72.0	10.00	3	19.10
J2008.2X1.5	M10	1.50	8.20	21.00	83.0	12.00	3	22.80
J2009.9X1.75	M12	1.75	9.90	26.25	83.0	14.00	4	28.20
J20011.6X2.0	M14	2.00	11.60	30.00	92.0	16.00	4	32.20
J20013.6X2.0	M16	2.00	13.60	34.00	92.0	18.00	4	36.20

J205

DORMER

整硬合金螺纹铣刀 ，内冷和沉孔, 公制

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。带有60°沉头孔，可进行倒角。 Alcrona Pro涂层可通过内冷获得最佳加工效果，从而更好地排屑。



M	DORMER	2×D
HM		λ 10°
R	Alcrona Pro	DIN 6535HB

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■172 B	■193 B	■200 B	■148 B	■130 B	■115 B	■133 B	■107 B	■90 B	■79 B	■67 B	◪55 B	■62 B	■52 B
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■55 B	■45 B	■38 B	■47 A	■40 A	■36 A	■30 A	◪26 A	■130 B	■96 B	■72 B	■123 B	■100 B	■80 B
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**
■109 B	■83 B	■67 B	■101 A	■76 A	■56 A	■48 A	◪40 A	■114 B	■86 B	■66 B	■400 C	■300 C	■200 C
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**
■262 C	■235 C	■170 C	■610 C	■360 C	■180 C	■290 C	■145 C	■65 C	■40 A	■40 A	◪30 A	■33 A	◪25 A
S3.1	**S3.2**	**S4.1**	**S4.2**	**H1.1**									
■25 A	◪21 A	■20 A	◪16 A	◪60 A									

内螺纹

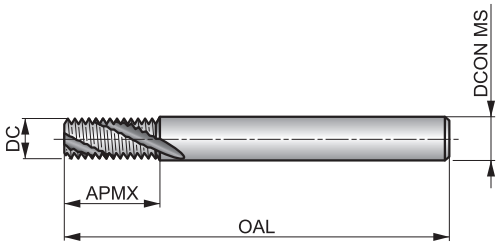
产品型号	TDZ	TP (mm)	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF	LU (mm)
J2056.5X1.25	M8	1.25	6.50	17.50	72.0	10.00	3	19.10
J2058.2X1.50	M10	1.50	8.20	21.00	83.0	12.00	3	22.80
J2059.9X1.75	M12	1.75	9.90	26.25	83.0	14.00	4	28.20
J20511.6X2.0	M14	2.00	11.60	30.00	92.0	16.00	4	32.20
J20513.6X2.0	M16	2.00	13.60	34.00	92.0	18.00	4	36.20

J210

DORMER

整硬合金螺纹铣刀，大螺旋角, 公制

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。27°螺旋角，Alcrona Pro涂层，可在各种材料和实现最佳加工效果，从而实现更顺畅的切割效果。



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■181 B	■203 B	■210 B	■156 B	■137 B	■121 B	■140 B	■112 B	■95 B	■83 B	■70 B	◪58 B	■65 B	■55 B
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■58 B	■47 B	◪40 B	■50 A	■42 A	◪38 A	■32 A	◪27 A	■137 B	■101 B	■76 B	■129 B	■105 B	■84 B
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■115 B	■87 B	■71 B	■106 A	■80 A	■59 A	■51 A	◪42 A	■120 B	■90 B	■70 B	■420 C	■315 C	■210 C
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	N4.3	S1.1	S1.2	S1.3	S2.1	S2.2
■275 C	■247 C	■179 C	■640 C	■378 C	■189 C	■305 C	■153 C	■69 C	■42 A	◪42 A	◪32 A	◪35 A	◪26 A
S3.1	S3.2	S4.1	S4.2	H1.1	H3.1								
◪26 A	◪22 A	◪21 A	◪17 A	■63 A	◪45 A								

内螺纹

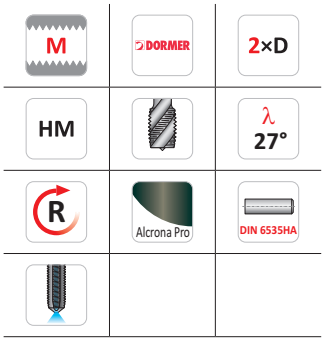
产品型号	TDZ	TP (mm)	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF
J2104.5X1.0	M6	1.00	4.50	13.00	57.0	6.00	3
J2106.0X1.25	M8	1.25	6.00	17.50	65.0	6.00	3
J2107.5X1.5	M10	1.50	7.50	21.00	72.0	8.00	3
J2109.5X1.75	M12	1.75	9.50	26.25	80.0	10.00	3
J21010.0X2.0	M14	2.00	10.00	30.00	83.0	10.00	4
J21012.0X2.0	M16	2.00	12.00	34.00	92.0	12.00	4

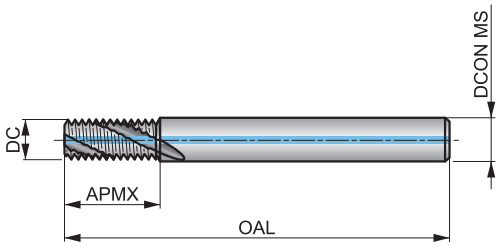
J215

DORMER

整硬合金螺纹铣刀，大螺旋角，内冷, 公制

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。 Alcrona Pro涂层可实现最佳加工效果。其内冷设计可更好地排屑，而27°螺旋升角则可实现更平滑的切削动作。





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■181 B	■203 B	■210 B	■156 B	■137 B	■121 B	■140 B	■112 B	■95 B	■83 B	■70 B	■58 B	■65 B	■55 B
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■58 B	■47 B	■40 B	■50 A	■42 A	■38 A	■32 A	◪27 A	■137 B	■101 B	■76 B	■129 B	■105 B	■84 B
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**
■115 B	■87 B	■71 B	■106 A	■80 A	■59 A	■51 A	■42 A	■120 B	■90 B	■70 B	■420 C	■315 C	■210 C
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**
■275 C	■247 C	■179 C	■640 C	■378 C	■189 C	■305 C	■153 C	■69 C	■42 A	■42 A	◪32 A	■35 A	◪26 A
S3.1	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H3.1**								
■26 A	◪22 A	■21 A	◪17 A	■63 A	◪45 A								

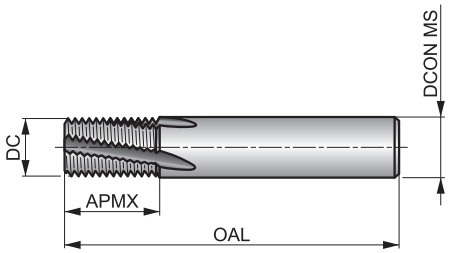
内螺纹

产品型号	TDZ	TP (mm)	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF
J2154.5X1.0	M6	1.00	4.50	13.00	57.0	6.00	3
J2156.0X1.25	M8	1.25	6.00	17.50	65.0	6.00	3
J2157.5X1.5	M10	1.50	7.50	21.00	72.0	8.00	3
J2159.5X1.75	M12	1.75	9.50	26.25	80.0	10.00	3
J21510.0X2.0	M14	2.00	10.00	30.00	83.0	10.00	4
J21512.0X2.0	M16	2.00	12.00	34.00	92.0	12.00	4

J220

整硬合金螺纹铣刀,公制细牙

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。 Alcrona Pro涂层可在多种材料中实现最佳加工效果。



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■190 E	■212 E	■242 E	■163 E	■143 E	■127 E	■146 E	■118 E	■99 E	■87 E	■74 E	■61 E	■69 E	■58 E
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■61 E	■50 E	◪42 E	■52 D	■44 D	◪40 D	■33 D	◪29 D	■143 E	■106 E	■80 E	■136 E	■110 E	■88 E
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**
■120 E	■91 E	■74 E	■111 D	■84 D	■62 D	■53 D	◪44 D	■126 E	■95 E	■73 E	■440 F	■330 F	■220 F
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**
■288 F	■259 F	■187 F	■671 F	■396 F	■198 F	■319 F	■160 F	■72 F	■44 D	◪44 D	◪33 D	◪36 D	◪28 D
S3.1	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H3.1**								
◪28 D	◪23 D	◪22 D	◪18 D	■66 D	◪48 D								

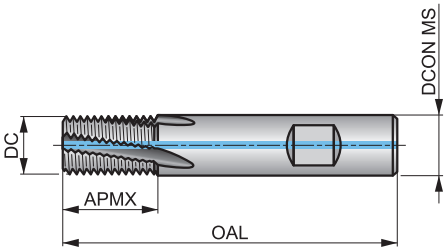
内螺纹

产品型号	TDZ	TP (mm)	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF
J2204.8X.5	M6	0.50	4.80	10.00	57.0	6.00	3
J2206.0X.75	M8	0.75	6.00	12.00	57.0	6.00	3
J2206.0X1.0	M8	1.00	6.00	12.00	57.0	6.00	3
J2208.0X1.0	M10	1.00	8.00	16.00	63.0	8.00	4
J22010.0X1.0	M12	1.00	10.00	20.00	72.0	10.00	4
J22010.0X1.5	M12	1.50	10.00	20.00	72.0	10.00	4
J22012.0X1.0	M14	1.00	12.00	22.00	83.0	12.00	4
J22012.0X1.5	M14	1.50	12.00	22.00	83.0	12.00	4
J22014.0X1.0	M16	1.00	14.00	26.00	83.0	14.00	5
J22014.0X1.5	M16	1.50	14.00	26.00	83.0	14.00	5
J22016.0X2.0	M20	2.00	16.00	30.00	92.0	16.00	5
J22016.0X2.5	M20	2.50	16.00	42.50	105.0	16.00	5
J22019.0X3.0	M24	3.00	19.00	50.00	125.0	20.00	5
J22020.0X2.0	M24	2.00	20.00	35.00	104.0	20.00	5

J225

整硬合金螺纹铣刀，内冷 ,公制细牙

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。 Alcrona Pro涂层可通过内冷获得最佳加工效果，从而更好地排屑。



MF	DORMER	1.5×D
HM		λ 10°
R	Alcrona Pro	DIN 6535HB

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■190 E	■212 E	■242 E	■163 E	■143 E	■127 E	■146 E	■118 E	■99 E	■87 E	■74 E	■61 E	■69 E	■58 E
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■61 E	■50 E	■42 E	■52 D	■44 D	■40 D	■33 D	◪29 D	■143 E	■106 E	■80 E	■136 E	■110 E	■88 E
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**
■120 E	■91 E	■74 E	■111 D	■84 D	■62 D	■53 D	■44 D	■126 E	■95 E	■73 E	■440 F	■330 F	■220 F
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**
■288 F	■259 F	■187 F	■671 F	■396 F	■198 F	■319 F	■160 F	■72 F	■44 D	■44 D	◪33 D	■36 D	◪28 D
S3.1	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H3.1**								
■28 D	◪23 D	■22 D	◪18 D	■66 D	◪48 D								

内螺纹

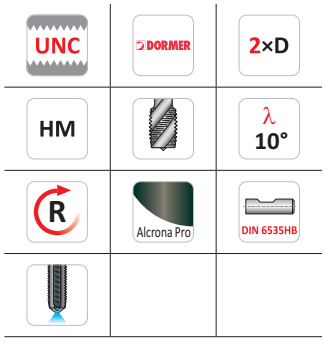
产品型号	TDZ	TP (mm)	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF
J2258.0X1.0	M10	1.00	8.00	16.00	63.0	8.00	4
J22510.0X1.0	M12	1.00	10.00	20.00	72.0	10.00	4
J22510.0X1.5	M12	1.50	10.00	20.00	72.0	10.00	4
J22512.0X1.0	M14	1.00	12.00	22.00	83.0	12.00	4
J22512.0X1.5	M14	1.50	12.00	22.00	83.0	12.00	4
J22514.0X1.0	M16	1.00	14.00	26.00	83.0	14.00	5
J22514.0X1.5	M16	1.50	14.00	26.00	83.0	14.00	5
J22516.0X1.5	M18	1.50	16.00	30.00	92.0	16.00	5

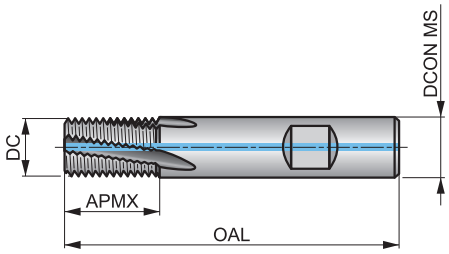
J235

DORMER

整硬合金螺纹铣刀，内冷，UNC

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。 Alcrona Pro涂层可通过内冷获得最佳加工效果，从而更好地排屑。





工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■181 H	■203 H	■210 H	■156 H	■137 H	■121 H	■140 H	■112 H	■95 H	■83 H	■70 H	■58 H	■65 H	■55 H
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■58 H	■47 H	■40 H	■50 G	■42 G	■38 G	■32 G	◪27 G	■137 H	■101 H	■76 H	■129 H	■105 H	■84 H
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■115 H	■87 H	■71 H	■106 G	■80 G	■59 G	■51 G	■42 G	■120 H	■90 H	■70 H	■420 I	■315 I	■210 I
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	N4.3	S1.1	S1.2	S1.3	S2.1	S2.2
■275 I	■247 I	■179 I	■640 I	■378 I	■189 I	■305 I	■153 I	■69 I	■42 G	■42 G	◪32 G	■35 G	◪26 G
S3.1	S3.2	S4.1	S4.2	H1.1	H3.1								
■26 G	◪22 G	■21 G	◪17 G	■63 G	◪45 G								

内螺纹

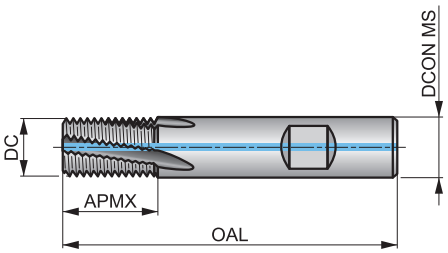
产品型号	TDZ	TPI	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF
J2354.8-20	1/4	20	4.80	14.00	57.0	6.00	3
J2355.5-18	5/16	18	5.50	14.00	57.0	6.00	3
J2357.5-16	3/8	16	7.50	19.00	63.0	8.00	4
J2358.0-14	7/16	14	8.00	19.00	63.0	8.00	4
J23510.0-13	1/2	13	10.00	22.00	72.0	10.00	4
J23510.0-12	9/16	12	10.00	22.00	72.0	10.00	4
J23512.0-11	5/8	11	12.00	26.00	83.0	12.00	4
J23514.0-10	3/4	10	14.00	32.00	83.0	14.00	5

J245

DORMER

整硬合金螺纹铣刀，内冷，UNF

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。 Alcrona Pro涂层可通过内冷获得最佳加工效果，从而更好地排屑。



UNF | DORMER | 2×D

HM | | λ 10°

R | Alcrona Pro | DIN 6535HB

工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■181 K	■203 K	■210 K	■156 K	■137 K	■121 K	■140 K	■112 K	■95 K	■83 K	■70 K	■58 K	■65 K	■55 K
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■58 K	■47 K	■40 K	■50 J	■42 J	■38 J	■32 J	◪27 J	■137 K	■101 K	■76 K	■129 K	■105 K	■84 K
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**
■115 K	■87 K	■71 K	■106 J	■80 J	■59 J	■51 J	■42 J	■120 K	■90 K	■70 K	■420 L	■315 L	■210 L
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**
■275 L	■247 L	■179 L	■640 L	■378 L	■189 L	■305 L	■153 L	■69 L	■42 J	■42 J	◪32 J	■35 J	◪26 J
S3.1	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H3.1**								
■26 J	◪22 J	■21 J	◪17 J	■63 J	◪45 J								

内螺纹

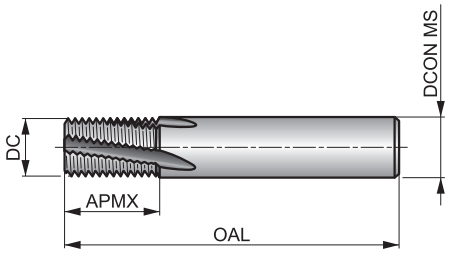
产品型号	TDZ	TPI	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF
J2454.8-28	1/4	28	4.80	14.00	57.0	6.00	3
J2456.0-24	5/16, 3/8	24	6.00	14.00	57.0	6.00	3
J2458.0-20	7/16, 1/2	20	8.00	19.00	63.0	8.00	4
J24510.0-18	9/16, 5/8	18	10.00	22.00	72.0	10.00	4
J24514.0-16	3/4	16	14.00	32.00	83.0	14.00	5

J280

DORMER

整硬合金螺纹铣刀, G(BSP)

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。 Alcrona Pro涂层可在多种材料中实现最佳加工效果。适用于加工内外螺纹。



工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■190 N	■212 N	■242 N	■163 N	■143 N	■127 N	■146 N	■118 N	■99 N	■87 N	■74 N	■61 N	■69 N	■58 N
M2.1	M2.2	M2.3	M3.1	M3.2	M3.3	M4.1	M4.2	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3
■61 N	■50 N	■42 N	■52 M	■44 M	■40 M	■33 M	◪29 M	■143 N	■106 N	■80 N	■136 N	■110 N	■88 N
K3.1	K3.2	K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3
■120 N	■91 N	■74 N	■111 M	■84 M	■62 M	■53 M	■44 M	■126 N	■95 N	■76 N	■440 0	■330 0	■220 0
N2.1	N2.2	N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	N4.3	S1.1	S1.2	S1.3	S2.1	S2.2
■288 0	■259 0	■187 0	■671 0	■396 0	■198 0	■319 0	■160 0	■72 0	■44 M	■44 M	◪33 M	■36 M	◪28 M
S3.1	S3.2	S4.1	S4.2	H1.1	H3.1								
■28 M	◪23 M	■22 M	◪18 M	■66 M	◪48 M								

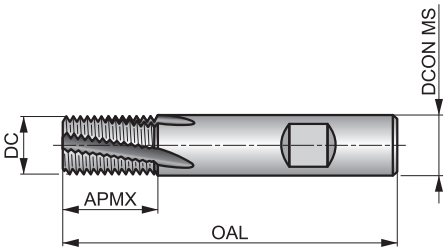
内和外螺纹

产品型号	TDZ	TPI	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF
J2806.0-28	1/8	28	6.00	15.00	57.0	6.00	3
J28010.0-19	1/4	19	10.00	20.00	72.0	10.00	4
J28014.0-19	3/8	19	14.00	26.00	83.0	14.00	5
J28016.0-14	1/2, 5/8	14	16.00	30.00	92.0	16.00	5
J28020.0-14	5/8, 3/4, 7/8	14	20.00	35.00	104.0	20.00	5
J28025.0-11	1", 3"	11	25.00	45.00	121.0	25.00	6

J260

硬质合金螺纹铣刀, NPT

通用高性能工具，可加工直径与TDZ相同或更大的相同节距。 左侧或右侧，通孔或盲孔，几乎直达底部。 Alcrona Pro涂层可在多种材料中实现最佳加工效果。



NPT | DORMER | HM

λ 10° | R

Alcrona Pro | DIN 6535HB

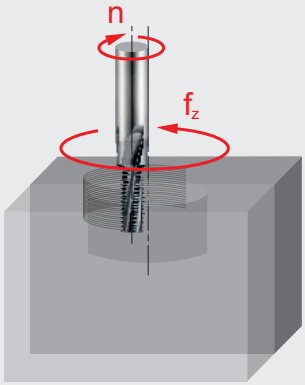
工件材料组的适用性，线速度(m/min)的起始值和Alpha代码。从308页开始，可以找到每齿进给量和校正系数的表格。

P1.1	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■190 R	■212 R	■242 R	■163 R	■143 R	■127 R	■146 R	■118 R	■99 R	■87 R	■74 R	■61 R	■69 R	■58 R
M2.1	**M2.2**	**M2.3**	**M3.1**	**M3.2**	**M3.3**	**M4.1**	**M4.2**	**K1.1**	**K1.2**	**K1.3**	**K2.1**	**K2.2**	**K2.3**
■61 R	■50 R	■42 R	■52 Q	■44 Q	■40 Q	■33 Q	◪29 Q	■143 R	■106 R	■80 R	■136 R	■110 R	■88 R
K3.1	**K3.2**	**K3.3**	**K4.1**	**K4.2**	**K4.3**	**K4.4**	**K4.5**	**K5.1**	**K5.2**	**K5.3**	**N1.1**	**N1.2**	**N1.3**
■120 R	■91 R	■74 R	■111 Q	■84 Q	■62 Q	■53 Q	■44 Q	■126 R	■95 R	■73 R	■440 S	■330 S	■220 S
N2.1	**N2.2**	**N2.3**	**N3.1**	**N3.2**	**N3.3**	**N4.1**	**N4.2**	**N4.3**	**S1.1**	**S1.2**	**S1.3**	**S2.1**	**S2.2**
■288 S	■259 S	■187 S	■671 S	■396 S	■198 S	■319 S	■160 S	■72 S	■44 Q	■44 Q	◪33 Q	■36 Q	◪28 Q
S3.1	**S3.2**	**S4.1**	**S4.2**	**H1.1**	**H3.1**								
■28 Q	◪23 Q	■22 Q	◪18 Q	■66 Q	◪48 Q								

内螺纹

产品型号	TDZ	TPI	DC (mm)	APMX (mm)	OAL (mm)	DCON MS (mm)	NOF
J2607.9-27	1/8	27	7.90	11.50	58.0	8.00	3
J2609.9-18	1/4, 3/8	18	9.90	15.92	66.0	10.00	3
J26015.9-14	1/2, 3/4	14	15.90	20.46	82.0	16.00	4
J26019.9-11.5	1", 2"	11.5	19.90	27.12	92.0	20.00	5

螺纹铣刀 – 每齿进给量表格



每转的每齿进给量（f_z，mm/rev）。
规定值是一次走刀加工全螺纹深度时的推荐初始值。

如何使用此表格查找每齿进给量（f_z）：
1. 在产品页找到您的字母代码（示例：181B，“B”是字母代码）。
2. 在表格第一行选择与刀具直径相匹配的列，螺距P或TPI（在左侧带图标的行中）。
3. 在表格左列找到您的字母代码。
4. 直径 + 螺距列和字母代码的交点（格）就是每齿进给量（f_z）。

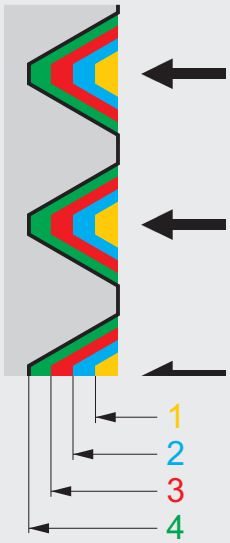
修正多次走刀的每齿进给量：
1. 如果螺纹加工需要2次走刀，表格中提供的进给量应增加30至40%。
2. 如果螺纹加工需要3次走刀，表格中提供的进给量应增加55至65%。
3. 如果螺纹加工需要4次走刀，表格中提供的进给量应增加80至90%。

（示例：J2003.2X.7加工WMG M4.1，进给率A，4次走刀f_z = 0.017×1.80 = 0.031 mm/齿）。

进给率

	ø DC (mm)																											
	3.20	4.10	4.50	4.80	5.50	6.00	–	6.50	7.50	7.90	8.00	8.20	9.50	9.90	10.00	–	11.60	12.00	–	13.60	14.00	–	16.00	–	–	19.00	20.00	25.00
	0.70	0.80	1.00	1.00	–	1.25	–	1.25	1.50	–	–	1.50	1.75	1.75	2.00	–	2.00	2.00	–	2.00	–	–	–	–	–	–	–	–
A	0.017	0.022	0.023	0.024	–	0.024	–	0.029	0.036	–	–	0.040	0.044	0.047	0.053	–	0.056	0.068	–	0.071	–	–	–	–	–	–	–	–
B	0.022	0.029	0.031	0.032	–	0.032	–	0.038	0.048	–	–	0.053	0.059	0.063	0.070	–	0.075	0.090	–	0.095	–	–	–	–	–	–	–	–
C	0.028	0.036	0.039	0.040	–	0.040	–	0.048	0.060	–	–	0.066	0.074	0.079	0.088	–	0.094	0.113	–	0.119	–	–	–	–	–	–	–	–
	–	–	–	0.50	–	0.75	1.00	–	–	–	1.00	–	–	–	1.00	1.50		1.00	1.50	–	1.00	1.50	1.50	2.00	2.50	3.00	2.00	–
D	–	–	–	0.044	–	0.041	0.036	–	–	–	0.057	–	–	–	0.075	0.067		0.079	0.071	–	0.083	0.071	0.092	0.081	0.073	0.067	0.096	–
E	–	–	–	0.058	–	0.055	0.048	–	–	–	0.076	–	–	–	0.100	0.089	–	0.105	0.094	–	0.110	0.095	0.122	0.108	0.097	0.089	0.128	–
F	–	–	–	0.073	–	0.069	0.060	–	–	–	0.095	–	–	–	0.125	0.111	–	0.131	0.118	–	0.138	0.119	0.153	0.135	0.121	0.111	0.160	–
	–	–	–	20	18	–	–	–	16	–	14	–	–	–	13	12	–	11	–	–	10	–	–	–	–	–	–	–
G	–	–	–	0.019	0.023	–	–	–	0.030	–	0.034	–	–	–	0.053	0.051	–	0.055	–	–	0.066	–	–	–	–	–	–	–
H	–	–	–	0.025	0.030	–	–	–	0.040	–	0.045	–	–	–	0.071	0.068	–	0.073	–	–	0.088	–	–	–	–	–	–	–
I	–	–	–	0.031	0.038	–	–	–	0.050	–	0.056	–	–	–	0.089	0.085	–	0.091	–	–	0.110	–	–	–	–	–	–	–
	–	–	–	28	–	24	–	–	–	–	20	–	–	–	18	–	–	–	–	–	16	–	–	–	–	–	–	–
J	–	–	–	0.023	–	0.026	–	–	–	–	0.041	–	–	–	0.062	–	–	–	–	–	0.083	–	–	–	–	–	–	–
K	–	–	–	0.030	–	0.035	–	–	–	–	0.054	–	–	–	0.083	–	–	–	–	–	0.110	–	–	–	–	–	–	–
L	–	–	–	0.038	–	0.044	–	–	–	–	0.068	–	–	–	0.104	–	–	–	–	–	0.138	–	–	–	–	–	–	–
	–	–	–	–	–	28	–	–	–	–	–	–	–	–	19	–	–	–	–	–	19	–	14	–	–	–	14	11
M	–	–	–	–	–	0.029	–	–	–	–	–	–	–	–	0.064	–	–	–	–	–	0.080	–	0.083	–	–	–	0.116	0.131
N	–	–	–	–	–	0.038	–	–	–	–	–	–	–	–	0.085	–	–	–	–	–	0.106	–	0.111	–	–	–	0.155	0.175
O	–	–	–	–	–	0.048	–	–	–	–	–	–	–	–	0.106	–	–	–	–	–	0.133	–	0.139	–	–	–	0.194	0.219
	–	–	–	–	–	–	–	–	–	27	–	–	–	18	–	–	–	–	–	–	14	11.5	–	–	–	–	–	–
Q	–	–	–	–	–	–	–	–	–	0.039	–	–	–	0.044	–	–	–	–	–	–	0.079	0.115	–	–	–	–	–	–
R	–	–	–	–	–	–	–	–	–	0.052	–	–	–	0.059	–	–	–	–	–	–	0.105	0.153	–	–	–	–	–	–
S	–	–	–	–	–	–	–	–	–	0.065	–	–	–	0.074	–	–	–	–	–	–	0.131	0.191	–	–	–	–	–	–

螺纹铣刀 – 走刀数表格



如何使用表格查找每次走刀的深度增量：
1. 选择螺纹牙型表格（示例：“M12”为公制螺纹）。
2. 在表格第一行找到与螺距匹配的列。
3. 在下方的列中找到推荐的走刀数和每次走刀的径向切削深度增量。（示例：对于1.75螺距，推荐的走刀数为5，第1次走刀的径向深度为0.277 mm，第二次为0.228 mm...）。
4. 对于更难以加工的材料，建议增加走刀数。
5. 要获得超精加工的效果，最好重复最后一次走刀。

用于公制内螺纹（60°）的推荐走刀数和每次走刀的径向切削深度。

		每次走刀的径向切削深度 (mm)										
		0.50	**0.70**	**0.75**	**0.80**	**1.00**	**1.25**	**1.50**	**1.75**	**2.00**	**2.50**	**3.00**
走刀数	**1**	0.158	0.221	0.168	0.224	0.224	0.228	0.237	0.277	0.283	0.323	0.387
	2	0.131	0.183	0.138	0.185	0.185	0.188	0.196	0.228	0.234	0.267	0.320
	3	–	–	0.127	0.135	0.168	0.173	0.179	0.209	0.214	0.244	0.293
	4	–	–	–	–	–	0.133	0.138	0.161	0.164	0.187	0.225
	5	–	–	–	–	–	–	0.116	0.135	0.138	0.158	0.189
	6	–	–	–	–	–	–	–	–	0.122	0.139	0.167
	7	–	–	–	–	–	–	–	–	–	0.125	0.151
相应深度		0.289	0.404	0.433	0.544	0.577	0.722	0.866	1.010	1.155	1.443	1.732

用于统一标准内螺纹（60°）的推荐走刀数和每次走刀的径向切削深度。

1 2 3 / 1"		每次走刀的径向切削深度 (mm)									
		28	**24**	**20**	**18**	**16**	**14**	**13**	**12**	**11**	**10**
走刀数	**1**	0.203	0.237	0.232	0.258	0.251	0.287	0.309	0.299	0.327	0.328
	2	0.167	0.195	0.191	0.213	0.207	0.237	0.255	0.247	0.270	0.271
	3	0.154	0.179	0.175	0.195	0.190	0.217	0.234	0.226	0.247	0.248
	4	–	–	0.135	0.149	0.146	0.166	0.179	0.174	0.189	0.190
	5	–	–	–	–	0.123	0.140	0.151	0.146	0.160	0.160
	6	–	–	–	–	–	–	–	0.130	0.140	0.141
	7	–	–	–	–	–	–	–	–	–	0.128
相应深度		0.524	0.611	0.733	0.815	0.917	1.047	1.128	1.222	1.333	1.466

螺纹铣刀 – 走刀数表格

用于G（BSP）内螺纹（60°）的推荐走刀数和每次走刀的径向切削深度。

1 2 3 / 1"		每次走刀的径向切削深度 (mm)			
		28	**19**	**14**	**11**
走刀数	**1**	0.225	0.271	0.318	0.362
	2	0.186	0.224	0.263	0.299
	3	0.170	0.205	0.241	0.274
	4	–	0.156	0.185	0.210
	5	–	–	0.155	0.177
	6	–	–	–	0.157
	7	–	–	–	–
相应深度		0.581	0.856	1.162	1.479

用于NPT内螺纹（60°）的推荐走刀数和每次走刀的径向切削深度。

1 2 3 / 1"		每次走刀的径向切削深度 (mm)			
		27	**18**	**14**	**11.5**
走刀数	**1**	0.283	0.348	0.390	0.423
	2	0.233	0.287	0.322	0.349
	3	0.214	0.263	0.295	0.320
	4	–	0.202	0.226	0.246
	5	–	–	0.190	0.207
	6	–	–	–	0.183
	7	–	–	–	–
相应深度		0.730	1.100	1.423	1.728

螺纹铣削的一般提示

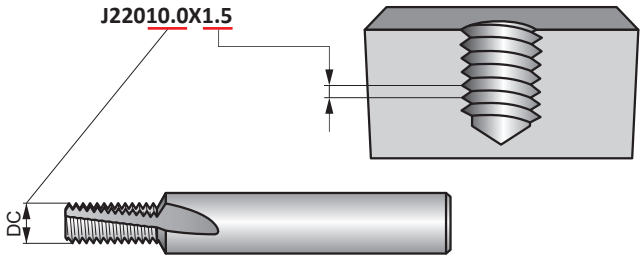
1. 螺纹铣削是用具有特定螺纹牙形的铣刀在其外缘上进行圆弧插补生成螺纹的过程。
2. 必须配备一台可制作圆弧路径的数控机床，才能使用螺纹铣刀。
3. 大多数现代数控机床都配备用于螺纹铣削的加工循环。
4. 详情请查阅手册或联系机床供应商。

功能和优点

1. 螺纹铣削提高了可靠性，并延长了刀具寿命。
2. 螺纹铣刀产生的切屑小，因此能够实现无故障攻丝。
3. 可以使用精确坐标调整公差。
4. 可以生成直达孔底的全螺纹。
5. 能够加工各种材料。
6. 一把刀具可制作尺寸不同而螺距相同的螺纹。
7. 一把刀具可制作右旋螺纹和左旋螺纹。
8. 某些螺纹铣刀还可以加工入口倒锥（J200和J205）。

选择合适的刀具

根据型号、直径DC和螺距TP，螺纹铣刀会有一个部件代码。
部件代码是订购刀具时使用的编号。
务必查阅产品目录，确保螺纹尺寸正确。



此螺纹铣刀适用于M12×1.5及以上规格（M14×1.5、M18×1.5等等）的螺纹

使用Rprg进行编程

- 为便于调整螺纹公差，务必编入半径校正程序。
- Rprg值是新刀具的起始值，印于刀柄上。该值应输入到刀具内存偏移中。
- Rprg以螺纹理论上的零位线为准，这表示使用Rprg进行编程时，螺纹不会过大，而通常螺距较小。
- 这意味着稍微修改编程坐标，便可制作所需尺寸的螺纹。

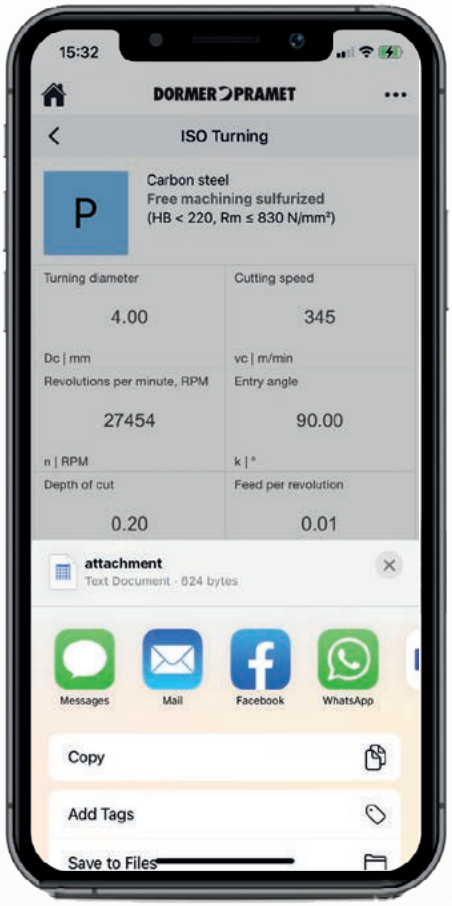
建议

- 务必使用正确的切削参数（参见产品章节中的切削参数表）。
- 与传统丝锥一样，请使用针对螺纹直径推荐的钻孔尺寸。
- 为便于调整螺纹公差，务必从螺纹铣刀刀柄上的Rprg值开始。
- 使用量规检查第一个螺纹的公差，以确定是否需要校正半径。 螺纹铣刀报废之前，可进行2到3次半径校正。
- 干切削时，建议使用压缩空气帮助排屑。
- 对难加工材料进行攻丝时，建议多次走刀。

DORMER PRAMET

畅连无忧

没有wifi或互联网连接？即使在离线状态，我们的加工计算器也可出色工作，随时随地满足您的需求。 简单可靠。



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GET IT ON Google Play

Download on AppGallery

可转位
铣刀

6		WMG & ISO 13399
10	立铣刀	说明
19		HM铣刀
117		HSS-E-PM、HSS-E、HSS铣刀
201		技术信息
212		旋转锉
292		螺纹铣刀
314	可转位铣刀	说明
328		导航工具
349		面铣刀
409		方肩铣刀
479		玉米铣刀
508		槽铣刀
521		仿形铣刀
613		快进给铣刀(HFC)
645		倒角和T形槽铣刀
667		其它刀片
691		技术信息

1 **SAD11E**

P M K N S H 2

PRAMET 3 S

5

4

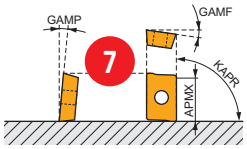
FORCE AD11带内冷的方肩铣刀

90˚方肩铣刀和面铣刀，使用正前角AD.. 11类型刀片，具有APMX(最大切深)9mm。适用于面铣，方肩铣，铣槽，螺旋铣削，摆线加工，坡走铣和插铣。可提供圆柱柄，侧固柄，莫氏锥柄，模块夹紧系统和芯轴式(具有不等齿距)类型，尺寸范围从Ø16至Ø125mm。刀体经过处理，使用寿命更长。

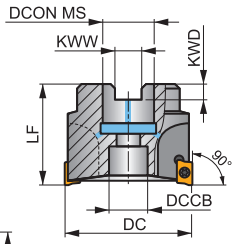
FORCE AD

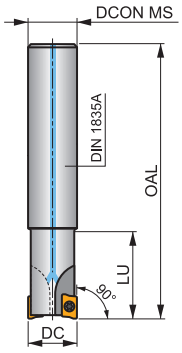
KAPR	90°
APMX	9.0 mm

6



7





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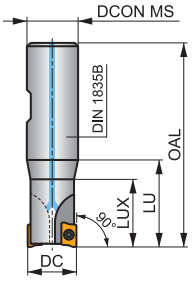
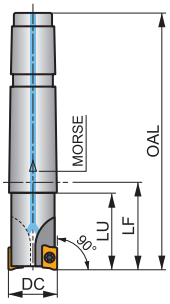
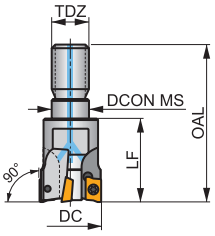
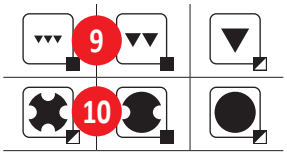
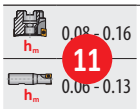







9 10



11

12

产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ (mm)	CZC MS (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)	16	17	18 max.	19	20 kg	21	22	23
14 **16A2R02[illegible]-SAD11E-C**	16	160	14	–	24	–	15	–	–	–	–	-12.8	4								
16A2R024A16-SAD11E-C	16	135	16	–	24	–	–	–	–	–	–	-12.8	4	2		30100		0.19	[illegible]	SQ025	
16A2R050A16-SAD11E-C	16	135	16	–	50	–	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.20	GI169	SQ025	–
18A2R029A20-SAD11E-C	18	150	20	–	29	–	–	–	–	–	–	-12	4.5	2	–	28400	✓	0.35	GI169	SQ025	–
20A2R029A20-SAD11E-C	20	150	20	–	29	–	–	–	–	–	–	-11.5	5	2	–	27000	✓	0.33	GI169	SQ020	–
20A2R070A20-SAD11E-C	20	150	20	–	70	–	–	–	–	–	–	-11.5	5	2	–	27000	✓	0.32	GI169	SQ020	–
13 **20A3R029A18-SAD11E-C**	20	200	18	–	29	–	–	–	–	–	–	-11.5	5	3	–	27000	✓	0.38	GI169	SQ025	–
20A3R029A20-SAD11E-C	20	150	20	–	29	–	–	–	–	–	–	-11.5	5	3	–	27000	✓	0.33	GI169	SQ025	–
DIN 1835A **22A3R029A20-SAD11E-C**	22	200	20	–	29	–	–	–	–	–	–	-11.5	5	3	–	25600	✓	0.49	GI169	SQ025	–
25A3R034A25-SAD11E-C	25	170	25	–	34	–	–	–	–	–	–	-10.2	5	3	–	24100	✓	0.42	GI169	SQ020	–

		24	
GI169	ADMX 11T3..		ADEX 11T3..

		Nm			25			
SQ020	US 62506-T07P	1.2	M 2.5	6	–	–	Flag T07P	–
SQ021	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	–
SQ022	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	HS 0830C
SQ023	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	HS 1030C
SQ025	US 62505-T07P	1.2	M 2.5	5	–	–	Flag T07P	–

		26	
AC001	KS 1230		K.FMH27
AC002	KS 1635		K.FMH32
AC003	KS 2040		K.FMH40

所示为可转位铣刀的典型页面 – 具体页面详情可能不同。

图号	说明
1	铣刀名称
2	推荐的材料组
3	刀片夹紧机构
4	实物图
5	刀具简介
6	主偏角和最大理论切削深度(mm)
7	刀具槽型
8	刀具示意图
9	可实现的表面质量
10	切削特点/工况
11	立铣刀和/或套式铣刀的最大平均切屑厚度范围[mm]
12	产品应用
13	刀柄类型

图号	说明
14	铣刀的ISO代码
15	尺寸(mm)、角度[1)] [°]和连接尺寸代码
16	齿数
17	不等齿距
18	铣刀最大转数
19	内冷供应
20	重量 (kg)
21	兼容刀片组 [2)]
22	备件组 [2)]
23	专用附件组 [2)]
24	兼容刀片
25	备件
26	专用附件

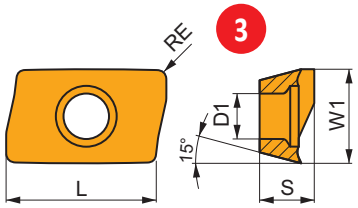
1) γ_f = 刀片座的径向前角（GAMF）– 参见可转位铣刀技术信息
γ_p = 刀片座轴向前角（GAMP）– 参见可转位铣刀技术信息

2) 备件和专用附件图标设计为易于理解的示意图。它们不包含在图标列表中。在某些情况下，螺钉信息包括扭矩值（Nm）、螺钉长度和螺纹尺寸。

1 ADMX 11

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
11T3	6.530	2.90	11.00	3.97



3

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
4	5	6	F槽型，具有非常锋利正前角设计，适用于轻载加工。 10																	
ADMX 11T304SR-F	8215	0.4	245	0.10	2.0	145	0.09	2.0	230	0.10	2.0	735	0.12	2.0	60	0.08	1.6	–	–	–
	M8310	0.4	270	0.10	2.0	135	0.09	2.0	255	0.10	2.0	–	–	–	–	–	–	–	–	–
7	8	9	240	0.10	2.0	140	0.09	2.0	225	0.10	2.0 11	720	0.12	2.0	60	0.08	1.6	–	–	–
	M8340	0.4	220	0.10	2.0	130	0.09	2.0	205	0.10	2.0	–	–	–	55	0.08	1.6	–	–	–
	M9340	0.4	285	0.10	2.0	170	0.09	2.0	–	–	–	–	–	–	70	0.08	1.6	–	–	–
ADMX 11T308SR-F	8215	0.8	290	0.10	2.0	170	0.09	2.0	275	0.10	2.0	870	0.12	2.0	70	0.08	1.6	–	–	–
	M8330	0.8	285	0.10	2.0	170	0.09	2.0	270	0.10	2.0	855	0.12	2.0	70	0.08	1.6	–	–	–
	M8340	0.8	260	0.10	2.0	155	0.09	2.0	245	0.10	2.0	–	–	–	65	0.08	1.6	–	–	–
	M9340	0.8	340	0.10	2.0	200	0.09	2.0	–	–	–	–	–	–	85	0.08	1.6	–	–	–
			M槽型，具有前角设计，适用于轻载到中等加工。																	
ADMX 11T302SR-M	M8330	0.2	190	0.15	4.0	110	0.14	4.0	180	0.15	4.0	–	–	–	45	0.12	3.2	–	–	–
	M8340	0.2	170	0.15	4.0	100	0.14	4.0	160	0.15	4.0	–	–	–	40	0.12	3.2	–	–	–
ADMX 11T304SR-M	8215	0.4	205	0.15	4.0	120	0.14	4.0	190	0.15	4.0	–	–	–	50	0.12	3.2	–	–	–
	M8310	0.4	220	0.15	4.0	110	0.14	4.0	205	0.15	4.0	–	–	–	–	–	–	–	–	–

ADMX 11T304SR-M:M8310 订购时请注明全部刀片规格代码！

涂层级

包括冒号

ISO刀片代码

所示为铣削刀片的典型页面 – 具体页面详情可能不同。大部分刀片可在此产品目录中相关铣刀后面或者单独的刀片章节中找到。

铣削刀片 – 页面概览

图号	说明
1	刀片名称
2	刀片尺寸表 (mm)
3	刀片示意图
4	相应刀片的图片
5	主切削刃廓形
6	图标 – 特征和切削刃类型

图号	说明
7	ISO刀片代码
8	涂层
9	刀尖半径 [mm]
10	槽形
11	刀片的应用领域 [1)]

[1)] “技术”部分的铣削章节结尾给出了有关线速度校正的建议。

铣刀页面后的技术信息包括铣刀兼容的刀片以及起始线速度信息。这些信息能够帮助你正确使用刀具。如果不确定如何使用或解读这些信息，请参考铣削章节末尾的“技术”部分，或者联系Dormer Pramet经销商。

可转位铣刀 – 图标概览

通用图标

■	主要使用
◪	可以使用

P	材料组P
M	材料组M
K	材料组K
N	材料组N
S	材料组S
H	材料组H

▼▼▼	精加工 – 表面质量极佳
▼▼	中等精度加工 – 表面质量良好
▼	粗加工 – 表面粗糙度无特别要求
●	适用于稳定工况
●	适用于不稳定工况
●	适用于重型加工工况

铣削操作

	平面铣
	浅方肩铣
	深方肩铣
	浅槽铣
	深槽铣

	T形槽铣
	波状表面（仿形铣）
	倒角铣
	螺旋插补
	对预钻孔进行螺旋插补

	插铣
	连续钻铣
	坡走铣
	背面铣削

刀柄

	套式铣刀DIN 8030
	套式铣刀DIN 8030 – 螺旋式铣刀
	套式铣刀DIN 8030 – 盘式铣刀
	DIN 1835A圆柱刀柄

	DIN 1835B侧固刀柄
	莫氏刀柄DIN 228-1
	多边形刀柄ISO 26623-1
	刀柄DIN 2080-1

	刀柄DIN 69871-1
	刀柄MAS BT（JIS-B-6339）
	螺纹接头

可转位铣刀 – 图标概览

特点

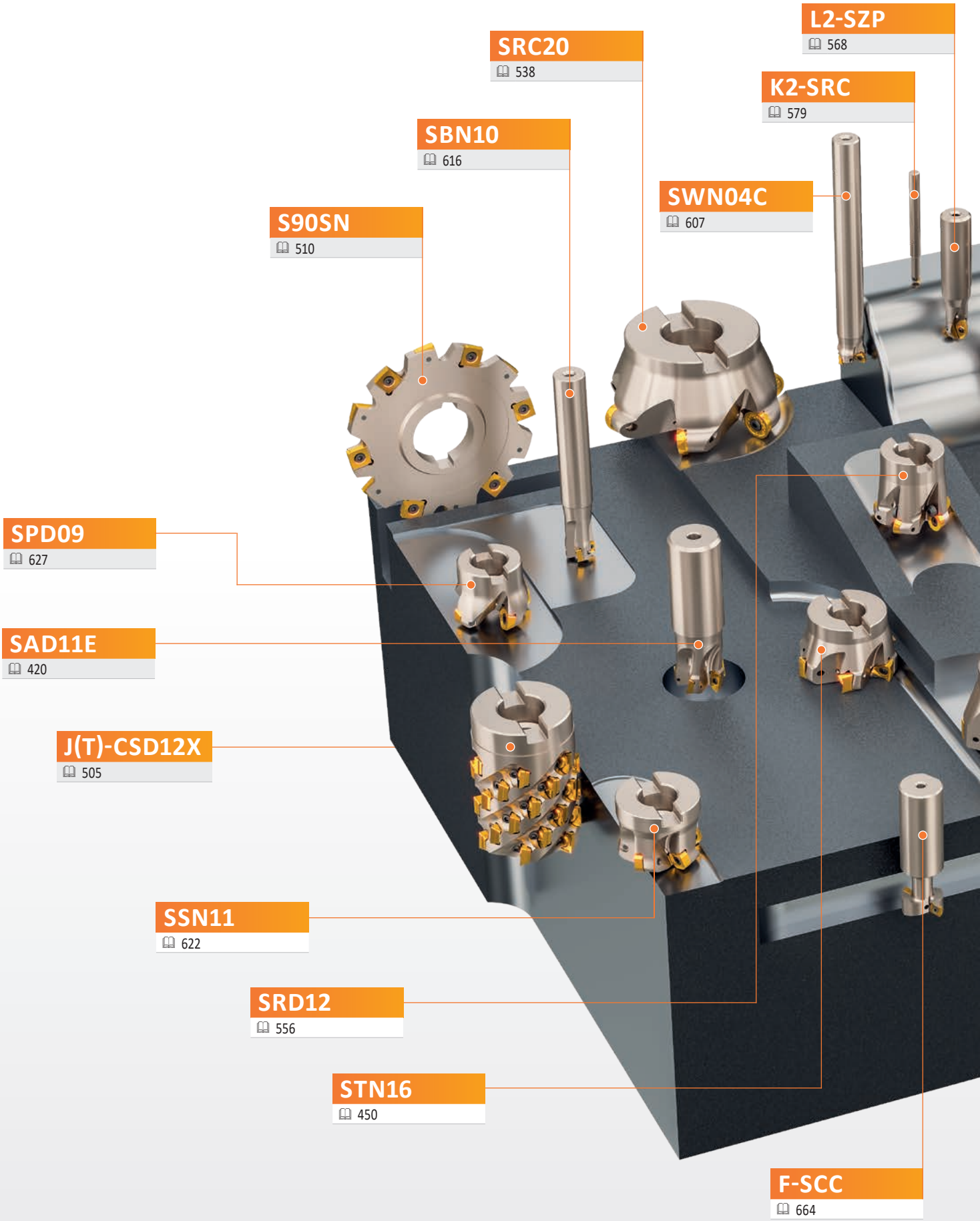
首选	长悬伸	圆刃
重载作业条件	薄壁和细长工件	带切面的切刃
快进给切削	应用广泛的多用途选项	带切面的圆刃
带修光刃槽形的刀片	尖刃	带双切面的圆刃

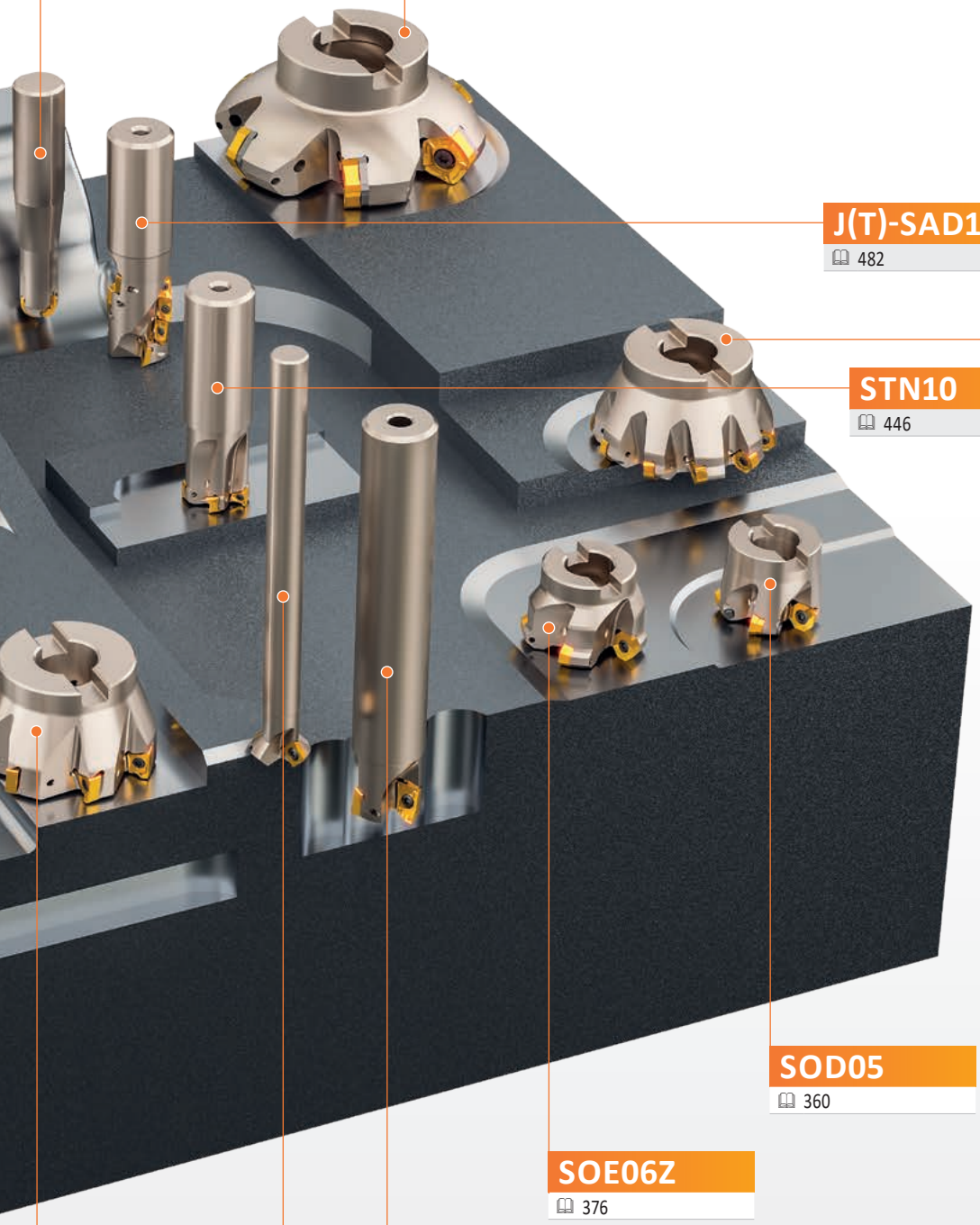
其它

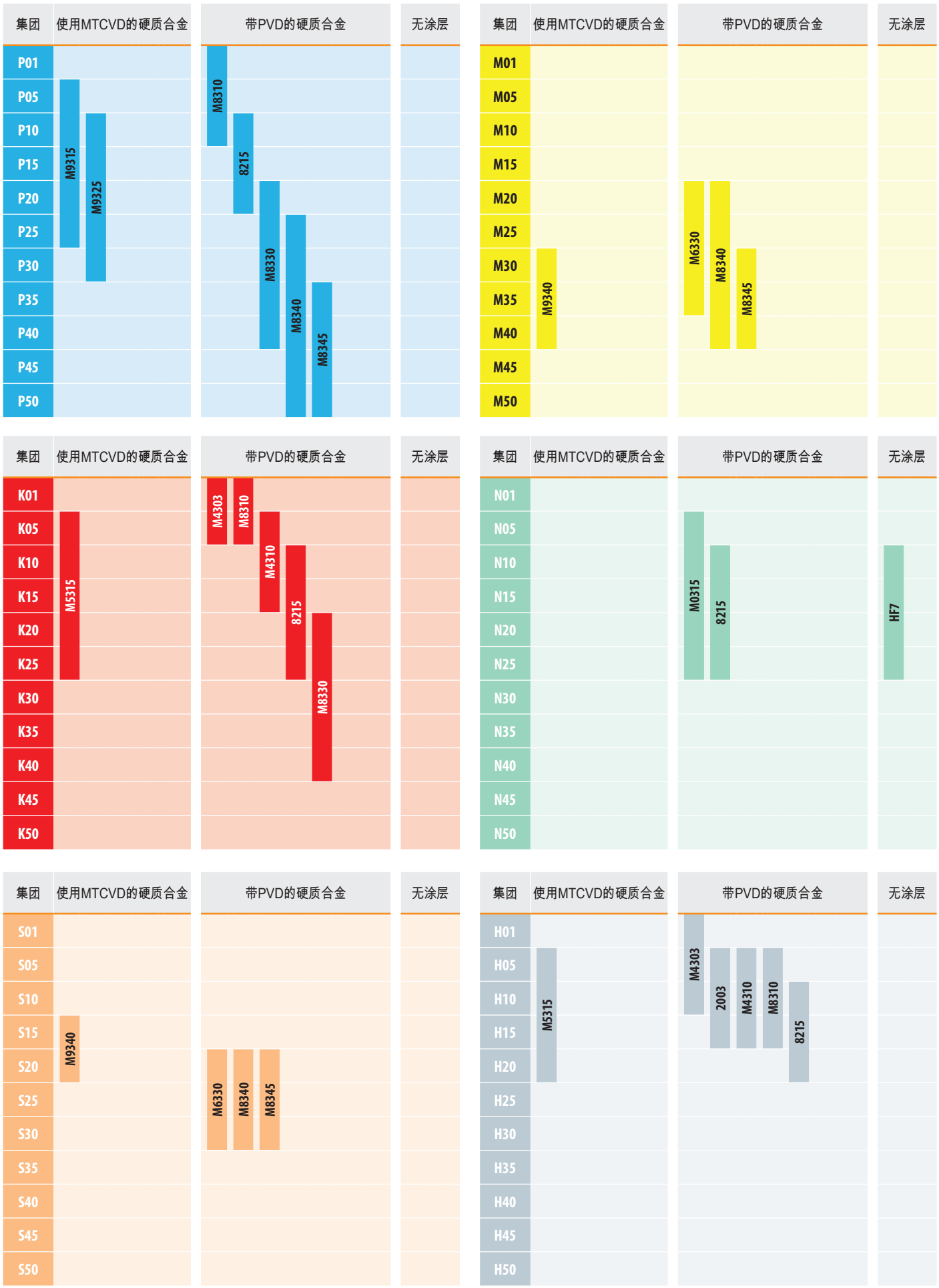
螺钉的夹紧力矩 (Nm)
有效齿数
齿数（螺旋刀具）

技术参数

切削锥的角度(°)	孔直径(mm)	坡走铣的最大角度 (°)
切削深度 (mm)	进给 (mm/齿)	最大孔径处的每转最大切削深度 (mm)
整个切削长度上的最大切削深度 (mm)	最小进给(mm/齿)	最小孔径处的每转最大切削深度 (mm)
修光刃长度(mm)	最大进给(mm/齿)	初始进给 (mm/齿)
进给的倍增因数（沿中心线加工）	断屑槽	逆铣的轮廓铣梯度(mm)
进给的倍增因数（偏离中心线加工）	刀具有效加工长度(mm)	上/下横向铣削的轮廓铣梯度(mm)
线速度的倍增因数	加工区域的最大宽度(mm)	加工表面的粗糙度R_a (mm)
刀具直径 (mm)	使用的切刃数	时间(min)
刀具最大直径(mm)	齿数	螺距
刀具的有效直径 (mm)	径向切削宽度与切削直径之比(%)	牙数
钻铣的切削深度 (mm)	径向切削宽度与最大切削直径之比(%)	
刀具有效范围(mm)	刀片刃角半径(mm)	


L2-SZP
568
SRC20
538
K2-SRC
579
SBN10
616
SWN04C
607
S90SN
510
SPD09
627
SAD11E
420
J(T)-CSD12X
505
SSN11
622
SRD12
556
STN16
450
F-SCC
664


K3-CXP
575
SPN13
397
J(T)-SAD11E
482
SHN09C
356
STN10
446
SOD05
360
SOE06Z
376
SAD16E
429
SLN12
455
SSD09
648


集团
使用MTCVD的硬质合金
带PVD的硬质合金
无涂层
P01
P05
P10
P15
P20
P25
P30
P35
P40
P45
P50
M9315
M9325
M8310
8215
M8330
M8340
M8345
集团
使用MTCVD的硬质合金
带PVD的硬质合金
无涂层
M01
M05
M10
M15
M20
M25
M30
M35
M40
M45
M50
M9340
M6330
M8340
M8345
集团
使用MTCVD的硬质合金
带PVD的硬质合金
无涂层
K01
K05
K10
K15
K20
K25
K30
K35
K40
K45
K50
M5315
M4303
M8310
M4310
8215
M8330
集团
使用MTCVD的硬质合金
带PVD的硬质合金
无涂层
N01
N05
N10
N15
N20
N25
N30
N35
N40
N45
N50
M0315
8215
HF7
集团
使用MTCVD的硬质合金
带PVD的硬质合金
无涂层
S01
S05
S10
S15
S20
S25
S30
S35
S40
S45
S50
M9340
M6330
M8340
M8345
集团
使用MTCVD的硬质合金
带PVD的硬质合金
无涂层
H01
H05
H10
H15
H20
H25
H30
H35
H40
H45
H50
M5315
M4303
2003
M4310
M8310
8215

材质	ISO应用范围	适用工况	进给范围	线速度范围	不稳定工况适用性	涂层	颜色	基体	冷却液影响	切割材料的描述
M9315	P05 – P25 K10 – K30 H10 – H20	■ ■ ◪				MT-CVD		H	---	一种即使在高热负荷下也具有高耐磨性的铣削材料，主要的应用范围是较高的切削速度和中等或小的切削深度。
M9325	P10 – P30 K10 – K30 H15 – H20	■ ■ ◪				MT-CVD		H	---	这种铣削材料在耐磨性和韧性之间有一个理想的平衡，它主要设计用于粗加工。其优点是即使在相对较高的切削速度下也有很好的耐磨性，具有很好的可靠性，这种材料更适合于使用较高速度和较低进给率的应用。
M9340	P35 – P50 M30 – M40 S15 – S20	■ ■ ■				MT-CVD		H	---	非常坚韧，其主要优点是切削刃强度高，能抵抗不利的切削条件。虽然这种材料有MT-CVD M30 – M40涂层，但在其应用中可以使用乳化液冷却，特别是在最佳切割条件下。
M5315	P05 – P20 K05 – K25 H05 – H20	◪ ■ ■				MT-CVD		H	---	最耐磨损的铣削材料之一，应在稳定的条件下使用。它的主要优点是具有极高的抗热应力和抗磨蚀性K05-K25.主要用于加工硬质和超硬质材料，特别是铸铁。
M8310	P01 – P10 M01 – M10 K01 – K10 H05 – H15	■ ◪ ■ ◪				PVD		ultra submicron H	-	专门为仿形铣削开发的材料，其特点是高耐磨性。它适用于在稳定的切削条件下以较高的切削速度进行加工，并适用于几乎所有的材料组（特别是较硬和更硬的材料）的加工。
8215	P10 – P20 M10 – M20 K10 – K25 N10 – N25 S10 – S15 H10 – H15	■ ◪ ■ ■ ◪ ■				PVD		submicron H	+/-	最通用的铣削材料之一，无论是从工件的范围还是从可能的应用范围来看。它的特点是高耐磨性和运行可靠性。它的其他优点包括出色的抗温度冲击开裂性。由于其独特的性能，这种材料无疑是铣刀系列的支柱之一。
M8325	P20 – P40 M15 – M30	■ ◪				PVD		S	-	这种基体的主要应用领域是加工所有类型的钢（包括不锈钢）的“软状态”。它也可用于加工较软的铸铁。适用于在平均切削条件下以中等速度加工M15 – M30。
M8330	P20 – P40 M20 – M35 K20 – K40 N15 – N30 S15 – S25 H15 – H25	■ ■ ■ ◪ ◪ ◪				PVD		submicron H	+/-	这种材料用途广泛，可用于加工各种材料。然而，它的优先应用领域是钢和球墨铸铁。建议在不稳定的切削条件下以中速进行铣削。
M8340	P25 – P50 M20 – M40 K20 – K40 S20 – S30	■ ■ ◪ ■				PVD		submicron H	+/-	最坚硬的材质之一，专用于较低线速度和不利工况下的加工。该材质适用于所有操作，但要求有坚韧的切削刃。

材质	ISO应用范围	适用工况	进给范围	线速度范围	不稳定工况适用性	涂层	颜色	基体	冷却液影响	切割材料的描述
M8345	P30 – P50	■				PVD		H	-	这种材料具有特殊的操作可靠性，是为在恶劣条件下对困难和坚韧的材料进行重负荷切割而设计的。
	M30 – M40	■								
M6330	P20 – P35	■				PVD		H	+/-	铣削材料，具有卓越的操作可靠性。特别适用于加工难以加工的材料。在恶劣条件和难于切割的应用中，具有强大的功能。
	M20 – M35	■								
	S20 – S30	■								
M4303	P01 – P10	◪				PVD		ultra submicron H	-	在模具加工中具有最高耐磨性的材料。在稳定的切削条件下，在高切削速度和低进给的情况下，提供卓越的性能。适用于困难工件材料的精加工操作。
	K01 – K10	■								
	N01 – N10	◪								
	H01 – H10	■								
M4310	P05 – P15	◪				PVD		ultra submicron H	-	一种用于模具加工的多功能材料。适用于精加工和半粗加工的操作。这种等级的产品结合了高耐磨性和卓越的操作可靠性。
	M05 – M15	◪								
	K05 – K15	■								
	S05 – S10	■								
	H05 – H15	■								
2003	P01 – P10	◪				PVD		ultra submicron H	-	具有优良的耐磨性的铣削材料。最适合在稳定的切削条件和中/高切削速度下加工硬质和高强度材料。适用于切割除有色金属以外的其他工件组材料
	M01 – M10	◪								
	K01 – K10	■								
	S05 – S10	■								
	H05 – H15	◪								
M0315	N05 – N25	■				PVD		submicron H	-	用于铣削有色金属及其合金的亚微米级材料，具有平衡的耐磨性和韧性比例。它有一个独特的涂层，具有出色的摩擦性能。
S26	P15 – P30	■				–		S	++	无涂层的铣削材料，具有良好的抗切削表面侵蚀能力。专门为低速加工碳钢和合金钢而设计。
S45	P30 – P45	■				–		S	++	无涂层的坚韧材料，适用于低切削速度和不利切削条件下的加工。
HF7	M10 – M20	◪				–		submicron H	++	一种无涂层的材料，主要用于加工非铁金属。它也可用于加工其他材料（钢除外）。这种材料可用于车削、铣削，甚至是镗削。
	K10 – K25	■								
	N10 – N25	■								

铣削等级 – 概览

基材	
H	WC-Co基体
submicron H	WC-Co基体, 细颗粒度(<1µm)
ultra submicron H	WC-Co基体,极细颗粒度(<0.5µm)
S	立方碳化钨基材

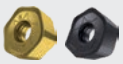
涂层	
MT-CVD	中温CVD涂层
PVD	物理涂层
–	无涂层材质

冷却的影响	
---	对刀具寿命有非常不利的影响 – 不建议冷却
-	对刀具寿命有轻微的不利影响
+/-	冷却的效果既可以是积极的 , 也可以是消极的--具体的工作条件是决定因素
++	对刀具寿命有积极影响 – 建议进行冷却

影响程度	
	级别 1–5

平面铣

>>>

	SHN06C	SHN09C	SOD05	SOD06D	SOE06Z
	45°	45°	45°	45°	43°
	APMX (mm) 3.0	APMX (mm) 5.0	APMX (mm) 2.7 (10.0)	APMX (mm) 3.1 (8, 6)	APMX (mm) 3.3 (9.9)
	DC (mm) 25 – 125	DC (mm) 50 – 315	DCX (mm) 32 – 125	DC (mm) 63 – 160	DC (mm) 50 – 200
圆柱刀柄			DCX = 32 – 40 (mm)		
侧固刀柄	DC = 25 – 32 (mm)				
模块式刀柄	DC = 25 – 40 (mm)				
套式铣刀	DC = 40 – 125 (mm)		DCX = 40 – 125 (mm)		
页码	352	356	360	370	376
ISO	P M K H	P M K H	P M K N	P M K S H	P M N S
刀片形状					
刀片	HNGX 0604 XNGX 0604	HNGX 0906 XNGX 0906	OD.. 0505 RD.. 1205 SD.. 1205	OD.. 0605 RPE. 1505	OEHT 0604 REHT 1604 XEHT 0604
切削刃数量	12 / 1	12 / 1	8 / – / 4	8 / 1 / –	8 / – / 1
平面铣	■	■	■	■	■
倒角铣	■	■	■	■	■
螺旋插补			■		◪
连续钻铣	■	■	■		◪
坡走铣	■	■	■		◪
形面铣（仿形铣）			■		◪
浅方肩铣			■		
浅槽铣			■		
插铣			■		

■ 推荐使用 ◪ 可以使用

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平面铣

	SOE09Z	SSE09	SSN12Z	SPN13	CHN09	FSB22X
	43°	45°	45°	57°	60°	60°
	APMX (mm) 5.0 (14.1)	APMX (mm) 4.5	APMX (mm) 6.5	APMX (mm) 10.0	APMX (mm) 6.0	APMX (mm) 15.0
	DC (mm) 80 – 315	DC (mm) 20 – 160	DC (mm) 50 – 250	DC (mm) 100 – 315	DC (mm) 80 – 125	DC (mm) 125 – 315
		DC = 20 – 32 (mm)				
		DC = 32 – 160 (mm)				
	383	389	393	397	401	405
ISO	P M N S	P M K S	P M K S	P M K S H	K	P M K
	OEHT 0906 REHT 2406 XEHT 0906	SE.T 09T3	SN.T 1205	PNM. 1308 XN.. 1308	HN.. 0905	SB.. 2207
	8 / – / 1	4	4	10 / 1	12	4 / 1
	■	■	■	■	■	■
	■	■	■			
	◩					
	◩					
	◩					
	◩					

■ 推荐使用　◩ 可以使用

方肩铣

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	SAD07D	SAD11E	SAD16E	SAP10D	SAP16D
	90°	90°	90°	90°	90°
	APMX (mm) 5.0	APMX (mm) 9.0	APMX (mm) 13.0	APMX (mm) 9.0	APMX (mm) 13.0
	DC (mm) 10 – 32	DC (mm) 16 – 125	DC (mm) 25 – 175	DC (mm) 10 – 63	DC (mm) 25 – 160
圆柱刀柄	DC = 10 – 25 (mm)	DC = 16 – 35 (mm)	DC = 25 – 32 (mm)		
侧固刀柄		DC = 16 – 32 (mm)	DC = 25 – 40 (mm)	DC = 10 – 25 (mm)	DC = 25 – 40 (mm)
模块式刀柄	DC = 12 – 32 (mm)	DC = 16 – 40 (mm)	DC = 32 – 40 (mm)		
套式铣刀		DC = 40 – 125 (mm)	DC = 40 – 175 (mm)	DC = 40 – 63 (mm)	DC = 40 – 160 (mm)
页码	413	420	429	438	441
ISO	P M K N S	P M K N S H	P M K N S H	P M K N S	P M K N S
刀片形状					
刀片	AD.X 0702	AD.X 11T3	AD.X 1606	APKT 1003	AP.T 1604
切削刃数量	2	2	2	2	2
浅方肩铣	■	■	■	■	■
螺旋插补	■	■	■	■	■
浅槽铣	■	■	■	■	■
插铣	■	■	■	■	■
连续钻铣	■	■	■	■	■
坡走铣	■	■	■	■	■
平面铣	◪	◪	◪	◪	◪
形面铣（仿形铣）	◪	■	■		

■ 推荐使用　◪ 可以使用

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方肩铣

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	STN10	STN16 NEW	SLN12	SLN16	SSO05O	SSO09
	90°	90°	90°	90°	90°	90°
	APMX (mm) 5.0	APMX (mm) 10.0	APMX (mm) 9.0	APMX (mm) 13.0	APMX (mm) 4.5	APMX (mm) 8.0
	DC (mm) 18 – 32	DC (mm) 25 – 175	DC (mm) 25 – 125	DC (mm) 63 – 175	DC (mm) 12 – 40	DC (mm) 20 – 125
	DC = 18 – 35 (mm)	DC = 25 – 35 (mm)	DC = 25 – 32 (mm)		DC = 12 – 25 (mm)	
	DC = 20 – 32 (mm)	DC = 25 – 40 (mm)	DC = 25 – 40 (mm)		DC = 20 – 32 (mm)	DC = 20 – 32 (mm)
	DC = 20 – 32 (mm)	DC = 25 – 40 (mm)	DC = 25 – 40 (mm)			
	DC = 40 – 80 (mm)	DC = 40 – 175 (mm)	DC = 40 – 125 (mm)		DC = 32 – 40 (mm)	DC = 40 – 125 (mm)
	446	450	455	461	466	469
ISO	P M K N	P M K N	P M K N	P K N H	P M K S	P M K S
	TNGX 1004	TNGX 1606	LNG. 1205	LN.U 1607	SOMT 0502	SOMT 09T3
	6	6	4	4	4	4
	■	■	■	■	■	■
	◩	◩	◩			
	■	■	■	■	■	■
	◩		■	■	■	■
	◩		◩			
	◩		◩			
	■	■	◩			◩
			◩	◩	■	

■ 推荐使用 ◩ 可以使用

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方肩铣

	SSD12	FTB27X			
	90°	90°			
	APMX (mm) 10.0	APMX (mm) 18.0			
	DC (mm) 50 – 160	DC (mm) 140 – 260			
圆柱刀柄					
侧固刀柄					
模块式刀柄					
套式铣刀					
页码	472	475			
ISO	P M K N S	P M K			
刀片形状					
刀片	SDMT 1205	TBMR 2707			
切削刃数量	4	3			
浅方肩铣	■	■			
螺旋插补					
浅槽铣	■	◪			
插铣	■				
连续钻铣					
坡走铣					
平面铣	◪	◪			
形面铣（仿形铣）					

■ 推荐使用 ◪ 可以使用

玉米铣刀

>>>

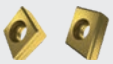
	J(T)-SAD11E	J(T)-SAD16E	J(T)-SLSN	J(T)-SSAP	J(T)-2416
	90°	90°	90°	90°	90°
	APMX (mm) 37.0 – 56.0	APMX (mm) 40.0 – 108.0	APMX (mm) 104.0 – 134.0	APMX (mm) 58 ,0– 95.0	APMX (mm) 40.0 – 63.0
	DC (mm) 25 – 50	DC (mm) 50 – 100	DC (mm) 63 - 80	DC (mm) 50 – 80	DC (mm) 20 – 40
侧固刀柄	DC = 25 – 40 (mm)				
莫氏锥柄	DC = 25 – 40 (mm)				
刀柄		DC = 50 – 80 (mm)			
套式铣刀	DC = 50 (mm)	DC = 50 – 100 (mm)			
页码	482	488	494	498	503
ISO	P M K N S H	P M K N S H	P K	P M K N S H	P M K N
刀片形状					–
刀片	AD 11T3	AD.. 1606	LNET 1606 SN.. 1305	APE. 150412 SPE. 1204	–
切削刃数量	2	2	2 / 8	2 / 4	–
深方肩铣	■	■	■	■	■
深槽铣	■	■	■	■	◪
平面铣	◪	◪	◪	◪	◪
插铣	◪	◪	◪	◪	

■ 推荐使用 ◪ 可以使用

	J(T)-CSD12X				
	90°				
	APMX (mm) 44.1 – 87.3				
	DC (mm) 40 – 63				
PCS	DC = 40 – 50 (mm)				
莫氏锥柄	DC = 50 (mm)				
刀柄	DC = 40 – 63 (mm)				
套式铣刀	DC = 50 – 80 (mm)				
页码	505				
ISO	P M S				
刀片形状					
刀片	SD.X 1205				
切削刃数量	4				
深方肩铣	■				
深槽铣	■				
平面铣	◪				
插铣					

■ 推荐使用 ◪ 可以使用

槽铣

	S90SN	S90CN(XN)			
	90°	90°			
	APMX (mm) 4.0 – 14.0	APMX (mm) 14.0 – 30.5			
	DC (mm) 80 – 200	DC (mm) 125 – 315			
盘式	DC = 80 – 200 (mm)	DC = 125 – 315 (mm)			
套式铣刀	DC = 63 – 160 (mm)	DC = 125 – 200 (mm)			
页码	510	516			
ISO	P M K	P M K			
刀片形状					
刀片	SNHQ 11 SNHQ 12	CNHQ 1005 XNHQ 1205 XNHQ 1606			
切削刃数量	4	2			
深槽铣	■	■			
深方肩铣	◪	◪			
平面铣	◪	◪			
背面铣削	◪	◪			

■ 推荐使用　◪ 可以使用

仿形铣

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	SRC10	SRC12	SRC16	SRC20	SRD05
	–	–	–	–	–
	APMX (mm) 5.0	APMX (mm) 6.0	APMX (mm) 8.0	APMX (mm) 10.0	APMX (mm) 1.5
	DCX (mm) 25 – 66	DCX (mm) 40 – 100	DCX (mm) 63 – 160	DCX (mm) 80 – 160	DCX (mm) 10 – 15
圆柱刀柄	DCX = 25 – 32 (mm)				
侧固刀柄					
模块式刀柄	DCX = 25 – 42 (mm)				
套式铣刀	DCX = 40 – 66 (mm)				
页码	526	530	534	538	542
ISO	P M K S H	P M K S H	P M K S H	P M K S H	P K H
刀片形状					
刀片	RC 10T3	RC 1204	RC 1606	RC 2006	RD 0501
切削刃数量	–	–	–	–	–
形面铣（仿形铣）	■	■	■	■	■
平面铣	■	■	■	■	■
螺旋插补	■	■	■	■	■
连续钻铣	■	■	■	■	■
坡走铣	■	■	■	■	■
浅槽铣					
深方肩铣					
倒角铣					
插铣					

■ 推荐使用 ◩ 可以使用

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仿形铣

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	SRD07	SRD10	SRD12	SRD16	L2-SZP	K3-CXP
	–	–	–	–	–	–
	APMX (mm) 2.0	APMX (mm) 2.5	APMX (mm) 3.0	APMX (mm) 4.0	APMX (mm) 8.9 – 44.7	APMX (mm) 8 ,0 – 16.0
	DCX (mm) 15 – 25	DCX (mm) 20 – 52	DCX (mm) 24 – 80	DCX (mm) 32 – 100	DCX (mm) 10 – 50	DCX (mm) 16 – 32
					DCX = 10 – 32 (mm)	DCX = 16 – 32 (mm)
	DCX = 15 (mm)	DCX = 20 (mm)			DCX = 12 – 50 (mm)	DCX = 16 – 25 (mm)
	DCX = 15 – 25 (mm)	DCX = 20 – 42 (mm)	DCX = 24 – 42 (mm)	DCX = 32 (mm)	DCX = 10 – 32 (mm)	DCX = 16 – 32 (mm)
		DCX = 42 – 52 (mm)	DCX = 50 – 80 (mm)	DCX = 52 – 100 (mm)		
	545	550	556	562	568	575
ISO	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K S H	P M K S H
	RD 0702	RD 1003	RD 12T3	RD 1604	ZP	XP
	–	–	–	–	2	1
	■	■	■	■	■	■
	■	■	■	■		
	■	■	■	■		
	■	■	■	■		
	■	■	■	■		

■ 推荐使用 ◩可以使用

<<<

仿形铣

>>>

	K2-SRC	K2-SLC	K2-PPH	SVC22C	SWN04C
	–	90°	–	90°	90° (93°)
	APMX (mm) 0.6 – 3.2	APMX (mm) 1.0 – 3.0	APMX (mm) 0.3 – 4.0	APMX (mm) 3.0 (16.0)	APMX (mm) 0.5 (2.0)
	DCX (mm) 8 – 20	DCX (mm) 12 – 20	DCX (mm) 8 – 32	DC (mm) 32 – 80	DC (mm) 20 – 35
圆柱刀柄	DCX = 8 – 20 (mm)		DCX = 8 – 32 (mm)	DC = 32 – 40 (mm)	DC = 20 – 32 (mm)
侧固刀柄					
模块式刀柄	DCX = 8 – 20 (mm)		DCX = 16 – 20 (mm)	DC = 32 – 40 (mm)	DC = 20 – 35 (mm)
套式铣刀				DC = 50 – 80 (mm)	
页码	579	588	592	604	607
ISO	P M K H	P M K H	P M K S H	N	P K H
刀片形状					
刀片	RC LC	LC	PPH PPHF PPHT	VCGT 220530	WN.. 0403
切削刃数量	2	2	2	2	6
形面铣（仿形铣）	■	■	■		■
平面铣					■
螺旋插补		◪	◪	■	
连续钻铣		◪	◪	■	
坡走铣		◪	◪	◪	■
浅槽铣				◪	
深方肩铣				◪	■
倒角铣		◪	◪		
插铣					■

■ 推荐使用　◪ 可以使用

<<<

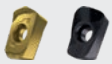
仿形铣

	SCN05C					
	90° (93°)					
	APMX (mm) 0.5 (1.0)					
	DC (mm) 12 – 20					
	DC = 12 – 20 (mm)					
	DC = 12 – 20 (mm)					
	610					
ISO	P K H					
	CN.. 0502					
	4					
	■					
	■					
	■					
	■					
	■					

■ 推荐使用 ◩ 可以使用

快进给铣销

>>>

	SBN10	SSN11 NEW	SPD09	SZD07	SZD09
	20°	18°	19°	–	–
	APMX (mm) 1.0	APMX (mm) 1.7	APMX (mm) 2.0	APMX (mm) 1.0	APMX (mm) 1.0
	DCX (mm) 16 – 42	DCX (mm) 32 – 125	DCX (mm) 32 – 140	DCX (mm) 16 – 32	DCX (mm) 25 – 66
圆柱刀柄	DCX = 16 – 35 (mm)	DCX = 32 – 35 (mm)	DCX = 32 – 40 (mm)	DCX = 16 – 25 (mm)	
侧固刀柄					DCX = 25 – 32 (mm)
模块式刀柄	DCX = 16 – 40 (mm)	DCX = 32 – 40 (mm)		DCX = 16 – 32 (mm)	DCX = 25 – 42 (mm)
套式铣刀	DCX = 40 – 42 (mm)	DCX = 40 – 125 (mm)	DCX = 42 – 140 (mm)		DCX = 40 – 66 (mm)
页码	616	622	627	633	637
ISO	P M K S H	P M K S	P M K S H	P K H	P K H
刀片形状					
刀片	BNGX 10T3 ANHX 10T3	SNGX 1104	PD.. 0905	ZDCW 0703	ZDCW 09T3
切削刃数量	4 / 2	8	5	4	4
平面铣	■	■	■	■	■
螺旋插补	■	◪	■	◪	◪
浅方肩铣	■	■	■	◪	◪
插铣	■	■	■	◪	◪
连续钻铣	■	◪	■	◪	◪
坡走铣	■	◪	■		
形面铣（仿形铣）	■	■	◪	◪	◪
浅槽铣	◪	◪	◪	◪	◪

■ 推荐使用 ◪ 可以使用

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快进给铣销

	SZD12					
	–					
	APMX (mm) 1.6					
	DCX (mm) 32 – 80					
	DCX = 40 (mm)					
	DCX = 32 – 40 (mm)					
	DCX = 50 – 80 (mm)					
	641					
ISO	P K H					
	ZDEW 1204					
	4					
	■					
	◪					
	◪					
	◪					
	◪					
	◪					
	◪					

■ 推荐使用 ◪ 可以使用

倒角铣，T形槽铣

>>>

	SSD09	N-SSO09	2516	2636	J(T)-SXP16
	45°	45°	45°	10°– 80°	15°– 75°
	APMX (mm) 4.5	APMX (mm) 4.5	APMX (mm) 8.5	APMX (mm) 8.5	APMX (mm) 7.0– 28.0
	DC (mm) 10 – 25	DC (mm) 8 – 25	DC (mm) 11 – 19	DC (mm) 5 – 23	DC (mm) 35 – 45
圆柱刀柄	DC = 16 – 25 (mm)				
侧固刀柄	DC = 10 – 25 (mm)				
莫氏	DC = 10 – 25 (mm)				
套式铣刀					
页码	648	651	654	657	660
ISO	P M K S H	P M K S	P M K S	P M K S	P M K N
刀片形状					
刀片	SDE. 0903	SOMT 09T3	TCMT 16T3	TCMT 16T3	XPHT 1604
切削刃数量	4	4	3	3	2
倒角铣	■	■	■	■	■
背面铣削					
T形槽铣					
浅方肩铣					
浅槽铣					

■ 推荐使用 ◩ 可以使用

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倒角铣，T形槽铣

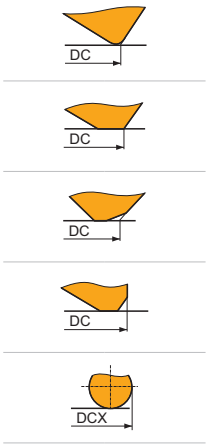
	F-SCC					
	90°					
	APMX (mm) 11.0 – 18.0					
	DC (mm) 25 – 40					
	664					
ISO	P M K					
	CCMX					
	2					
	■					
	■					
	◩					
	◩					

■ 推荐使用　◩ 可以使用

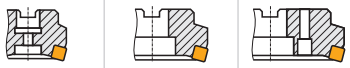
ISO规格 - 玉米铣刀体

	1	2	3	4		5	6	7	8	9	10	11	12
ISO	63	A	06	R	–		S	90	A	D	16	E	
ANSI	1	2	3	4		5	6	7	8	9	10	11	12
	300	F	04	N	–	I	S	90	S	N	12	N	4

1 切削直径

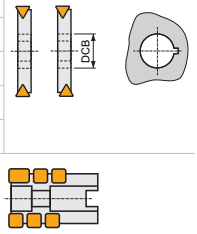


2 刀体类型, 规格及装夹尺寸



A ISO 6462/A DIN 8030/A	B ISO 6462/B DIN 8030/B	C ISO 6462/C DIN 8030/C

F	DC = 27 mm	DC = 1.000
G	DC = 32 mm	DC = 1.250
H	DC = 40 mm	–
J	DC = 50 mm	–
K	DC = 60 mm	–
M	DC = 80 mm	–
T		



3 齿数

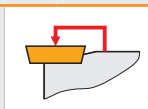
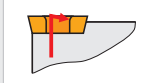
4 切削方向

R	
L	
N	

5 标准

I	(")

6 夹紧类型

C	
S	
W	
F	

7 主偏角 (KAPR)

90°	
75°	
60°	
45°	
M0	

8 刀片形状

H	O	P	R
S	T	C	D
E	M	V	W
L	A	B	K

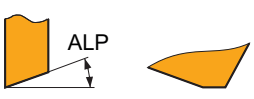
9 后角

A		B	
C		D	
E		F	
G		N	
P		O	Special

10 切削刃长度

IC (mm)	(")	H	O	P	S	T	C	D	E	M	V	W	R	K
3.97					03	06		04			06	02		
	5/32"							1.2"						
4.76					04	08	04	05	04	04	08	L3		
	3/16"							1.5"						
5.56					05	09	05	06	05	05	09	03		
	7/32"							1.8"						
6.35		03	02	04	08	11	06	07	08	08	11	04	06	
	1/4"							2"						
7.94		04	03	05	07	13	08	09	06	07	13	05	07	
	5/16"							2.5"						
9.525		05	04	07	09	16	09	11	09	09	16	06	09	19
	3/8"							3"						
12.7		07	05	09	12	22	12	15	13	12	22	08	12	
	1/2"							4"						
15.875		09	06	11	15	27	16	19	16	15	27	10	15	
	5/8"							5"						
19.05		11	07	13	19	33	19	23	19	19	33	13	19	
	3/4"							6"						
25.4		14	10	18	25	44	25	31	26	25	44	17	25	
	5/1"							8"						
31.75		18	13	23	31	54	32	38	32	31	54	21	31	
	1 1/4"							10"						

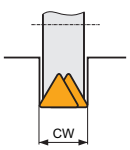
11 修光刃后角



N ALP = 0°	C ALP = 7°	P ALP = 11°
D ALP = 15°	E ALP = 20°	F ALP = 25°

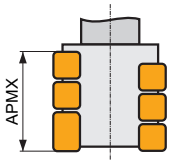
12 切削刃长度(或宽度)

CW (mm) / (")



CW	1/16"
0.156	2.5
0.187	3
0.250	4
0.313	5
0.375	6

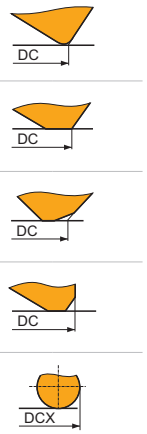
APMX



ISO代码 - 方肩立铣刀

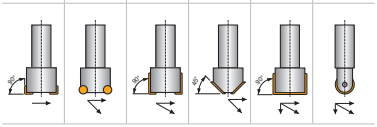
	1	2	3	4	5	6	7		8	9	10	11	12	13
ISO	32	A	4	R	042	B	32	–		S	A	D	11	E
ANSI	1	2	3	4	5	6	7		8	9	10	11	12	13
	125	A	4	R	150	W	125	–	I	S	A	D	11	E

1 切削直径



2 刀杆类型和主偏角

A	E	J	N	H	K



5 悬伸

(mm)
(")

6 刀杆类型

A	C	DIN 1835A	
B	W	ISO 3338-2, DIN 1835B	
E	-	ISO 296, DIN 228-1	
G	-	ISO 297, DIN 208-1	
H	-	ISO/DIS 7388-1, DIN 69871-1	
N	-	ISO 12 164-1, DIN 69893	
-	R8	R8	
X	-	MAS BT	
XC	-	CAPTO	
-	CA	ANSI B5.50	

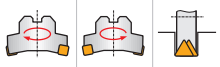
7 刀杆尺寸

6 – 40 mm	.250" – 1.250"
6 – 50 mm	.375" – 2.000"
1 – 6	–
40 – 50 mm	–
30 – 50 mm	–
25 – 100 mm	–
–	1.250"
30 – 50	–
3 – 10	–
–	40 / 50

3 齿数

4 切削方向

R	L	N



8 刀片形状

H	O	P	R
S	T	C 80°	D 55°
E 75°	M 86°	V 35°	W 80°
L	A 85°	B 82°	K 55°

9 后角

A 3°		B 5°	
C 7°		D 15°	
E 20°		F 25°	
G 30°		N 0°	
P 11°		O	非标

10 切削刃长度

IC (mm)	IC (")	H	O	P	S	T	C	D	E	M	V	W	R	K
3.97					03	06		04			06	02		
	5/32"							1.2"						
4.76					04	08	04	05	04	04	08	L3		
	3/16"							1.5"						
5.56					05	09	05	06	05	05	09	03		
	7/32"							1.8"						
6.35		03	02	04	08	11	06	07	08	08	11	04	06	
	1/4"							2"						
7.94		04	03	05	07	13	08	09	06	07	13	05	07	
	5/16"							2.5"						
9.525		05	04	07	09	16	09	11	09	09	16	06	09	19
	3/8"							3"						
12.7		07	05	09	12	22	12	15	13	12	22	08	12	
	1/2"							4"						
15.875		09	06	11	15	27	16	19	16	15	27	10	15	
	5/8"							5"						
19.05		11	07	13	19	33	19	23	19	19	33	13	19	
	3/4"							6"						
25.4		14	10	18	25	44	25	31	26	25	44	17	25	
	5/1"							8"						
31.75		18	13	23	31	54	32	38	32	31	54	21	31	
	1 1/4"							10"						

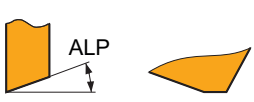
8 标准

I	(")

9 夹紧类型

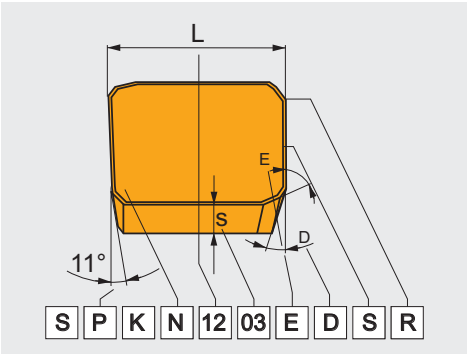
C		W	
S		F	

13 修光刃后角



N ALP = 0°	C ALP = 7°	P ALP = 11°
D ALP = 15°	E ALP = 20°	F ALP = 25°

ISO代码 – 铣刀刀片



	1	2	3	4
ISO	S	P	G	N
	S	P	K	N
ANSI	1	2	3	4
	S	P	G	
	S	P	K	N

1 刀片形状

H	O	P	R
S	T	C 80°	D 55°
E 75°	M 86°	V 35°	W 80°
L	A 85°	B 82°	K 55°

2 后角

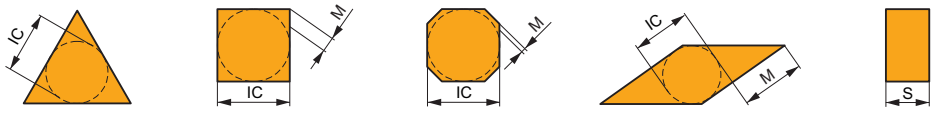
A 3°		B 5°	
C 7°		D 15°	
E 20°		F 25°	
G 30°		N 0°	
P 11°		O	非标

4 刀片类型

N		
R		
F		
A		
M		
G		
W	40 – 60°	
T		
Q		
U		
B	70 – 90°	
H		
C		
J		
X	非标	

3 公差

	(mm)			(″)		
	M (±)	S (±)	IC (±)	M (±)	S (±)	IC (±)
A	0.005	0.025	0.025	0.0002″	0.001″	0.0010″
F	0.005	0.025	0.013	0.0002″	0.001″	0.0005″
C	0.013	0.025	0.025	0.0005″	0.001″	0.0010″
H	0.013	0.025	0.013	0.0005″	0.001″	0.0005″
E	0.025	0.025	0.025	0.0010″	0.001″	0.0010″
G	0.025	0.130	0.025	0.0010″	0.005″	0.0010″
J	0.005	0.025	0.05 – 0.13	0.0002″	0.001″	0.002″ – 0.005″
K	0.013	0.025	0.05 – 0.13	0.0005″	0.001″	0.002″ – 0.005″
L	0.025	0.025	0.05 – 0.13	0.0010″	0.001″	0.002″ – 0.005″
M	0.08 – 0.18	0.130	0.05 – 0.13	0.003″ – 0.007″	0.005″	0.002″ – 0.005″
N	0.08 – 0.18	0.025	0.05 – 0.13	0.003″ – 0.007″	0.001″	0.002″ – 0.005″
U	0.05 – 0.38	0.130	0.05 – 0.13	0.005″ – 0.015″	0.005″	0.003″ – 0.010″

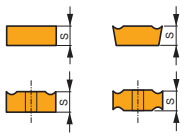


5	6	7		8	9		10
12	03	08				-	
12	03	ED		S	R		
5a	6a	7a		8	9		
4	2	2				-	
4	2	ED		S	R		

5 切削刃长度

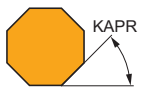
I.C. (mm)	I.C. (″)	H	O	P	S	T	C	D	E	M	V	W	R	K
3.97					03	06		04			06	02		
	5/32″	1.2″												
4.76					04	08	04	05	04	04	08	L3		
	3/16″	1.5″												
5.56					05	09	05	06	05	05	09	03		
	7/32″	1.8″												
6.35		03	02	04	08	11	06	07	08	08	11	04	06	
	1/4″	2″												
7.94		04	03	05	07	13	08	09	06	07	13	05	07	
	5/16″	2.5″												
9.525		05	04	07	09	16	09	11	09	09	16	06	09	19
	3/8″	3″												
12.7		07	05	09	12	22	12	15	13	12	22	08	12	
	1/2″	4″												
15.875		09	06	11	15	27	16	19	16	15	27	10	15	
	5/8″	5″												
19.05		11	07	13	19	33	19	23	19	19	33	13	19	
	3/4″	6″												
25.4		14	10	18	25	44	25	31	26	25	44	17	25	
	5/1″	8″												
31.75		18	13	23	31	54	32	38	32	31	54	21	31	
	1 1/4″	10″												

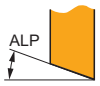
6 厚度



符号	S (mm)	S (″)
01	1.59	1/16″
T1	1.98	5/64″
02	2.38	3/32″
03	3.18	1/8″
T3	3.97	5.32″
04	4.76	3/16″
05	5.56	7/32″
06	6.35	1/4″
07	7.94	5/16″
09	9.52	3/8″

7 切削刃角度 后角



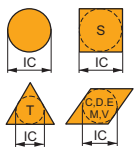


	KAPR		ALP
A	45°	A	3°
D	60°	B	5°
E	75°	C	7°
F	85°	D	15°
P	90°	E	20°
Z	非标	F	25°
		G	30°
		N	0°
		P	11°
		Z	非标

ZZ – 非标

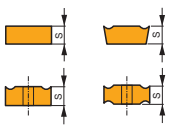
ANSI

5a 内切圆



符号	I.C. (mm)	I.C. (″)
1	3.175	1/8″
1.2	3.969	5/32″
1.5	4.763	3/16″
1.8	5.556	7/32″
2	6.350	1/4″
2.5	7.938	5/16″
3	9.525	3/8″
4	12.700	1/2″
5	15.875	5/8″
6	19.050	3/4″
7	22.225	7/8″
8	25.400	1″
10	31.750	5/4″
12	38.100	6/4″

6a 厚度



符号	S (mm)	S (″)
1	1.588	1/16″
1.2	1.984	5/64″
1.5	2.381	3/32″
2	3.175	1/8″
2.5	3.969	5/32″
3	4.763	3/16″
3.5	5.556	7/32″
4	6.350	1/4″
5	7.938	5/16″
6	9.525	3/8″
7	11.113	7/16″
8	12.700	1/2″
9	14.288	9/16″
10	15.875	5/8″

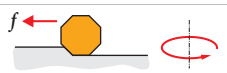
7a 刀尖圆角

符号	RE (mm)	RE (″)
0	0	0″
0.2	0.099	1/256″
0.5	0.198	1/128″
1	0.397	1/64″
2	0.794	1/32″
3	1.191	3/64″
4	1.588	1/16″
5	1.984	5/64″
6	2.381	3/32″
7	2.778	7/64″
8	3.175	1/8″
10	3.969	5/32″
12	4.763	3/16″
14	5.556	7/32″
16	6.350	1/4″

8 刃口处理

F	锋利刃口	E	刃口圆弧倒棱
T	刃口T型倒棱	S	刃口S型倒棱
K	刃口两次倒棱	P	刃口两次S型倒棱

9 进给方向

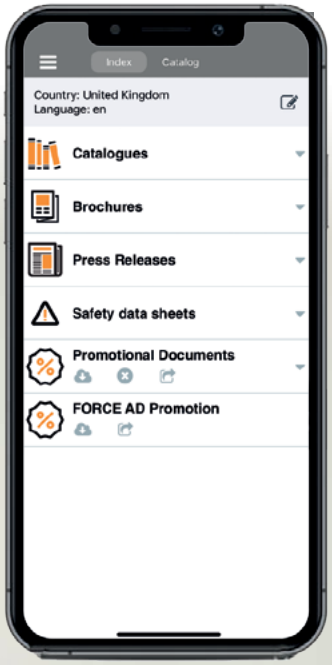
R		N	
L			

10 断屑槽类型

DORMER PRAMET

手册大全

包含为各个市场定制的所有手册，并且随时保持更新。您还在等什么？现在就去应用商店下载我们的Library应用程序吧！简单可靠。



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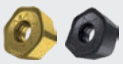
平面铣

平面铣

>>>

	SHN06C	SHN09C	SOD05	SOD06D	SOE06Z
	45°	45°	45°	45°	43°
	APMX (mm) 3.0	APMX (mm) 5.0	APMX (mm) 2.7 (10.0)	APMX (mm) 3.1 (8, 6)	APMX (mm) 3.3 (9.9)
	DC (mm) 25 – 125	DC (mm) 50 – 315	DCX (mm) 32 – 125	DC (mm) 63 – 160	DC (mm) 50 – 200
圆柱刀柄			DCX = 32 – 40 (mm)		
侧固刀柄	DC = 25 – 32 (mm)				
模块式刀柄	DC = 25 – 40 (mm)				
套式铣刀	DC = 40 – 125 (mm)		DCX = 40 – 125 (mm)		
页码	352	356	360	370	376
ISO	P M K H	P M K H	P M K N	P M K S H	P M N S
刀片形状					
刀片	HNGX 0604 XNGX 0604	HNGX 0906 XNGX 0906	OD.. 0505 RD.. 1205 SD.. 1205	OD.. 0605 RPE. 1505	OEHT 0604 REHT 1604 XEHT 0604
切削刃数量	12 / 1	12 / 1	8 / – / 4	8 / 1 / –	8 / – / 1
平面铣	■	■	■	■	■
倒角铣	■	■	■	■	■
螺旋插补			■		◪
连续钻铣	■	■	■		◪
坡走铣	■	■	■		◪
形面铣（仿形铣）			■		◪
浅方肩铣			■		
浅槽铣			■		
插铣			■		

■ 推荐使用 ◪ 可以使用

<<<

平面铣

	SOE09Z	SSE09	SSN12Z	SPN13	CHN09	FSB22X
	43°	45°	45°	57°	60°	60°
	APMX (mm) 5.0 (14.1)	APMX (mm) 4.5	APMX (mm) 6.5	APMX (mm) 10.0	APMX (mm) 6.0	APMX (mm) 15.0
	DC (mm) 80 – 315	DC (mm) 20 – 160	DC (mm) 50 – 250	DC (mm) 100 – 315	DC (mm) 80 – 125	DC (mm) 125 – 315
		DC = 20 – 32 (mm)				
		DC = 32 – 160 (mm)				
	383	389	393	397	401	405
ISO	P M N S	P M K S	P M K S	P M K S H	K	P M K
	OEHT 0906 REHT 2406 XEHT 0906	SE.T 09T3	SN.T 1205	PNM. 1308 XN.. 1308	HN.. 0905	SB.. 2207
	8 / – / 1	4	4	10 / 1	12	4 / 1
	■	■	■	■	■	■
	■	■	■			
	◩					
	◩					
	◩					
	◩					

■ 推荐使用　◩ 可以使用

SHN06C

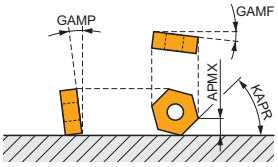
P M K H

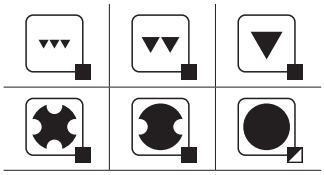
PRAMET S

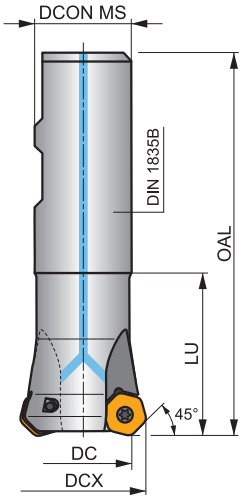
ECON HN06 45°面铣，具有双面负前角设计，带内冷

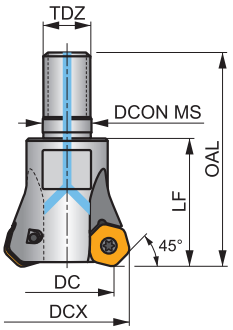
高效富有成效的45°面铣，使用双面HN..　06类型刀片，具有APMX(最大切深)3 mm。粗加工，精加工和倒角加工。经济型刀片，具有12个切削刃。不等齿距，侧固柄，模块夹紧系统和芯轴式类型可提供范围从Ø 25至Ø 125 mm。刀体经过处理，使用寿命更长。

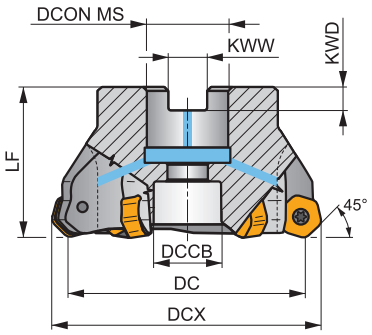
KAPR	45°
APMX	3.0 mm

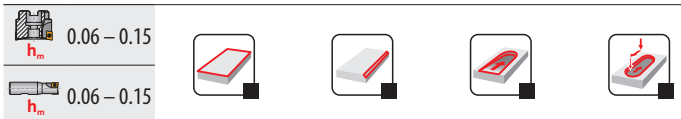












	产品型号	DC (mm)	DCX (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835B	25N2R042B25-SHN06C-C	25	32.2	99	25	–	42	–	–	–	–	-7	-7	2	–	17400	✓	0.36	GI204	FA010	–
	32N3R042B32-SHN06C-C	32	39.3	103	32	–	42	–	–	–	–	-7	-7	3	–	15400	✓	0.59	GI204	FA010	–
MODULAR	25N2R033M12-SHN06C-C	25	32.2	56	12.5	–	–	33	M12	–	–	-7	-7	2	–	–	✓	0.11	GI204	FA010	–
	32N3R043M16-SHN06C-C	32	39.3	66	17	–	–	43	M16	–	–	-7	-7	3	–	–	✓	0.26	GI204	FA010	–
	40N4R043M16-SHN06C-C	40	47.3	66	17	–	–	43	M16	–	–	-7	-7	4	✓	–	✓	0.28	GI204	FA010	–
	40A05R-S45HN06C-C	40	47.3	–	16	14	–	40	–	8.4	5.6	-7	-7	5	✓	13800	✓	0.37	GI204	FA012	–
	50A04R-S45HN06C-C	50	57.3	–	22	18	–	40	–	10.4	6.3	-7	-7	4	✓	12300	✓	0.62	GI204	FA013	–
	50A06R-S45HN06C-C	50	57.3	–	22	18	–	40	–	10.4	6.3	-7	-7	6	✓	12300	✓	0.41	GI204	FA013	–
	63A06R-S45HN06C-C	63	70.3	–	22	18	–	40	–	10.4	6.3	-7	-7	6	✓	11000	✓	0.56	GI204	FA013	–
	63A08R-S45HN06C-C	63	70.3	–	22	18	–	40	–	10.4	6.3	-7	-7	8	✓	11000	✓	0.69	GI204	FA013	–
ISO 6462 DIN 8030	80A07R-S45HN06C-C	80	86.8	–	27	38	–	50	–	12.4	7	-7	-7	7	✓	9700	✓	1.10	GI204	FA011	AC001
	80A10R-S45HN06C-C	80	86.8	–	27	38	–	50	–	12.4	7	-7	-7	10	✓	9700	✓	0.19	GI204	FA011	AC001
	100A08R-S45HN06C-C	100	107.1	–	32	45	–	50	–	14.4	8	-7	-7	8	✓	8700	✓	2.07	GI204	FA011	AC002
	100A12R-S45HN06C-C	100	107.1	–	32	45	–	50	–	14.4	8	-7	-7	12	✓	8700	✓	1.82	GI204	FA011	AC002
	125A10R-S45HN06C-C	125	132.2	–	40	56	–	63	–	16.4	9	-7	-7	10	✓	7800	✓	3.62	GI204	FA011	AC003
	125A16R-S45HN06C-C	125	132.2	–	40	56	–	63	–	16.4	9	-7	-7	16	✓	7800	✓	3.93	GI204	FA011	AC003

GI204	HNGX 0604AN..	XNGX 0604AN..

		Nm						
FA010	US 3007-T09P	2.0	M 3	7.3	–	–	Flag T09P	–
FA011	US 3007-T09P	2.0	M 3	7.3	D-T07P/T09P	FG-15	–	–
FA012	US 3007-T09P	2.0	M 3	7.3	D-T07P/T09P	FG-15	–	HS 0830C

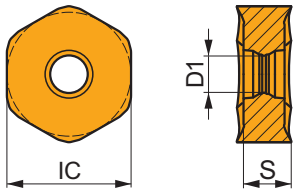
		Nm						
FA013	US 3007-T09P	2.0	M 3	7.3	D-T07P/T09P	FG-15	–	HS 1030C

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

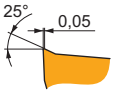
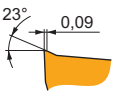
HNGX 06

PRAMET

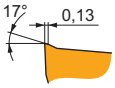
	IC (mm)	D1 (mm)	S (mm)
0604	10.500	3.70	4.76



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
F槽型，具有大正前角设计，适用于轻载加工。																				
HNGX 0604ANSN-F	**8215**	–	315	0.11	1.7	185	0.10	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	M6330	–	265	0.11	1.7	185	0.10	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	–	345	0.11	1.7	175	0.10	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	305	0.11	1.7	180	0.10	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	–	285	0.11	1.7	170	0.10	1.7	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	–	365	0.11	1.7	215	0.10	1.7	–	–	–	–	–	–	–	–	–	–	–	–
																				
M槽型，具有大正前角设计，适用于中等加工。																				
HNGX 0604ANSN-M	**8215**	–	300	0.13	2.0	180	0.13	2.0	285	0.13	2.0	–	–	–	–	–	–	–	–	–
	M5315	–	425	0.13	2.0	–	–	–	400	0.13	2.0	–	–	–	–	–	–	–	–	–
	M6330	–	255	0.13	2.0	180	0.13	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	–	325	0.13	2.0	165	0.13	2.0	305	0.13	2.0	–	–	–	–	–	–	–	–	–
	M8330	–	295	0.13	2.0	175	0.13	2.0	280	0.13	2.0	–	–	–	–	–	–	–	–	–
	M8340	–	265	0.13	2.0	155	0.13	2.0	250	0.13	2.0	–	–	–	–	–	–	–	–	–
	M9315	–	410	0.13	2.0	–	–	–	385	0.13	2.0	–	–	–	–	–	–	–	–	–
	M9325	–	375	0.13	2.0	–	–	–	355	0.13	2.0	–	–	–	–	–	–	–	–	–
	M9340	–	345	0.13	2.0	205	0.13	2.0	–	–	–	–	–	–	–	–	–	–	–	–

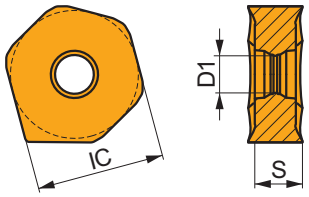
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			R槽型，具有大正前角设计，适用于中等加工到重载加工。																	
HNGX 0604ANSN-R	**8215**	–	■ 280	0.18	1.8	◪ 165	0.18	1.8	■ 265	0.18	1.8	–	–	–	–	–	–	◪ 55	0.15	1.0
	M5315	–	◪ 370	0.18	1.8	–	–	–	■ 350	0.18	1.8	–	–	–	–	–	–	◪ 70	0.15	1.0
	M8310	–	■ 300	0.18	1.8	◪ 150	0.18	1.8	■ 285	0.18	1.8	–	–	–	–	–	–	◪ 60	0.15	1.0
	M8330	–	■ 275	0.18	1.8	◪ 165	0.18	1.8	■ 260	0.18	1.8	–	–	–	–	–	–	◪ 55	0.15	1.0
	M8340	–	■ 250	0.18	1.8	◪ 150	0.18	1.8	◪ 235	0.18	1.8	–	–	–	–	–	–	–	–	–
	M9325	–	■ 345	0.18	1.8	–	–	–	■ 325	0.18	1.8	–	–	–	–	–	–	◪ 65	0.15	1.0

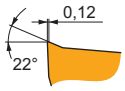
XNGX 06

PRAMET

	IC (mm)	D1 (mm)	S (mm)
0604	10.500	3.70	4.76

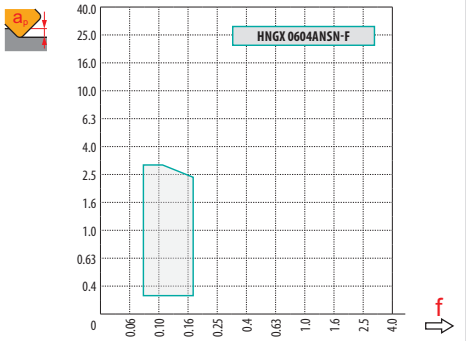


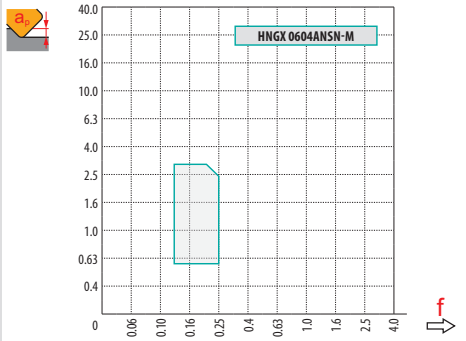
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

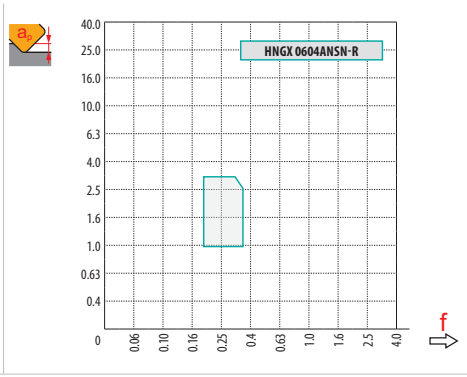
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			修光刃设计，适用于改善表面光洁度。																	
XNGX 0604ANSN	**8215**	–	■ 290	0.13	1.8	◪ 170	0.12	1.8	■ 275	0.13	1.8	–	–	–	–	–	–	–	–	–

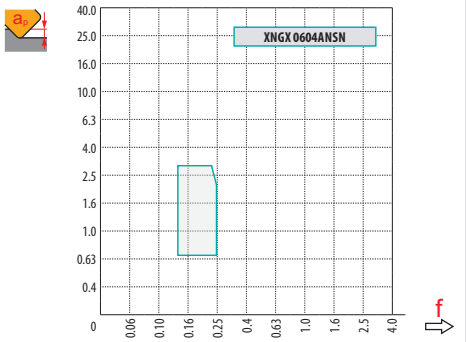
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	HNGX 06-F	HNGX 06-M	HNGX 06-R	XNGX 06
RE	–	–	–	–
BS	1.12	0.80	0.80	4.15









DC	X.V	f_{max}
25	1.31	0.24
32	1.36	0.28
40	1.40	0.31
50	1.45	0.35
63	1.49	0.39
80	1.54	0.44
100	1.59	0.49
125	1.64	0.55

DC	RPMX	APMX/I
25	2.7	3.0/65
32	1.9	3.0/89
40	1.5	2.5/100
50	1.1	1.9/100
63	0.9	1.4/100
80	0.6	1.0/100
100	0.5	0.8/100
125	0.4	0.6/100

a_p
0.9

SHN09C

P M K H

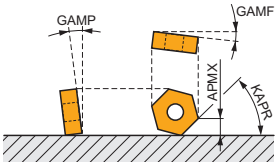
PRAMET

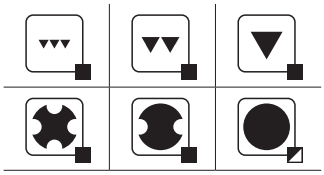
S

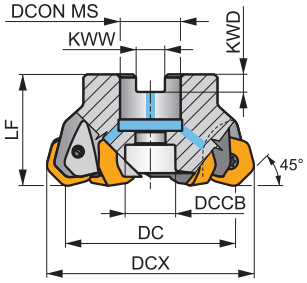
ECON HN09 45°面铣，具有双面负前角设计，带内冷

高效富有成效的45°面铣，使用双面HN..　09类型刀片，具有APMX(最大切深)5 mm。粗加工，精加工和倒角加工。经济型刀片，具有12个切削刃。不等齿距，只提供芯轴式类型，尺寸范围是从Ø 50至Ø 315 mm。刀体经过处理，使用寿命更长。

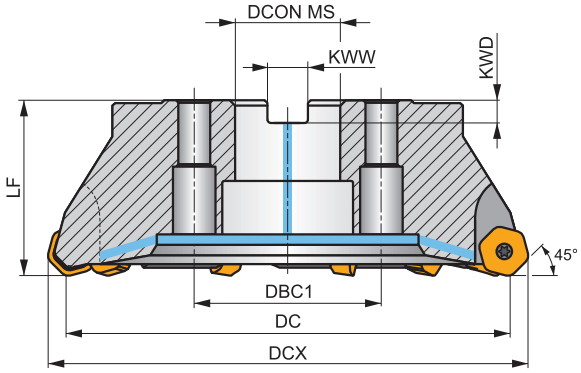
KAPR	45°
APMX	5.0 mm







DC 50 - 125 mm



DC 160 - 315 mm

h_m 0.08 – 0.25

	产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	50A04R-S45HN09C-CF	50	61.7	40	22	18	–	10.4	6.3	-7	-7	4	✓	7900	✓	0.38	GI252	FA023	–
	63A06R-S45HN09C-CF	63	74.7	40	22	18	–	10.4	6.3	-7	-7	6	✓	7000	✓	0.54	GI252	FA023	–
	80A06R-S45HN09C-CF	80	91.7	50	27	38	–	12.4	7	-7	-7	6	✓	6200	✓	1.06	GI252	FA021	AC001
	80A08R-S45HN09C-CF	80	91.7	50	27	38	–	12.4	7	-7	-7	8	✓	6200	✓	1.06	GI252	FA021	AC001
	100A06R-S45HN09C-CF	100	111.7	50	32	45	–	14.4	8	-7	-7	6	✓	5600	✓	1.76	GI252	FA021	AC002
	100A08R-S45HN09C-CF	100	111.7	50	32	45	–	14.4	8	-7	-7	8	✓	5600	✓	1.76	GI252	FA021	AC002
	100A10R-S45HN09C-CF	100	111.7	50	32	45	–	14.4	8	-8	-7	10	–	5600	✓	1.76	GI252	FA021	AC002
	125A06R-S45HN09C-CF	125	136.7	63	40	56	–	16.4	9	-7	-7	6	✓	5000	✓	3.36	GI252	FA021	AC003
ISO 6462 DIN 8030	**125A08R-S45HN09C-CF**	125	136.7	63	40	56	–	16.4	9	-7	-7	8	✓	4900	✓	3.72	GI252	FA021	AC003
	125A10R-S45HN09C-CF	125	136.7	63	40	56	–	16.4	9	-7	-7	10	✓	5000	✓	3.36	GI252	FA021	AC003
	125A12R-S45HN09C-CF	125	136.7	63	40	56	–	16.4	9	-8	-7	12	–	5000	✓	3.36	GI252	FA021	AC003
	160C08R-S45HN09C-CF	160	171.7	63	40	–	66.7	16.4	9	-7	-7	8	✓	4400	✓	6.30	GI252	FA026	–
	160C12R-S45HN09C-CF	160	171.7	63	40	–	66.7	16.4	9	-7	-7	12	✓	4400	✓	6.46	GI252	FA026	–
	160C14R-S45HN09C-CF	160	171.7	63	40	–	66.7	16.4	9	-7	-7	14	✓	4400	✓	6.45	GI252	FA026	–
	200C10R-S45HN09C-CF	200	211.7	63	60	–	101.6	25.7	14	-7	-7	10	✓	3900	✓	11.37	GI252	FA027	–
	250C14R-S45HN09C-CF	250	261.7	63	60	–	101.6	25.7	14	-7	-7	14	✓	3500	✓	18.50	GI252	FA028	–
	315C16R-S45HN09C-CF	315	326.7	80	60	–	101.6	25.7	14	-7	-7	16	✓	3100	✓	37.00	GI252	FA029	–

GI252	HNGX 0906AN..	XNGX 0906AN..

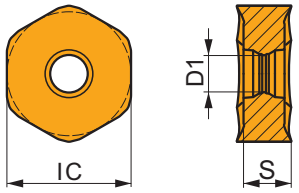
		Nm											
FA021	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	–	–	–	–	–	–
FA023	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1030C	–	–	–	–	–
FA026	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1240C	CAC 160C	HSD 0825C	HXK 5	–	–
FA027	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1655C	CAC 200C	HSD 1025C	HXK 7	–	–
FA028	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1655C	CAC 250C	HSD 1025C	HXK 7	–	–
FA029	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1655C	CAC 315C	HSD 1035C	HXK 7	CACP 3150C	RRH 34

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

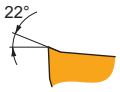
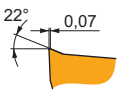
HNGX 09

PRAMET

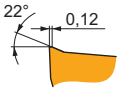
	IC (mm)	D1 (mm)	S (mm)
0906	16.500	4.90	6.35

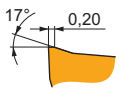


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			FF槽型，具有大正前角设计，适用于轻载加工。																	
HNGX 0906ANEN-FF	**8215**	–	345	0.10	1.0	205	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	335	0.10	1.0	200	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	–	405	0.10	1.0	240	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
			F槽型，具有大正前角设计，适用于轻载到中等加工。																	
HNGX 0906ANSN-F	**8215**	–	300	0.12	2.1	180	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–
	M6330	–	255	0.12	2.1	180	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	–	330	0.12	2.1	165	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	300	0.12	2.1	180	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	–	270	0.12	2.1	160	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
HNGX 0906ANSN-M	**8215**	–	255	0.20	2.7	150	0.18	2.7	240	0.20	2.7	–	–	–	–	–	–	–	–	–
	M5315	–	340	0.20	2.7	–	–	–	320	0.20	2.7	–	–	–	–	–	–	–	–	–
	M6330	–	205	0.20	2.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	–	280	0.20	2.7	140	0.18	2.7	265	0.20	2.7	–	–	–	–	–	–	–	–	–
	M8330	–	255	0.20	2.7	150	0.18	2.7	240	0.20	2.7	–	–	–	–	–	–	–	–	–
	M8340	–	235	0.20	2.7	140	0.18	2.7	220	0.20	2.7	–	–	–	–	–	–	–	–	–
	M9315	–	340	0.20	2.7	–	–	–	320	0.20	2.7	–	–	–	–	–	–	–	–	–
	M9325	–	315	0.20	2.7	–	–	–	295	0.20	2.7	–	–	–	–	–	–	–	–	–
	M9340	–	290	0.20	2.7	170	0.18	2.7	–	–	–	–	–	–	–	–	–	–	–	–



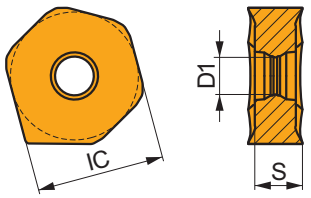
R槽型，具有正前角设计，适用于中等加工到重载加工。

HNGX 0906ANSN-R	**8215**	–	240	0.25	3.0	140	0.25	3.0	225	0.25	3.0	–	–	–	–	–	–	45	0.15	1.0
	M5315	–	305	0.25	3.0	–	–	–	285	0.25	3.0	–	–	–	–	–	–	60	0.15	1.0
	M8310	–	260	0.25	3.0	130	0.25	3.0	245	0.25	3.0	–	–	–	–	–	–	50	0.15	1.0
	M8330	–	240	0.25	3.0	140	0.25	3.0	225	0.25	3.0	–	–	–	–	–	–	45	0.15	1.0
	M8340	–	220	0.25	3.0	130	0.25	3.0	205	0.25	3.0	–	–	–	–	–	–	–	–	–
	M9315	–	310	0.25	3.0	–	–	–	290	0.25	3.0	–	–	–	–	–	–	60	0.15	1.0
	M9325	–	295	0.25	3.0	–	–	–	280	0.25	3.0	–	–	–	–	–	–	55	0.15	1.0

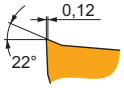
XNGX 09

PRAMET

	IC (mm)	D1 (mm)	S (mm)
0906	16.500	4.90	6.35

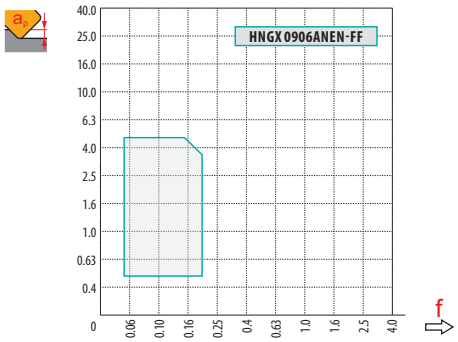


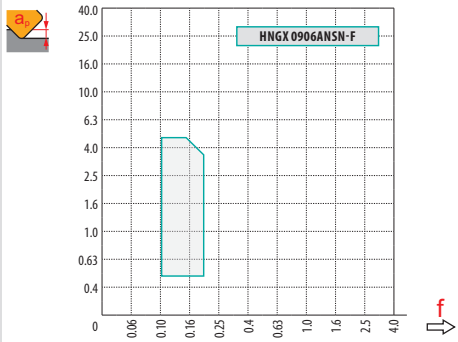
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

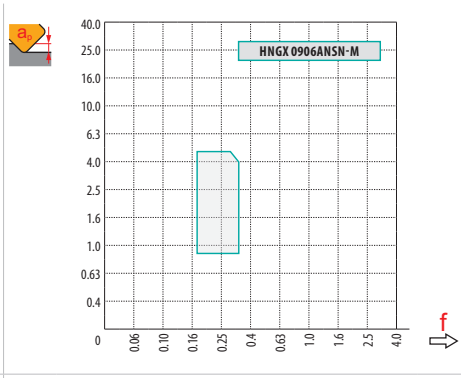
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
XNGX 0906ANSN	**8215**	–	245	0.20	2.7	145	0.18	2.7	230	0.20	2.7	–	–	–	–	–	–	–	–	–
	M8330	–	245	0.20	2.7	145	0.18	2.7	230	0.20	2.7	–	–	–	–	–	–	–	–	–

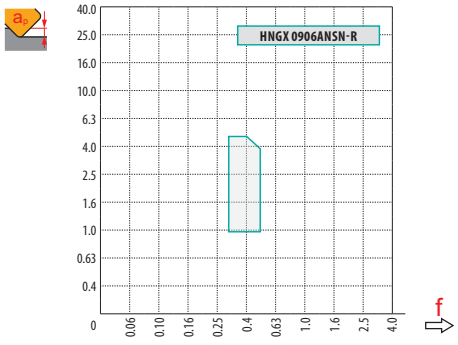
a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

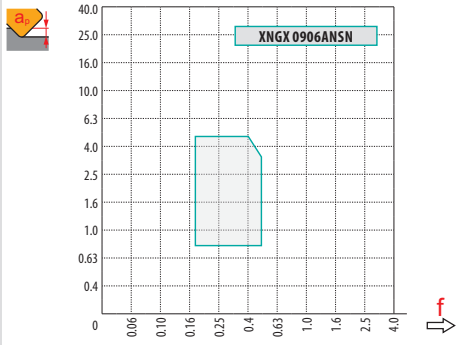
	HNGX 09-FF	HNGX 09-F	HNGX 09-M	HNGX 09-R	XNGX 09
RE	–	–	–	–	–
BS	1.50	1.17	1.17	1.17	7.53











DC	X.V	f_{max}
50	1.35	0.36
63	1.39	0.40
80	1.44	0.45
100	1.48	0.51
125	1.53	0.57
160	1.58	0.64
200	1.63	0.72
250	1.68	0.80
315	1.74	0.90

DC	RPMX	APMX/l
50	2.1	3.5/100
63	1.5	2.5/100
80	1.1	1.8/100
100	0.9	1.4/100
125	0.7	1.1/100
160	0.5	0.7/100

a_p
1.9

SOD05

P M K N

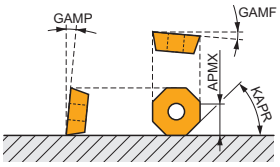
PRAMET

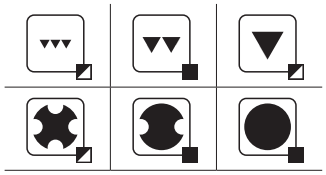
S

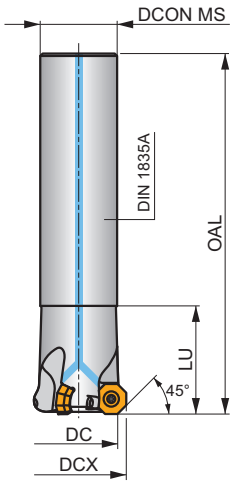
通用面铣，具有正前角设计，带内冷

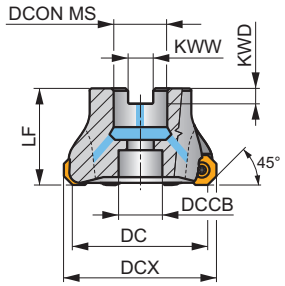
高效富有成效的通用面铣，使用单面正前角刀片，具有APMX(最大切深)至10 mm。独特的刀片座适合OD.. 05，RD.. 12和SD.. 12类型刀片，适合于广泛的应用。不等齿距，芯轴式和圆柱柄类型，尺寸范围从Ø 32至Ø 125 mm。刀体经过处理，使用寿命更长。

KAPR	45°
APMX	2.7 (10.0) mm









h_m 0.03 – 0.15

h_m 0.03 – 0.12

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	KAPR (°)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835A	**32N3R045A25-SOD05-C**	32	24.7	130	25	–	45	–	45	–	–	-10	8	3	–	17700	✓	0.41	GI326	FA049	–
	40N3R045A32-SOD05-C	40	32.6	150	32	–	45	–	45	–	–	-7	8	3	–	15800	✓	0.86	GI326	FA040	–
	40A03R-S45OD05-C	40	32.7	–	16	14	–	40	45	8.4	5.6	-10	8	3	–	15800	✓	0.19	GI326	FA042	–
	50A04R-S45OD05-C	50	42.6	–	22	18	–	40	45	10.4	6.3	-7	8	4	–	14100	✓	0.28	GI326	FA043	–
	50A05R-S45OD05-C	50	42.6	–	22	18	–	40	45	10.4	6.3	-7	8	5	–	14100	✓	0.28	GI326	FA043	–
ISO 6462 DIN 8030	**63A05R-S45OD05-C**	63	55.6	–	22	18	–	40	45	10.4	6.3	-7	8	5	✓	12600	✓	0.39	GI326	FA043	–
	63A06R-S45OD05-C	63	55.6	–	22	18	–	40	45	10.4	6.3	-7	8	6	✓	12600	✓	0.40	GI326	FA043	–
	80A06R-S45OD05-C	80	72.6	–	27	38	–	50	45	12.4	7	-7	8	6	✓	11100	✓	0.73	GI326	FA041	AC001
	80A08R-S45OD05-C	80	72.6	–	27	38	–	50	45	12.4	7	-7	8	8	✓	11100	✓	0.66	GI326	FA041	AC001
	100A07R-S45OD05-C	100	92.6	–	32	45	–	50	45	14.4	8	-7	8	7	✓	10000	✓	1.09	GI326	FA041	AC002
	125A08R-S45OD05-C	125	117.6	–	40	56	–	63	45	16.4	9	-7	8	8	✓	8900	✓	2.20	GI326	FA041	AC003

GI326	OD.. 0505..	RD.. 1205..	SDKT 1205..	SDMT 1205..SN

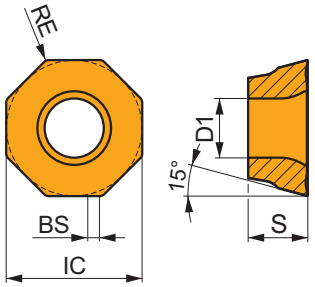
		Nm					
FA040	US 45014-T20P	5.0	M 5	13	Flag T20P	–	–
FA041	US 45014-T20P	5.0	M 5	13	–	SDR T20P-T	–
FA042	US 45014-T20P	5.0	M 5	13	–	SDR T20P-T	HS 90835
FA043	US 45014-T20P	5.0	M 5	13	–	SDR T20P-T	HS 1030C
FA049	US 45011-T20P	5.0	M 5	11	Flag T20P	–	–

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

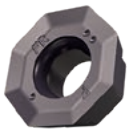
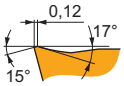
ODKT 05IM

PRAMET

	IC (mm)	D1 (mm)	S (mm)	BS (mm)
0505	12.700	5.50	5.56	1.00



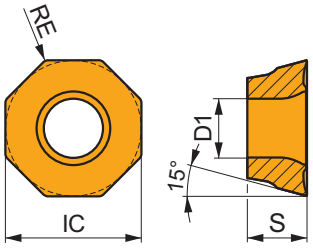
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			F槽型，45°面铣削刀片，具有大正前角设计，适用于轻载加工。																	
ODKT 0505ADFR-F	**M8310**	0.8	■ 275	0.15	2.5	◪ 140	0.14	2.5	–	–	–	–	–	–	–	–	–	–	–	–
			FM槽型，45°面铣削刀片，具有前角设计，适用于轻载到中等加工。																	
ODKT 0505ADSR-FM	**M6330**	0.8	■ 190	0.25	2.5	■ 135	0.23	2.5	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	0.8	■ 240	0.25	2.5	◪ 120	0.23	2.5	◪ 225	0.25	2.5	–	–	–	–	–	–	–	–	–
	M8330	0.8	■ 225	0.25	2.5	■ 135	0.23	2.5	◪ 210	0.25	2.5	–	–	–	–	–	–	–	–	–
	M8345	0.8	■ 160	0.25	2.5	■ 95	0.23	2.5	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	0.8	■ 245	0.25	2.5	■ 145	0.23	2.5	–	–	–	–	–	–	–	–	–	–	–	–

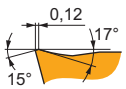
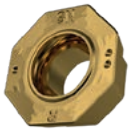
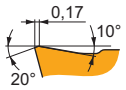
ODMT 05IM

PRAMET

	IC (mm)	D1 (mm)	S (mm)
0505	12.700	5.50	5.56



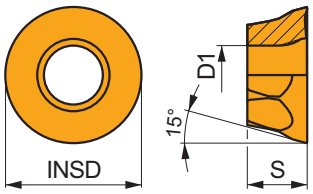
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
FM槽型，45°面铣削刀片，具有前角设计，适用于轻载到中等加工。																				
ODMT 0505ADSR-FM	M8340	0.8	200	0.25	2.5	120	0.23	2.5	190	0.25	2.5	–	–	–	–	–	–	–	–	–
	M9340	0.8	245	0.25	2.5	145	0.23	2.5	–	–	–	–	–	–	–	–	–	–	–	–
																				
R槽型，45°面铣削刀片，具有正前角设计，适用于不稳定的工况。																				
ODMT 050508SN-R	M8330	0.8	190	0.25	2.5	–	–	–	180	0.25	2.5	–	–	–	–	–	–	–	–	–
	M9340	0.8	210	0.25	2.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

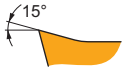
RDGT 12IM

PRAMET

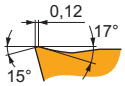
	INSD (mm)	D1 (mm)	S (mm)
1205	12.7	5.50	5.56



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
F槽型，具有大正前角设计，适用于轻载加工。																				
RDGT 120500FN-F	M8310	–	210	0.20	1.5	105	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–

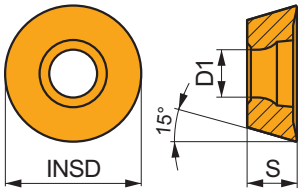
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
FM槽型，具有前角设计，适用于轻载到中等加工。																				
RDGT 120500SN-FM	**M8330**	–	■ 190	0.20	1.5	◪ 110	0.18	1.5	◪ 180	0.20	1.5	–	–	–	–	–	–	–	–	–
	M8345	–	■ 140	0.20	1.5	◪ 80	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–

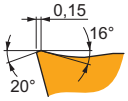
RDMT 12IM

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
1205	12.7	5.50	5.56



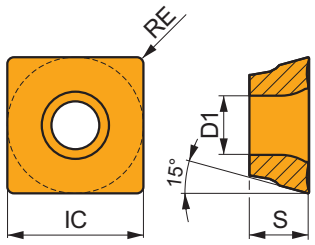
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
R槽型，仿形和轮廓铣削刀片，具有正前角设计，适用于不稳定的工况。																				
RDMT 120500SN-R	**M8330**	–	■ 175	0.30	1.5	–	–	–	■ 165	0.30	1.5	–	–	–	–	–	–	–	–	–
	M8340	–	■ 160	0.30	1.5	–	–	–	◪ 150	0.30	1.5	–	–	–	–	–	–	–	–	–
	M9340	–	■ 190	0.30	1.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

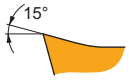
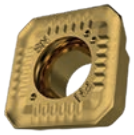
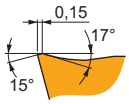
SDKT 12IM

PRAMET

	IC (mm)	D1 (mm)	S (mm)
1205	12.700	5.50	5.56



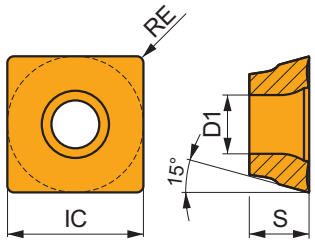
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			F																	
			F槽型，90°方肩铣削刀片，具有大正前角设计，适用于轻载加工。																	
SDKT 1205PDFR-F	8215	0.8	■ 285	0.10	4.0	◪ 170	0.09	4.0	–	–	–	◪ 855	0.12	4.0	–	–	–	–	–	–
			1 U S																	
			FM槽型，90°方肩铣削刀片，具有前角设计，适用于轻载到中等加工。																	
SDKT 1205AESN-FM	M6330	–	■ 240	0.15	4.0	◪ 170	0.15	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	■ 280	0.15	4.0	◪ 165	0.15	4.0	◪ 265	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8345	–	■ 205	0.15	4.0	◪ 120	0.15	4.0	–	–	–	–	–	–	–	–	–	–	–	–
SDKT 1205PDSR-FM	M8330	0.8	■ 255	0.15	4.0	◪ 150	0.15	4.0	◪ 240	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8345	0.8	■ 185	0.15	4.0	◪ 110	0.15	4.0	–	–	–	–	–	–	–	–	–	–	–	–

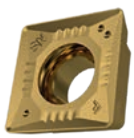
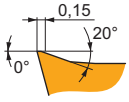
SDMT 12IM

PRAMET

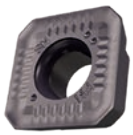
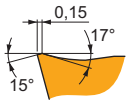
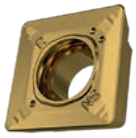
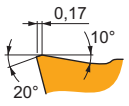
	IC (mm)	D1 (mm)	S (mm)
1205	12.700	5.50	5.56



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			S																	
			F槽型，90°方肩铣削刀片，具有前角设计，适用于轻载到中等加工。																	
SDMT 120508SN-F	M8310	0.8	■ 265	0.15	4.0	◪ 135	0.15	4.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.8	■ 245	0.15	4.0	◪ 145	0.15	4.0	–	–	–	◪ 735	0.18	4.0	–	–	–	–	–	–

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

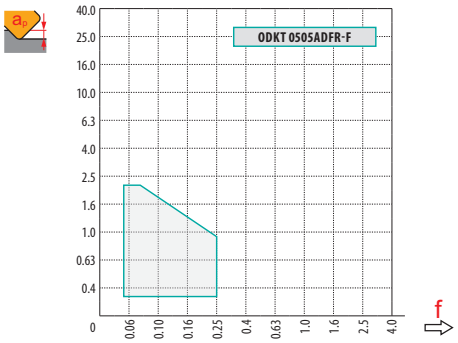
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			S																	
			FM槽型，90°方肩铣削刀片，具有正前角设计，适用于中等加工。																	
SDMT 120508SN-FM	M8345	0.8	■ 175	0.15	4.0	◪ 105	0.15	4.0	–	–	–	–	–	–	–	–	–	–	–	–
				S																
			R槽型，90°方肩铣削刀片，具有正前角设计，适用于不稳定的工况。																	
SDMT 120508SN-R	M8330	0.8	■ 225	0.20	4.0	–	–	–	■ 210	0.20	4.0	–	–	–	–	–	–	–	–	–
	M8345	0.8	■ 165	0.20	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	0.8	■ 250	0.20	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SDMT 1205AESN-R	M8330	–	■ 265	0.20	4.0	–	–	–	■ 250	0.20	4.0	–	–	–	–	–	–	–	–	–
	M8340	–	■ 240	0.20	4.0	–	–	–	◪ 225	0.20	4.0	–	–	–	–	–	–	–	–	–

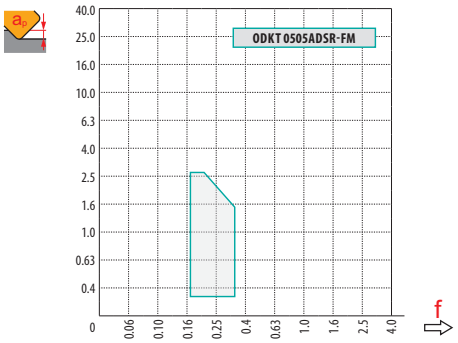
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

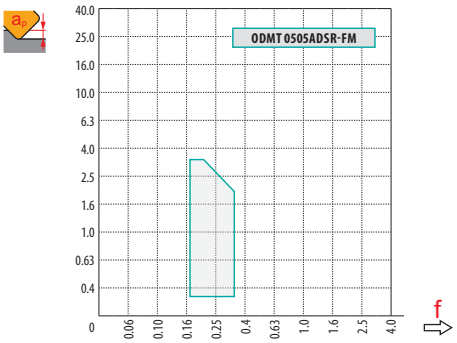
	ODKT 05-F	ODKT 05-FM	ODMT 05-FM	ODMT 05-R
RE	0.4	0.8	0.8	0.8
BS	1.00	1.00	–	–

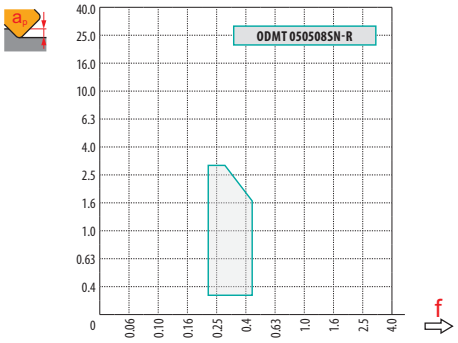
	RDGT 12-F	RDGT 12-FM	RDGT 12-R
RE	6.35	6.35	6.35
BS	–	–	–

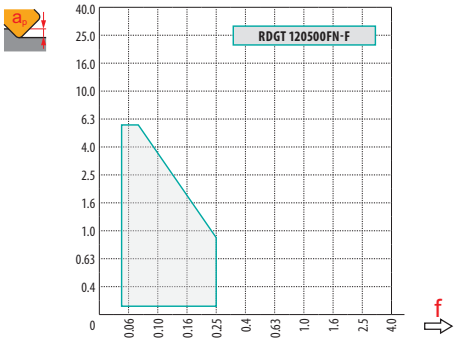
	SDKT 12-F	SDKT 12-FM	SDMT 12-F	SDMT 12-R
RE	0.8	0.8	0.8	0.8
BS	2.30	2.30	–	–

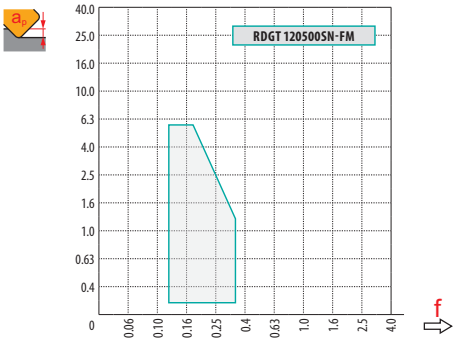


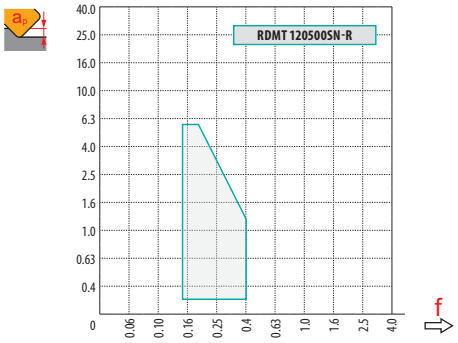


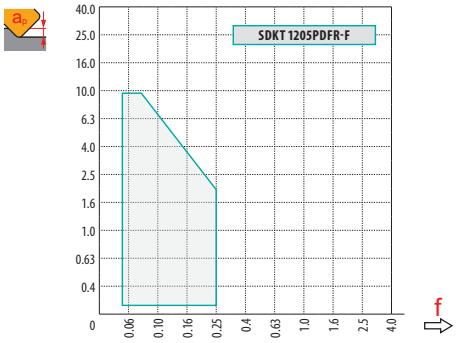


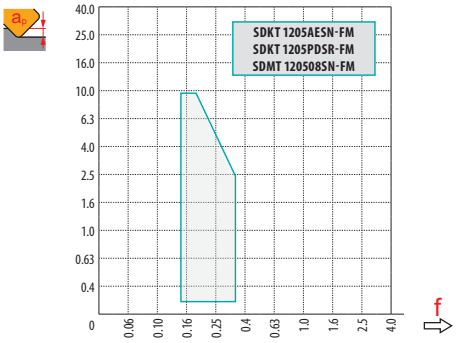


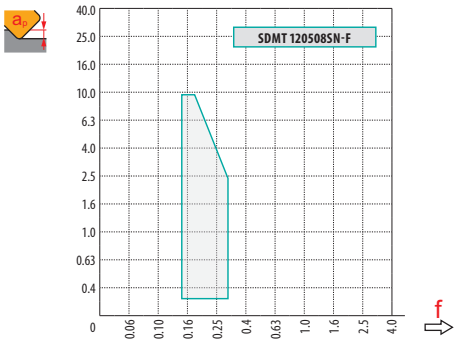


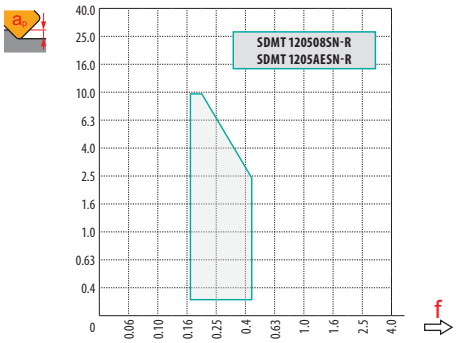












DCX	a_p	R											
		0.25	0.50	0.60	0.70	0.80	1.00	1.25	1.50	2.00	3.00	4.00	5.00	6.00
32	DEF	23.43	24.80	25.23	25.62	25.99	26.63	27.33	27.94	28.94	30.39	31.31	31.83	32.00
40		31.43	32.80	33.23	33.62	33.99	34.63	35.33	35.94	36.94	38.39	39.31	39.83	40.00
50		41.43	42.80	43.23	43.62	43.99	44.63	45.33	45.94	46.94	48.39	49.31	49.83	50.00
63		54.43	55.80	56.23	56.62	56.99	57.63	58.33	58.94	59.94	61.39	62.31	62.83	63.00
80		71.43	72.80	73.23	73.62	73.99	74.63	75.33	75.94	76.94	78.39	79.31	79.83	80.00
100		91.43	92.80	93.23	93.62	93.99	94.63	95.33	95.94	96.94	98.39	99.31	99.83	100.00
125		116.43	117.80	118.23	118.62	118.99	119.63	120.33	120.94	121.94	123.39	124.31	124.83	125.00

DCX	X.V	f_{max}
32	1.36	0.28
40	1.40	0.31
50	1.43	0.33
63	1.47	0.37
80	1.52	0.42
100	1.57	0.47
125	1.62	0.52

S

a_{emax}
10.0

S

a_p	1.0	5.0	10.0
1 f	0.35	0.21	0.15

O

DCX	RPMX	APMX/l
50	4.1	7.05/100
63	2.7	4.6/100
80	1.8	3/100
100	1.7	2.85/100
125	0.7	1.1/100

R

DCX	RPMX	APMX/l
50	3.8	6.2/95
63	2.5	4.25/100
80	1.7	2.85/100
100	1.6	2.65/100
125	0.3	0.4/100

O

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
50	78.0	100.0	4.5	4.5
63	105.0	126.0	4.5	4.5
80	138.0	160.0	4.5	4.5
100	178.0	200.0	4.5	4.5
125	229.0	250.0	4.0	4.5

R

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
50	78.0	100.0	4.5	4.5
63	105.0	126.0	4.5	4.5
80	138.0	160.0	4.5	4.5
100	178.0	200.0	4.5	4.5
125	230.0	250.0	4.0	4.5

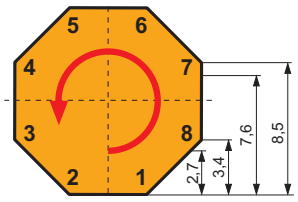
	O	R
a_p	2.4	2.3

R

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
32	FE	0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
100		1.095	1.414	2.000	2.449	2.828	3.464	4.000	4.472	4.899	5.657	6.325
125		1.225	1.581	2.236	2.739	3.162	3.873	4.472	5.000	5.477	6.325	7.071

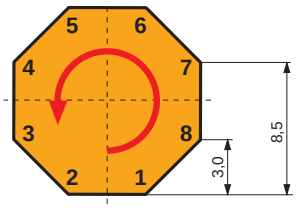
RE	µm	3	5	10	15	20	30	40	50	60	80	100
6.0	FE	0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191

ODKT 05



a_p	
–> 2.7	8
–> 3.4	7
–> 7.6	4
–> 8.5	2

ODMT 05



a_p	
–> 3.0	8
–> 8.5	4

SOD06D

P M K S H

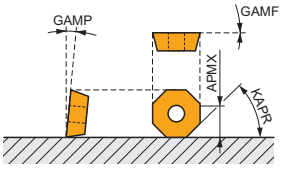
PRAMET

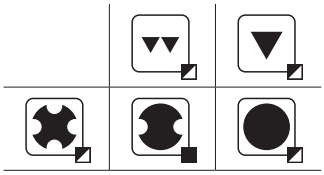
S

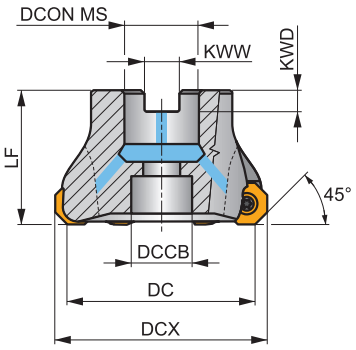
通用面铣，具有正前角设计，带内冷

高效富有成效的通用面铣，使用单面正前角刀片，具有APMX(最大切深)可达3.5 mm。独特的刀片座适合OD.. 06和RP.. 15类型刀片，适合面铣和倒角加工。只提供芯轴式类型，尺寸范围是从Ø 63至Ø 160 mm，具有不等齿距，刀体经过处理，使用寿命更长。

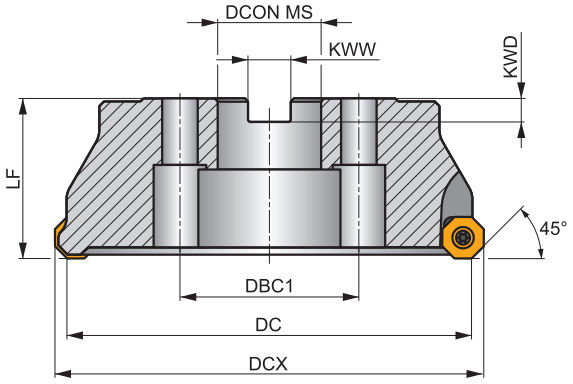
KAPR	45°
APMX	3.1 (8.6) mm







DC 63 - 125 mm



DC 160 mm

h_m 0.12 – 0.22

	产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
ISO 6462 DIN 8030	**63A05R-S450D06D**	63	72.5	40	22	18	–	10.4	6.3	0	5	5	✓	8800	✓	0.60	GI059	FA071
	80A06R-S450D06D	80	89.5	50	27	20	–	12.4	7	0	5	6	✓	7800	✓	1.25	GI059	FA071
	100A07R-S450D06D	100	109.5	50	32	27	–	14.4	8	0	5	7	✓	7000	✓	2.09	GI059	FA071
	125A08R-S450D06D	125	134.5	63	40	33	–	16.4	9	0	5	8	✓	6300	✓	4.18	GI059	FA071
	160C09R-S450D06D	160	169.5	63	40	56	66.7	16.4	9	0	5	9	✓	5500	–	6.49	GI059	FA071

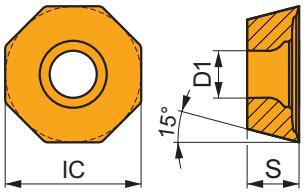
GI059	OD.. 0605ZZ..	RP.. 1505M0..

FA071	US 4511-T20	5.0 Nm	M 4.5	11	SDR T20-T

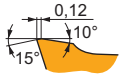
ODMT 06

PRAMET

	IC	D1	S
	(mm)	(mm)	(mm)
0605	15.875	5.50	5.56



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

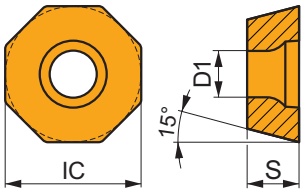
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
ODMT 0605ZZN	M5315	–	255	0.24	3.0	–	–	–	240	0.24	3.0	–	–	–	–	–	–	–	–	–
	M8330	–	200	0.24	3.0	–	–	–	190	0.24	3.0	–	–	–	–	–	–	–	–	–
	M8340	–	185	0.24	3.0	–	–	–	175	0.24	3.0	–	–	–	–	–	–	–	–	–
	M9315	–	260	0.24	3.0	–	–	–	245	0.24	3.0	–	–	–	–	–	–	–	–	–
	M9325	–	245	0.24	3.0	–	–	–	230	0.24	3.0	–	–	–	–	–	–	–	–	–

很小的正前角设计，45°面铣削刀片，适用于中等加工。

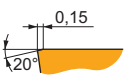
ODEW 06

PRAMET

	IC	D1	S
	(mm)	(mm)	(mm)
0605	15.875	5.50	5.56



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

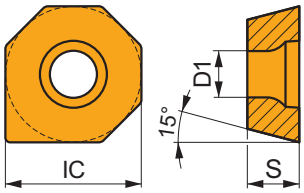
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
ODEW 0605ZZN	M8330	–	210	0.26	2.5	–	–	–	195	0.26	2.5	–	–	–	–	–	–	40	0.15	1.0

平板设计，45°面铣削刀片，适用于中等加工。

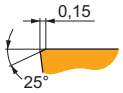
ODMX 06

PRAMET

	IC (mm)	D1 (mm)	S (mm)
0605	15.875	5.50	5.56



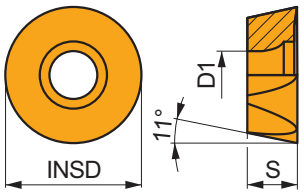
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			W S																	
			修光刃设计，适用于改善表面光洁度。																	
ODMX 0605ZZ	M8330	–	205	0.28	2.5	–	–	–	190	0.28	2.5	–	–	–	–	–	–	40	0.15	1.0

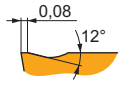
RPET 15

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
1505	15.8	5.50	5.56

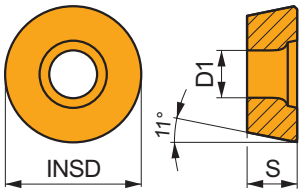


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

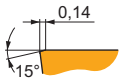
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			HFC S																	
			M槽型，仿形和轮廓铣削刀片，具有正前角设计，适用于轻载到粗加工。																	
RPET 1505MOS-M	M8330	–	230	0.40	1.0	135	0.36	1.0	215	0.40	1.0	–	–	–	55	0.28	0.8	–	–	–
	M8340	–	210	0.40	1.0	125	0.36	1.0	195	0.40	1.0	–	–	–	50	0.28	0.8	–	–	–

RPEW 15

	INSD	D1	S
	(mm)	(mm)	(mm)
1505	15.8	5.50	5.56

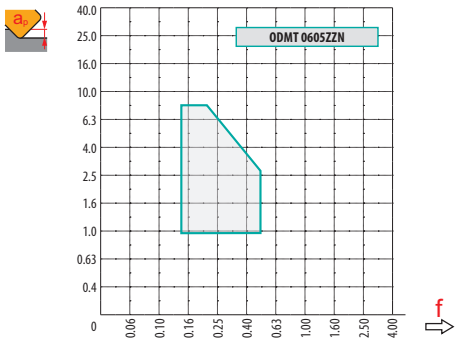


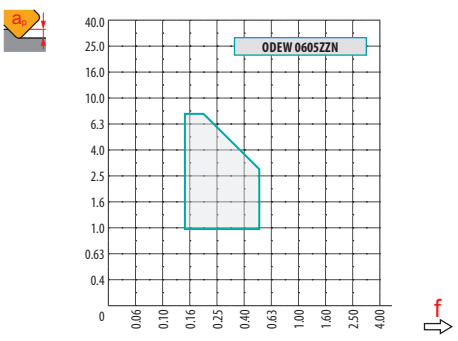
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

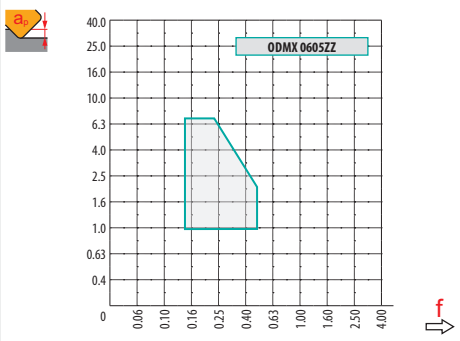
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC S																	
			平板设计，仿形和轮廓铣削刀片，适用于中等加工。																	
RPEW 1505M0S	**M8330**	–	◪ 300	0.20	1.0	–	–	–	■ 285	0.20	1.0	–	–	–	–	–	–	◪ 60	0.15	1.0

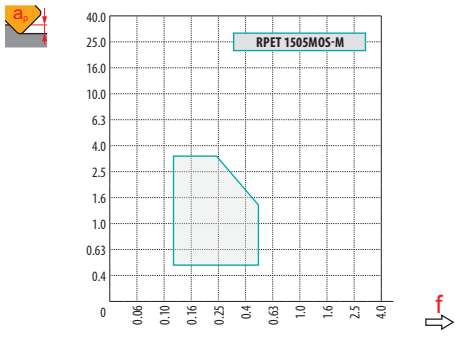
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

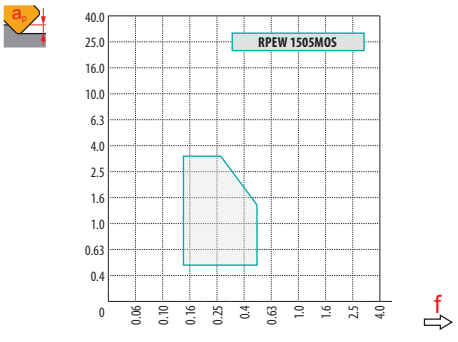
	ODMT 06	ODEW 06	ODMX 06	RPET 15-M	RPEW 15
RE	–	–	–	7.89	7.89
BS	1.73	5.92	9.91	–	–







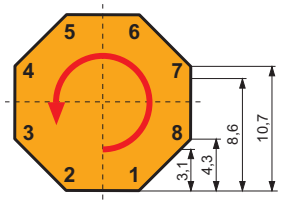




R

DC	a_p	0.00	0.50	0.75	1.25	1.50	2.00	2.50	3.00	4.00
63	DEF	56.63	62.17	63.36	65.18	65.91	67.16	68.19	69.05	70.41
80		73.63	79.17	80.36	82.18	82.91	84.16	85.19	86.05	87.41
100		93.63	99.17	100.36	102.18	102.91	104.16	105.19	106.05	107.41
125		118.63	124.17	125.36	127.18	127.91	129.16	130.19	131.05	132.41
160		153.63	159.17	160.36	162.18	162.91	164.16	165.19	166.05	167.41

DC	X.V	f_{max}
63	1.49	0.78
80	1.54	0.88
100	1.59	0.98
125	1.64	1.10
160	1.70	1.24



a_p	
–> 3.1	8
–> 4.3	7
–> 8.6	4
–> 10.7	2

SOE06Z

P M N S

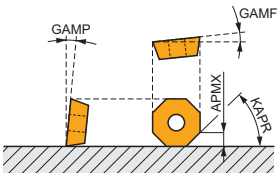
PRAMET

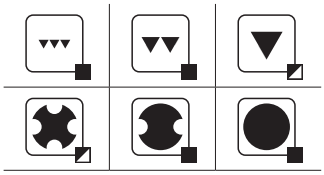
S

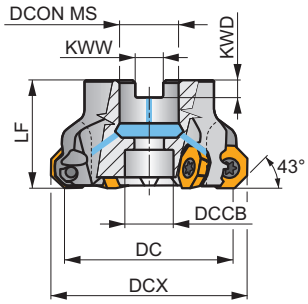
通用面铣，具有正前角设计，带内冷

高效富有成效的通用面铣，使用正前角单面刀片，具有APMX(最大切深)4 mm，RE.. 16。独特的刀片座适合OE.. 06，RE.. 16和XE.. 06类型刀片，适用范围广泛。只提供芯轴式类型，尺寸范围是从Ø 50至Ø 200 mm，具有不等齿距，刀体经过处理，使用寿命更长。

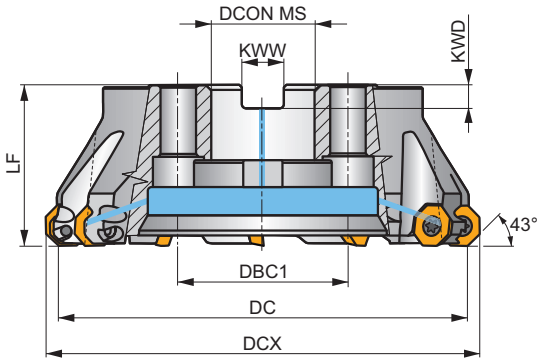
KAPR	43°
APMX	3.3 (9.9) mm







DC 50 – 125 mm



DC 160 – 200 mm

h_m 0.06 – 0.20

	产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	50A04R-S45OE06Z-C	50	60.2	40	22	18	–	10.4	6.3	6	10	4	✓	10700	✓	0.48	GI283	FA053	–
	50A05R-S45OE06Z-C	50	60	40	22	18	–	10.4	6.3	1	10	5	✓	10700	✓	0.48	GI283	FA053	–
	56A05R-S45OE06Z-C	56	66	40	22	18	–	10.4	6.3	6	10	5	✓	10100	✓	0.54	GI283	FA053	–
	63A04R-S45OE06Z-C	63	73.2	40	22	18	–	10.4	6.3	6	10	4	✓	9600	✓	0.59	GI283	FA053	–
	63A06R-S45OE06Z-C	63	73	40	22	18	–	10.4	6.3	1	10	6	✓	9600	✓	0.61	GI283	FA053	–
	70A06R-S45OE06Z-C	70	80	40	22	18	–	10.4	6.3	6	10	6	✓	9100	✓	0.69	GI283	FA053	–
	80A05R-S45OE06Z-C	80	90.2	50	27	38	–	12.4	7	6	10	5	✓	8500	✓	1.03	GI283	FA051	AC001
	80A06R-S45OE06Z-C	80	90.2	50	27	38	–	12.4	7	6	10	6	✓	8500	✓	1.07	GI283	FA051	AC001
ISO 6462 DIN 8030	**90A07R-S45OE06Z-C**	90	100	50	32	45	–	14.4	8	6	10	7	✓	8000	✓	1.63	GI283	FA051	AC002
	100A06R-S45OE06Z-C	100	110.2	50	32	45	–	14.4	8	6	10	6	✓	7600	✓	1.90	GI283	FA051	AC002
	100A08R-S45OE06Z-C	100	109.9	50	32	45	–	14.4	8	1	10	8	✓	7600	✓	1.92	GI283	FA051	AC002
	125A07R-S45OE06Z-C	125	135.2	63	40	56	–	16.4	9	6	10	7	✓	6800	✓	3.35	GI283	FA051	AC003
	125A09R-S45OE06Z-C	125	134.9	63	40	56	–	16.4	9	1	10	9	✓	6800	✓	3.35	GI283	FA051	AC003
	160C09R-S45OE06Z-C	160	170.2	63	40	–	66.7	16.4	9	6	10	9	✓	6000	✓	7.11	GI283	FA056	–
	160C12R-S45OE06Z-C	160	169.9	63	40	–	66.7	16.4	9	1	10	12	✓	6000	✓	7.06	GI283	FA056	–
	200C11R-S45OE06Z-C	200	210.2	63	60	–	101.6	25.7	14	6	10	11	✓	5300	✓	10.80	GI283	FA057	–
	200C14R-S45OE06Z-C	200	209.9	63	60	–	101.6	25.7	14	1	10	14	✓	5300	✓	11.17	GI283	FA057	–

GI283	OEHT 0604AE..	REHT 1604M0..	XEHT 0604AE..

		Nm							
FA051	US 5011-T20P	5.0	M 5	11	SDR T20P-T	–	–	–	–
FA053	US 5011-T20P	5.0	M 5	11	SDR T20P-T	HS 1030C	–	–	–

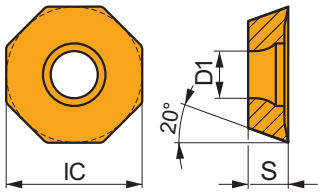
		Nm							
FA056	US 5011-T20P	5.0	M 5	11	SDR T20P-T	HS 1240C	CAC 160C	HSD 0825C	HXK 5
FA057	US 5011-T20P	5.0	M 5	11	SDR T20P-T	HS 1655C	CAC 200C	HSD 1025C	HXK 7

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

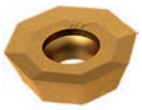
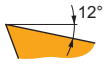
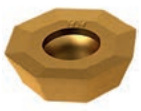
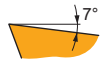
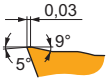
OEHT 06

PRAMET

	IC (mm)	D1 (mm)	S (mm)
0604	16.050	5.50	4.76



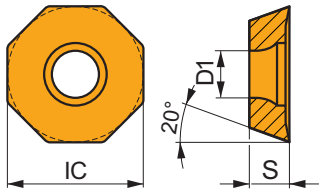
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			E																	
			MF槽型，45°面铣削刀片，具有锋利正前角设计，适用于轻载到中等和潜在的精加工。																	
OEHT 0604AEER-MF	**M6330**	–	◪ 255	0.12	2.2	■ 180	0.11	2.2	–	–	–	–	–	–	■ 75	0.10	1.8	–	–	–
	M8330	–	◪ 295	0.12	2.2	■ 175	0.11	2.2	–	–	–	◪ 885	0.14	2.2	◪ 70	0.10	1.8	–	–	–
	M8340	–	◪ 275	0.12	2.2	■ 165	0.11	2.2	–	–	–	–	–	–	■ 65	0.10	1.8	–	–	–
			1 E																	
			MM槽型，45°面铣削刀片，具有锋利的正前角设计，适用于轻载到中等加工。																	
OEHT 0604AEER-MM	**M6330**	–	◪ 245	0.16	2.2	■ 170	0.14	2.2	–	–	–	–	–	–	■ 70	0.11	1.8	–	–	–
	M8330	–	◪ 280	0.16	2.2	■ 165	0.14	2.2	–	–	–	◪ 840	0.19	2.2	◪ 70	0.11	1.8	–	–	–
	M8340	–	◪ 255	0.16	2.2	■ 150	0.14	2.2	–	–	–	–	–	–	■ 60	0.11	1.8	–	–	–
	M8345	–	◪ 205	0.16	2.2	■ 120	0.14	2.2	–	–	–	–	–	–	■ 50	0.11	1.8	–	–	–
	M9325	–	◪ 355	0.16	2.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	–	◪ 320	0.16	2.2	■ 190	0.14	2.2	–	–	–	–	–	–	■ 80	0.11	1.8	–	–	–
			S																	
			M槽型，45°面铣削刀片，具有很小的正前角设计，适用于轻载到中等加工。																	
OEHT 0604AESR-M	**M6330**	–	■ 210	0.24	3.2	■ 150	0.22	3.2	–	–	–	–	–	–	◪ 60	0.17	2.6	–	–	–
	M8310	–	■ 265	0.24	3.2	◪ 135	0.22	3.2	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	■ 245	0.24	3.2	■ 145	0.22	3.2	–	–	–	–	–	–	◪ 60	0.17	2.6	–	–	–
	M8340	–	■ 220	0.24	3.2	■ 130	0.22	3.2	–	–	–	–	–	–	◪ 55	0.17	2.6	–	–	–
	M9325	–	■ 295	0.24	3.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	–	■ 270	0.24	3.2	■ 160	0.22	3.2	–	–	–	–	–	–	◪ 65	0.17	2.6	–	–	–

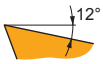
OEHT 06-FA

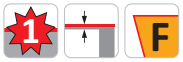
PRAMET

	IC (mm)	D1 (mm)	S (mm)
0604	16.050	5.50	4.76



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																					
OEHT 0604AEFR-FA	HF7	–	–	–	–	–	–	–	–	–	–	–	–	–	330	0.18	2.0	–	–	–	–	–	–
	M0315	–	–	–	–	–	–	–	–	–	–	–	–	–	765	0.18	2.0	–	–	–	–	–	–

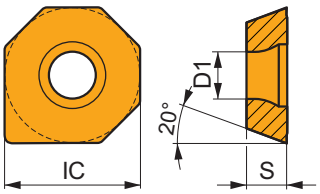


FA槽型，45°面铣削刀片，具有大正前角设计，适用于精加工到中等加工。

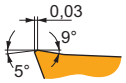
XEHT 06

PRAMET

	IC (mm)	D1 (mm)	S (mm)
0604	16.050	5.50	4.76



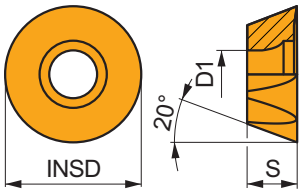
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																					
XEHT 0604AESR	M8310	–	265	0.24	3.2	135	0.22	3.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	245	0.24	3.2	145	0.22	3.2	–	–	–	–	–	–	–	–	–	–	–	–	–	–

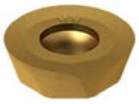
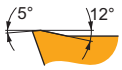
很小的正前角修光刃设计，适用于改善表面光洁度。

REHT 16

	INSD	D1	S
	(mm)	(mm)	(mm)
1604	16.0	5.50	4.76

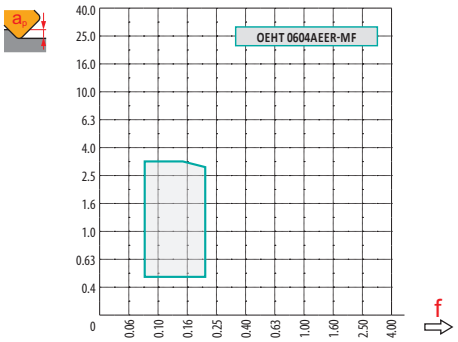


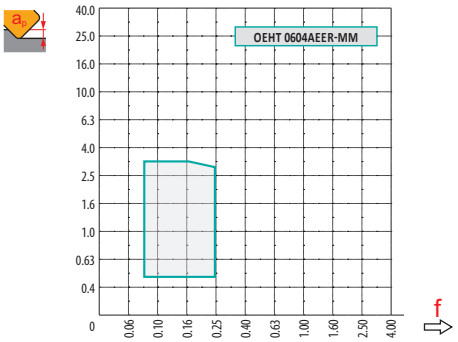
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

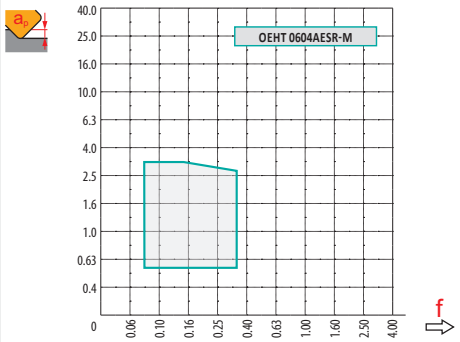
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			**E**																	
MM槽型，仿形和轮廓铣削刀片，具有很小的正前角设计，适用于轻载到中等加工。																				
REHT 1604M0EN-MM	**M6330**	–	◪	240	0.25	2.0	■	170	0.23	2.0		–	–	–		–	–	–	■	70	0.18	1.6		–	–	–
	M8330	–	◪	280	0.25	2.0	■	165	0.23	2.0		–	–	–	◪	840	0.30	2.0	◪	70	0.18	1.6		–	–	–
	M8340	–	◪	255	0.25	2.0	■	150	0.23	2.0		–	–	–		–	–	–	■	60	0.18	1.6		–	–	–
	M8345	–	◪	205	0.25	2.0	■	120	0.23	2.0		–	–	–		–	–	–	■	50	0.18	1.6		–	–	–
	M9325	–	◪	340	0.25	2.0		–	–	–		–	–	–		–	–	–		–	–	–		–	–	–
	M9340	–	◪	305	0.25	2.0	■	180	0.23	2.0		–	–	–		–	–	–	■	75	0.18	1.6		–	–	–
			**S**																	
M槽型，仿形和轮廓铣削刀片，具有前角设计，适用于轻载到中等加工。																				
REHT 1604M0SN-M	**M8310**	–	■	275	0.35	2.0	◪	140	0.32	2.0		–	–	–		–	–	–		–	–	–		–	–	–
	M8330	–	■	260	0.35	2.0	■	155	0.32	2.0		–	–	–		–	–	–	◪	65	0.25	1.6		–	–	–
	M8340	–	■	240	0.35	2.0	■	140	0.32	2.0		–	–	–		–	–	–	◪	60	0.25	1.6		–	–	–
	M9325	–	■	310	0.35	2.0		–	–	–		–	–	–		–	–	–		–	–	–		–	–	–

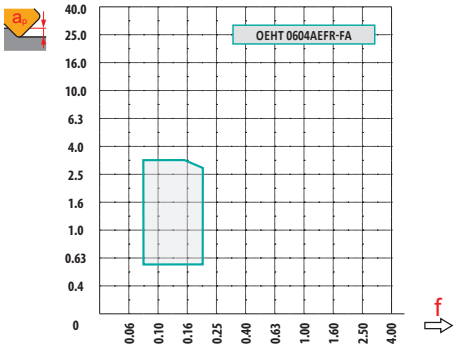
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

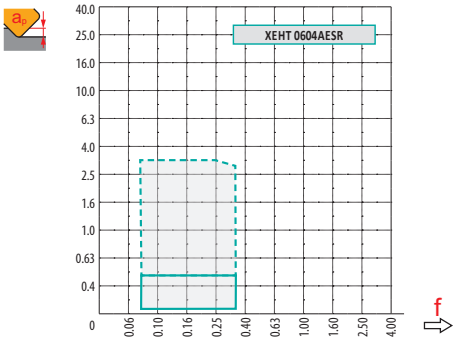
	OEHT 06-MF	OEHT 06-MM	OEHT 06-M	OEHT 06-FA	XEHT 06	REHT 16-MM	REHT 16-M
RE	–	–	–	–	–	8.00	8.00
BS	1.36	1.36	1.36	1.36	9.91	–	–

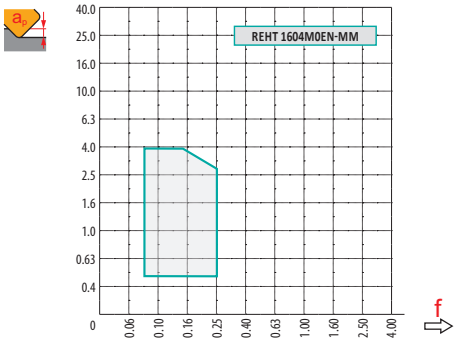


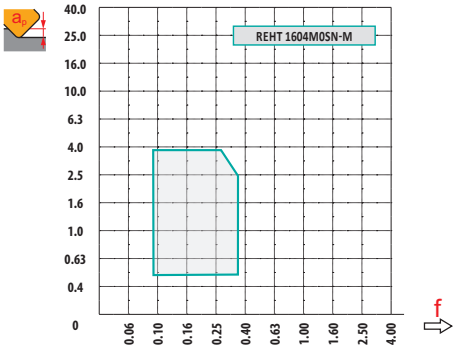












DC	R								
	a_p	0.00	0.50	0.75	1.25	1.50	2.00	2.50	3.00	4.00
50	DEF	43.90	49.47	50.66	52.49	53.23	54.48	55.52	56.39	57.76
56		49.80	55.37	56.56	58.39	59.13	60.38	61.42	62.29	63.66
63		56.90	62.47	63.66	65.49	66.23	67.48	68.52	69.39	70.76
70		63.80	69.37	70.56	72.39	73.13	74.38	75.42	76.29	77.66
80		73.90	79.47	80.66	82.49	83.23	84.48	85.52	86.39	87.76
90		83.80	89.37	90.56	92.39	93.13	94.38	95.42	96.29	97.66
100		93.90	99.47	100.66	102.49	103.23	104.48	105.52	106.39	107.76
125		118.90	124.47	125.66	127.49	128.23	129.48	130.52	131.39	132.76
160		153.90	159.47	160.66	162.49	163.23	164.48	165.52	166.39	167.76
200		193.90	199.47	200.66	202.49	203.23	204.48	205.52	206.39	207.76

DC	X.V	f_{max}
50	1.43	0.33
56	1.45	0.35
63	1.47	0.37
70	1.49	0.39
80	1.52	0.42
90	1.55	0.44
100	1.57	0.47
125	1.62	0.52
160	1.68	0.59
200	1.73	0.66

DC	DCX	O		R	
O	R	RPMX	APMX/I	RPMX	APMX/I
50	59.9	4.9	8.4/100	4.6	7.9/100
56	65.8	4.2	7.2/100	4	6.8/100
63	72.9	3.6	6.1/100	3	5.1/100
70	79.8	3.1	5.3/100	2.7	4.6/100
80	89.9	2.6	4.4/100	2.2	3.7/100
90	99.8	2.3	3.9/100	2	3.3/100
100	109.9	2	3.3/100	1.8	3.0/100
125	134.9	1.5	2.5/100	1.3	2.1/100

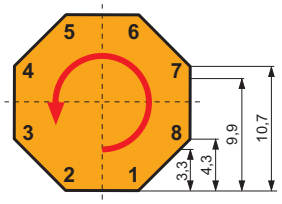
DC	DCX	O				R			
O	R	DMIN	DMAX	SMAX DMIN	SMAX DMAX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
50	59.9	91.5	120.0	5.9	5.9	91.5	119.5	5.9	5.9
56	65.8	103.2	131.5	5.9	5.9	103.5	131.0	5.9	5.9
63	72.9	117.4	146.0	5.9	5.9	118.0	145.5	5.9	5.9
70	79.8	131.2	159.5	5.9	5.9	131.5	159.0	5.9	5.9
80	89.9	151.4	180.0	5.9	5.9	151.5	179.5	5.9	5.9
90	99.8	171.2	199.5	5.9	5.9	171.5	199.0	5.9	5.9
100	109.9	191.4	220.0	5.9	5.9	191.5	219.5	5.9	5.9
125	134.9	241.3	270.0	5.9	5.9	241.5	269.5	5.9	5.9

	O	R
a_p	3.1	3.0

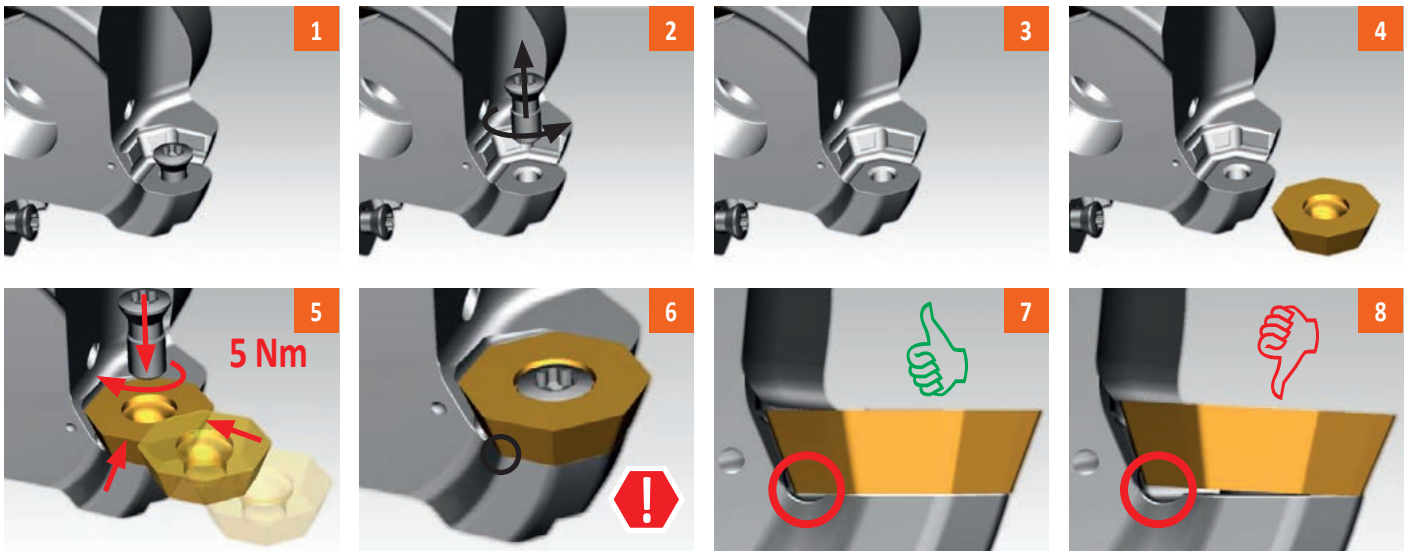
R

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
59.9	FE	0.848	1.095	1.548	1.896	2.189	2.681	3.096	3.461	3.792	4.378	4.895
65.8		0.889	1.147	1.622	1.987	2.294	2.810	3.245	3.628	3.974	4.589	5.130
72.9		0.935	1.207	1.708	2.091	2.415	2.958	3.415	3.818	4.183	4.830	5.400
79.8		0.979	1.263	1.787	2.188	2.527	3.095	3.573	3.995	4.376	5.053	5.650
89.9		1.039	1.341	1.896	2.322	2.682	3.285	3.793	4.240	4.645	5.364	5.997
99.8		1.094	1.413	1.998	2.447	2.826	3.461	3.996	4.468	4.894	5.651	6.318

RE	µm	3	5	10	15	20	30	40	50	60	80	100
8.0	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530



a_p	
–> 3.3	8
–> 4.3	7
–> 9.9	4
–> 10.7	2



SOE09Z

P M N S

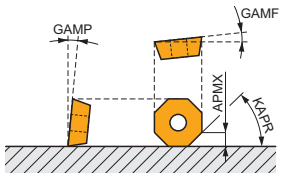
PRAMET

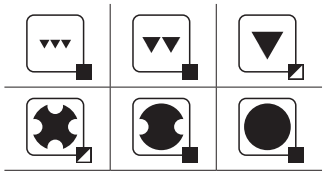
S

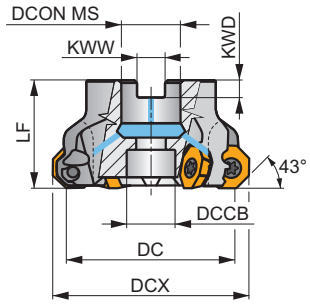
通用面铣，具有正前角设计，带内冷

高效富有成效的通用面铣，使用正前角单面刀片，具有APMX(最大切深)6 mm，RE..24。独特的刀片座适合OE.. 09，RE..24和XE.. 09类型刀片。适用范围广泛。只提供芯轴式类型，尺寸范围是从Ø 80至Ø 315 mm，具有不等齿距，刀体经过处理，使用寿命更长。

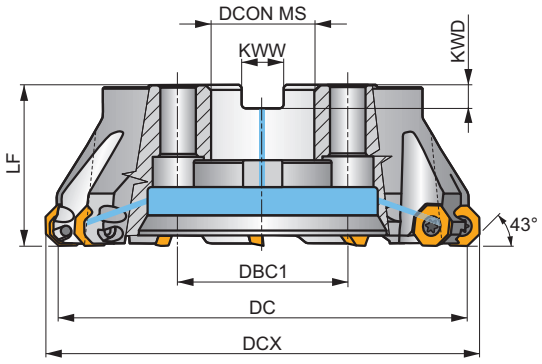
KAPR	43°
APMX	5.0 (14.1) mm







DC 80 – 125 mm



DC 160 – 315 mm

h_m 0.09 – 0.25

	产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**80A05R-S45OE09Z-C**	80	95	50	27	22	–	12.4	7	6	10	5	✓	6100	✓	1.32	GI293	FA064	–
	100A06R-S45OE09Z-C	100	115	50	32	45	–	14.4	8	6	10	6	✓	5400	✓	1.90	GI293	FA061	AC002
	125A07R-S45OE09Z-C	125	140	63	40	56	–	16.4	9	6	10	7	✓	4800	✓	3.38	GI293	FA061	AC003
	160C08R-S45OE09Z-C	160	175	63	40	–	66.7	16.4	9	6	10	8	✓	4300	✓	6.12	GI293	FA066	–
	200C10R-S45OE09Z-C	200	215	63	60	–	101.6	25.7	14	1	10	10	✓	3800	✓	11.50	GI293	FA067	–
	250C12R-S45OE09Z-C	250	265	63	60	–	101.6	25.7	14	1	10	12	✓	3400	✓	18.50	GI293	FA068	–
	315C14R-S45OE09Z-C	315	330	80	60	–	101.6	25.7	14	1	10	14	✓	3000	✓	36.00	GI293	FA069	–

GI293	OEHT 0906AE..	REHT 2406M0..	XEHT 0906AE..

		Nm									
FA061	US 68020-T30P	15.0	M 8	20	SDR T30P-T	–	–	–	–	–	–
FA064	US 68020-T30P	15.0	M 8	20	SDR T30P-T	HS 1230C	–	–	–	–	–
FA066	US 68020-T30P	15.0	M 8	20	SDR T30P-T	HS 1240C	CAC 160C	HSD 0825C	HXK 5	–	–
FA067	US 68020-T30P	15.0	M 8	20	SDR T30P-T	HS 1655C	CAC 200C	HSD 1025C	HXK 7	–	–
FA068	US 68020-T30P	15.0	M 8	20	SDR T30P-T	HS 1655C	CAC 250C	HSD 1025C	HXK 7	–	–
FA069	US 68020-T30P	15.0	M 8	20	SDR T30P-T	HS 1655C	CAC 315C	HSD 1035C	HXK 7	CACP 3150C	RRH 34

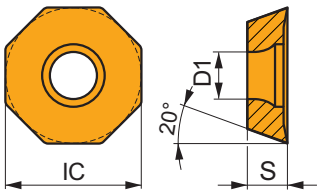
AC002	KS 1635	K.FMH32

AC003	KS 2040	K.FMH40

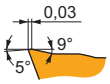
OEHT 09

PRAMET

	IC (mm)	D1 (mm)	S (mm)
0906	24.100	8.60	7.15

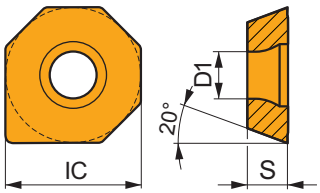


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

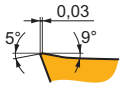
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			1 E MM槽型，45°面铣削刀片，具有锋利正前角设计，适用于轻载到中等和潜在的重载加工。																	
OEHT 0906AEER-MM	**M8330**	–	◪ 255	0.25	3.5	■ 150	0.23	3.5	–	–	–	◪ 765	0.30	3.5	◪ 60	0.18	2.8	–	–	–
	M8340	–	◪ 230	0.25	3.5	■ 135	0.23	3.5	–	–	–	–	–	–	■ 55	0.18	2.8	–	–	–
			S M槽型，45°面铣削刀片，具有正前角设计，适用于轻载到中等和潜在的重载加工。																	
OEHT 0906AESR-M	**M8310**	–	■ 250	0.35	3.5	◪ 125	0.32	3.5	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	■ 235	0.35	3.5	■ 140	0.32	3.5	–	–	–	–	–	–	◪ 55	0.25	2.8	–	–	–
	M8340	–	■ 215	0.35	3.5	■ 125	0.32	3.5	–	–	–	–	–	–	◪ 50	0.25	2.8	–	–	–
	M9325	–	■ 275	0.35	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

XEHT 09

	IC	D1	S
	(mm)	(mm)	(mm)
0906	24.100	8.60	7.15

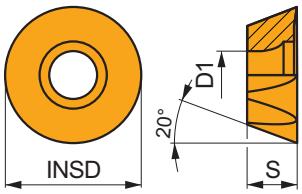


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

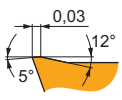
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			W S																	
			很小的正前角修光刃设计，适用于改善表面光洁度。																	
XEHT 0906AESR	**M8310**	–	■ 235	0.35	3.5	◪ 115	0.32	3.5	–	–	–	–	–	–	–	–	–	–	–	–

REHT 24

	INSD	D1	S
	(mm)	(mm)	(mm)
2406	24.0	8.60	7.15

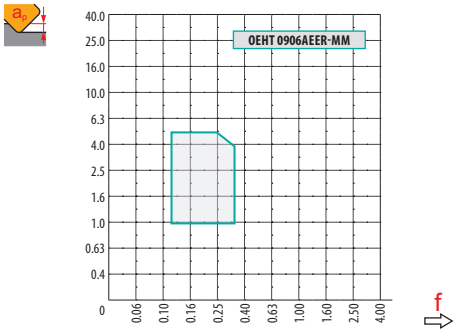


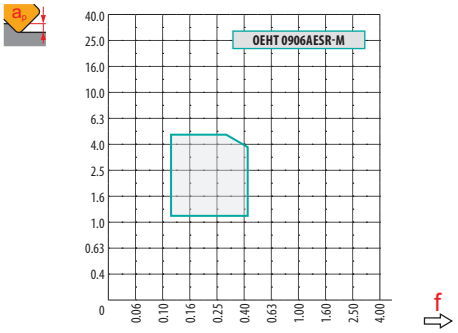
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

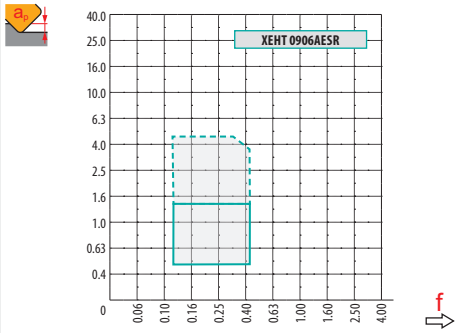
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			E																	
			MM槽型，仿形和轮廓铣削刀片，具有很小的正前角设计，适用于轻载到中等和潜在的重载加工。																	
REHT 2406M0EN-MM	**M8330**	–	◪ 280	0.25	2.0	■ 165	0.23	2.0	–	–	–	◪ 840	0.30	2.0	◪ 70	0.18	1.6	–	–	–
	M8340	–	◪ 255	0.25	2.0	■ 150	0.23	2.0	–	–	–	–	–	–	■ 60	0.18	1.6	–	–	–
			S																	
			M槽型，仿形和轮廓铣削刀片，具有设计，适用于轻载到中等和潜在的重载加工。																	
REHT 2406M0SN-M	**M8330**	–	■ 260	0.35	2.0	■ 155	0.32	2.0	–	–	–	–	–	–	◪ 65	0.25	1.6	–	–	–
	M8340	–	■ 240	0.35	2.0	■ 140	0.32	2.0	–	–	–	–	–	–	◪ 60	0.25	1.6	–	–	–

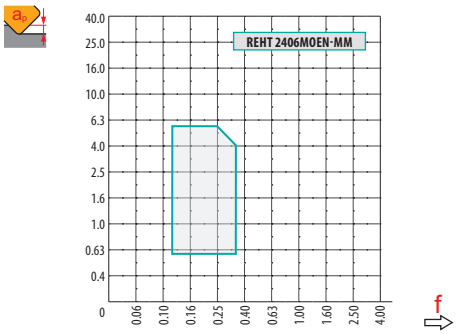
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

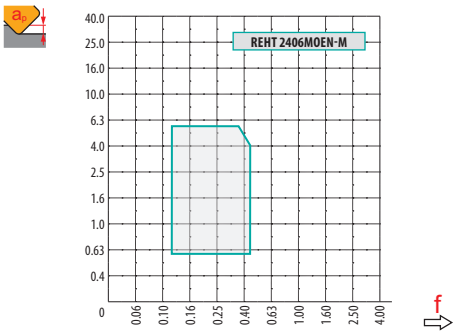
	OEHT 09-MM	OEHT 09-M	XEHT 09	REHT 24-MM	REHT 24-M
RE	–	–	–	12.00	12.00
BS	2.00	2.00	14.80	–	–











DC / a_p	0.00	0.50	0.75	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00
80	70.90	77.76	79.25	81.57	82.52	84.17	85.56	86.77	88.79	90.39	91.68
100	90.90	97.76	99.25	101.57	102.52	104.17	105.56	106.77	108.79	110.39	111.68
125	115.90	122.76	124.25	126.57	127.52	129.17	130.56	131.77	133.79	135.39	136.68
160	150.90	157.76	159.25	161.57	162.52	164.17	165.56	166.77	168.79	170.39	171.68
200	190.90	197.76	199.25	201.57	202.52	204.17	205.56	206.77	208.79	210.39	211.68
250	240.60	247.46	248.95	251.27	252.22	253.87	255.26	256.47	258.49	260.09	261.38
315	305.60	312.46	313.95	316.27	317.22	318.87	320.26	321.47	323.49	325.09	326.38

DC	X.V	f_{max}
80	1.44	0.51
100	1.48	0.57
125	1.53	0.64
160	1.58	0.72
200	1.63	0.80
250	1.68	0.90
315	1.74	1.01

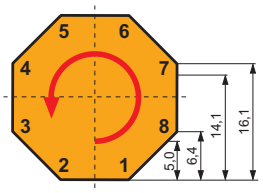
DC	DCX	O		R	
O	R	RPMX	APMX/I	RPMX	APMX/I
80	94.9	4.9	8.4/100	5.0	8.6/100
100	114.9	3.7	6.3/100	3.7	6.3/100
125	139.9	2.8	4.7/100	2.8	4.7/100
160	174.9	2.1	3.5/100	2.1	3.5/100
200	214.9	1.6	2.6/100	1.6	2.6/100

DC	DCX	O				R			
O	R	DMIN	DMAX	SMAX DMIN	SMAX DMAX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
80	94.9	146.0	190.0	8.8	8.8	146.0	189.0	11.5	11.5
100	114.9	186.0	230.0	8.8	8.8	186.0	229.0	11.5	11.5
125	139.9	236.0	280.0	8.8	8.8	236.0	279.0	11.5	11.5
160	174.9	306.0	350.0	8.8	8.8	306.0	349.0	11.5	11.5
200	214.9	386.0	430.0	8.8	8.8	386.0	429.0	11.5	11.5

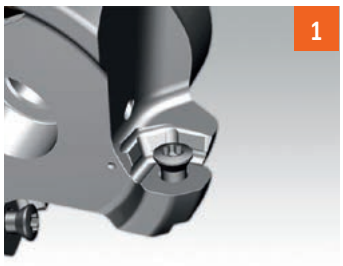
	O	R
a_p	5.5	5.4

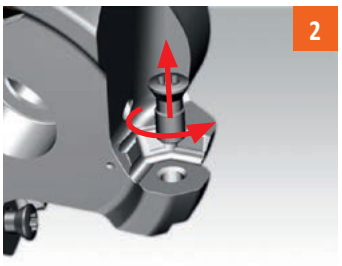
		R										
DCX	µm	3	5	10	15	20	30	40	50	60	80	100
94.9	FE	1.067	1.378	1.948	2.386	2.755	3.375	3.897	4.357	4.772	5.511	6.161

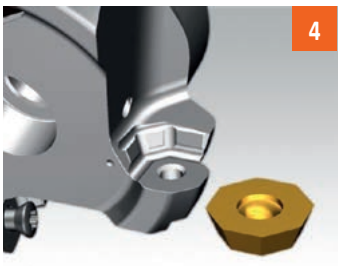
RE	µm	3	5	10	15	20	30	40	50	60	80	100
12.0	FE	0.537	0.693	0.980	1.200	1.386	1.697	1.960	2.191	2.400	2.771	3.098

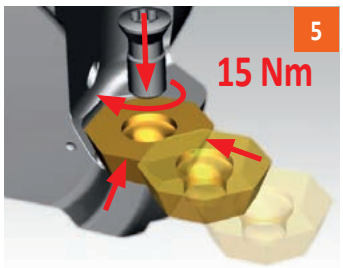


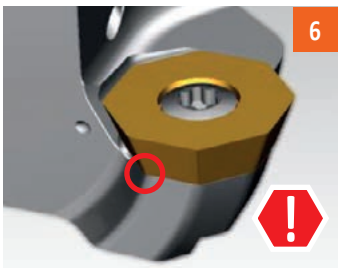
a_p	
–> 5.0	8
–> 6.4	7
–> 14.1	4
–> 16.1	2

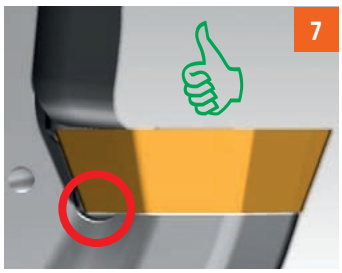


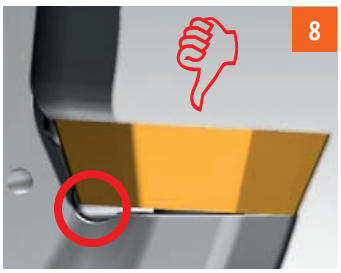












SSE09

P M K S

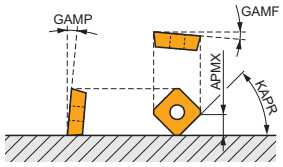
PRAMET

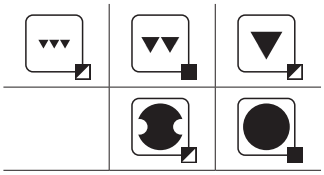
S

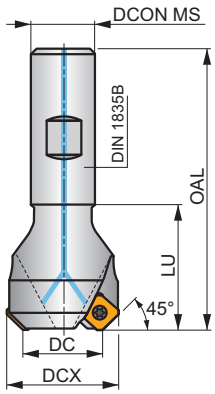
45°面铣，具有正前角设计，带内冷

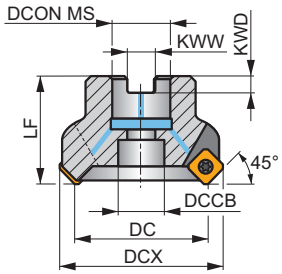
高效富有成效的45°面铣，使用单面SE..　09类型刀片，具有APMX(最大切深)4.5 mm。适合面铣和倒角加工。侧固柄和芯轴式类型可用，尺寸范围从Ø 20至Ø 160 mm，具有不等齿距，刀体经过处理，使用寿命更长。

KAPR	45°
APMX	4.5 mm

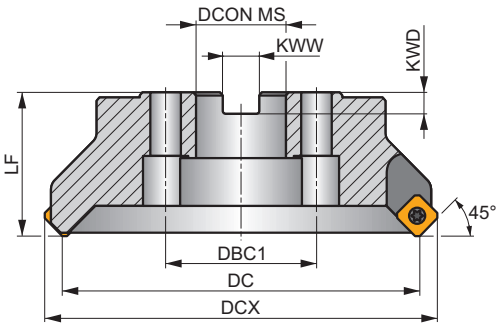








DC 32 – 125 mm



DC 160 mm

h_m 0.06 – 0.2

h_m 0.06 – 0.18

产品型号	DC (mm)	DCX (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835B																				
20N2R032B20-SSE09-C	20	29.8	82	20	–	–	32	–	–	–	-5	20	2	–	24600	✓	0.26	GI147	FA010	–
25N3R042B25-SSE09-C	25	34.8	98	25	–	–	42	–	–	–	-5	20	3	–	22000	✓	0.44	GI147	FA010	–
32N4R042B32-SSE09-C	32	42	102	32	–	–	42	–	–	–	-5	20	4	–	19400	✓	0.68	GI147	FA010	–
32A04R-S45SE09F-C	32	42	–	16	14	–	–	40	8.4	6.4	-5	20	4	✓	19400	✓	0.24	GI147	FA012	–
40A04R-S45SE09F-C	40	53.2	–	16	14	–	–	40	8.4	6.4	-5	20	4	✓	17400	✓	0.30	GI147	FA012	–
50A05R-S45SE09F-C	50	59.6	–	22	18	–	–	40	10.4	6.4	-5	20	5	✓	15600	✓	0.56	GI147	FA013	–
63A05R-S45SE09F-C	63	75.8	–	22	18	–	–	40	10.4	6.4	-5	20	5	✓	13900	✓	0.57	GI147	FA013	–
63A06R-S45SE09F-C	63	75.8	–	22	18	–	–	40	10.4	6.4	-5	20	6	✓	13900	✓	0.58	GI147	FA013	–
80A06R-S45SE09F-C	80	89.6	–	27	38	–	–	50	12.4	7	-5	20	6	✓	12300	✓	1.14	GI147	FA011	AC001
ISO 6462 DIN 8030 **80A08R-S45SE09F-C**	80	89.6	–	27	38	–	–	50	12.4	7	-5	20	8	✓	12300	✓	1.13	GI147	FA011	AC001
100A08R-S45SE09F-C	100	110	–	32	45	–	–	50	14.4	8	-5	20	8	✓	11000	✓	1.83	GI147	FA011	AC002
100A10R-S45SE09F-C	100	110	–	32	45	–	–	50	14.4	8	-5	20	10	✓	10900	✓	1.82	GI147	FA011	AC002
125A09R-S45SE09F-C	125	134.5	–	40	60	–	–	63	16.4	9	-5	20	9	✓	9800	✓	3.87	GI147	FA011	AC003
125A12R-S45SE09F-C	125	134.5	–	40	60	–	–	63	16.4	9	-5	20	12	✓	9800	✓	3.87	GI147	FA011	AC003
160C10R-S45SE09F	160	169.6	–	40	–	66.7	–	63	16.4	9	-5	20	10	✓	8700	–	6.21	GI147	FA014	–
160C14R-S45SE09F	160	169.6	–	40	–	66.7	–	63	16.4	9	-5	20	14	✓	8700	–	6.29	GI147	FA014	–

GI147	SEET 09T3AF..	SEMT 09T3AF..

		Nm						
FA010	US 3007-T09P	2.0	M 3	7.3	–	–	Flag T09P	–
FA011	US 3007-T09P	2.0	M 3	7.3	D-T07P/T09P	FG-15	–	–
FA012	US 3007-T09P	2.0	M 3	7.3	D-T07P/T09P	FG-15	–	HS 0830C

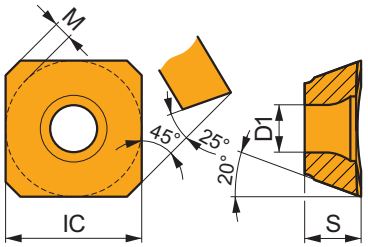
		Nm						
FA013	US 3007-T09P	2.0	M 3	7.3	D-T07P/T09P	FG-15	–	HS 1030C
FA014	US 3007-T09P	2.0	M 3	7.3	D-T07P/T09P	FG-15	–	HS 1240C

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

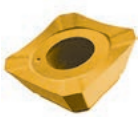
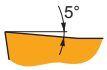
SEET 09

PRAMET

	IC (mm)	D1 (mm)	M (mm)	S (mm)
09T3	9.525	3.50	1	3.97

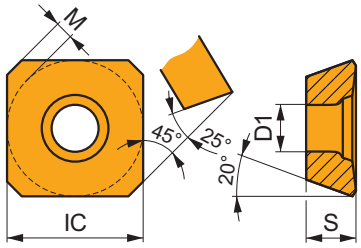


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

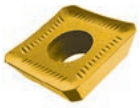
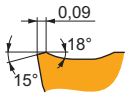
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			E																	
			正前角设计，适用于轻载到中等加工。																	
SEET 09T3AFEN	**8215**	–	300	0.14	2.5	180	0.13	2.5	–	–	–	–	–	–	75	0.10	2.0	–	–	–
	M6330	–	255	0.14	2.5	180	0.13	2.5	–	–	–	–	–	–	75	0.10	2.0	–	–	–
	M8330	–	295	0.14	2.5	175	0.13	2.5	–	–	–	–	–	–	70	0.10	2.0	–	–	–
	M8340	–	270	0.14	2.5	160	0.13	2.5	–	–	–	–	–	–	65	0.10	2.0	–	–	–
	M9325	–	380	0.14	2.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	–	345	0.14	2.5	205	0.13	2.5	–	–	–	–	–	–	85	0.10	2.0	–	–	–

SEMT 09

	IC (mm)	D1 (mm)	M (mm)	S (mm)
09T3	9.525	3.50	1	3.97

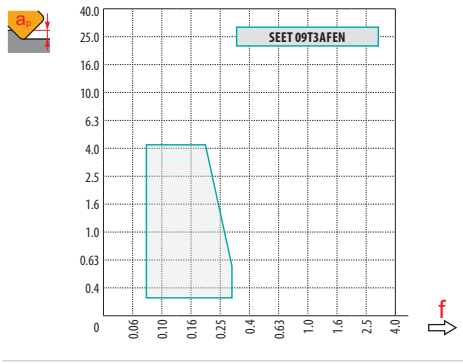


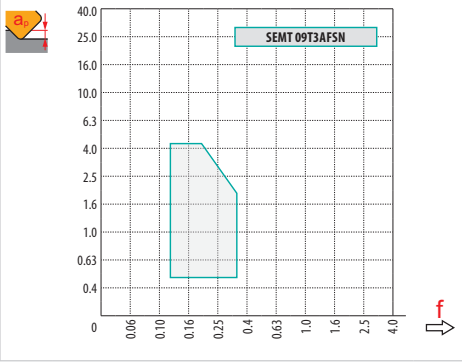
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			正前角设计，适用于轻载到中等加工。																	
SEMT 09T3AFSN	**8215**	–	■ 295	0.18	1.8	◪ 175	0.16	1.8	■ 280	0.18	1.8	–	–	–	–	–	–	–	–	–
	M8330	–	■ 290	0.18	1.8	◪ 170	0.16	1.8	■ 275	0.18	1.8	–	–	–	–	–	–	–	–	–
	M8340	–	■ 265	0.18	1.8	◪ 155	0.16	1.8	◪ 250	0.18	1.8	–	–	–	–	–	–	–	–	–
	M9325	–	■ 365	0.18	1.8	–	–	–	■ 345	0.18	1.8	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SEET 09	SEMT 09
RE	–	–
BS	1.28	1.25





DC	X.V	f_{max}
20	1.20	0.18
25	1.24	0.20
32	1.29	0.23
40	1.33	0.25
50	1.37	0.28
63	1.41	0.32
80	1.46	0.36
100	1.50	0.40
125	1.55	0.45
160	1.60	0.51

SSN12Z

P M K S

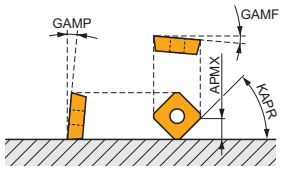
PRAMET

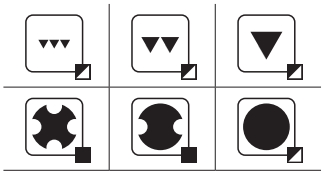
S

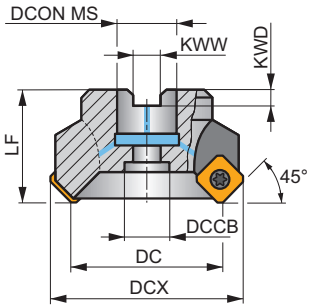
45°面铣，具有正前角设计，带内冷

高效富有成效的45°面铣，使用单面SN.. 12类型刀片，具有APMX(最大切深)6.5 mm。适合面铣和倒角加工。只提供芯轴式类型，尺寸范围是从Ø 50至Ø 250 mm。刀体经过处理，使用寿命更长。

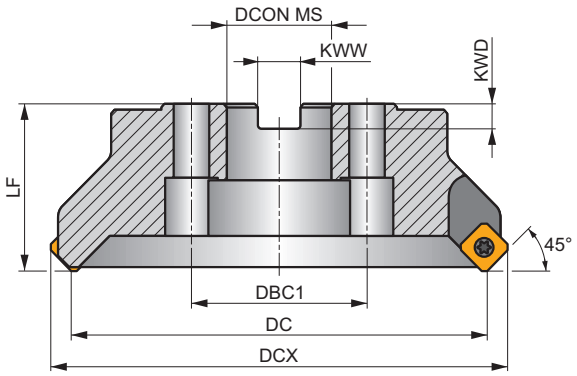
KAPR	45°
APMX	6.5 mm







DC 40 – 125 mm



DC 160 – 250 mm

h_m 0.12 – 0.35

	产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**50A04R-S45SN12Z-C**	50	65	40	22	18	–	10.4	6.3	-5.5	7.5	4	–	9700	✓	0.48	GI156	FA071	–
	63A05R-S45SN12Z-C	63	78	40	22	18	–	10.4	6.3	-5.5	7.5	5	–	8600	✓	0.68	GI156	FA071	–
	80A06R-S45SN12Z-C	80	95	50	27	38	–	12.4	7	-5.5	7.5	6	–	7700	✓	1.42	GI156	FA071	AC001
	100A07R-S45SN12Z-C	100	115	50	32	45	–	14.4	8	-5.5	7.5	7	–	6900	✓	1.70	GI156	FA071	AC002
	125A08R-S45SN12Z-C	125	140	63	40	56	–	16.4	9	-5.5	7.5	8	–	6100	✓	3.59	GI156	FA071	AC003
	160C10R-S45SN12Z	160	173	–	40	–	66.7	16.4	9	-5.5	7.5	10	–	5400	–	6.30	GI156	FA071	–
	200C12R-S45SN12Z	200	210	–	60	–	101.6	25.7	14	-5.5	7.5	12	–	4900	–	9.10	GI156	FA071	–
	250C16R-S45SN12Z	250	260	–	60	–	101.6	25.7	14	-5.5	7.5	16	–	4300	–	11.87	GI156	FA071	–

GI156	SNKT 1205AZ..	SNMT 1205AZ..

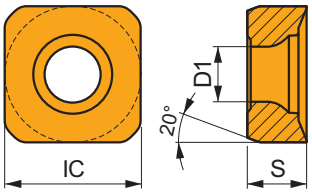
FA071	US 4511-T20	5.0 Nm	M 4.5	11	SDR T20-T

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

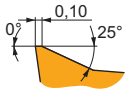
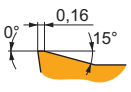
SNMT 12

PRAMET

	IC (mm)	D1 (mm)	S (mm)
1205	12.700	5.20	5.56

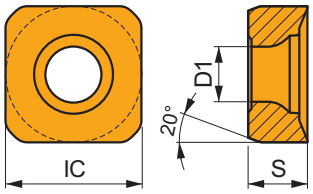


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

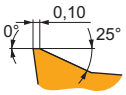
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
M槽型，具有大正前角设计，适用于中等加工。																				
SNMT 1205AZSR-M	**8215**	–	■ 300	0.25	3.2	◪ 180	0.23	3.2	◪ 285	0.25	3.2	–	–	–	◪ 75	0.18	2.6	–	–	–
	M8330	–	■ 300	0.25	3.2	■ 180	0.23	3.2	◪ 285	0.25	3.2	–	–	–	◪ 75	0.18	2.6	–	–	–
	M8340	–	■ 275	0.25	3.2	■ 165	0.23	3.2	◪ 260	0.25	3.2	–	–	–	◪ 65	0.18	2.6	–	–	–
	M9315	–	■ 385	0.25	3.2	–	–	–	◪ 365	0.25	3.2	–	–	–	–	–	–	–	–	–
	M9325	–	■ 365	0.25	3.2	–	–	–	◪ 345	0.25	3.2	–	–	–	–	–	–	–	–	–
																				
R槽型，具有正前角设计，适用于中等加工到重载加工。																				
SNMT 1205AZSR-R	**8215**	–	■ 290	0.27	3.5	◪ 170	0.24	3.5	◪ 275	0.27	3.5	–	–	–	◪ 70	0.22	2.8	–	–	–
	M5315	–	◪ 365	0.27	3.5	–	–	–	◪ 345	0.27	3.5	–	–	–	–	–	–	–	–	–
	M8330	–	■ 290	0.27	3.5	◪ 170	0.24	3.5	◪ 275	0.27	3.5	–	–	–	◪ 70	0.22	2.8	–	–	–
	M8340	–	■ 270	0.27	3.5	◪ 160	0.24	3.5	◪ 255	0.27	3.5	–	–	–	◪ 65	0.22	2.8	–	–	–
	M9315	–	■ 375	0.27	3.5	–	–	–	◪ 355	0.27	3.5	–	–	–	–	–	–	–	–	–
	M9325	–	■ 355	0.27	3.5	–	–	–	◪ 335	0.27	3.5	–	–	–	–	–	–	–	–	–

SNKT 12

	IC	D1	S
	(mm)	(mm)	(mm)
1205	12.700	5.20	5.56

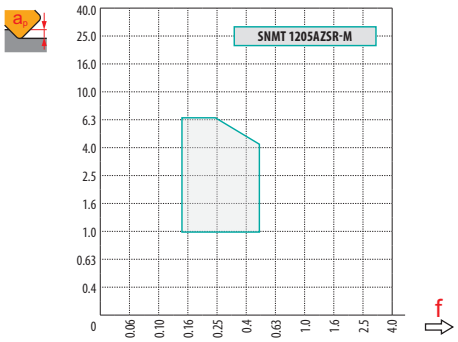


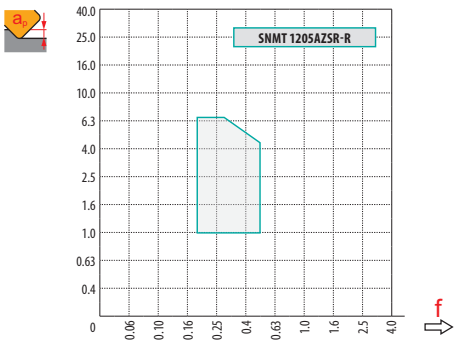
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

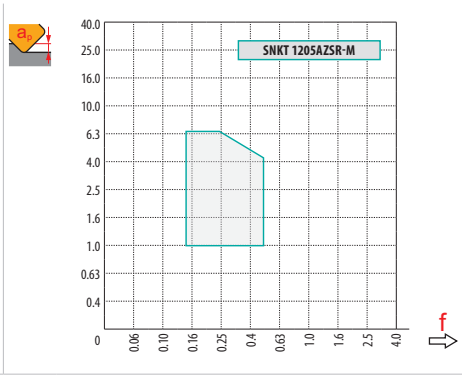
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			M槽型，具有大正前角设计，适用于中等加工。																	
SNKT 1205AZSR-M	**M8330**	–	■ 305	0.24	3.2	■ 180	0.22	3.2	◪ 285	0.24	3.2	–	–	–	◪ 75	0.17	2.6	–	–	–
	M8340	–	■ 275	0.24	3.2	■ 165	0.22	3.2	◪ 260	0.24	3.2	–	–	–	◪ 65	0.17	2.6	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SNMT 12-M	SNMT 12-R	SNKT 12-M
RE	–	–	–
BS	0.95	1.03	1.59







DC	X.V	f_{max}
50	1.30	0.47
63	1.34	0.53
80	1.39	0.60
100	1.43	0.67
125	1.47	0.74
160	1.53	0.84
200	1.57	0.94
250	1.62	1.05

SPN13

P M K S H

PRAMET

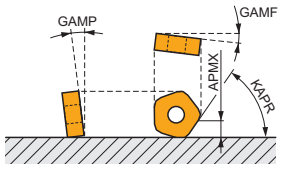
S

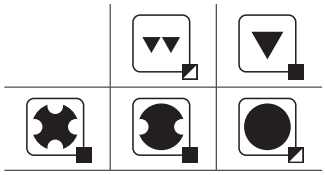
PENTA HD 57°面铣，具有双面负前角设计，适用于重载面铣削

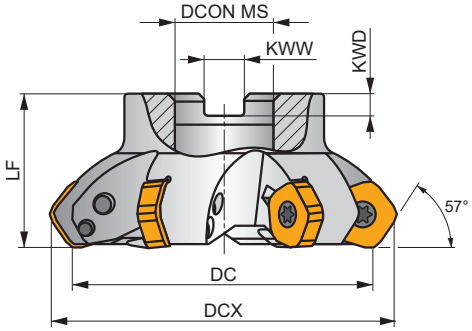
高效富有成效的57°面铣，使用双面PN.. 13和XN.. 13类型刀片，具有APMX(最大切深)10 mm。适合面铣。只提供芯轴式类型，尺寸范围是从Ø 100至Ø 315 mm。有垫片保护刀片座。刀体经过处理，使用寿命更长。

PENTA HD

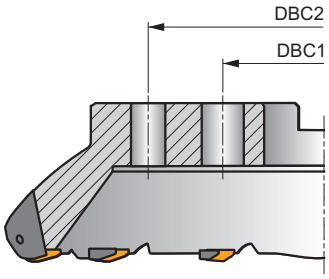
KAPR	57°
APMX	10.0 mm







DC 100 – 125 mm



DC 160 – 315 mm

h_m 0.20 – 0.50

	产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	DBC1 (mm)	DBC2 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**100A05R-S57PN13**	100	115.8	50	32	–	–	14.4	8	-8.2	-4	5	–	3400	–	1.22	GI261	FA081	AC002
	125A06R-S57PN13	125	140.8	63	40	–	–	16.4	9	-7	-4	6	–	3100	–	2.34	GI261	FA081	AC003
	160C08R-S57PN13	160	175.8	63	40	66.7	–	16.4	9	-6	-4	8	–	2700	–	3.58	GI261	FA081	–
	200C10R-S57PN13	200	215.8	63	60	101.6	–	25.7	14	-5	-4	10	–	2400	–	9.17	GI261	FA081	–
	250C12R-S57PN13	250	265.8	63	60	101.6	–	25.7	14	-5	-4	12	–	2200	–	15.39	GI261	FA081	–
	315C14R-S57PN13	315	330.8	80	60	101.6	177.8	25.7	14	-5	-4	14	–	1900	–	29.17	GI261	FA081	–

GI261	PNMU 1308DN..	XNGX 1308DNSN	PNMQ 1308DN..

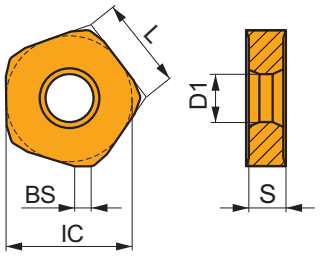
FA081	SPN 13T3DN	US 64010-T15P	SDR T15P	US 68026-T30P	15.0 Nm	M 8	26	SDR T30P-T

AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

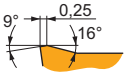
PNMU 13

PRAMET

	BS	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1308	3.00	24.400	10.00	13.00	7.94



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

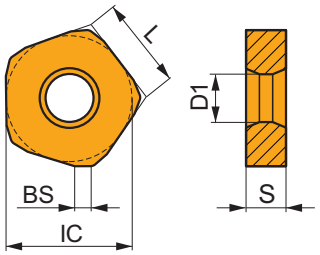
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
PNMU 1308DNSR-M	**8215**	–	165	0.35	6.5	95	0.32	6.5	155	0.35	6.5	–	–	–	40	0.28	5.2	30	0.15	1.0
	M8330	–	190	0.35	6.5	110	0.32	6.5	180	0.35	6.5	–	–	–	45	0.28	5.2	35	0.15	1.0
	M8345	–	135	0.35	6.5	80	0.32	6.5	–	–	–	–	–	–	30	0.28	5.2	–	–	–
	M9315	–	210	0.35	6.5	–	–	–	195	0.35	6.5	–	–	–	–	–	–	40	0.15	1.0
	M9340	–	170	0.35	6.5	100	0.32	6.5	–	–	–	–	–	–	40	0.28	5.2	–	–	–

M槽型，具有正前角设计，适用于粗加工。

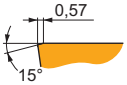
PNMQ 13

PRAMET

	BS	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1308	3.00	24.400	10.00	13.00	7.94



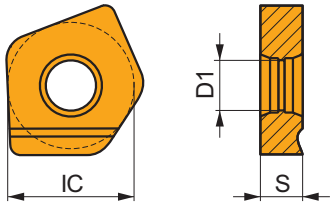
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
PNMQ 1308DNSN	**M8330**	–	165	0.60	6.5	–	–	–	155	0.60	6.5	–	–	–	–	–	–	30	0.15	1.0
	M8345	–	120	0.60	6.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

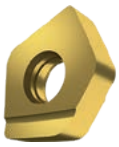
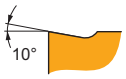
平板设计特别适用于粗加工。

XNGX 13

	IC	D1	S
	(mm)	(mm)	(mm)
1308	24.180	10.00	7.94

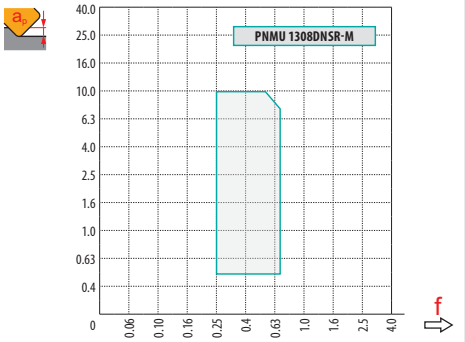


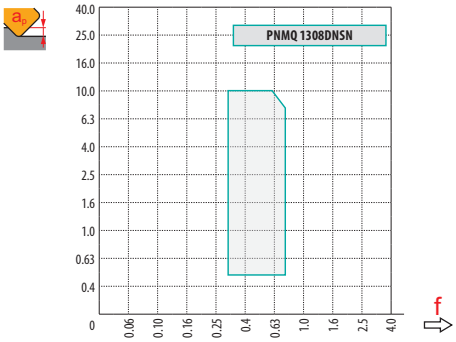
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

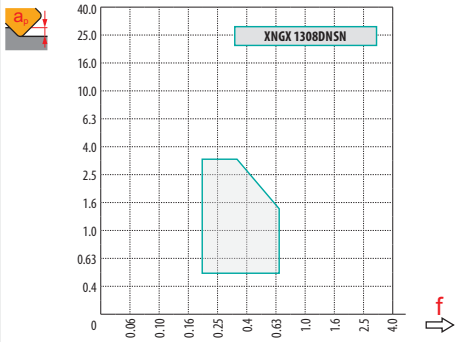
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
			W S																	
			修光刃设计，适用于改善表面光洁度。																	
XNGX 1308DNSN	M8330	–	■ 245	0.45	2.5	–	–	–	■ 230	0.45	2.5	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

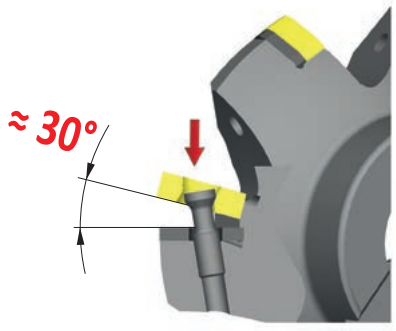
	PNMU 13-M	PNMQ 13	XNGX 13
RE	–	–	–
BS	3.00	3.00	12.71





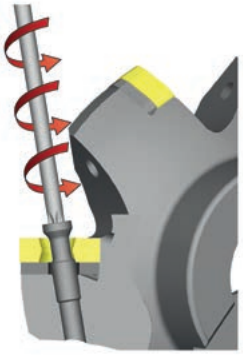


1



2

3



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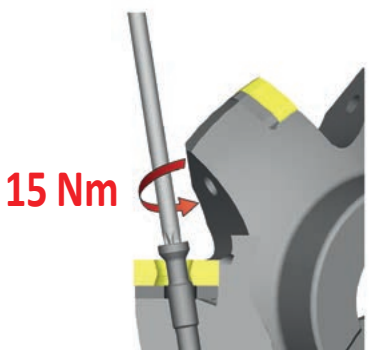
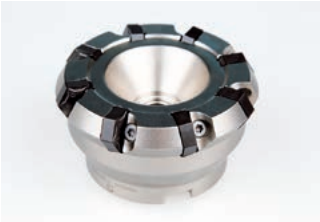


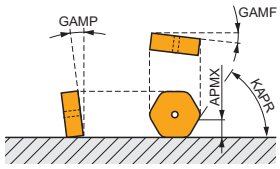
CHN09

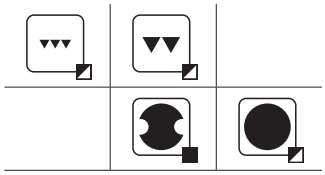


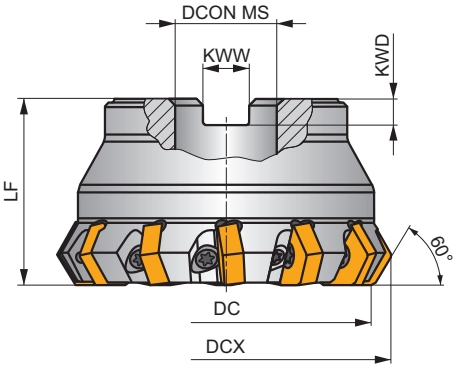
ECON HN 60°面铣，具有双面负前角设计，适用于铸铁

高效富有成效的60°面铣，使用双面HN.. 09类型刀片，具有APMX(最大切深)可达6 mm(取决于刀片类型))。优化后的铸铁面铣削。只提供芯轴式类型，尺寸范围是从Ø 80至Ø 200 mm。刀体经过处理，使用寿命更长。

KAPR	60°
APMX	6.0 mm







h_m 0.07 – 0.3

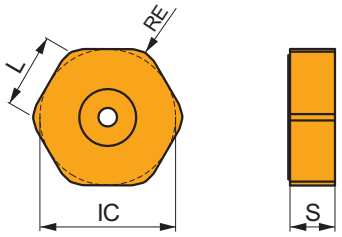
产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
80A08R-C60HN09	80	89.4	50	27	12.4	7	-5	-7.2	8	–	6200	–	1.45	GI262	FA094
80A12R-C60HN09	80	89.4	50	27	12.4	7	-5	-7.2	12	–	6200	–	1.39	GI262	FA094
100A10R-C60HN09	100	109.4	50	32	14.4	8	-5	-7.2	10	–	5600	–	2.44	GI262	FA095
100A16R-C60HN09	100	109.4	50	32	14.4	8	-5	-7.2	16	–	5600	–	2.32	GI262	FA095
125A12R-C60HN09	125	134.4	63	40	16.4	9	-5	-7.2	12	–	5000	–	4.23	GI262	FA096
125A20R-C60HN09	125	134.4	63	40	16.4	9	-5	-7.2	20	–	5000	–	4.09	GI262	FA096
160C16R-C60HN09	160	169.4	63	40	–	–	-5	-7.2	16	–	4400	–	6.20	GI262	FA091
200C20R-C60HN09	200	209.4	63	60	–	–	-5	-7.2	20	–	3900	–	11.08	GI262	FA091

GI262	HNEF 0905..	HNMF 0905..

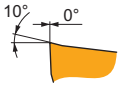
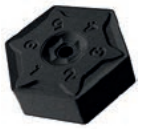
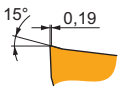
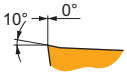
		Nm					
FA091	US 74016-T15P	3.5	M 4	16	D-T08P/T15P	FG-15	–
FA094	US 74016-T15P	3.5	M 4	16	D-T08P/T15P	FG-15	HS 1230C
FA095	US 74016-T15P	3.5	M 4	16	D-T08P/T15P	FG-15	HS 1635C
FA096	US 74016-T15P	3.5	M 4	16	D-T08P/T15P	FG-15	HS 2040C

HNEF 09

	IC (mm)	L (mm)	S (mm)
0905	16.200	9.40	5.64

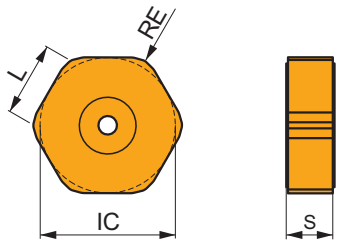


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

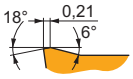
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			E																	
	F槽型，具有正前角设计，适用于轻载加工。																			
HNEF 0905DNFN-F	M5315	0.4	–	–	–	–	–	–	■ 380	0.15	1.5	–	–	–	–	–	–	–	–	–
																				
			1 E																	
	M槽型，具有前角设计，适用于轻载到中等加工。																			
HNEF 090508EN-M	M5315	0.8	–	–	–	–	–	–	■ 290	0.18	3.0	–	–	–	–	–	–	–	–	–
	M9325	0.8	–	–	–	–	–	–	■ 275	0.18	3.0	–	–	–	–	–	–	–	–	–
																				
			W E																	
	W槽型正前角设计，适用于精加工。																			
HNEF 0905ZZR-W	8215	0.8	–	–	–	–	–	–	■ 275	0.18	1.0	–	–	–	–	–	–	–	–	–
	M5315	0.8	–	–	–	–	–	–	■ 370	0.18	1.0	–	–	–	–	–	–	–	–	–

HNMF 09

	IC	L	S
	(mm)	(mm)	(mm)
0905	16.200	9.40	5.64



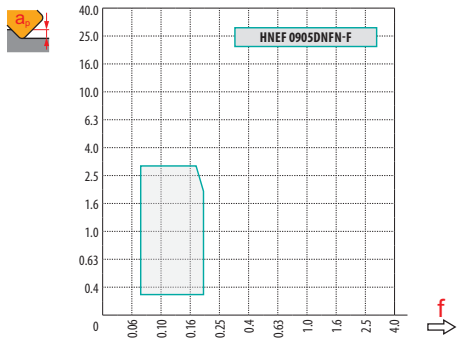
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

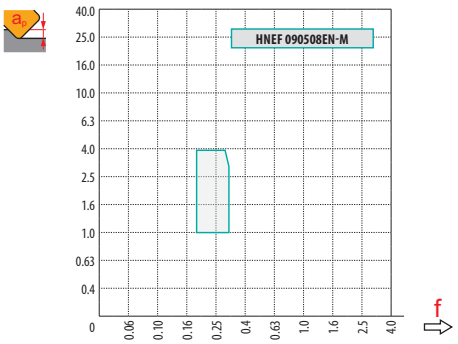
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
HNMF 090516SN-R	8215	1.6	–	–	–	–	–	–	■	210	0.30	3.0	–	–	–	–	–	–	–	–	–
	M5315	1.6	–	–	–	–	–	–	■	265	0.30	3.0	–	–	–	–	–	–	–	–	–
	M9325	1.6	–	–	–	–	–	–	■	260	0.30	3.0	–	–	–	–	–	–	–	–	–

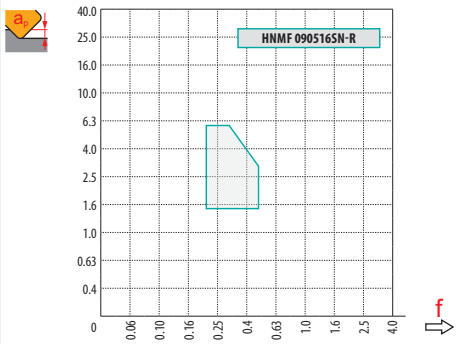
R槽型，具有负前角设计，适用于轻载和重载加工。

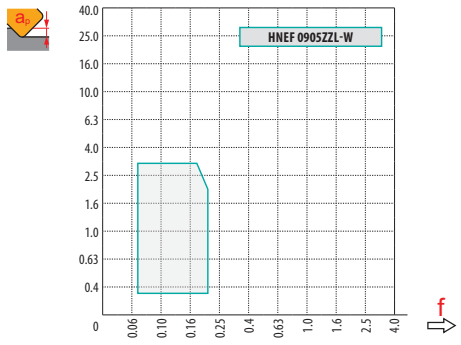
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

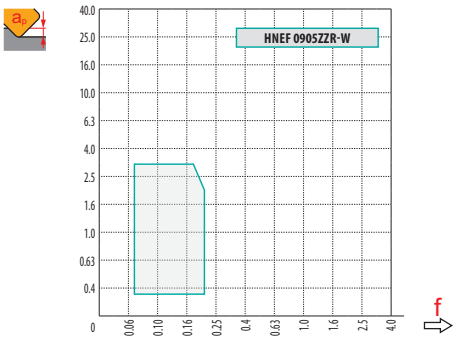
	HNEF 09-F	HNEF 09-M	HNMF 09-R	HNEF 09 ZZL-W	HNEF 09 ZZR-W
RE	–	–	–	–	–
BS	1.20	–	–	1.26	1.26

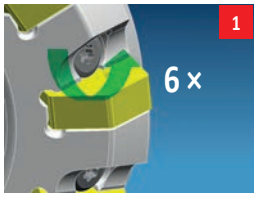


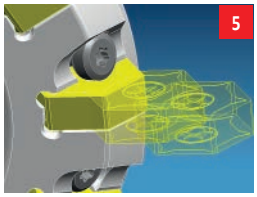












FSB22X

P M K

PRAMET

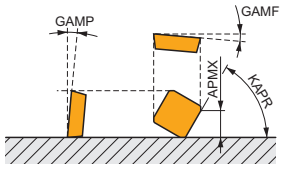
F

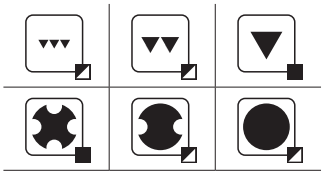
粗加工SB 60°面铣，具有正前角设计，适用于重载面铣削

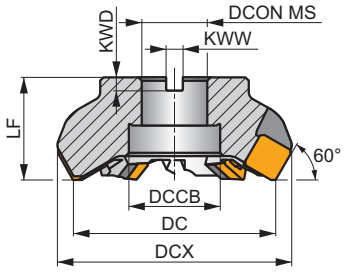
高效富有成效的60°面铣，使用单面SB..22类型刀片，具有APMX(最大切深)15 mm。优化的重载面铣，可提供平顺的切削操作。不等齿距，只提供芯轴式类型，尺寸范围是从Ø 125至Ø 315 mm。刀体经过处理，使用寿命更长。

ROUGH SB

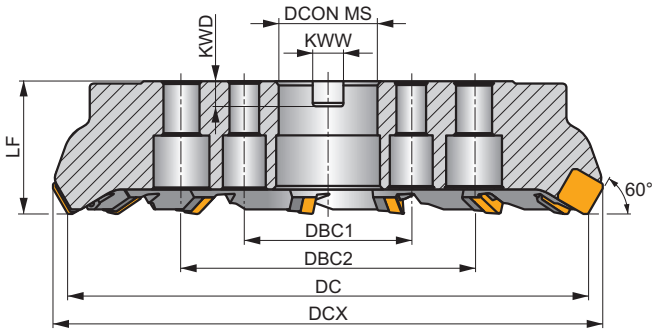
KAPR	60°
APMX	15.0 mm







DC 125 mm



DC 160 – 315 mm

h_m 0.15 – 0.5

	产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	DBC2 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	125B05R-F60SB22X	125	144.4	63	40	56	–	–	16.4	9	-9	9	5	✓	–	–	3.88	GI144	FA111	AC003
	125B07R-F60SB22X	125	144.4	63	40	56	–	–	16.4	9	-9	9	7	✓	–	–	3.64	GI144	FA111	AC003
	160C06R-F60SB22X	160	178.7	63	40	–	66.7	–	16.4	9	-9	9	6	✓	–	–	6.51	GI144	FA114	–
	160C08R-F60SB22X	160	178.7	63	40	–	66.7	–	16.4	9	-9	9	8	✓	–	–	6.30	GI144	FA114	–
ISO 6462 DIN 8030	**200C08R-F60SB22X**	200	217.9	63	60	–	101.6	–	25.7	14	-9	9	8	✓	–	–	10.59	GI144	FA115	–
	200C10R-F60SB22X	200	217.9	63	60	–	101.6	–	25.7	14	-9	9	10	✓	–	–	9.81	GI144	FA115	–
	250C09R-F60SB22X	250	267.4	63	60	–	101.6	–	25.7	14	-9	9	9	✓	–	–	17.54	GI144	FA115	–
	250C12R-F60SB22X	250	267.4	63	60	–	101.6	–	25.7	14	-9	9	12	✓	–	–	16.50	GI144	FA115	–
	315C11R-F60SB22X	315	331.8	80	60	–	101.6	177.8	25.7	14	-9	9	11	✓	–	–	36.00	GI144	FA115	–
	315C14R-F60SB22X	315	331.8	80	60	–	101.6	177.8	25.7	14	-9	9	14	✓	–	–	36.50	GI144	FA115	–

GI144	SBKX 2207DZ..	SBMR 2207DZ..

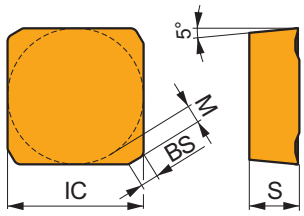
FA111	LNX 220616	US 6013-T20P	SDR T20P-T	KU SBMR 2207	DS 01Z	KL 04	–
FA114	LNX 220616	US 6013-T20P	SDR T20P-T	KU SBMR 2207	DS 01Z	KL 04	HS 1240
FA115	LNX 220616	US 6013-T20P	SDR T20P-T	KU SBMR 2207	DS 01Z	KL 04	HS 1655

AC003	KS 2040	K.FMH40

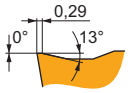
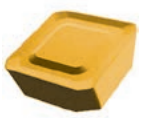
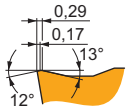
SBMR 22

PRAMET

	IC (mm)	M (mm)	S (mm)	BS (mm)
2207	22.000	3	8.00	1.99



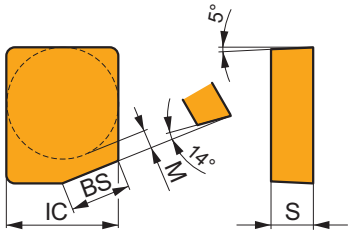
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			1 S																	
			稳定的设计，适用于重载加工。																	
SBMR 2207DZSR	M8326	–	140	0.38	8.5	–	–	–	130	0.38	8.5	–	–	–	–	–	–	–	–	–
	M8346	–	120	0.38	8.5	70	0.38	8.5	–	–	–	–	–	–	–	–	–	–	–	–
	M9325	–	175	0.38	8.5	–	–	–	165	0.38	8.5	–	–	–	–	–	–	–	–	–
			1 S																	
			R槽型，具有稳定设计，适用于重载加工。																	
SBMR 2207DZSR-R	M5326	–	160	0.44	9.8	–	–	–	150	0.44	9.8	–	–	–	–	–	–	–	–	–
	M8326	–	135	0.44	9.8	–	–	–	125	0.44	9.8	–	–	–	–	–	–	–	–	–
	M8346	–	115	0.44	9.8	65	0.40	9.8	–	–	–	–	–	–	–	–	–	–	–	–

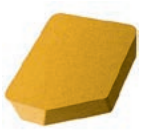
SBKX 22

PRAMET

	IC (mm)	M (mm)	S (mm)	BS (mm)
2207	22.000	3	8.00	11.84

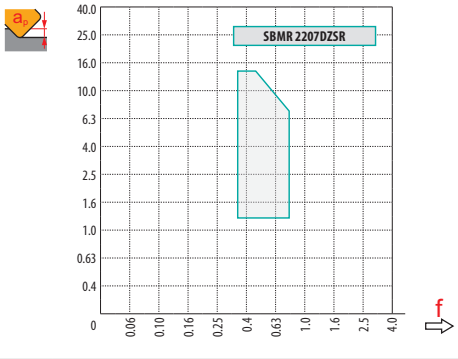


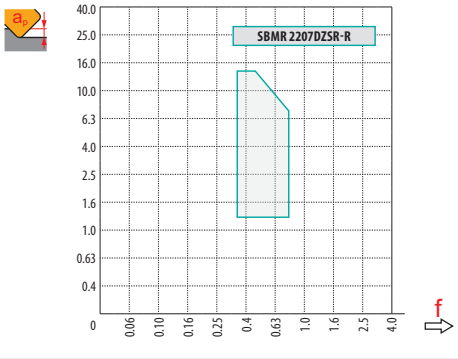
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

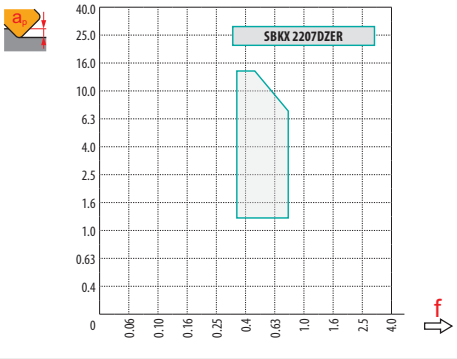
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			W E																	
			平板修光刃设计，适用于改善表面光洁度。																	
SBKX 2207DZER	M8326	–	100	0.60	8.5	–	–	–	95	0.60	8.5	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SBMR 22	SBMR 22-R	SBKX 22
RE	–	–	–
BS	1.99	1.99	11.84







DORMER PRAMET

全天候支持

我们的技术支持团队随时随地帮助您解决技术问题，答复有关技术应用的咨询。请通过详细联络信息联系当地Dormer Pramet经销商。简单可靠。

方肩铣

方肩铣

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	SAD07D	SAD11E	SAD16E	SAP10D	SAP16D
	90°	90°	90°	90°	90°
	APMX (mm) 5.0	APMX (mm) 9.0	APMX (mm) 13.0	APMX (mm) 9.0	APMX (mm) 13.0
	DC (mm) 10 – 32	DC (mm) 16 – 125	DC (mm) 25 – 175	DC (mm) 10 – 63	DC (mm) 25 – 160
圆柱刀柄	DC = 10 – 25 (mm)	DC = 16 – 35 (mm)	DC = 25 – 32 (mm)		
侧固刀柄		DC = 16 – 32 (mm)	DC = 25 – 40 (mm)	DC = 10 – 25 (mm)	DC = 25 – 40 (mm)
模块式刀柄	DC = 12 – 32 (mm)	DC = 16 – 40 (mm)	DC = 32 – 40 (mm)		
套式铣刀		DC = 40 – 125 (mm)	DC = 40 – 175 (mm)	DC = 40 – 63 (mm)	DC = 40 – 160 (mm)
页码	413	420	429	438	441
ISO	P M K N S	P M K N S H	P M K N S H	P M K N S	P M K N S
刀片形状					
刀片	AD.X 0702	AD.X 11T3	AD.X 1606	APKT 1003	AP.T 1604
切削刃数量	2	2	2	2	2
浅方肩铣	■	■	■	■	■
螺旋插补	■	■	■	■	■
浅槽铣	■	■	■	■	■
插铣	■	■	■	■	■
连续钻铣	■	■	■	■	■
坡走铣	■	■	■	■	■
平面铣	◪	◪	◪	◪	◪
形面铣（仿形铣）	◪	■	■		

■ 推荐使用　◪ 可以使用

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方肩铣

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	STN10	STN16 NEW	SLN12	SLN16	SSO05O	SSO09
	90°	90°	90°	90°	90°	90°
	APMX (mm) 5.0	APMX (mm) 10.0	APMX (mm) 9.0	APMX (mm) 13.0	APMX (mm) 4.5	APMX (mm) 8.0
	DC (mm) 18 – 32	DC (mm) 25 – 175	DC (mm) 25 – 125	DC (mm) 63 – 175	DC (mm) 12 – 40	DC (mm) 20 – 125
	DC = 18 – 35 (mm)	DC = 25 – 35 (mm)	DC = 25 – 32 (mm)		DC = 12 – 25 (mm)	
	DC = 20 – 32 (mm)	DC = 25 – 40 (mm)	DC = 25 – 40 (mm)		DC = 20 – 32 (mm)	DC = 20 – 32 (mm)
	DC = 20 – 32 (mm)	DC = 25 – 40 (mm)	DC = 25 – 40 (mm)			
	DC = 40 – 80 (mm)	DC = 40 – 175 (mm)	DC = 40 – 125 (mm)		DC = 32 – 40 (mm)	DC = 40 – 125 (mm)
	446	450	455	461	466	469
ISO	P M K N	P M K N	P M K N	P K N H	P M K S	P M K S
	TNGX 1004	TNGX 1606	LNG. 1205	LN.U 1607	SOMT 0502	SOMT 09T3
	6	6	4	4	4	4
	■	■	■	■	■	■
	◩	◩	◩			
	■	■	■	■	■	■
	◩		■	■	■	■
	◩		◩			
	◩		◩			
	■	■	◩			◩
			◩	◩	■	

■ 推荐使用 ◩ 可以使用

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方肩铣

	SSD12	FTB27X			
	90°	90°			
	APMX (mm) 10.0	APMX (mm) 18.0			
	DC (mm) 50 – 160	DC (mm) 140 – 260			
圆柱刀柄					
侧固刀柄					
模块式刀柄					
套式铣刀					
页码	472	475			
ISO	P M K N S	P M K			
刀片形状					
刀片	SDMT 1205	TBMR 2707			
切削刃数量	4	3			
浅方肩铣	■	■			
螺旋插补					
浅槽铣	■	◪			
插铣	■				
连续钻铣					
坡走铣					
平面铣	◪	◪			
形面铣（仿形铣）					

■ 推荐使用 ◪ 可以使用

SAD07D

P M K N S

PRAMET

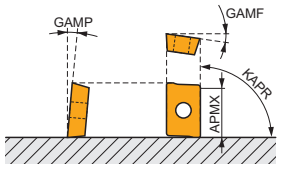
S

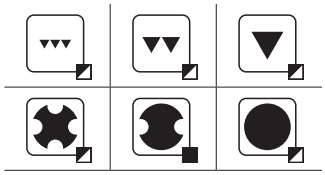
FORCE AD07带内冷的方肩铣刀

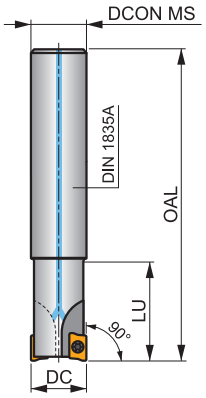
90˚方肩铣刀，使用正前角AD.. 07类型刀片，具有APMX(最大切深)5 mm。适用于面铣，方肩铣，铣槽，螺旋铣削，摆线加工，坡走铣和插铣。可提供圆柱柄和模块夹紧系统类型，具有不等齿距，尺寸范围从Ø 10至Ø 32 mm。刀体经过处理，使用寿命更长。

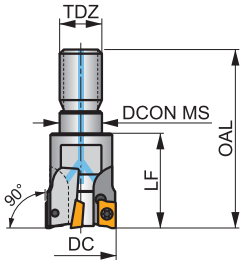
FORCE AD

KAPR	90°
APMX	5.0 mm









h_m 0.03 – 0.08

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
	10A2R016A08-SAD07D-C	10	100	8	16	–	–	-12	8	2	–	61600	✓	0.07	GI276	SQ010
	10A2R016A10-SAD07D-C	10	80	10	16	–	–	-12	8	2	–	61600	✓	0.07	GI276	SQ010
	10A2R018A08-SAD07D-CF	10	100	8	18	–	–	-12	8	2	–	61600	✓	0.07	GI276	SQ010
	10A2R018A10-SAD07D-CF	10	80	10	18	–	–	-12	8	2	–	61600	✓	0.07	GI276	SQ010
	12A2R018A10-SAD07D-C	12	120	10	18	–	–	-10	8	2	–	56300	✓	0.09	GI276	SQ010
	12A2R018A12-SAD07D-C	12	90	12	18	–	–	-10	8	2	–	56300	✓	0.10	GI276	SQ010
	12A3R018A12-SAD07D-C	12	90	12	18	–	–	-10	8	3	–	56200	✓	0.10	GI276	SQ010
	12A3R020A12-SAD07D-CF	12	90	12	20	–	–	-10	8	3	–	56200	✓	0.10	GI276	SQ010
	14A3R018A12-SAD07D-C	14	140	12	18	–	–	-9	8	3	–	52100	✓	0.15	GI276	SQ010
	14A3R018A14-SAD07D-C	14	90	14	18	–	–	-9	8	3	–	52100	✓	0.12	GI276	SQ010
DIN 1835A	**14A3R020A12-SAD07D-CF**	14	140	12	20	–	–	-9	8	3	–	52100	✓	0.14	GI276	SQ010
DIN 1835A	**14A3R020A14-SAD07D-CF**	14	90	14	20	–	–	-9	8	3	–	52100	✓	0.09	GI276	SQ010
	16A3R019A14-SAD07D-C	16	160	14	19	–	–	-8	8	3	–	48700	✓	0.21	GI276	SQ011
	16A3R019A16-SAD07D-C	16	110	16	19	–	–	-8	8	3	–	48700	✓	0.18	GI276	SQ011
	16A4R019A16-SAD07D-C	16	110	16	19	–	–	-8	8	4	–	48700	✓	0.18	GI276	SQ011
	18A4R019A16-SAD07D-C	18	180	16	19	–	–	-7.5	8	4	✓	45900	✓	0.28	GI276	SQ011
	18A4R019A18-SAD07D-C	18	110	18	19	–	–	-7.5	8	4	✓	45900	✓	0.22	GI276	SQ011
	20A4R020A18-SAD07D-C	20	200	18	20	–	–	-7	8	4	✓	43600	✓	0.38	GI276	SQ011
	20A4R020A20-SAD07D-C	20	125	20	20	–	–	-7	8	4	✓	43600	✓	0.30	GI276	SQ011
	20A5R020A20-SAD07D-C	20	125	20	20	–	–	-7	8	5	✓	43600	✓	0.30	GI276	SQ011
	25A5R024A25-SAD07D-C	25	140	25	24	–	–	-6.5	8	5	✓	39000	✓	0.52	GI276	SQ011
	25A6R024A25-SAD07D-C	25	140	25	24	–	–	-6.5	8	6	✓	39000	✓	0.52	GI276	SQ011
	12A2R020M06-SAD07D-C	12	35	6.5	–	20	M6	-10	8	2	–	–	✓	0.05	GI276	SQ010
	14A3R020M08-SAD07D-C	14	38	8.5	–	20	M8	-9	8	3	–	–	✓	0.05	GI276	SQ010
MODULAR	**14A3R023M08-SAD07D-CF**	14	41	8.5	–	23	M8	-9	8	3	–	–	✓	0.05	GI276	SQ010
MODULAR	**16A4R023M08-SAD07D-C**	16	41	8.5	–	23	M8	-8	8	4	✓	–	✓	0.06	GI276	SQ011
	20A5R030M10-SAD07D-C	20	49	10.5	–	30	M10	-7	8	5	✓	–	✓	0.09	GI276	SQ011

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
MODULAR	**25A6R035M12-SAD07D-C**	25	57	12.5	–	35	M12	-6.5	8	6	✓	–	✓	0.13	GI276	SQ011
MODULAR	**32A8R043M16-SAD07D-C**	32	66	17	–	43	M16	-6	8	8	✓	–	✓	0.25	GI276	SQ011

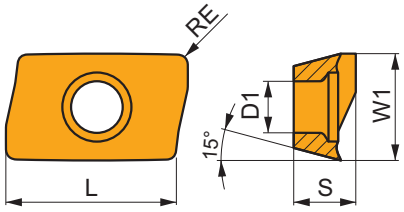
GI276	ADMX 0702..

		Nm			
SQ010	US 62003A-T06P	0.6	M 2	3	Flag T06P
SQ011	US 62004A-T06P	0.6	M 2	4	Flag T06P

ADMX 07

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
0702	4.482	2.20	6.95	2.48



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
NEW	0,03 31°																			
			F槽型，具有非常锋利正前角设计，适用于轻载加工。																	
ADMX 070202SR-F	**M8330**	0.2	220	0.07	2.0	130	0.06	2.0	–	–	–	660	0.08	2.0	55	0.05	1.6	–	–	–
	M8340	0.2	200	0.07	2.0	120	0.06	2.0	–	–	–	–	–	–	50	0.05	1.6	–	–	–
ADMX 070204SR-F	**M6330**	0.4	200	0.07	2.0	140	0.06	2.0	–	–	–	–	–	–	60	0.05	1.6	–	–	–
	M8310	0.4	265	0.07	2.0	135	0.06	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.4	235	0.07	2.0	140	0.06	2.0	–	–	–	705	0.08	2.0	55	0.05	1.6	–	–	–
	M8340	0.4	215	0.07	2.0	125	0.06	2.0	–	–	–	–	–	–	50	0.05	1.6	–	–	–
	M9340	0.4	290	0.07	2.0	170	0.06	2.0	–	–	–	–	–	–	70	0.05	1.6	–	–	–
ADMX 070208SR-F	**M6330**	0.8	240	0.07	2.0	170	0.06	2.0	–	–	–	–	–	–	70	0.05	1.6	–	–	–
	M8310	0.8	320	0.07	2.0	160	0.06	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.8	280	0.07	2.0	165	0.06	2.0	–	–	–	840	0.08	2.0	70	0.05	1.6	–	–	–
	M8340	0.8	255	0.07	2.0	150	0.06	2.0	–	–	–	–	–	–	60	0.05	1.6	–	–	–
	0,03 21°																			
			M槽型，具有前角设计，适用于轻载到中等加工。																	
ADMX 070202SR-M	**8215**	0.2	210	0.09	2.2	125	0.08	2.2	195	0.09	2.2	630	0.11	2.2	50	0.06	1.8	–	–	–
	M8330	0.2	205	0.09	2.2	120	0.08	2.2	190	0.09	2.2	615	0.11	2.2	50	0.06	1.8	–	–	–
	M8340	0.2	185	0.09	2.2	110	0.08	2.2	175	0.09	2.2	–	–	–	45	0.06	1.8	–	–	–

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

M槽型，具有前角设计，适用于轻载到中等加工。

产品型号		RE (mm)	P	vc (m/min)	f (mm/tooth)	ap (mm)	M	vc (m/min)	f (mm/tooth)	ap (mm)	K	vc (m/min)	f (mm/tooth)	ap (mm)	N	vc (m/min)	f (mm/tooth)	ap (mm)	S	vc (m/min)	f (mm/tooth)	ap (mm)	H	vc (m/min)	f (mm/tooth)	ap (mm)
ADMX 070204SR-M	**8215**	0.4	■	225	0.09	2.2	◩	135	0.08	2.2	◩	210	0.09	2.2	◩	675	0.11	2.2	◩	55	0.06	1.8		–	–	–
	M6330	0.4	■	190	0.09	2.2	◩	135	0.08	2.2		–	–	–		–	–	–	◩	55	0.06	1.8		–	–	–
	M8310	0.4	■	245	0.09	2.2	◩	120	0.08	2.2	◩	230	0.09	2.2		–	–	–		–	–	–		–	–	–
	M8330	0.4	■	220	0.09	2.2	◩	130	0.08	2.2	◩	205	0.09	2.2	◩	660	0.11	2.2	◩	55	0.06	1.8		–	–	–
	M8340	0.4	■	200	0.09	2.2	◩	120	0.08	2.2	◩	190	0.09	2.2		–	–	–	◩	50	0.06	1.8		–	–	–
	M9340	0.4	■	265	0.09	2.2	◩	155	0.08	2.2		–	–	–		–	–	–	◩	65	0.06	1.8		–	–	–
ADMX 070208SR-M	**8215**	0.8	■	270	0.09	2.2	◩	160	0.08	2.2	◩	255	0.09	2.2	◩	810	0.11	2.2	◩	65	0.06	1.8		–	–	–
	M6330	0.8	■	225	0.09	2.2	◩	160	0.08	2.2		–	–	–		–	–	–	◩	65	0.06	1.8		–	–	–
	M8310	0.8	■	290	0.09	2.2	◩	145	0.08	2.2	◩	275	0.09	2.2		–	–	–		–	–	–		–	–	–
	M8330	0.8	■	260	0.09	2.2	◩	155	0.08	2.2	◩	245	0.09	2.2	◩	780	0.11	2.2	◩	65	0.06	1.8		–	–	–
	M8340	0.8	■	240	0.09	2.2	◩	140	0.08	2.2	◩	225	0.09	2.2		–	–	–	◩	60	0.06	1.8		–	–	–
	M9340	0.8	■	315	0.09	2.2	◩	185	0.08	2.2		–	–	–		–	–	–	◩	75	0.06	1.8		–	–	–
ADMX 070212SR-M	**M8340**	1.2	■	250	0.09	2.2	◩	150	0.08	2.2	◩	235	0.09	2.2		–	–	–	◩	60	0.06	1.8		–	–	–
ADMX 070216SR-M	**M8310**	1.6	■	320	0.09	2.2	◩	160	0.08	2.2	◩	300	0.09	2.2		–	–	–		–	–	–		–	–	–
	M8330	1.6	■	290	0.09	2.2	◩	170	0.08	2.2	◩	275	0.09	2.2	◩	870	0.11	2.2	◩	70	0.06	1.8		–	–	–
	M8340	1.6	■	265	0.09	2.2	◩	155	0.08	2.2	◩	250	0.09	2.2		–	–	–	◩	65	0.06	1.8		–	–	–
ADMX 070220SR-M	**M6330**	2.0	■	260	0.09	2.2	◩	185	0.08	2.2		–	–	–		–	–	–	◩	75	0.06	1.8		–	–	–
	M8310	2.0	■	340	0.09	2.2	◩	170	0.08	2.2	◩	320	0.09	2.2		–	–	–		–	–	–		–	–	–
	M8330	2.0	■	300	0.09	2.2	◩	180	0.08	2.2	◩	285	0.09	2.2	◩	900	0.11	2.2	◩	75	0.06	1.8		–	–	–
	M8340	2.0	■	275	0.09	2.2	◩	165	0.08	2.2	◩	260	0.09	2.2		–	–	–	◩	65	0.06	1.8		–	–	–

ADEX 07-HF

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
0702	4.439	2.20	6.45	2.48

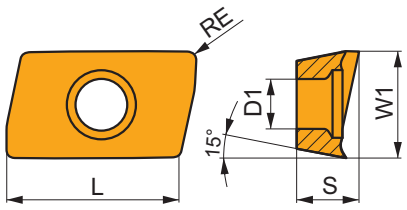
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

HF槽型，具有大正前角设计，适用于快进给。

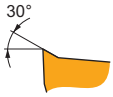
产品型号		RE (mm)	P	vc (m/min)	f (mm/tooth)	ap (mm)	M	vc (m/min)	f (mm/tooth)	ap (mm)	K	vc (m/min)	f (mm/tooth)	ap (mm)	N	vc (m/min)	f (mm/tooth)	ap (mm)	S	vc (m/min)	f (mm/tooth)	ap (mm)	H	vc (m/min)	f (mm/tooth)	ap (mm)
ADEX 070206SR-HF	**M6330**	0.6	■	200	0.60	0.3	◩	140	0.54	0.3		–	–	–		–	–	–		–	–	–		–	–	–
	M8330	0.6	■	225	0.60	0.3	◩	135	0.54	0.3		–	–	–		–	–	–		–	–	–		–	–	–
	M8340	0.6	■	215	0.60	0.3	◩	125	0.54	0.3		–	–	–		–	–	–		–	–	–		–	–	–

ADEX 07-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
0702	4.497	2.20	6.95	2.48

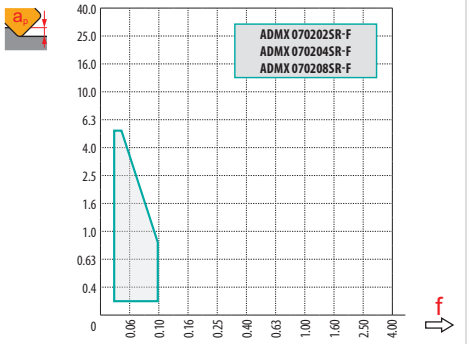


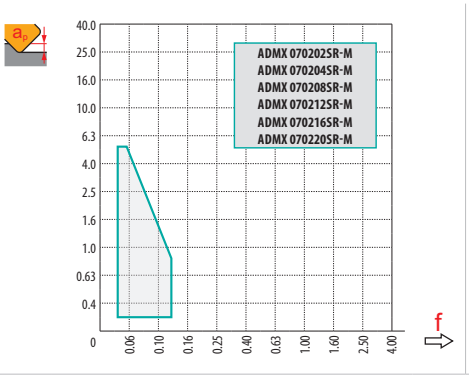
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

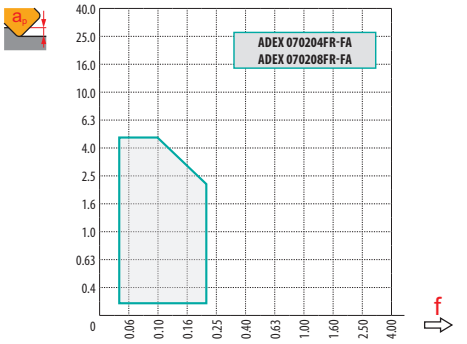
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
ADEX 070204FR-FA	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■ 240	0.18	3.0	–	–	–	–	–	–
	M0315	0.4	–	–	–	–	–	–	–	–	–	■ 555	0.18	3.0	–	–	–	–	–	–
ADEX 070208FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■ 285	0.18	3.0	–	–	–	–	–	–

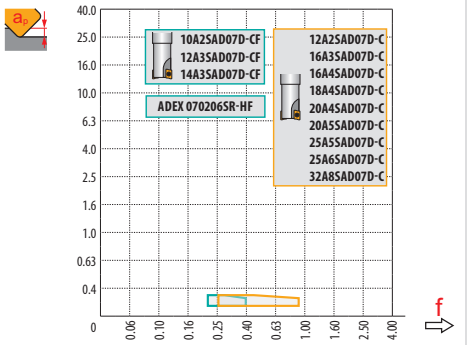
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	ADMX 07-F			ADMX 07-M						ADEX 07-HF	ADEX 07-FA	
RE	0.2	0.4	0.8	0.2	0.4	0.8	1.2	1.6	2.0	0.6	0.4	0.8
BS	1.38	0.89	0.54	1.38	0.89	0.54	1.07	0.7	0.33	–	0.94	0.55









ADEX 07-HF					HFC			
DC	a_p	0	0.1	0.2	0.3	a_p	0.1	0.2	0.3
10		5.6	7.8	8.7	9.4				
12		7.6	9.8	10.7	11.4				
14		9.6	11.8	12.7	13.4				
16	DEF	11.6	13.8	14.7	15.4				
18		13.6	15.8	16.7	17.4				
20		15.6	17.8	18.7	19.4				
25		20.6	22.8	23.7	24.4				
32		27.6	29.8	30.7	31.4	1 ⇨ f	0.9	0.8	0.6

3.0

				HFC		
a_p	1.0	3.0	5.0	0.1	0.2	0.3
1 f	0.13	0.08	0.05	0.7	0.6	0.4

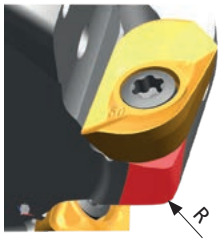
			HFC	
DC	RPMX	APMX/I	RPMX	APMX/I
10	5.2	5.0/56	3.5	0.3/6
12	3.4	5.0/86	2.2	0.3/9
14	2.5	4.2/100	1.6	0.3/12
16	1.9	3.2/100	1.3	0.3/15
18	1.7	2.8/100	1.1	0.3/17
20	1.5	2.5/100	0.9	0.3/21
25	1.1	1.8/100	0.7	0.3/26
32	0.8	1.2/100	0.5	0.3/36

					HFC			
DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
10	12.0	20.0	0.5	2.8	12	20	0.30	0.30
12	16.0	24.0	0.7	2.2	16	24	0.30	0.30
14	20.0	28.0	0.8	1.9	20	28	0.30	0.30
16	24.0	32.0	0.8	1.6	24	32	0.30	0.30
18	28.0	36.0	0.9	1.6	28	36	0.30	0.30
20	32.0	40.0	0.9	1.6	32	40	0.30	0.30
25	42.0	50.0	1.0	1.5	42	50	0.30	0.30
32	56.0	64.0	1.0	1.4	56	64	0.30	0.30

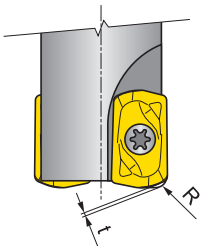
0.5

	HFC
a_p	
	0.3

DC	µm	3	5	10	15	20	30	40	50	60	80	100
10		0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000
12		0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191
14		0.410	0.529	0.748	0.917	1.058	1.296	1.497	1.673	1.833	2.117	2.366
16	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
18		0.465	0.600	0.849	1.039	1.200	1.470	1.697	1.897	2.078	2.400	2.683
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578



ADMX 07	R
ADMX 070216SR-M	1
ADMX 070220SR-M	1.5
ADEX 070206SR-HF	1



ADEX 07	R	t
ADEX 070206SR-HF	0.8	0.18

SAD11E

P M K N S H

PRAMET

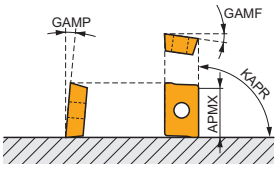
S

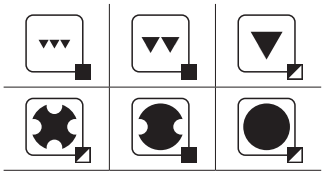
FORCE AD11带内冷的方肩铣刀

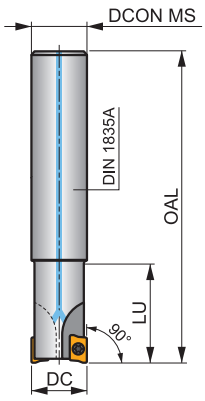
90˚方肩铣刀和面铣刀，使用正前角AD.. 11类型刀片，具有APMX(最大切深)9 mm。适用于面铣，方肩铣，铣槽，螺旋铣削，摆线加工，坡走铣和插铣。可提供圆柱柄，侧固柄，莫氏锥柄，模块夹紧系统和芯轴式(具有不等齿距)类型，尺寸范围从Ø 16至Ø 125 mm。刀体经过处理，使用寿命更长。

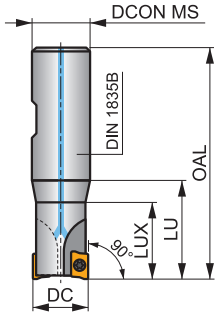
FORCE AD

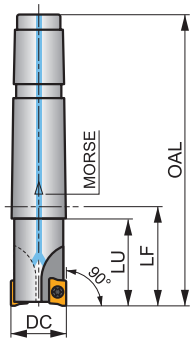
KAPR	90°
APMX	9.0 mm

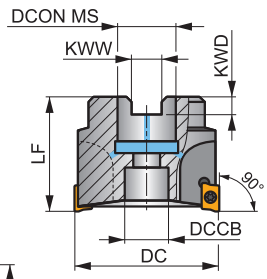


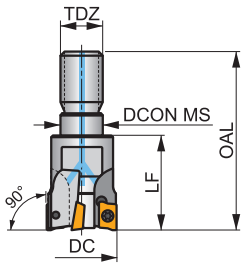


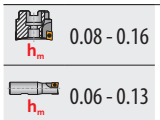












	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	CZC MS	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	16A2R024A14-SAD11E-C	16	160	14	–	24	–	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.21	GI169	SQ025	–
	16A2R024A16-SAD11E-C	16	135	16	–	24	–	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.19	GI169	SQ025	–
	16A2R050A16-SAD11E-C	16	135	16	–	50	–	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.20	GI169	SQ025	–
	18A2R029A20-SAD11E-C	18	150	20	–	29	–	–	–	–	–	–	-12	4.5	2	–	28400	✓	0.35	GI169	SQ025	–
	20A2R029A20-SAD11E-C	20	150	20	–	29	–	–	–	–	–	–	-11.5	5	2	–	27000	✓	0.33	GI169	SQ020	–
	20A2R070A20-SAD11E-C	20	150	20	–	70	–	–	–	–	–	–	-11.5	5	2	–	27000	✓	0.32	GI169	SQ020	–
	20A3R029A18-SAD11E-C	20	200	18	–	29	–	–	–	–	–	–	-11.5	5	3	–	27000	✓	0.38	GI169	SQ025	–
	20A3R029A20-SAD11E-C	20	150	20	–	29	–	–	–	–	–	–	-11.5	5	3	–	27000	✓	0.33	GI169	SQ025	–
DIN 1835A	**22A3R029A20-SAD11E-C**	22	200	20	–	29	–	–	–	–	–	–	-11.5	5	3	–	25600	✓	0.49	GI169	SQ025	–
	25A3R034A25-SAD11E-C	25	170	25	–	34	–	–	–	–	–	–	-10.2	5	3	–	24100	✓	0.42	GI169	SQ020	–
	25A3R080A25-SAD11E-C	25	170	25	–	80	–	–	–	–	–	–	-10.2	5	3	–	24100	✓	0.55	GI169	SQ020	–
	25A4R034A25-SAD11E-C	25	170	25	–	34	–	–	–	–	–	–	-10.2	5	4	–	24100	✓	0.42	GI169	SQ025	–
	25A4R040A25-SAD11E-C	25	250	25	–	40	–	–	–	–	–	–	-10.2	5	4	–	24100	✓	0.86	GI169	SQ025	–
	30A3R080A32-SAD11E-C	30	200	32	–	80	–	–	–	–	–	–	-9.3	7	3	–	22000	✓	1.02	GI169	SQ020	–
	32A3R090A32-SAD11E-C	32	195	32	–	90	–	–	–	–	–	–	-9	5	3	–	21300	✓	1.01	GI169	SQ020	–
	32A5R034A32-SAD11E-C	32	195	32	–	34	–	–	–	–	–	–	-9	8	5	–	21300	✓	1.03	GI169	SQ025	–
	35A5R025A32-SAD11E-C	35	200	32	–	25	–	–	–	–	–	–	-9	8	5	–	20300	✓	1.16	GI169	SQ020	–
	16A2R027B16-SAD11E-C	16	75	16	–	–	27	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.09	GI169	SQ025	–
	20A2R032B20-SAD11E-C	20	82	20	–	–	32	–	–	–	–	–	-11.5	5	2	–	27000	✓	0.13	GI169	SQ020	–
	20A3R032B20-SAD11E-C	20	82	20	–	–	32	–	–	–	–	–	-11.5	5	3	–	27000	✓	0.13	GI169	SQ025	–
DIN 1835B	**25A3R042B25-SAD11E-C**	25	98	25	–	–	42	–	–	–	–	–	-10.2	5	3	–	24100	✓	0.29	GI169	SQ020	–
	25A4R042B25-SAD11E-C	25	98	25	–	–	42	–	–	–	–	–	-10.2	5	4	–	24100	✓	0.31	GI169	SQ025	–
	32A4R042B32-SAD11E-C	32	102	32	–	–	42	–	–	–	–	–	-9	8	4	–	21300	✓	0.27	GI169	SQ020	–
	32A5R042B32-SAD11E-C	32	102	32	–	–	42	–	–	–	–	–	-9	8	5	–	21300	✓	0.52	GI169	SQ025	–
	16A2R030E02-SAD11E-C	16	94	–	–	25	–	30	–	2	–	–	-12.8	4	2	–	30100	✓	0.15	GI169	SQ025	–
DIN 228A	**20A3R035E03-SAD11E-C**	20	116	–	–	30	–	35	–	3	–	–	-11.5	5	3	–	27000	✓	0.28	GI169	SQ025	–
	25A4R043E03-SAD11E-C	25	124	–	–	38	–	43	–	3	–	–	-10.2	5	4	–	24100	✓	0.32	GI169	SQ025	–

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	CZC MS	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
MODULAR	**16A2R024M08-SAD11E-C**	16	38	8.5	–	–	–	24	M8	–	–	–	-12.8	4	2	–	–	✓	0.04	GI169	SQ025	–
	20A2R026M10-SAD11E-C	20	45	11	–	–	–	26	M10	–	–	–	-11.5	5	2	–	–	✓	0.09	GI169	SQ020	–
	20A3R026M10-SAD11E-C	20	45	10.5	–	–	–	26	M10	–	–	–	-11.5	5	3	–	–	✓	0.06	GI169	SQ025	–
	25A3R033M12-SAD11E-C	25	55	12.5	–	–	–	33	M12	–	–	–	-10.2	5	3	–	–	✓	0.15	GI169	SQ020	–
	25A4R033M12-SAD11E-C	25	55	12.5	–	–	–	33	M12	–	–	–	-10.2	5	4	–	–	✓	0.09	GI169	SQ025	–
	32A4R043M16-SAD11E-C	32	66	17	–	–	–	43	M16	–	–	–	-9	8	4	–	–	✓	0.21	GI169	SQ020	–
	32A5R043M16-SAD11E-C	32	66	17	–	–	–	43	M16	–	–	–	-9	8	5	–	–	✓	0.19	GI169	SQ025	–
	40A4R043M16-SAD11E-C	40	66	17	–	–	–	43	M16	–	–	–	-8.1	11	4	–	–	✓	0.27	GI169	SQ020	–
	40A6R043M16-SAD11E-C	40	66	17	–	–	–	43	M16	–	–	–	-8.1	11	6	–	–	✓	0.21	GI169	SQ020	–
ISO 6462 DIN 8030	**40A04R-S90AD11E-C**	40	–	16	14	–	–	40	–	–	8.4	5.6	-8.1	11	4	✓	19100	✓	0.16	GI169	SQ022	–
	40A05R-S90AD11E-C	40	–	16	14	–	–	40	–	–	8.4	5.6	-8.1	11	5	✓	19000	✓	0.32	GI169	SQ022	–
	40A06R-S90AD11E-C	40	–	16	14	–	–	40	–	–	8.4	5.6	-8.1	11	6	✓	19100	✓	0.16	GI169	SQ022	–
	50A05R-S90AD11E-C	50	–	22	18	–	–	40	–	–	10.4	6.3	-7.2	12	5	✓	17000	✓	0.31	GI169	SQ023	–
	50A07R-S90AD11E-C	50	–	22	18	–	–	40	–	–	10.4	6.3	-7.2	12	7	✓	17000	✓	0.45	GI169	SQ023	–
	63A06R-S90AD11E-C	63	–	22	18	–	–	40	–	–	10.4	6.3	-6.5	12	6	✓	15200	✓	0.54	GI169	SQ023	–
	63A09R-S90AD11E-C	63	–	22	18	–	–	40	–	–	10.4	6.3	-6.5	12	9	✓	15200	✓	0.63	GI169	SQ023	–
	80A10R-S90AD11E-C	80	–	27	38	–	–	50	–	–	12.4	7	-6	12	10	✓	13500	✓	1.05	GI169	SQ021	AC001
	100A11R-S90AD11E-C	100	–	32	45	–	–	50	–	–	14.4	8	-5.5	12	11	✓	12100	✓	1.89	GI169	SQ021	AC002
	125A12R-S90AD11E-C	125	–	40	56	–	–	63	–	–	16.4	9	-5.2	12	12	✓	10800	✓	2.97	GI169	SQ021	AC003

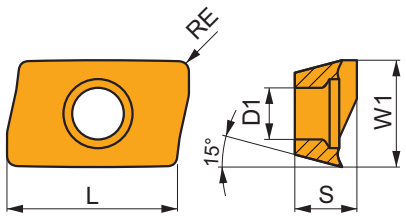
GI169	ADMX 11T3..	ADEX 11T3..

		Nm						
SQ020	US 62506-T07P	1.2	M 2.5	6	–	–	Flag T07P	–
SQ021	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	–
SQ022	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	HS 0830C
SQ023	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	HS 1030C
SQ025	US 62505-T07P	1.2	M 2.5	5	–	–	Flag T07P	–

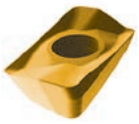
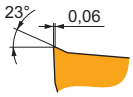
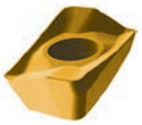
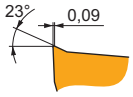
AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

ADMX 11

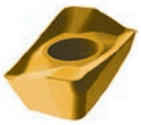
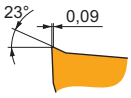
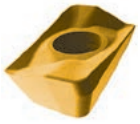
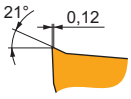
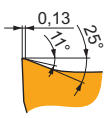
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.530	2.90	11.00	3.97



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

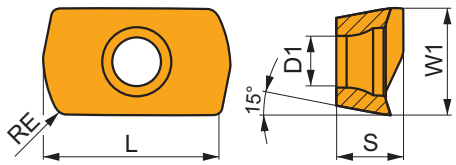
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
F槽型，具有非常锋利正前角设计，适用于轻载加工。																				
ADMX 11T304SR-F	**8215**	0.4	245	0.10	2.0	145	0.09	2.0	230	0.10	2.0	735	0.12	2.0	60	0.08	1.6	–	–	–
	M8310	0.4	270	0.10	2.0	135	0.09	2.0	255	0.10	2.0	–	–	–	–	–	–	–	–	–
	M8330	0.4	240	0.10	2.0	140	0.09	2.0	225	0.10	2.0	720	0.12	2.0	60	0.08	1.6	–	–	–
	M8340	0.4	220	0.10	2.0	130	0.09	2.0	205	0.10	2.0	–	–	–	55	0.08	1.6	–	–	–
	M9340	0.4	285	0.10	2.0	170	0.09	2.0	–	–	–	–	–	–	70	0.08	1.6	–	–	–
ADMX 11T308SR-F	**8215**	0.8	290	0.10	2.0	170	0.09	2.0	275	0.10	2.0	870	0.12	2.0	70	0.08	1.6	–	–	–
	M8330	0.8	285	0.10	2.0	170	0.09	2.0	270	0.10	2.0	855	0.12	2.0	70	0.08	1.6	–	–	–
	M8340	0.8	260	0.10	2.0	155	0.09	2.0	245	0.10	2.0	–	–	–	65	0.08	1.6	–	–	–
	M9340	0.8	340	0.10	2.0	200	0.09	2.0	–	–	–	–	–	–	85	0.08	1.6	–	–	–
																				
M槽型，具有前角设计，适用于轻载到中等加工。																				
ADMX 11T302SR-M	**M8330**	0.2	190	0.15	4.0	110	0.14	4.0	180	0.15	4.0	–	–	–	45	0.12	3.2	–	–	–
	M8340	0.2	170	0.15	4.0	100	0.14	4.0	160	0.15	4.0	–	–	–	40	0.12	3.2	–	–	–
ADMX 11T304SR-M	**8215**	0.4	205	0.15	4.0	120	0.14	4.0	190	0.15	4.0	–	–	–	50	0.12	3.2	–	–	–
	M8310	0.4	220	0.15	4.0	110	0.14	4.0	205	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8330	0.4	205	0.15	4.0	120	0.14	4.0	190	0.15	4.0	–	–	–	50	0.12	3.2	–	–	–
	M8340	0.4	185	0.15	4.0	110	0.14	4.0	175	0.15	4.0	–	–	–	45	0.12	3.2	–	–	–
	M9325	0.4	255	0.15	4.0	–	–	–	240	0.15	4.0	–	–	–	–	–	–	–	–	–
	M9340	0.4	235	0.15	4.0	140	0.14	4.0	–	–	–	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T308SR-M	**8215**	0.8	245	0.15	4.0	145	0.14	4.0	230	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
	M5315	0.8	335	0.15	4.0	–	–	–	315	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8310	0.8	265	0.15	4.0	135	0.14	4.0	250	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	245	0.15	4.0	145	0.14	4.0	230	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
	M8340	0.8	220	0.15	4.0	130	0.14	4.0	205	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
	M9315	0.8	330	0.15	4.0	–	–	–	310	0.15	4.0	–	–	–	–	–	–	–	–	–
	M9325	0.8	305	0.15	4.0	–	–	–	285	0.15	4.0	–	–	–	–	–	–	–	–	–
	M9340	0.8	275	0.15	4.0	165	0.14	4.0	–	–	–	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T310SR-M	**M8330**	1.0	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
	M8340	1.0	230	0.15	4.0	135	0.14	4.0	215	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T312SR-M	**8215**	1.2	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
	M8330	1.2	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
	M8340	1.2	230	0.15	4.0	135	0.14	4.0	215	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T316SR-M	**8215**	1.6	270	0.15	4.0	160	0.14	4.0	255	0.15	4.0	–	–	–	65	0.12	3.2	–	–	–
	M6330	1.6	230	0.15	4.0	165	0.14	4.0	–	–	–	–	–	–	65	0.12	3.2	–	–	–
	M8310	1.6	295	0.15	4.0	150	0.14	4.0	280	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8330	1.6	270	0.15	4.0	160	0.14	4.0	255	0.15	4.0	–	–	–	65	0.12	3.2	–	–	–
	M8340	1.6	240	0.15	4.0	140	0.14	4.0	225	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

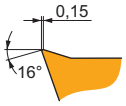
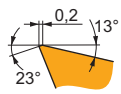
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
M槽型，具有前角设计，适用于轻载到中等加工。																				
ADMX 11T320SR-M	**M6330**	2.0	■ 240	0.15	4.0	■ 170	0.14	4.0	–	–	–	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8330	2.0	■ 280	0.15	4.0	■ 165	0.14	4.0	■ 265	0.15	4.0	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8340	2.0	■ 255	0.15	4.0	■ 150	0.14	4.0	◪ 240	0.15	4.0	–	–	–	◪ 60	0.12	3.2	–	–	–
ADMX 11T325SR-M	**M6330**	2.5	■ 240	0.15	4.0	■ 170	0.14	4.0	–	–	–	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8340	2.5	■ 255	0.15	4.0	■ 150	0.14	4.0	◪ 240	0.15	4.0	–	–	–	◪ 60	0.12	3.2	–	–	–
ADMX 11T330SR-M	**M6330**	3.0	■ 240	0.15	4.0	■ 170	0.14	4.0	–	–	–	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8330	3.0	■ 280	0.15	4.0	■ 165	0.14	4.0	■ 265	0.15	4.0	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8340	3.0	■ 255	0.15	4.0	■ 150	0.14	4.0	◪ 240	0.15	4.0	–	–	–	◪ 60	0.12	3.2	–	–	–
																				
R槽型，具有正前角设计，适用于不稳定的工况。																				
ADMX 11T308PR-R	**8215**	0.8	■ 230	0.18	4.0	◪ 135	0.16	4.0	■ 215	0.18	4.0	–	–	–	◪ 55	0.16	3.2	◪ 45	0.15	1.0
	M5315	0.8	◪ 310	0.18	4.0	–	–	–	■ 290	0.18	4.0	–	–	–	–	–	–	◪ 60	0.15	1.0
	M8310	0.8	■ 250	0.18	4.0	◪ 125	0.16	4.0	■ 235	0.18	4.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	M8330	0.8	■ 230	0.18	4.0	◪ 135	0.16	4.0	■ 215	0.18	4.0	–	–	–	◪ 55	0.16	3.2	◪ 45	0.15	1.0
	M8340	0.8	■ 210	0.18	4.0	◪ 125	0.16	4.0	◪ 195	0.18	4.0	–	–	–	◪ 50	0.16	3.2	–	–	–
	M9315	0.8	■ 310	0.18	4.0	–	–	–	■ 290	0.18	4.0	–	–	–	–	–	–	◪ 60	0.15	1.0
	M9325	0.8	■ 290	0.18	4.0	–	–	–	■ 275	0.18	4.0	–	–	–	–	–	–	◪ 55	0.15	1.0
ADMX 11T316PR-R	**8215**	1.6	■ 255	0.18	4.0	◪ 150	0.16	4.0	■ 240	0.18	4.0	–	–	–	◪ 60	0.16	3.2	◪ 50	0.15	1.0
	M8330	1.6	■ 255	0.18	4.0	◪ 150	0.16	4.0	■ 240	0.18	4.0	–	–	–	◪ 60	0.16	3.2	◪ 50	0.15	1.0
	M9325	1.6	■ 320	0.18	4.0	–	–	–	■ 300	0.18	4.0	–	–	–	–	–	–	◪ 60	0.15	1.0
MF槽型，具有大正前角设计，适用于轻载到精加工。																				
ADMX 11T304SR-MF	**M6330**	0.4	■ 215	0.08	2.5	■ 150	0.07	2.5	–	–	–	–	–	–	■ 60	0.06	2.0	–	–	–
	M8340	0.4	■ 220	0.08	2.5	■ 130	0.07	2.5	–	–	–	–	–	–	■ 55	0.06	2.0	–	–	–
ADMX 11T308SR-MF	**M6330**	0.8	■ 255	0.08	2.5	■ 180	0.07	2.5	–	–	–	–	–	–	■ 75	0.06	2.0	–	–	–
	M8340	0.8	■ 265	0.08	2.5	■ 155	0.07	2.5	–	–	–	–	–	–	■ 65	0.06	2.0	–	–	–
	M9340	0.8	■ 360	0.08	2.5	■ 215	0.07	2.5	–	–	–	–	–	–	■ 90	0.06	2.0	–	–	–
																				
MM槽型，具有大前角设计，适用于轻载到中等加工。																				
ADMX 11T304SR-MM	**M6330**	0.4	■ 185	0.14	2.5	■ 130	0.13	2.5	–	–	–	–	–	–	■ 55	0.11	2.0	–	–	–
	M8340	0.4	■ 195	0.14	2.5	■ 115	0.13	2.5	–	–	–	–	–	–	■ 45	0.11	2.0	–	–	–
	M9340	0.4	■ 250	0.14	2.5	■ 150	0.13	2.5	–	–	–	–	–	–	■ 60	0.11	2.0	–	–	–
ADMX 11T308SR-MM	**M6330**	0.8	■ 225	0.14	2.5	■ 155	0.13	2.5	–	–	–	–	–	–	■ 65	0.11	2.0	–	–	–
	M8340	0.8	■ 235	0.14	2.5	■ 140	0.13	2.5	–	–	–	–	–	–	■ 55	0.11	2.0	–	–	–
	M8345	0.8	■ 190	0.14	2.5	■ 110	0.13	2.5	–	–	–	–	–	–	■ 45	0.11	2.0	–	–	–
	M9340	0.8	■ 300	0.14	2.5	■ 180	0.13	2.5	–	–	–	–	–	–	■ 75	0.11	2.0	–	–	–
ADMX 11T312SR-MM	**M6330**	1.2	■ 235	0.14	2.5	■ 165	0.13	2.5	–	–	–	–	–	–	■ 70	0.11	2.0	–	–	–
	M8340	1.2	■ 245	0.14	2.5	■ 145	0.13	2.5	–	–	–	–	–	–	■ 60	0.11	2.0	–	–	–
	M9340	1.2	■ 315	0.14	2.5	■ 185	0.13	2.5	–	–	–	–	–	–	■ 75	0.11	2.0	–	–	–

ADEX 11-HF

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.450	2.90	10.67	3.82

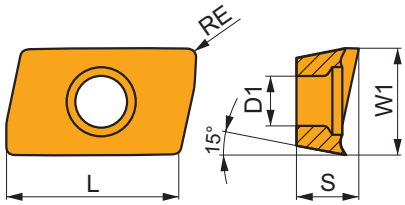


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

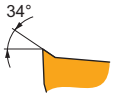
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC S																	
HF槽型，具有大正前角设计，适用于快进给。																				
ADEX 11T308SR-HF	**8215**	0.8	■ 215	0.68	0.4	◪ 125	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
	M6330	0.8	■ 185	0.68	0.4	◪ 130	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	0.8	■ 220	0.68	0.4	◪ 110	0.52	0.4	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.8	■ 215	0.68	0.4	◪ 125	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	0.8	■ 200	0.68	0.4	◪ 120	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	0.8	■ 220	0.68	0.4	◪ 130	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
			HFC S																	
HF2槽型，具有正前角设计，适用于快进给。																				
ADEX 11T308SR-HF2	**M8310**	0.8	■ 220	0.68	0.4	◪ 110	0.61	0.4	◪ 205	0.68	0.4	–	–	–	–	–	–	◪ 40	0.15	1.0
	M8330	0.8	■ 215	0.68	0.4	◪ 125	0.61	0.4	◪ 200	0.68	0.4	–	–	–	◪ 50	0.48	0.3	◪ 40	0.15	1.0
	M8340	0.8	■ 200	0.68	0.4	◪ 120	0.61	0.4	◪ 190	0.68	0.4	–	–	–	◪ 50	0.48	0.3	–	–	–
	M9325	0.8	■ 250	0.68	0.4	–	–	–	◪ 235	0.68	0.4	–	–	–	–	–	–	◪ 50	0.15	1.0
	M9340	0.8	■ 220	0.68	0.4	◪ 130	0.61	0.4	–	–	–	–	–	–	◪ 55	0.48	0.3	–	–	–

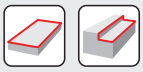
ADEX 11-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.450	2.90	9.70	3.91



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

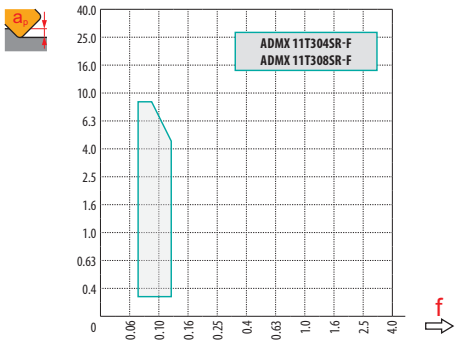
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
ADEX 11T304FR-FA	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■	210	0.30	5.0	–	–	–	–	–	–
	M0315	0.4	–	–	–	–	–	–	–	–	–	■	480	0.30	5.0	–	–	–	–	–	–
ADEX 11T308FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■	240	0.30	5.0	–	–	–	–	–	–
	M0315	0.8	–	–	–	–	–	–	–	–	–	■	570	0.30	5.0	–	–	–	–	–	–
ADEX 11T312FR-FA	**HF7**	1.2	–	–	–	–	–	–	–	–	–	■	255	0.30	5.0	–	–	–	–	–	–
	M0315	1.2	–	–	–	–	–	–	–	–	–	■	600	0.30	5.0	–	–	–	–	–	–
ADEX 11T316FR-FA	**HF7**	1.6	–	–	–	–	–	–	–	–	–	■	270	0.18	5.0	–	–	–	–	–	–

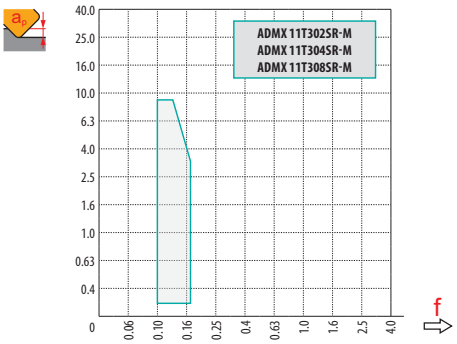


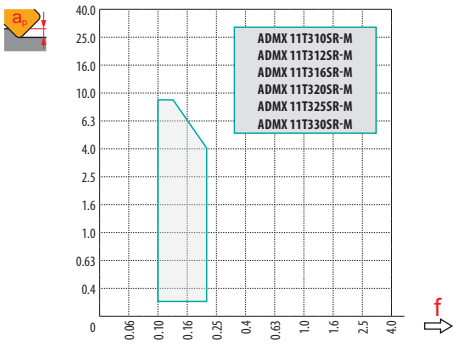
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

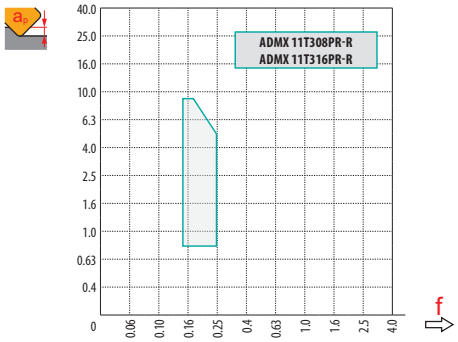
	ADMX 11-F		ADMX 11-M									ADMX 11-R		ADMX 11-MF	
RE	0.4	0.8	0.2	0.4	0.8	1.0	1.2	1.6	2.0	2.5	3.0	0.8	1.6	0.4	0.8
BS	1.89	1.48	2.09	1.89	1.48	1.27	1.08	0.68	1.61	1.13	0.66	1.48	0.68	1.89	1.48

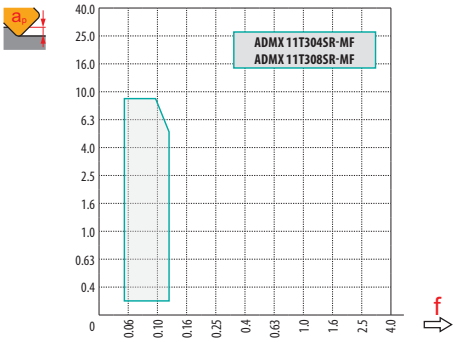
	ADMX 11-MM				ADEX 11-HF	ADEX 11-HF2	ADEX 11-FA			
RE	0.4	0.8	1.2	1.6	0.8	0.8	0.4	0.8	1.2	1.6
BS	1.89	1.48	1.08	0.61	0.17	0.17	1.77	1.39	1.0	0.62

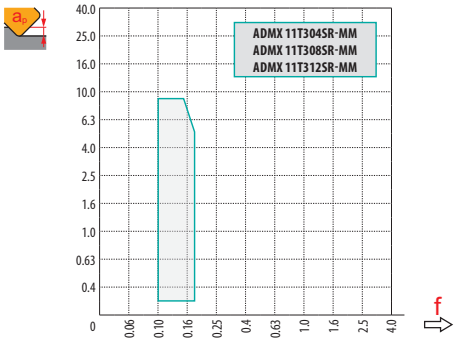


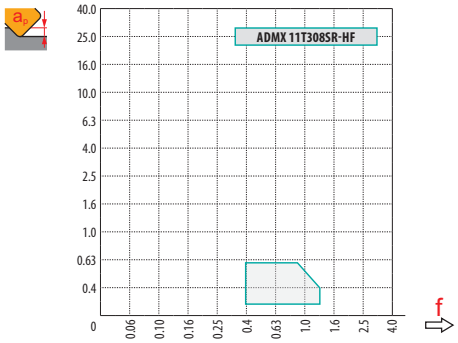


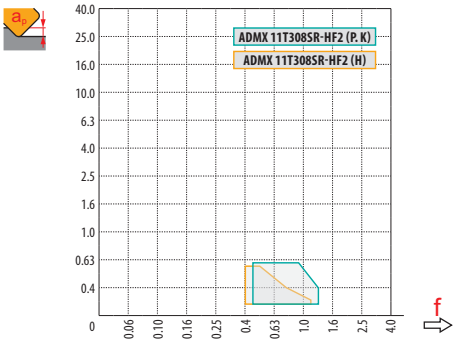


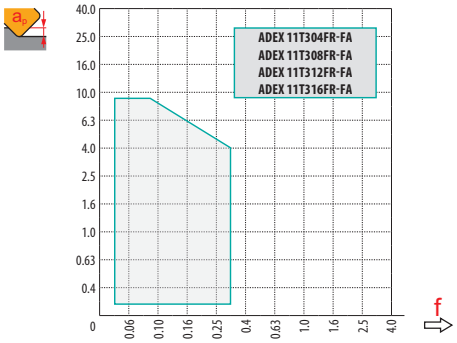












max

4.5

a_p	1.0	5.0	9.0
f	0.20	0.13	0.10

			HFC		
DC	RPMX	APMX/I	RPMX *	RPMX **	APMX/I
16	13.5	9.0/40	4.1	5.7	0.6/8
18	10.0	9.0/53	2.8	4.5	0.6/12
20	9.0	9.0/59	2.3	4.3	0.6/15
25	6.0	9.0/87	1.3	6.7	0.6/26
32	5.3	9.0/99	0.7	4.3	0.6/49
40	3.8	6.5/100	0.3	2.9	0.6/100
50	2.8	4.7/100	0.1	2.1	0.6/100
63	1.8	3.0/100	–	–	–
80	1.6	2.6/100	–	–	–

* 氢氟碳化物研磨
** 传统的研磨

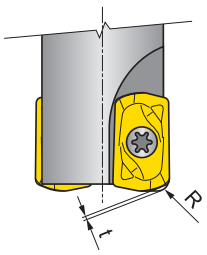
DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX	HFC DMIN	HFC DMAX	HFC SMAX DMIN	HFC SMAX DMAX
16	27.0	32.0	8.3	9.0	21.0	32.0	0.6	0.6
18	32.0	36.0	7.5	9.0	29.0	36.0	0.6	0.6
20	35.0	40.0	7.5	9.0	29.0	40.0	0.6	0.6
25	45.0	50.0	6.5	7.5	39.0	50.0	0.6	0.6
32	59.0	64.0	4.0	4.5	53.0	64.0	0.6	0.6
40	75.0	80.0	1.5	2.0	68.5	80.0	0.6	0.6
50	–	–	–	–	88.5	100.0	0.6	0.6

a_p
1.7

DC	µm	3	5	10	15	20	30	40	50	60	80	100
16	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
18		0.465	0.600	0.849	1.039	1.200	1.470	1.697	1.897	2.078	2.400	2.683
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657

RE	µm	3	5	10	15	20	30	40	50	60	80	100
1.0	FE	0.155	0.200	0.283	0.346	0.400	0.490	0.566	0.632	0.693	0.800	0.894
1.2		0.170	0.219	0.310	0.379	0.438	0.537	0.620	0.693	0.759	0.876	0.980
1.6		0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
2.5		0.245	0.316	0.447	0.548	0.632	0.775	0.894	1.000	1.095	1.265	1.414
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549

ADMX/ADEX 11	R
ADMX 11T320SR-M	1.0
ADMX 11T325SR-M	1.8
ADMX 11T330SR-M	1.8
ADEX 11T308SR-HF	1.4
ADEX 11T308SR-HF2	1.4



ADEX 11	R	t
ADEX 11T308SR-HF	1.42	0.35
ADEX 11T308SR-HF2	1.34	0.38

SAD16E

P M K N S H

PRAMET

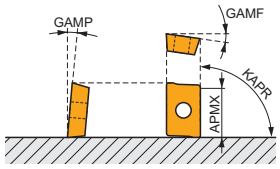
S

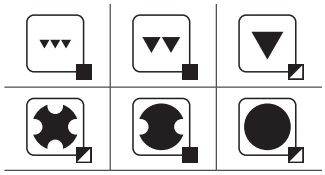
FORCE AD16带内冷的方肩铣刀

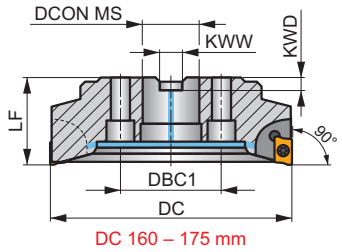
90°方肩铣刀和面铣刀，使用正前角AD.. 16类型刀片，具有APMX(最大切深)13 mm。适用于面铣，方肩铣，铣槽，螺旋铣削，摆线加工，坡走铣和插铣。可提供圆柱柄，侧固柄，莫氏锥柄，模块夹紧系统和芯轴式(具有不等齿距)类型，尺寸范围从Ø 25至Ø 175 mm。刀体经过处理，使用寿命更

FORCE AD

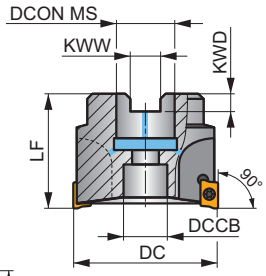
KAPR	90°
APMX	13.0 mm



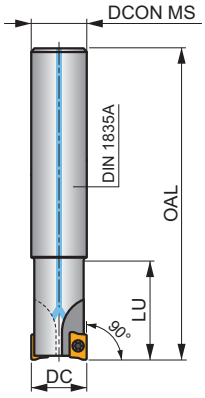


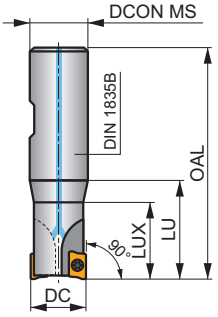


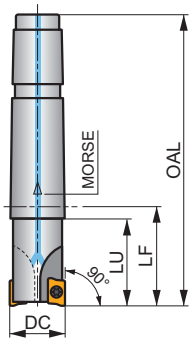
DC 160 – 175 mm

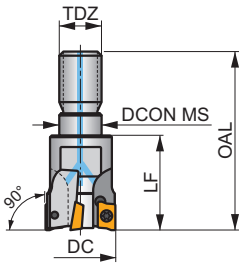


DC 40 – 140 mm









h_m 0.08 – 0.22

h_m 0.06 – 0.18

产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	CZC MS	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
25A2R033A25-SAD16E-C	25	165	25	–	–	33	–	–	–	–	–	–	-13	5	2	–	18700	✓	0.52	GI165	SQ030	–
25A2R038A25-SAD16E-C	25	200	25	–	–	38	–	–	–	–	–	–	-13	5	2	–	18700	✓	0.71	GI165	SQ030	–
32A3R033A32-SAD16E-C	32	195	32	–	–	33	–	–	–	–	–	–	-12	7	3	–	16500	✓	1.03	GI165	SQ030	–
32A3R048A32-SAD16E-C	32	250	32	–	–	48	–	–	–	–	–	–	-12	7	3	–	16500	✓	1.37	GI165	SQ030	–
25A2R042B25-SAD16E-C	25	98	25	–	–	–	42	–	–	–	–	–	-13	5	2	–	18700	✓	0.29	GI165	SQ030	–
32A3R040B32-SAD16E-C	32	100	32	–	–	–	40	–	–	–	–	–	-12	7	3	–	16500	✓	0.50	GI165	SQ030	–
40A3R050B32-SAD16E-C	40	110	32	–	–	–	50	–	–	–	–	–	-8.2	10.5	3	–	14800	✓	0.59	GI165	SQ030	–
40A4R050B32-SAD16E-C	40	110	32	–	–	–	50	–	–	–	–	–	-8.2	10.5	4	–	14800	✓	0.65	GI165	SQ030	–
25A2R043E03-SAD16E-C	25	98	–	–	–	38	–	43	–	3	–	–	-13	5	2	–	18600	✓	0.31	GI165	SQ030	–
32A3R043E03-SAD16E-C	32	100	–	–	–	38	–	43	–	3	–	–	-12	7	3	–	16500	✓	0.33	GI165	SQ030	–
40A3R054E04-SAD16E-C	40	110	–	–	–	48	–	54	–	4	–	–	-8.2	10.5	3	–	14700	✓	0.74	GI165	SQ030	–
40A4R054E04-SAD16E-C	40	110	–	–	–	48	–	54	–	4	–	–	-8.2	10.5	4	–	14700	✓	0.70	GI165	SQ030	–
32A3R043M16-SAD16E-C	32	66	17	–	–	–	–	43	M16	–	–	–	-12	7	3	–	–	✓	0.20	GI165	SQ030	–
40A4R043M16-SAD16E-C	40	66	17	–	–	–	–	43	M16	–	–	–	-8.2	10.5	4	–	–	✓	0.27	GI165	SQ030	–
40A04R-S90AD16E-C	40	–	16	14	–	–	–	40	–	–	8.4	5.6	-8.2	10.5	4	–	14700	✓	0.21	GI165	SQ032	–
50A03R-S90AD16E-C	50	–	22	18	–	–	–	40	–	–	10.4	6.3	-7	11	3	–	13200	✓	0.43	GI165	SQ033	–
50A05R-S90AD16E-C	50	–	22	18	–	–	–	40	–	–	10.4	6.3	-7	11	5	✓	13200	✓	0.59	GI165	SQ033	–
63A04R-S90AD16E-C	63	–	22	18	–	–	–	40	–	–	10.4	6.3	-6	12	4	✓	11800	✓	0.62	GI165	SQ033	–
63A06R-S90AD16E-C	63	–	22	18	–	–	–	40	–	–	10.4	6.3	-6	12	6	✓	11800	✓	0.46	GI165	SQ033	–
80A05R-S90AD16E-C	80	–	27	38	–	–	–	50	–	–	12.4	7	-5	12	5	✓	10400	✓	1.01	GI165	SQ031	AC001
80A07R-S90AD16E-C	80	–	27	38	–	–	–	50	–	–	12.4	7	-5	13	7	✓	10400	✓	0.97	GI165	SQ031	AC001
100A06R-S90AD16E-C	100	–	32	45	–	–	–	50	–	–	14.4	8	-4	12	6	✓	9300	✓	1.89	GI165	SQ031	AC002
100A08R-S90AD16E-C	100	–	32	45	–	–	–	50	–	–	14.4	8	-4	12	8	✓	9300	✓	1.69	GI165	SQ031	AC002
125A09R-S90AD16E-C	125	–	40	56	–	–	–	63	–	–	16.4	9	-3.8	12	9	✓	8400	✓	3.46	GI165	SQ031	AC003
140A08R-S90AD16E-C	140	–	40	56	–	–	–	63	–	–	16.4	9	-3.8	12	8	✓	7900	✓	4.06	GI165	SQ031	–
160C10R-S90AD16E-C	160	–	40	–	66.7	–	–	63	–	–	16.4	9.2	-3.8	10	10	✓	7300	✓	6.04	GI165	SQ036	–
175C10R-S90AD16E-C	175	–	40	–	66.7	–	–	63	–	–	16.4	9.2	-3.8	12	10	✓	7000	✓	7.00	GI165	SQ036	–

DIN 1835A
DIN 1835B
DIN 228A
MODULAR
ISO 6462 DIN 8030

GI165	ADMX 1606..	ADEX 1606..

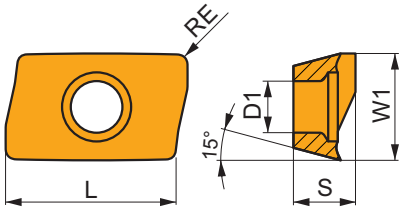
		Nm									
SQ030	US 4008-T15P	3.5	M 4	8	–	–	Flag T15P	–	–	–	–
SQ031	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–	–	–	–	–
SQ032	US 4008-T15P	3.5	M 4	8	D-T08P/T15P	FG-15	–	HS 0830C	–	–	–
SQ033	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–	HS 1030C	–	–	–
SQ036	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–	HS 1240C	CAC 160C	HSD 0825C	HXK 5

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

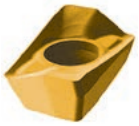
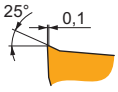
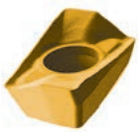
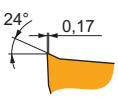
ADMX 16

PRAMET

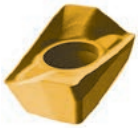
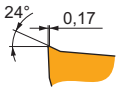
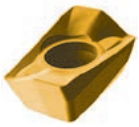
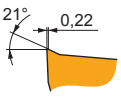
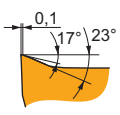
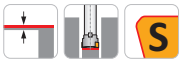
	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1606	9.950	4.50	16.00	6.25



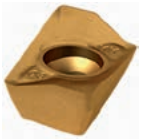
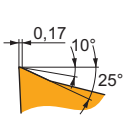
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			F槽型，具有大正前角设计，适用于轻载到中等加工。																	
ADMX 160608SR-F	**8215**	0.8	265	0.15	2.0	155	0.14	2.0	250	0.15	2.0	795	0.18	2.0	65	0.11	1.6	–	–	–
	M8310	0.8	285	0.15	2.0	145	0.14	2.0	270	0.15	2.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	260	0.15	2.0	155	0.14	2.0	245	0.15	2.0	780	0.18	2.0	65	0.11	1.6	–	–	–
	M8340	0.8	235	0.15	2.0	140	0.14	2.0	220	0.15	2.0	–	–	–	55	0.11	1.6	–	–	–
	M9340	0.8	300	0.15	2.0	180	0.14	2.0	–	–	–	–	–	–	75	0.11	1.6	–	–	–
																				
			M槽型，具有前角设计，适用于轻载到中等加工。																	
ADMX 160604SR-M	**8215**	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	–	–	–	45	0.13	4.0	–	–	–
	M8330	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	–	–	–	45	0.13	4.0	–	–	–
	M8340	0.4	170	0.18	5.0	100	0.16	5.0	160	0.18	5.0	–	–	–	40	0.13	4.0	–	–	–

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
	M槽型，具有前角设计，适用于轻载到中等加工。																			
ADMX 160608SR-M	**8215**	0.8	■	225	0.18	5.0	◪	135	0.16	5.0	■	210	0.18	5.0	–	–	–	◪	55	0.13	4.0	–	–	–
	M5315	0.8	◪	305	0.18	5.0		–	–	–	■	285	0.18	5.0	–	–	–		–	–	–	–	–	–
	M8310	0.8	■	250	0.18	5.0	◪	125	0.16	5.0	■	235	0.18	5.0	–	–	–		–	–	–	–	–	–
	M8330	0.8	■	225	0.18	5.0	■	135	0.16	5.0	■	210	0.18	5.0	–	–	–	◪	55	0.13	4.0	–	–	–
	M8340	0.8	■	205	0.18	5.0	■	120	0.16	5.0	◪	190	0.18	5.0	–	–	–	◪	50	0.13	4.0	–	–	–
	M9315	0.8	■	305	0.18	5.0		–	–	–	■	285	0.18	5.0	–	–	–		–	–	–	–	–	–
	M9325	0.8	■	280	0.18	5.0		–	–	–	■	265	0.18	5.0	–	–	–		–	–	–	–	–	–
	M9340	0.8	■	255	0.18	5.0	■	150	0.16	5.0		–	–	–	–	–	–	◪	60	0.13	4.0	–	–	–
ADMX 160616SR-M	**8215**	1.6	■	250	0.18	5.0	◪	150	0.16	5.0	■	235	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
	M8310	1.6	■	275	0.18	5.0	◪	140	0.16	5.0	■	260	0.18	5.0	–	–	–		–	–	–	–	–	–
	M8330	1.6	■	250	0.18	5.0	■	150	0.16	5.0	■	235	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
	M8340	1.6	■	225	0.18	5.0	■	135	0.16	5.0	◪	210	0.18	5.0	–	–	–	◪	55	0.13	4.0	–	–	–
	M9325	1.6	■	310	0.18	5.0		–	–	–	■	290	0.18	5.0	–	–	–		–	–	–	–	–	–
ADMX 160620SR-M	**M6330**	2.0	■	225	0.18	5.0	■	155	0.16	5.0		–	–	–	–	–	–	◪	65	0.13	4.0	–	–	–
	M8330	2.0	■	265	0.18	5.0	■	155	0.16	5.0	■	250	0.18	5.0	–	–	–	◪	65	0.13	4.0	–	–	–
	M8340	2.0	■	240	0.18	5.0	■	140	0.16	5.0	◪	225	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
ADMX 160630SR-M	**M8330**	3.0	■	265	0.18	5.0	■	155	0.16	5.0	■	250	0.18	5.0	–	–	–	◪	65	0.13	4.0	–	–	–
	M8340	3.0	■	240	0.18	5.0	■	140	0.16	5.0	◪	225	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
ADMX 160632SR-M	**M6330**	3.2	■	225	0.18	5.0	■	155	0.16	5.0		–	–	–	–	–	–	◪	65	0.13	4.0	–	–	–
	M8330	3.2	■	265	0.18	5.0	■	155	0.16	5.0	■	250	0.18	5.0	–	–	–	◪	65	0.13	4.0	–	–	–
	M8340	3.2	■	240	0.18	5.0	■	140	0.16	5.0	◪	225	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
	M9325	3.2	■	325	0.18	5.0		–	–	–	■	305	0.18	5.0	–	–	–		–	–	–	–	–	–
ADMX 160640SR-M	**M6330**	4.0	■	225	0.18	5.0	■	155	0.16	5.0		–	–	–	–	–	–	◪	65	0.13	4.0	–	–	–
	M8330	4.0	■	265	0.18	5.0	■	155	0.16	5.0	■	250	0.18	5.0	–	–	–	◪	65	0.13	4.0	–	–	–
	M8340	4.0	■	240	0.18	5.0	■	140	0.16	5.0	◪	225	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
ADMX 160650SR-M	**M8330**	5.0	■	265	0.18	5.0	■	155	0.16	5.0	■	250	0.18	5.0	–	–	–	◪	65	0.13	4.0	–	–	–
	M8340	5.0	■	240	0.18	5.0	■	140	0.16	5.0	◪	225	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
																				
	R槽型，具有正前角设计，适用于中等加工到不稳定的工况。																			
ADMX 160608PR-R	**8215**	0.8	■	205	0.25	6.0	◪	120	0.23	6.0	■	190	0.25	6.0	–	–	–	◪	50	0.20	4.8	◪	40	0.15	1.0
	M5315	0.8	◪	260	0.25	6.0		–	–	–	■	245	0.25	6.0	–	–	–		–	–	–	◪	50	0.15	1.0
	M8310	0.8	■	220	0.25	6.0	◪	110	0.23	6.0	■	205	0.25	6.0	–	–	–		–	–	–	◪	40	0.15	1.0
	M8330	0.8	■	205	0.25	6.0	◪	120	0.23	6.0	■	190	0.25	6.0	–	–	–	◪	50	0.20	4.8	◪	40	0.15	1.0
	M8340	0.8	■	190	0.25	6.0	◪	110	0.23	6.0	◪	180	0.25	6.0	–	–	–	◪	45	0.20	4.8		–	–	–
	M9315	0.8	■	265	0.25	6.0		–	–	–	■	250	0.25	6.0	–	–	–		–	–	–	◪	50	0.15	1.0
	M9325	0.8	■	250	0.25	6.0		–	–	–	■	235	0.25	6.0	–	–	–		–	–	–	◪	50	0.15	1.0
ADMX 160616PR-R	**M5315**	1.6	◪	290	0.25	6.0		–	–	–	■	275	0.25	6.0	–	–	–		–	–	–	◪	55	0.15	1.0
	M8330	1.6	■	225	0.25	6.0	◪	135	0.23	6.0	■	210	0.25	6.0	–	–	–	◪	55	0.20	4.8	◪	45	0.15	1.0
	M8340	1.6	■	210	0.25	6.0	◪	125	0.23	6.0	◪	195	0.25	6.0	–	–	–	◪	50	0.20	4.8		–	–	–
	M9315	1.6	■	295	0.25	6.0		–	–	–	■	280	0.25	6.0	–	–	–		–	–	–	◪	55	0.15	1.0
	M9325	1.6	■	275	0.25	6.0		–	–	–	■	260	0.25	6.0	–	–	–		–	–	–	◪	55	0.15	1.0
																				
	MF槽型，具有大正前角设计，适用于精加工。																			
ADMX 160608SR-MF	**M6330**	0.8	■	215	0.08	4.0	■	150	0.07	4.0		–	–	–	–	–	–	■	60	0.06	3.2	–	–	–
	M8340	0.8	■	225	0.08	4.0	■	135	0.07	4.0		–	–	–	–	–	–	■	55	0.06	3.2	–	–	–
	M9340	0.8	■	305	0.08	4.0	■	180	0.07	4.0		–	–	–	–	–	–	■	75	0.06	3.2	–	–	–

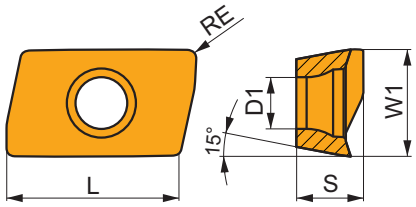
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
MM槽型，具有大前角设计，适用于轻载到中等加工。																				
ADMX 160604SR-MM	**M6330**	0.4	■ 145	0.18	4.0	■ 105	0.16	4.0	–	–	–	–	–	–	■ 40	0.14	3.2	–	–	–
	M8340	0.4	■ 160	0.18	4.0	■ 95	0.16	4.0	–	–	–	–	–	–	■ 40	0.14	3.2	–	–	–
ADMX 160608SR-MM	**M6330**	0.8	■ 175	0.18	4.0	■ 125	0.16	4.0	–	–	–	–	–	–	■ 50	0.14	3.2	–	–	–
	M8340	0.8	■ 190	0.18	4.0	■ 110	0.16	4.0	–	–	–	–	–	–	■ 45	0.14	3.2	–	–	–
	M8345	0.8	■ 150	0.18	4.0	■ 90	0.16	4.0	–	–	–	–	–	–	■ 35	0.14	3.2	–	–	–
	M9340	0.8	■ 235	0.18	4.0	■ 140	0.16	4.0	–	–	–	–	–	–	■ 55	0.14	3.2	–	–	–
ADMX 160616SR-MM	**M6330**	1.6	■ 195	0.18	4.0	■ 140	0.16	4.0	–	–	–	–	–	–	■ 55	0.14	3.2	–	–	–
	M8340	1.6	■ 210	0.18	4.0	■ 125	0.16	4.0	–	–	–	–	–	–	■ 50	0.14	3.2	–	–	–
	M8345	1.6	■ 165	0.18	4.0	■ 95	0.16	4.0	–	–	–	–	–	–	■ 40	0.14	3.2	–	–	–
	M9340	1.6	■ 260	0.18	4.0	■ 155	0.16	4.0	–	–	–	–	–	–	■ 65	0.14	3.2	–	–	–

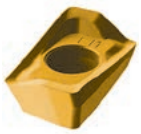
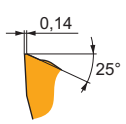
ADEX 16

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1606	9.950	4.50	16.00	6.25

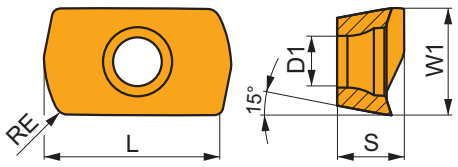


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

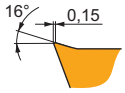
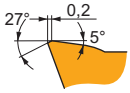
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
FM槽型，具有大正前角设计，适用于中等加工。																				
ADEX 160608SR-FM	**8215**	0.8	■ 260	0.16	2.0	◪ 155	0.14	2.0	■ 245	0.16	2.0	–	–	–	◪ 65	0.11	1.6	–	–	–
	M8330	0.8	■ 255	0.16	2.0	◪ 150	0.14	2.0	■ 240	0.16	2.0	–	–	–	◪ 60	0.11	1.6	–	–	–
	M8340	0.8	■ 235	0.16	2.0	◪ 140	0.14	2.0	◪ 220	0.16	2.0	–	–	–	◪ 55	0.11	1.6	–	–	–

ADEX 16-HF

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	5.88

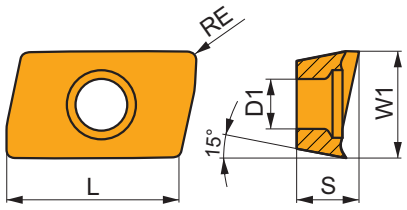


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

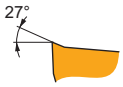
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
			HFC S																	
HF槽型，具有大正前角设计，适用于快进给。																				
ADEX 160612SR-HF	**8215**	1.2	195	1.00	0.6	115	0.90	0.6	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	1.2	205	1.00	0.6	100	0.77	0.6	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	1.2	200	1.00	0.6	120	0.90	0.6	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	1.2	185	1.00	0.6	110	0.90	0.6	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	1.2	195	1.00	0.6	115	0.90	0.6	–	–	–	–	–	–	–	–	–	–	–	–
			HFC S																	
HF2槽型，具有正前角设计，适用于快进给。																				
ADEX 160612SR-HF2	**M8310**	1.2	225	0.70	0.6	110	0.63	0.6	210	0.70	0.6	–	–	–	–	–	–	45	0.15	1.0
	M8330	1.2	215	0.70	0.6	125	0.63	0.6	200	0.70	0.6	–	–	–	50	0.63	0.5	40	0.15	1.0
	M8340	1.2	205	0.70	0.6	120	0.63	0.6	190	0.70	0.6	–	–	–	50	0.63	0.5	–	–	–
	M9325	1.2	245	0.70	0.6	–	–	–	230	0.70	0.6	–	–	–	–	–	–	45	0.15	1.0
	M9340	1.2	215	0.70	0.6	125	0.63	0.6	–	–	–	–	–	–	50	0.63	0.5	–	–	–

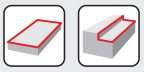
ADEX 16-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	6.17



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

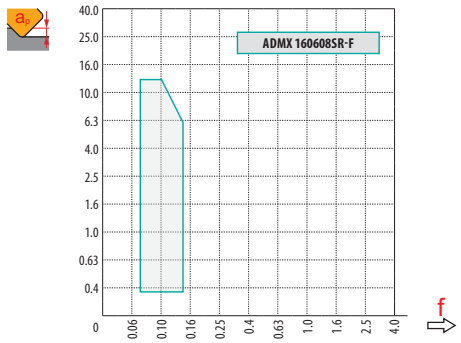
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
ADEX 160604FR-FA	**HF7**	0.4	–	–	–	–	–	–	–	–	–	195	0.28	6.0	–	–	–	–	–	–
	M0315	0.4	–	–	–	–	–	–	–	–	–	480	0.28	6.0	–	–	–	–	–	–
ADEX 160608FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	240	0.28	6.0	–	–	–	–	–	–
	M0315	0.8	–	–	–	–	–	–	–	–	–	570	0.28	6.0	–	–	–	–	–	–
ADEX 160616FR-FA	**HF7**	1.6	–	–	–	–	–	–	–	–	–	255	0.28	6.0	–	–	–	–	–	–
	M0315	1.6	–	–	–	–	–	–	–	–	–	630	0.28	6.0	–	–	–	–	–	–
ADEX 160630FR-FA	**HF7**	3.0	–	–	–	–	–	–	–	–	–	270	0.28	6.0	–	–	–	–	–	–

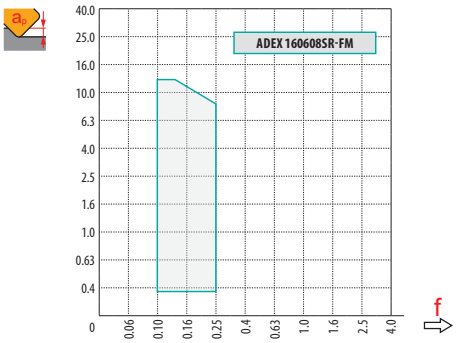


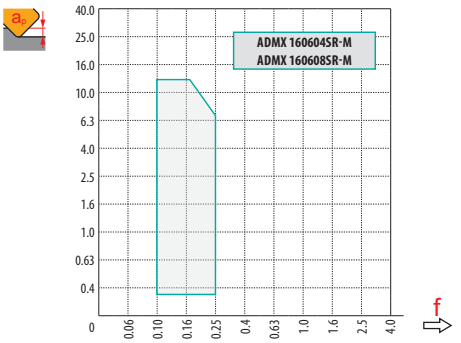
a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

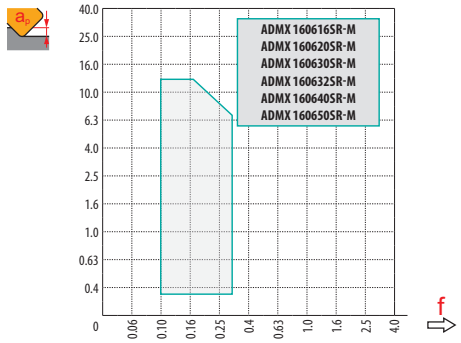
	ADMX 16-F	ADEX 16-FM	ADMX 16-M								ADMX 16-R	
RE	0.8	0.8	0.4	0.8	1.6	2.0	3.0	3.2	4.0	5.0	0.8	1.6
BS	2.99	2.18	3.39	2.99	1.62	1.23	0.28	0.09	2.69	1.52	2.99	1.62

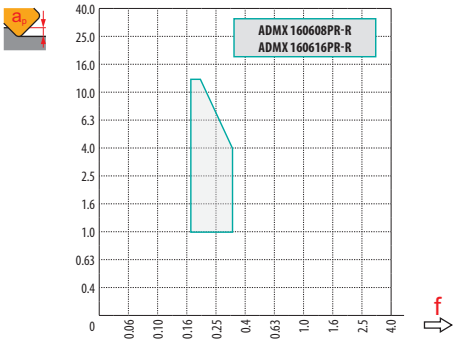
	ADMX 16-MF	ADMX 16-MM			ADEX 16-HF	ADEX 16-HF2	ADEX 16-FA			
RE	0.8	0.4	0.8	1.6	1.2	1.2	0.4	0.8	1.6	3.0
BS	2.99	3.39	2.99	1.62	0.52	0.52	2.84	2.44	1.65	0.69

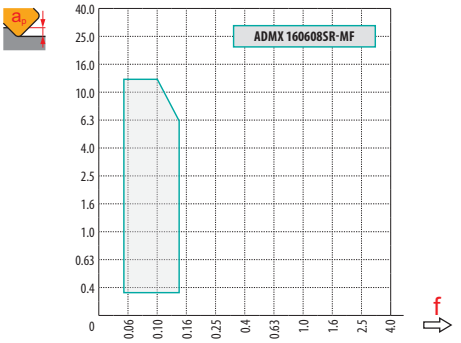


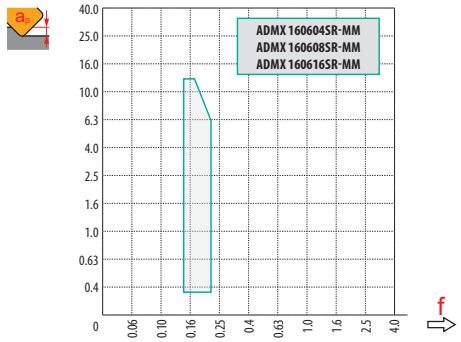


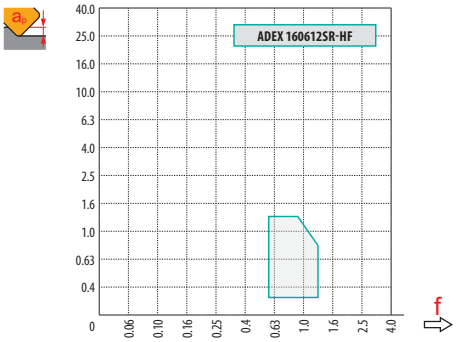


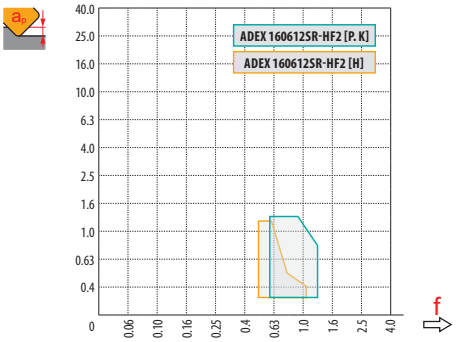


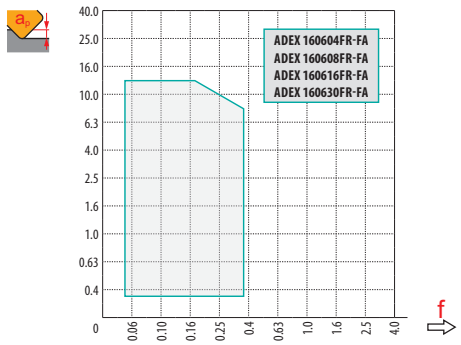












7.5

a_p	1.0	6.0	13.0
f	0.28	0.19	0.10

			HFC		
DC	RPMX	APMX/l	RPMX *	RPMX **	APMX/l
25	12.5	13.0/60	4.0	8.0	1.3/19
32	7.5	13.0/100	2.0	7.5	1.3/38
40	5.0	8.6/100	1.2	4.5	1.3/65
50	3.5	6.0/100	0.8	3.0	1.3/100
63	2.5	4.2/100	0.5	2.0	0.8/100
80	2.0	3.3/100	0.4	1.5	0.6/100

* 氢氟碳化物研磨
** 传统的研磨

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX	HFC DMIN	HFC DMAX	HFC SMAX DMIN	HFC SMAX DMAX
25	42.0	50.0	10.0	12.5	42.0	50.0	1.3	1.3
32	55.0	64.0	6.5	9.0	55.0	64.0	1.3	1.3
40	72.0	80.0	5.0	8.0	72.0	80.0	1.3	1.3
50	92.0	100.0	4.5	6.0	92.0	100.0	1.3	1.3
63	118.0	126.0	4.0	5.0	118.0	126.0	1.3	1.3
80	136.0	160.0	1.5	2.0	136.0	160.0	1.3	1.3

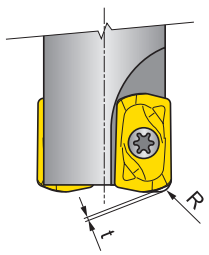
a_p

2.5

DC	µm	3	5	10	15	20	30	40	50	60	80	100
25	FE	0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657

RE	µm	3	5	10	15	20	30	40	50	60	80	100
1.6	FE	0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549
3.2		0.277	0.358	0.506	0.620	0.716	0.876	1.012	1.131	1.239	1.431	1.600
4.0		0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789
5.0		0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000

ADMX/ADEX 16	R
ADMX 160630SR-M	2.5
ADMX 160632SR-M	2.5
ADMX 160640SR-M	4.0
ADMX 160650SR-M	4.5
ADEX 160612SR-HF	3.0
ADEX 160612SR-HF2	3.0



ADEX 16	R	t
ADEX 160612SR-HF	2.59	0.56
ADEX 160612SR-HF2	2.48	0.57

SAP10D

P M K N S

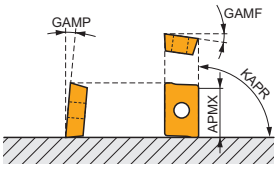
PRAMET

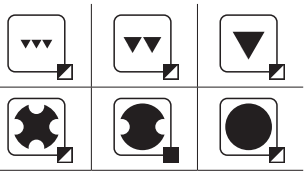
S

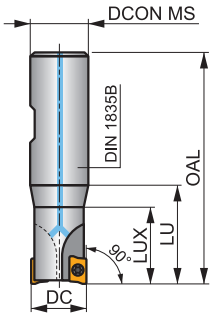
方肩铣刀使用APKT 10刀片，带内冷

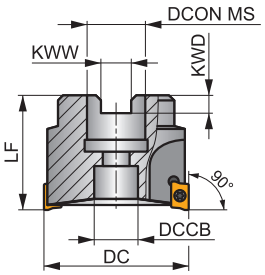
90°方肩铣刀和面铣刀，使用正前角APKT 10类型刀片，具有APMX(最大切深)9 mm。适用于面铣，方肩铣，铣槽，螺旋铣削，摆线加工，坡走铣和插铣。可提供侧固柄和芯轴式(具有不等齿距)类型，尺寸范围从Ø 10至Ø 63 mm。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	9.0 mm









h_m 0.08 – 0.16

h_m 0.06 – 0.13

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LUX (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835B	10A1R020B16-SAP10D-C	10	78	16	–	30	20	–	–	–	12	2	1	–	39000	✓	0.09	GI081	SQ215
	12A1R027B16-SAP10D-C	12	75	16	–	27	–	–	–	–	12	2	1	–	35600	✓	0.10	GI081	SQ210
	14A1R027B16-SAP10D-C	14	75	16	–	27	–	–	–	–	12	2	1	–	32900	✓	0.13	GI081	SQ210
	16A2R032B16-SAP10D-C	16	80	16	–	32	–	–	–	–	12	4	2	–	30800	✓	0.12	GI081	SQ210
	18A2R032B20-SAP10D-C	18	82	20	–	32	–	–	–	–	12	4	2	–	29100	✓	0.15	GI081	SQ210
	20A3R032B20-SAP10D-C	20	82	20	–	32	–	–	–	–	12	4	3	–	27600	✓	0.15	GI081	SQ210
	25A3R042B25-SAP10D-C	25	98	25	–	42	–	–	–	–	12	4	3	–	24700	✓	0.36	GI081	SQ210
ISO 6462 DIN 8030	40A6R-S90AP10D	40	40	16	14	40	–	–	8.4	5.6	8	3	6	✓	19500	–	0.23	GI081	SQ211
	50A7R-S90AP10D	50	40	22	18	40	–	–	10.4	6.3	8	3	7	✓	17400	–	0.41	GI081	SQ211
	63A9R-S90AP10D	63	50	22	18	40	–	–	10.4	6.3	8	3	9	✓	15500	–	0.57	GI081	SQ211

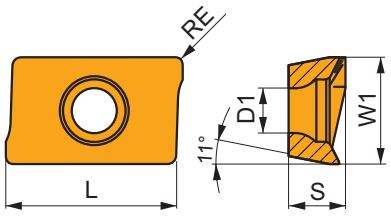
GI081	APKT 1003..

		Nm					
SQ210	US 2506-T07P	1.2	M 2.5	6.3	–	–	Flag T07P
SQ211	US 2506-T07P	1.2	M 2.5	6.3	D-T07P/T09P	FG-15	–
SQ215	US 2505-T07P	1.2	M 2.5	5.2	–	–	Flag T07P

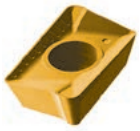
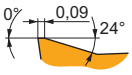
APKT 10

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1003	6.700	2.88	11.00	3.50



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

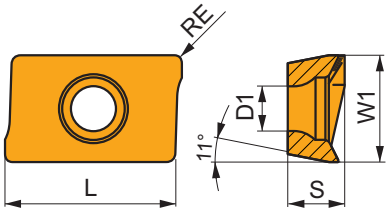
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
APKT 1003PDER-M	8215	0.5	■	285	0.12	4.0	◪	170	0.11	4.0	■	270	0.12	4.0	–	–	–	◪	70	0.11	3.2	–	–	–
	M8330	0.5	■	285	0.12	4.0	◪	170	0.11	4.0	■	270	0.12	4.0	–	–	–	◪	70	0.11	3.2	–	–	–
	M8340	0.5	■	255	0.12	4.0	◪	150	0.11	4.0	◪	240	0.12	4.0	–	–	–	◪	60	0.11	3.2	–	–	–
	M9315	0.5	■	400	0.12	4.0		–	–	–	■	380	0.12	4.0	–	–	–		–	–	–	–	–	–
	M9325	0.5	■	360	0.12	4.0		–	–	–	■	340	0.12	4.0	–	–	–		–	–	–	–	–	–
	M9340	0.5	■	335	0.12	4.0	◪	200	0.11	4.0		–	–	–	–	–	–	◪	80	0.11	3.2	–	–	–

M槽型，具有大前角设计，适用于轻载到中等加工。

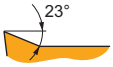
APKT 10-FA

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1003	6.700	2.88	11.00	3.50



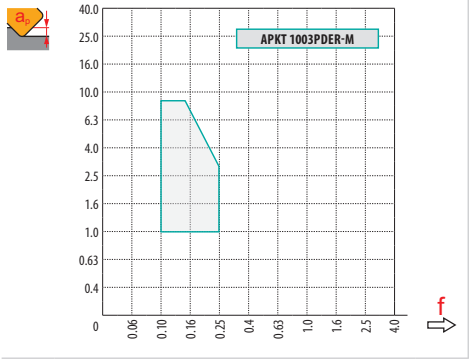
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

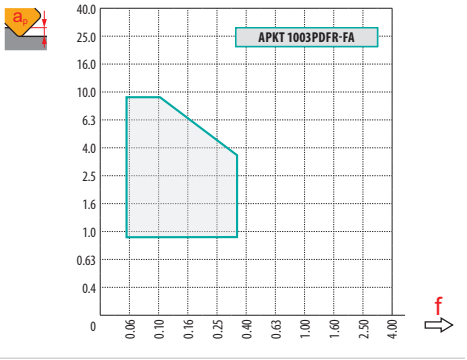
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
APKT 1003PDFR-FA	HF7	0.5	–	–	–	–	–	–	–	–	–	■	300	0.18	5.0	–	–	–	–	–	–

FA槽型，具有大正前角设计，适用于精加工到中等加工。

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	APKT 10-M	APKT 10-FA
RE	0.5	0.5
BS	0.84	0.84





max
4.5

a_p	1.0	3.0	5.0
1 ⇨ f	0.20	0.13	0.10

DC	RPMX	APMX/I
10	7.3	9.0/72
12	6.2	9.0/84
14	5.3	9.0/99
16	2.4	4.0/100
18	2.3	3.9/100
20	2.2	3.7/100
25	2.2	3.7/100
32	1.6	2.6/100

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
10	11.0	20.0	0.4	3.8
12	13.0	24.0	0.3	3.9
14	17.5	28.0	1.0	3.9
16	20.5	32.0	0.6	2.0
18	23.8	36.0	0.7	2.2
20	27.2	40.0	0.9	2.4
25	37.9	50.0	1.6	3.0
32	50.9	64.0	1.7	2.8

a_p
0.3

SAP16D

P M K N S

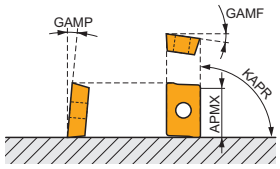
PRAMET

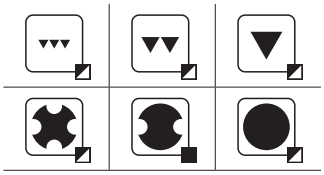
S

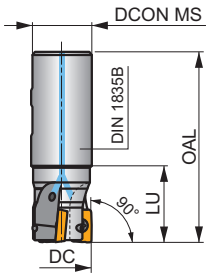
方肩铣刀使用APKT 16刀片，带内冷

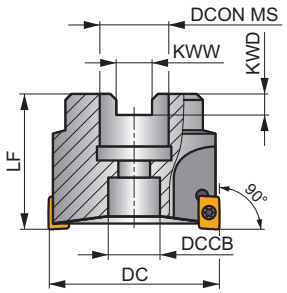
90°方肩铣刀和面铣刀，使用正前角APKT 16类型刀片，具有APMX(最大切深)13 mm。适用于面铣，方肩铣，铣槽，螺旋铣削，摆线加工，坡走铣和插铣。可提供侧固柄和芯轴式(具有不等齿距)类型，尺寸范围从Ø 25至Ø 160 mm。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	13.0 mm

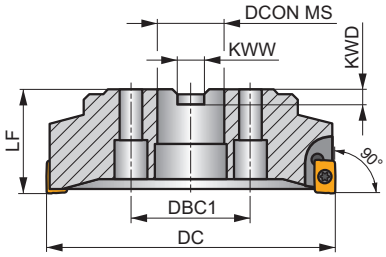








DC 40 – 125 mm



DC 160 mm

h_m 0.10 – 0.22

h_m 0.06 – 0.18

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835B	**25A2R042B25-SAP16D-C**	25	98	25	–	–	42	–	–	–	0	6	2	–	16800	✓	0.31	GI080	SQ030	–
	32A3R040B32-SAP16D-C	32	100	32	–	–	50	–	–	–	0	8	3	–	14800	✓	0.51	GI080	SQ220	–
	40A3R050B32-SAP16D-C	40	110	32	–	–	50	–	–	–	0	8	3	–	13200	✓	0.65	GI080	SQ220	–
	40A4R050B32-SAP16D-C	40	110	32	–	–	50	–	–	–	0	8	4	–	13200	✓	0.67	GI080	SQ220	–
ISO 6462 DIN 8030	**40A4R-S90AP16D**	40	40	16	11	–	–	40	8.4	5.6	0	6	4	✓	13200	–	0.23	GI080	SQ031	–
	50A5R-S90AP16D	50	40	22	18	–	–	40	10.4	6.3	0	6	5	✓	11800	–	0.33	GI080	SQ031	–
	63A6R-S90AP16D	63	40	22	18	–	–	40	10.4	6.3	0	6	6	✓	10600	–	0.50	GI080	SQ031	–
	80B5R-S90AP16D	80	50	27	38	–	–	50	12.4	7	0	6	5	✓	9400	–	0.97	GI080	SQ031	AC001
	80B7R-S90AP16D	80	50	27	38	–	–	50	12.4	7	0	6	7	✓	9400	–	1.07	GI080	SQ031	AC001
	100B6R-S90AP16D	100	50	32	45	–	–	50	14.4	8	0	6	6	✓	8400	–	1.60	GI080	SQ031	AC002
	100B8R-S90AP16D	100	50	32	45	–	–	50	14.4	8	0	6	8	✓	8400	–	1.50	GI080	SQ031	AC002
	125B9R-S90AP16D	125	63	40	56	–	–	63	16.4	9	0	6	9	✓	7500	–	2.80	GI080	SQ031	AC003
	160C10R-S90AP16D	160	63	40	–	66.7	–	63	16.4	9	0	6	10	✓	6600	–	5.12	GI080	SQ031	–

GI080	APKT 1604..	APET 1604..

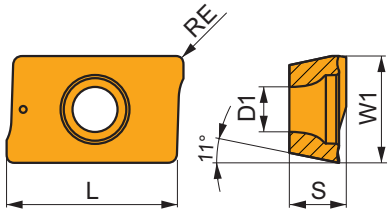
		Nm					
SQ030	US 4008-T15P	3.5	M 4	8	–	–	Flag T15P
SQ031	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–
SQ220	US 4011-T15P	3.5	M 4	10.6	–	–	Flag T15P

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

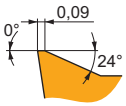
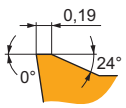
APKT 16

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.440	4.60	17.00	5.67

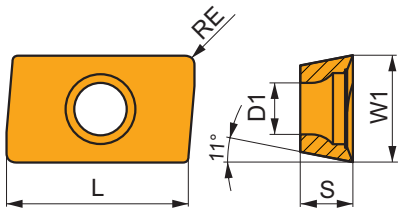


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

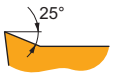
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
GM槽型，具有大前角设计，适用于轻载到中等加工。																				
APKT 1604PDR-GM	**M8330**	0.8	235	0.20	8.0	140	0.18	8.0	220	0.20	8.0	–	–	–	55	0.16	6.4	–	–	–
	M8340	0.8	210	0.20	8.0	125	0.18	8.0	195	0.20	8.0	–	–	–	50	0.16	6.4	–	–	–
	M9315	0.8	310	0.20	8.0	–	–	–	290	0.20	8.0	–	–	–	–	–	–	–	–	–
	M9325	0.8	285	0.20	8.0	–	–	–	270	0.20	8.0	–	–	–	–	–	–	–	–	–
	M9340	0.8	260	0.20	8.0	155	0.18	8.0	–	–	–	–	–	–	65	0.16	6.4	–	–	–
																				
HM槽型，具有大正前角设计，适用于中等且不稳定的工况。																				
APKT 160404-HM	**M8340**	0.4	160	0.30	6.0	95	0.27	6.0	150	0.30	6.0	–	–	–	40	0.24	4.8	–	–	–
APKT 160416-HM	**M8340**	1.6	210	0.30	6.0	125	0.27	6.0	195	0.30	6.0	–	–	–	50	0.24	4.8	–	–	–
APKT 160431-HM	**M8340**	3.1	220	0.30	6.0	130	0.27	6.0	205	0.30	6.0	–	–	–	55	0.24	4.8	–	–	–
APKT 1604PDR-HM	**8215**	0.8	220	0.30	6.0	130	0.27	6.0	205	0.30	6.0	–	–	–	55	0.24	4.8	–	–	–
	M5315	0.8	270	0.30	6.0	–	–	–	255	0.30	6.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	220	0.30	6.0	130	0.27	6.0	205	0.30	6.0	–	–	–	55	0.24	4.8	–	–	–
	M8340	0.8	200	0.30	6.0	120	0.27	6.0	190	0.30	6.0	–	–	–	50	0.24	4.8	–	–	–
	M9315	0.8	275	0.30	6.0	–	–	–	260	0.30	6.0	–	–	–	–	–	–	–	–	–
	M9325	0.8	260	0.30	6.0	–	–	–	245	0.30	6.0	–	–	–	–	–	–	–	–	–

APET 16-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1604	9.600	4.50	17.00	4.76



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

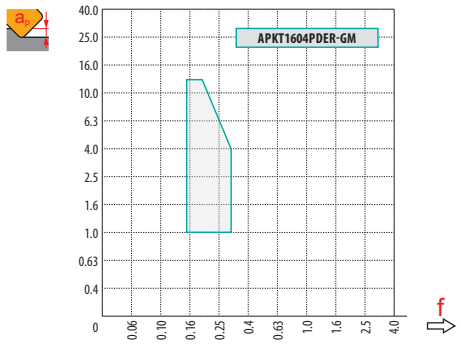
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				

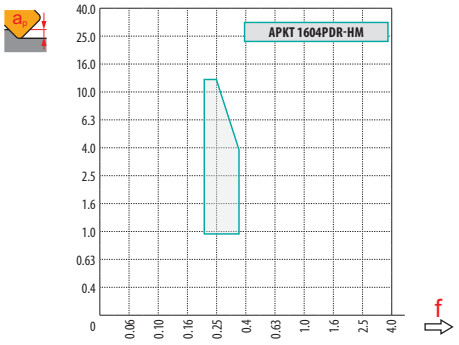
FA槽型，具有大正前角设计，适用于精加工到中等加工。

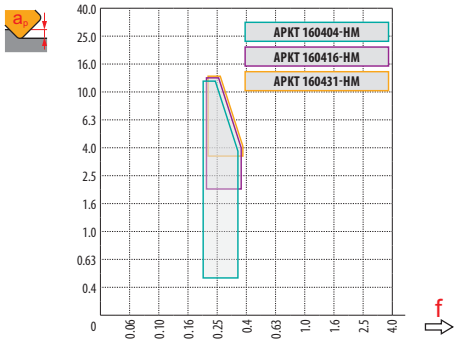
APET 160408FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	255	0.24	8.0	–	–	–	–	–	–

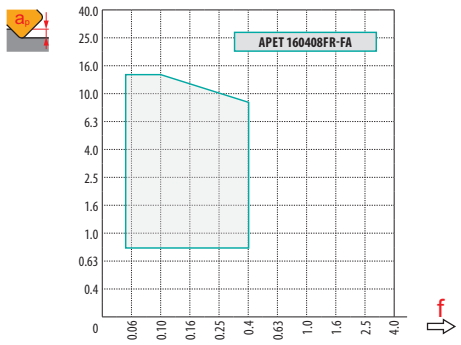
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	APKT 16-GM	APKT 16-HM				APET 16-FA
RE	0.8	0.8	0.4	1.6	3.1	0.8
BS	1.39	1.48	1.87	0.64	1.30	1.59









max.
7.4

a_p	1.0	6.0	13.0
f	0.28	0.19	0.13

DC	DMIN	DMAX	SMAX / DMIN	SMAX / DMAX
25	34.7	50.0	1.2	3.1
32	48.5	64.0	0.9	1.7
40	63.5	80.0	1.3	2.2
50	83.5	100.0	0.9	1.4
63	110.0	126.0	1.0	1.4
80	144.0	160.0	1.1	1.3

DC	RPMX	APMX/l
25	2.3	3.9/100
32	1.0	1.6/100
40	1.0	1.6/100
50	0.5	0.7/100
63	0.4	0.5/100
80	0.3	0.4/100

a_p
0.2

STN10

P M K N S

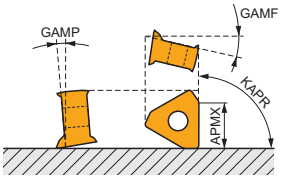
PRAMET

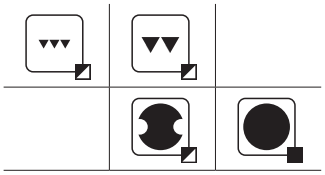
S

ECON TN10带内冷的方肩铣刀

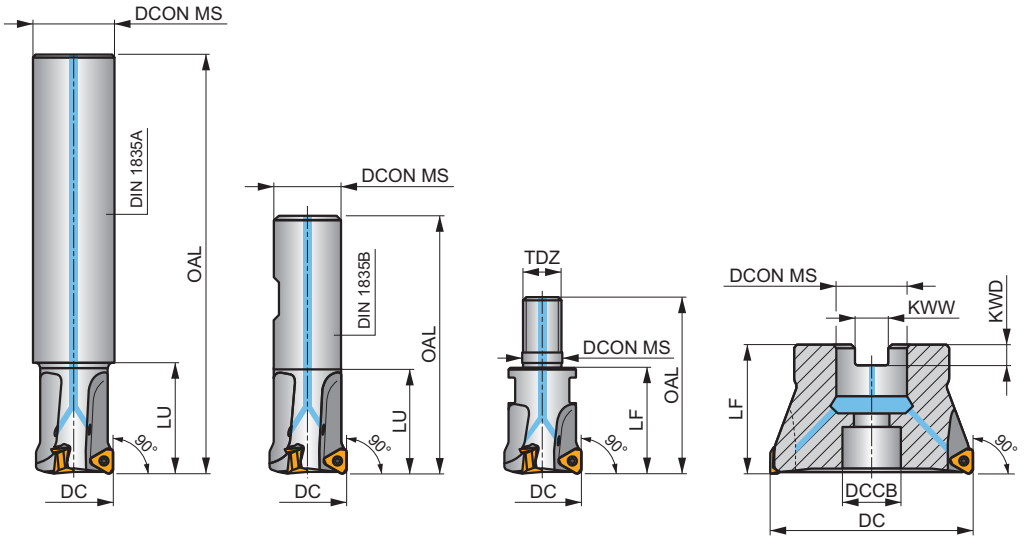
90°方肩铣刀和面铣刀，使用双面TNGX 10刀片，具有6个切削刃和APMX(最大切深)5 mm。应用范围广泛。可提供圆柱柄，侧固柄，模块夹紧系统和芯轴式类型，尺寸范围从Ø 18至Ø 80 mm，有或没有不等齿距。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	5.0 mm





ECON TN



h_m 0.03 – 0.08

h_m 0.03 – 0.06

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	18A2R050A20-STN10-C	18	180	20	–	50	–	–	–	–	-17.1	-11	2	–	29100	✓	0.40	GI292	SQ300	–
	20A2R029A20-STN10-C	20	150	20	–	29	–	–	–	–	-16.5	-11	2	–	27600	✓	0.35	GI292	SQ300	–
	20A3R029A20-STN10-C	20	150	20	–	29	–	–	–	–	-16.5	-11	3	–	27600	✓	0.34	GI292	SQ300	–
	22A3R050A25-STN10-C	22	180	25	–	50	–	–	–	–	-16.5	-11	3	–	26300	✓	0.59	GI292	SQ300	–
DIN 1835A	**25A3R034A25-STN10-C**	25	170	25	–	34	–	–	–	–	-16	-11	3	–	24700	✓	0.58	GI292	SQ300	–
	25A4R034A25-STN10-C	25	170	25	–	34	–	–	–	–	-16	-11	4	✓	24700	✓	0.59	GI292	SQ300	–
	30A4R050A32-STN10-C	30	200	32	–	50	–	–	–	–	-16	-11	4	✓	22500	✓	1.07	GI292	SQ300	–
	32A4R037A32-STN10-C	32	195	32	–	37	–	–	–	–	-16	-11	4	✓	21800	✓	1.09	GI292	SQ300	–
	32A5R037A32-STN10-C	32	195	32	–	37	–	–	–	–	-16	-11	5	✓	21800	✓	1.09	GI292	SQ300	–
	35A5R080A32-STN10-C	35	200	32	–	80	–	–	–	–	-16	-11	5	✓	20800	✓	0.08	GI292	SQ300	–
	20A2R032B20-STN10-C	20	90	20	–	32	–	–	–	–	-16.5	-11	2	–	27600	✓	0.20	GI292	SQ300	–
	20A3R032B20-STN10-C	20	90	20	–	32	–	–	–	–	-16.5	-11	3	–	27600	✓	0.20	GI292	SQ300	–
DIN 1835B	**25A3R042B25-STN10-C**	25	100	25	–	42	–	–	–	–	-16	-11	3	–	24700	✓	0.31	GI292	SQ300	–
	25A4R042B25-STN10-C	25	100	25	–	42	–	–	–	–	-16	-11	4	✓	24700	✓	0.31	GI292	SQ300	–
	32A4R042B32-STN10-C	32	110	32	–	42	–	–	–	–	-16	-11	4	✓	21800	✓	0.57	GI292	SQ300	–
	32A5R042B32-STN10-C	32	110	32	–	42	–	–	–	–	-16	-11	5	✓	21800	✓	0.56	GI292	SQ300	–
	20A2R026M10-STN10-C	20	45	10.5	–	–	26	M10	–	–	-16.5	-11	2	–	–	✓	0.07	GI292	SQ300	–
	20A3R026M10-STN10-C	20	45	10.5	–	–	26	M10	–	–	-16.5	-11	3	–	–	✓	0.07	GI292	SQ300	–
MODULAR	**25A3R033M12-STN10-C**	25	55	12.5	–	–	33	M12	–	–	-16	-11	3	–	–	✓	0.10	GI292	SQ300	–
	25A4R033M12-STN10-C	25	55	12.5	–	–	33	M12	–	–	-16	-11	4	✓	–	✓	0.11	GI292	SQ300	–
	32A4R043M16-STN10-C	32	66	17	–	–	43	M16	–	–	-16	-11	4	✓	–	✓	0.22	GI292	SQ300	–
	32A5R043M16-STN10-C	32	66	17	–	–	43	M16	–	–	-16	-11	5	✓	–	✓	0.22	GI292	SQ300	–
	40A04R-S90TN10-C	40	–	16	14	–	40	–	8.4	5.6	-15	-11	4	✓	19500	✓	0.35	GI292	SQ302	–
	40A06R-S90TN10-C	40	–	16	14	–	40	–	8.4	5.6	-15	-11	6	✓	19500	✓	0.34	GI292	SQ302	–
ISO 6462 DIN 8030	**50A05R-S90TN10-C**	50	–	22	18	–	40	–	10.4	6.3	-15	-11	5	✓	17400	✓	0.49	GI292	SQ303	–
	50A07R-S90TN10-C	50	–	22	18	–	40	–	10.4	6.3	-15	-11	7	✓	17400	✓	0.50	GI292	SQ303	–
	63A06R-S90TN10-C	63	–	22	18	–	40	–	10.4	6.3	-15	-11	6	✓	15500	✓	0.63	GI292	SQ303	–

产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
63A09R-S90TN10-C	63	–	22	18	–	40	–	10.4	6.3	-15	-11	9	✓	15500	✓	0.64	GI292	SQ303	–
80A10R-S90TN10-C	80	–	27	38	–	50	–	12.4	7	-15	-11	10	✓	13800	✓	1.11	GI292	SQ301	AC001

GI292	TNGX 1004..

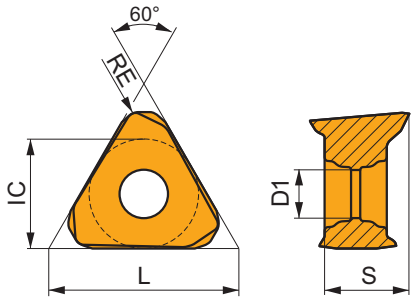
		Nm						
SQ300	US 52506-T07P	0.8	M 2.5	6	–	–	Flag T07P	–
SQ301	US 52506-T07P	0.8	M 2.5	6	D-T07P/T09P	FG-15	–	–
SQ302	US 52506-T07P	0.8	M 2.5	6	D-T07P/T09P	FG-15	–	HS 0830C
SQ303	US 52506-T07P	0.8	M 2.5	6	D-T07P/T09P	FG-15	–	HS 1030C

AC001	KS 1230		K.FMH27

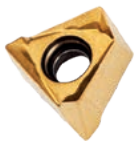
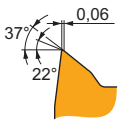
TNGX 10

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1004	6.000	2.80	10.39	4.69

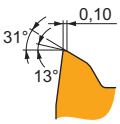


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
TNGX 100402SR-F	**M8330**	0.2	205	0.09	2.0	120	0.08	2.0	190	0.09	2.0	–	–	–	–	–	–	–	–	–
	M8340	0.2	190	0.09	2.0	110	0.08	2.0	180	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100404SR-F	**8215**	0.4	225	0.09	2.0	135	0.08	2.0	210	0.09	2.0	–	–	–	–	–	–	–	–	–
	M6330	0.4	190	0.09	2.0	135	0.08	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.4	220	0.09	2.0	130	0.08	2.0	205	0.09	2.0	–	–	–	–	–	–	–	–	–
	M8340	0.4	200	0.09	2.0	120	0.08	2.0	190	0.09	2.0	–	–	–	–	–	–	–	–	–
	M9340	0.4	270	0.09	2.0	160	0.08	2.0	–	–	–	–	–	–	–	–	–	–	–	–
TNGX 100408SR-F	**8215**	0.8	270	0.09	2.0	160	0.08	2.0	255	0.09	2.0	–	–	–	–	–	–	–	–	–
	M6330	0.8	225	0.09	2.0	160	0.08	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.8	260	0.09	2.0	155	0.08	2.0	245	0.09	2.0	–	–	–	–	–	–	–	–	–
	M8340	0.8	240	0.09	2.0	140	0.08	2.0	225	0.09	2.0	–	–	–	–	–	–	–	–	–
	M9340	0.8	320	0.09	2.0	190	0.08	2.0	–	–	–	–	–	–	–	–	–	–	–	–

F槽型，具有大正前角设计，适用于轻载加工。

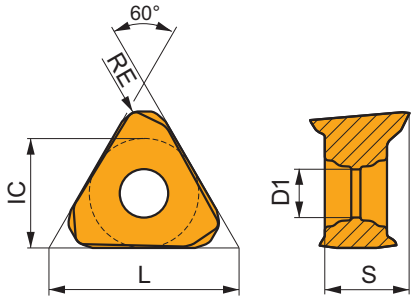
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
			M槽型，具有前角设计，适用于轻载到中等加工。																	
TNGX 100404SR-M	**8215**	0.4	■ 205	0.13	2.0	◪ 120	0.12	2.0	◪ 190	0.13	2.0	–	–	–	◪ 50	0.09	1.6	–	–	–
	M6330	0.4	■ 175	0.13	2.0	◪ 125	0.12	2.0	–	–	–	–	–	–	◪ 50	0.09	1.6	–	–	–
	M8330	0.4	■ 205	0.13	2.0	◪ 120	0.12	2.0	◪ 190	0.13	2.0	–	–	–	◪ 50	0.09	1.6	–	–	–
	M8340	0.4	■ 185	0.13	2.0	◪ 110	0.12	2.0	◪ 175	0.13	2.0	–	–	–	◪ 45	0.09	1.6	–	–	–
	M8345	0.4	■ 150	0.13	2.0	◪ 90	0.12	2.0	–	–	–	–	–	–	◪ 35	0.09	1.6	–	–	–
	M9340	0.4	■ 240	0.13	2.0	◪ 140	0.12	2.0	–	–	–	–	–	–	◪ 60	0.09	1.6	–	–	–
TNGX 100408SR-M	**8215**	0.8	■ 245	0.13	2.0	◪ 145	0.12	2.0	◪ 230	0.13	2.0	–	–	–	◪ 60	0.09	1.6	–	–	–
	M6330	0.8	■ 210	0.13	2.0	◪ 150	0.12	2.0	–	–	–	–	–	–	◪ 60	0.09	1.6	–	–	–
	M8310	0.8	■ 270	0.13	2.0	◪ 135	0.12	2.0	◪ 255	0.13	2.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	■ 245	0.13	2.0	◪ 145	0.12	2.0	◪ 230	0.13	2.0	–	–	–	◪ 60	0.09	1.6	–	–	–
	M8340	0.8	■ 220	0.13	2.0	◪ 130	0.12	2.0	◪ 205	0.13	2.0	–	–	–	◪ 55	0.09	1.6	–	–	–
	M8345	0.8	■ 180	0.13	2.0	◪ 105	0.12	2.0	–	–	–	–	–	–	◪ 45	0.09	1.6	–	–	–
	M9340	0.8	■ 285	0.13	2.0	◪ 170	0.12	2.0	–	–	–	–	–	–	◪ 70	0.09	1.6	–	–	–
TNGX 100412SR-M	**M8330**	1.2	■ 255	0.13	2.0	◪ 150	0.12	2.0	◪ 240	0.13	2.0	–	–	–	◪ 60	0.09	1.6	–	–	–
	M8340	1.2	■ 230	0.13	2.0	◪ 135	0.12	2.0	◪ 215	0.13	2.0	–	–	–	◪ 55	0.09	1.6	–	–	–
TNGX 100416SR-M	**M8310**	1.6	■ 300	0.13	2.0	◪ 150	0.12	2.0	◪ 285	0.13	2.0	–	–	–	–	–	–	–	–	–
	M8330	1.6	■ 270	0.13	2.0	◪ 160	0.12	2.0	◪ 255	0.13	2.0	–	–	–	◪ 65	0.09	1.6	–	–	–
	M8340	1.6	■ 245	0.13	2.0	◪ 145	0.12	2.0	◪ 230	0.13	2.0	–	–	–	◪ 60	0.09	1.6	–	–	–

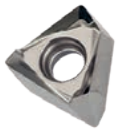
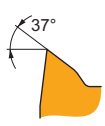
TNGX 10-FA

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1004	6.000	2.80	10.39	4.69

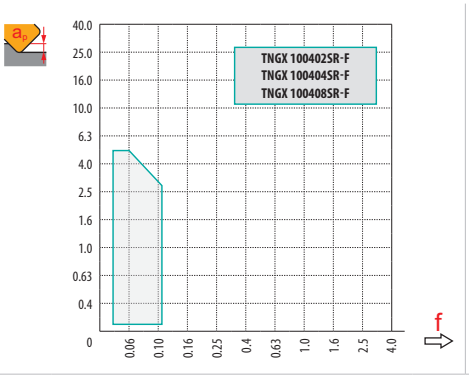


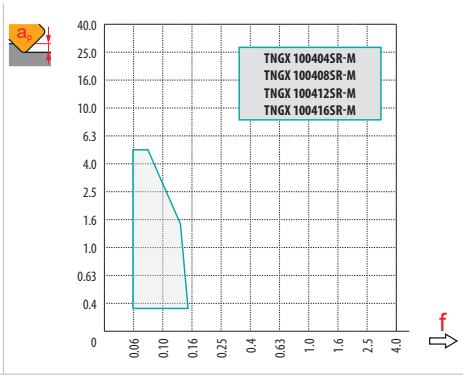
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

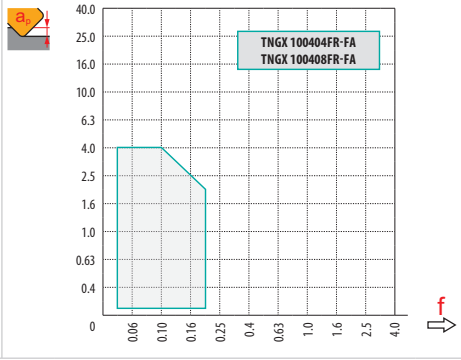
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
TNGX 100404FR-FA	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■ 345	0.10	1.5	–	–	–	–	–	–
	M0315	0.4	–	–	–	–	–	–	–	–	–	■ 780	0.10	1.5	–	–	–	–	–	–
TNGX 100408FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■ 345	0.10	1.5	–	–	–	–	–	–
	M0315	0.8	–	–	–	–	–	–	–	–	–	■ 780	0.10	1.5	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	TNGX 10-F			TNGX 10-M		TNGX 10-FA	
RE	0.2	0.4	0.8	0.4	0.8	0.4	0.8
BS	1.53	1.34	0.92	1.34	0.92	1.33	0.93







max
1.5

a_p	1.0	3.0	5.0
1 ⇨f	0.10	0.08	0.04

a_p
0.2

DC	RPMX	APMX/l
18	1.80	3.05/100
20	1.60	2.70/100
22	1.20	2.00/100
25	1.00	1.70/100
30	0.90	1.45/100
32	0.80	1.30/100
35	0.65	1.00/100
40	0.60	0.90/100
50	0.50	0.70/100
63	0.40	0.50/100
80	0.25	0.30/100

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
18	33	36	1.2	1.2
20	37	40	1.2	1.2
22	41	44	1.0	1.0
25	47	50	1.0	1.0
30	57	60	1.0	1.0
32	61	64	1.0	1.0
35	67	70	0.9	0.9
40	77	80	0.9	0.9
50	97	100	0.9	0.9
63	123	126	0.9	0.9
80	157	160	0.9	0.9

NEW

STN16

P M K N S

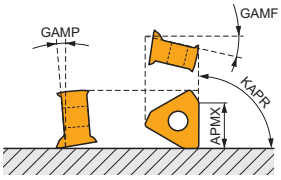
PRAMET

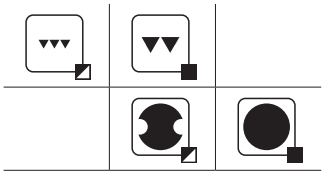
S

ECON TN16带内冷的方肩铣刀

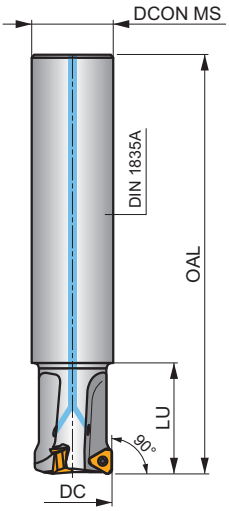
90˚方肩铣刀和面铣刀，使用双面TNGX 16刀片，具有6个切削刃和APMX(最大切深)10 mm。应用范围广泛。可提供圆柱柄，侧固柄，模块夹紧系统和芯轴式(具有不等齿距)类型，尺寸范围从Ø 25至Ø 175 mm。刀体经过处理，使用寿命更长。

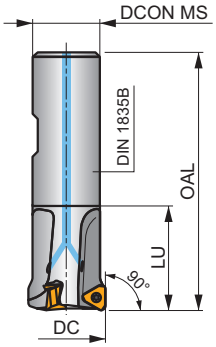
KAPR	90°
APMX	10.0 mm

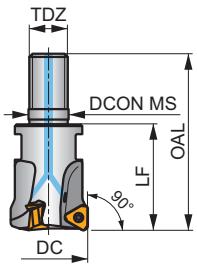


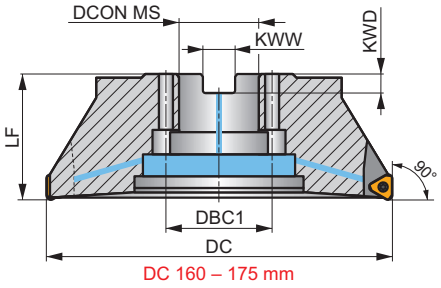


ECON TN

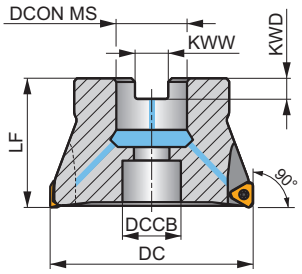








DC 160 – 175 mm



DC 40 – 140 mm

h_m 0.03 – 0.15

h_m 0.03 – 0.13

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
	25A2R034A25-STN16-C	25	170	25	–	–	34	–	–	–	–	-18.5	-9.5	2	–	20000	✓	0.54	GI340	C0382
	32A2R034A32-STN16-C	32	195	32	–	–	34	–	–	–	–	-16	-9.5	2	–	17500	✓	1.05	GI340	C0382
DIN 1835A	**25A2R080A25-STN16-C**	25	170	25	–	–	80	–	–	–	–	-18.5	-9.5	2	–	20000	✓	0.48	GI340	C0382
DIN 1835A	**32A2R080A32-STN16-C**	32	195	32	–	–	80	–	–	–	–	-16	-9.5	2	–	17500	✓	0.96	GI340	C0382
	32A3R034A32-STN16-C	32	195	32	–	–	34	–	–	–	–	-16	-9.5	3	–	17500	✓	1.04	GI340	C0382
	35A3R034A32-STN16-C	35	195	32	–	–	34	–	–	–	–	-16	-9.5	3	–	17000	✓	1.07	GI340	C0382
	25A2R042B25-STN16-C	25	55	25	–	–	42	–	–	–	–	-18.5	-9.5	2	–	20000	✓	0.30	GI340	C0382
DIN 1835B	**32A3R042B32-STN16-C**	32	110	32	–	–	42	–	–	–	–	-16	-9.5	3	–	17500	✓	0.52	GI340	C0382
DIN 1835B	**40A4R050B32-STN16-C**	40	120	32	–	–	50	–	–	–	–	-16	-9.5	4	–	16000	✓	0.67	GI340	C0382
	25A2R033M12-STN16-C	25	55	12.5	–	–	–	33	M12	–	–	-18.5	-9.5	2	–	20000	✓	0.08	GI340	C0382
	32A2R043M16-STN16-C	32	66	17	–	–	–	43	M16	–	–	-16	-9.5	2	–	17500	✓	0.18	GI340	C0382
MODULAR	**32A3R043M16-STN16-C**	32	66	17	–	–	–	43	M16	–	–	-16	-9.5	3	–	17500	✓	0.17	GI340	C0382
MODULAR	**40A3R043M16-STN16-C**	40	66	17	–	–	–	43	M16	–	–	-16	-9.5	3	–	16000	✓	0.20	GI340	C0382
MODULAR	**40A4R043M16-STN16-C**	40	66	17	–	–	–	43	M16	–	–	-16	-9.5	4	–	16000	✓	0.21	GI340	C0382
	40A03R-S90TN16-C	40	40	16	12.4	–	–	40	–	8.4	5.6	-16	-9.5	3	–	16000	✓	0.20	GI340	C0384
	40A04R-S90TN16-C	40	40	16	12.4	–	–	40	–	8.4	5.6	-16	-9.5	4	–	16000	✓	0.20	GI340	C0384
	50A04R-S90TN16-C	50	40	22	18.1	–	–	40	–	10.4	6.3	-16	-9.5	4	✓	14000	✓	0.34	GI340	C0386
	50A05R-S90TN16-C	50	40	22	18.1	–	–	40	–	10.4	6.3	-16	-9.5	5	✓	14000	✓	0.32	GI340	C0386
	63A04R-S90TN16-C	63	40	22	18.1	–	–	40	–	10.4	6.3	-16	-9.5	4	✓	12500	✓	0.47	GI340	C0386
	63A06R-S90TN16-C	63	40	22	18.1	–	–	40	–	10.4	6.3	-16	-9.5	6	✓	12500	✓	0.48	GI340	C0386
ISO 6462 DIN 8030	**80A05R-S90TN16-C**	80	50	27	22.1	–	–	50	–	12.4	7	-16	-9.5	5	✓	11000	✓	1.02	GI340	C0388
ISO 6462 DIN 8030	**80A07R-S90TN16-C**	80	50	27	22.1	–	–	50	–	12.4	7	-16	-9.5	7	✓	11000	✓	1.05	GI340	C0388
	100A06R-S90TN16-C	100	50	32	45.1	–	–	50	–	14.4	8	-16	-9.5	6	✓	10000	✓	1.79	GI340	C0390
	100A08R-S90TN16-C	100	50	32	45.1	–	–	50	–	14.4	8	-16	-9.5	8	✓	10000	✓	1.66	GI340	C0390
	115A06R-S90TN16-C	115	50	32	45.1	–	–	50	–	14.4	8	-16	-9.5	6	✓	9500	✓	2.04	GI340	C0390
	125A07R-S90TN16-C	125	63	40	56.1	–	–	63	–	16.4	9	-16	-9.5	7	✓	9000	✓	3.05	GI340	C0390
	125A09R-S90TN16-C	125	63	40	56.1	–	–	63	–	16.4	9	-16	-9.5	9	✓	9000	✓	3.14	GI340	C0390

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
ISO 6462 DIN 8030	**140A08R-S90TN16-C**	140	63	40	56.1	–	–	63	–	16.4	9	-16	-9.5	8	✓	8500	✓	3.69	GI340	C0390
	160C10R-S90TN16-C	160	63	40	–	66.7	–	63	–	16.4	9.2	-16	-9.5	10	✓	8000	✓	5.16	GI340	C0394
	175C10R-S90TN16-C	175	63	40	–	66.7	–	63	–	16.4	9.2	-16	-9.5	10	✓	7500	✓	5.99	GI340	C0394

GI340	TNGX1606..

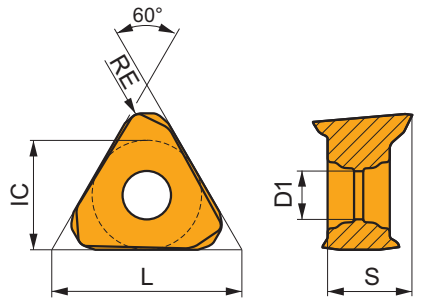
		Nm								
C0382	US 44010-T15P	3.5	M 4	10	–	–	Flag T15P	–	–	–
C0384	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	HS 90835	–	–
C0386	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	HS 1030C	–	–
C0388	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	HS 1230C	–	–
C0390	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	–	–	–
C0394	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	HS 1240C	HSD 0825C	CAC 160C

NEW

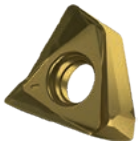
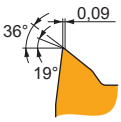
TNGX 16

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1606	9.525	4.40	16.50	6.58

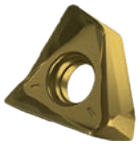
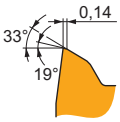


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
TNGX 160604SR-F	**M8330**	0.4	205	0.10	3.0	120	0.09	3.0	190	0.10	3.0	–	–	–	–	–	–	–	–	–
	M8340	0.4	190	0.10	3.0	110	0.09	3.0	180	0.10	3.0	–	–	–	–	–	–	–	–	–
TNGX 160608SR-F	**8215**	0.8	250	0.10	3.0	150	0.09	3.0	235	0.10	3.0	–	–	–	–	–	–	–	–	–
	M6330	0.8	215	0.10	3.0	150	0.09	3.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	0.8	280	0.10	3.0	140	0.09	3.0	265	0.10	3.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	245	0.10	3.0	145	0.09	3.0	230	0.10	3.0	–	–	–	–	–	–	–	–	–
	M8340	0.8	225	0.10	3.0	135	0.09	3.0	210	0.10	3.0	–	–	–	–	–	–	–	–	–

F槽型，具有大正前角设计，适用于轻载加工。

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

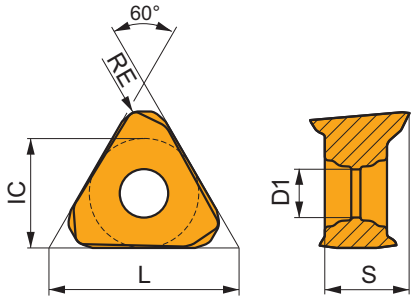
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
		(mm)																		
			1 U S																	
			M槽型，具有前角设计，适用于轻载到中等加工。																	
TNGX 160604SR-M	**8215**	0.4	190	0.15	3.0	110	0.14	3.0	180	0.15	3.0	–	–	–	45	0.11	2.4	–	–	–
	M6330	0.4	165	0.15	3.0	115	0.14	3.0	–	–	–	–	–	–	45	0.11	2.4	–	–	–
	M8310	0.4	205	0.15	3.0	100	0.14	3.0	190	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8330	0.4	190	0.15	3.0	110	0.14	3.0	180	0.15	3.0	–	–	–	45	0.11	2.4	–	–	–
	M8340	0.4	170	0.15	3.0	100	0.14	3.0	160	0.15	3.0	–	–	–	40	0.11	2.4	–	–	–
TNGX 160608SR-M	**8215**	0.8	230	0.15	3.0	135	0.14	3.0	215	0.15	3.0	–	–	–	55	0.11	2.4	–	–	–
	M6330	0.8	195	0.15	3.0	135	0.14	3.0	–	–	–	–	–	–	55	0.11	2.4	–	–	–
	M8310	0.8	245	0.15	3.0	120	0.14	3.0	230	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	225	0.15	3.0	135	0.14	3.0	210	0.15	3.0	–	–	–	55	0.11	2.4	–	–	–
	M8340	0.8	205	0.15	3.0	120	0.14	3.0	190	0.15	3.0	–	–	–	50	0.11	2.4	–	–	–
	M8345	0.8	160	0.15	3.0	95	0.14	3.0	–	–	–	–	–	–	40	0.11	2.4	–	–	–
	M9325	0.8	285	0.15	3.0	–	–	–	270	0.15	3.0	–	–	–	–	–	–	–	–	–
	M9340	0.8	260	0.15	3.0	155	0.14	3.0	–	–	–	–	–	–	65	0.11	2.4	–	–	–
TNGX 160612SR-M	**M8330**	1.2	235	0.15	3.0	140	0.14	3.0	220	0.15	3.0	–	–	–	55	0.11	2.4	–	–	–
	M8340	1.2	215	0.15	3.0	125	0.14	3.0	200	0.15	3.0	–	–	–	50	0.11	2.4	–	–	–
TNGX 160616SR-M	**M8310**	1.6	275	0.15	3.0	140	0.14	3.0	260	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8330	1.6	250	0.15	3.0	150	0.14	3.0	235	0.15	3.0	–	–	–	60	0.11	2.4	–	–	–
	M8340	1.6	225	0.15	3.0	135	0.14	3.0	210	0.15	3.0	–	–	–	55	0.11	2.4	–	–	–

NEW

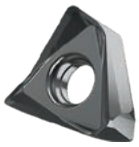
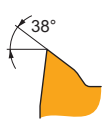
TNGX 16-FA

PRAMET

	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.525	4.40	16.50	6.58

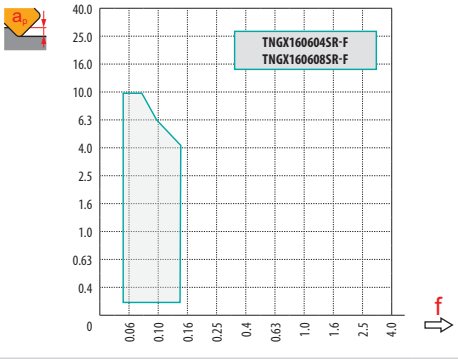


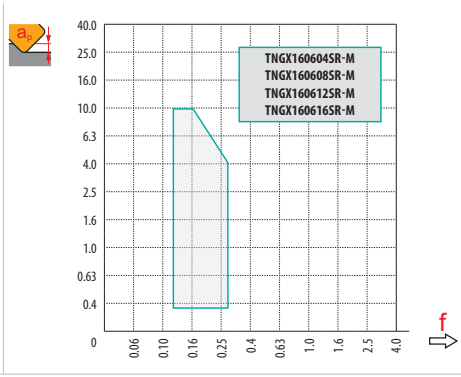
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

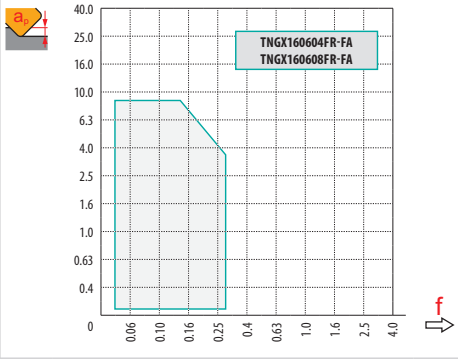
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
		(mm)																		
			F																	
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
TNGX 160604FR-FA	**HF7**	0.4	–	–	–	–	–	–	–	–	–	255	0.14	2.0	–	–	–	–	–	–
	M0315	0.4	–	–	–	–	–	–	–	–	–	585	0.14	2.0	–	–	–	–	–	–
TNGX 160608FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	300	0.14	2.0	–	–	–	–	–	–
	M0315	0.8	–	–	–	–	–	–	–	–	–	690	0.14	2.0	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	TNGX 16-F		TNGX 16-M				TNGX 16-FA	
RE	0.4	0.8	0.4	0.8	1.2	1.6	0.4	0.8
BS	2.10	1.9	2.10	1.90	1.73	1.14	2.10	1.90



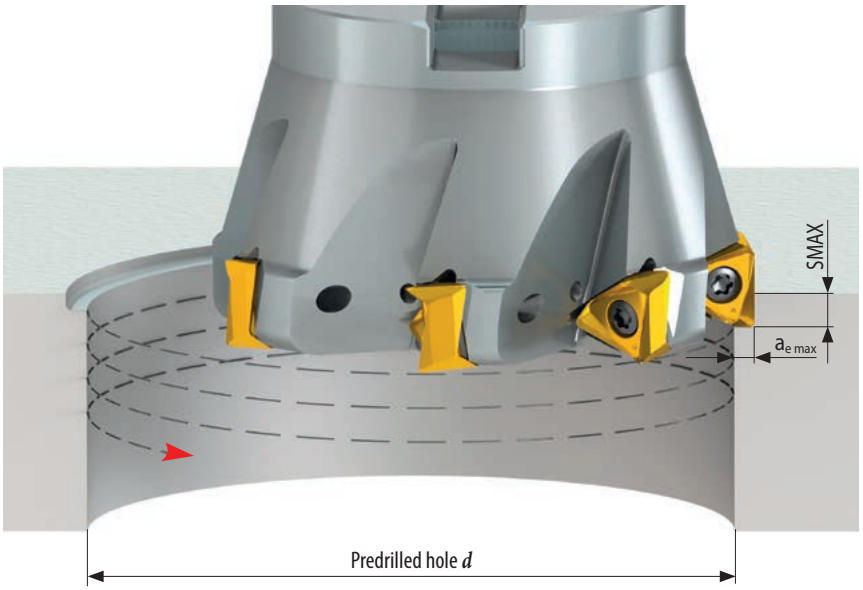




a_p	3.0	4.5	6.0
f	0.18	0.14	0.10

DC	min	d_{min} = DC *		d = 1.25 DC		d = 1.5 DC			d = 1.75 DC			d ≥ 2 DC	
		SMAX	$a_{e\,max}$	SMAX	$a_{e\,max}$	SMAX	$a_{e\,max}$		SMAX	$a_{e\,max}$		SMAX	$a_{e\,max}$
25	25	0.14	1.3	31	0.22	2.2	38	0.33	3.0	44	0.60	4.0	50	0.70	5.0
32	32	0.16	1.5	40	0.33	2.8	48	0.44	4.0	56	0.70	5.0	64	0.90	6.5
40	40	0.22	2.0	50	0.38	3.5	60	0.55	5.0	70	0.90	6.5	80	1.15	8.0
50	50	0.27	2.5	63	0.50	4.5	75	0.70	6.5	88	1.00	8.0	100	1.40	10.0
63	63	0.33	3.2	80	0.60	5.5	95	0.90	8.0	110	1.45	10.0	125	1.80	12.5
80	80	0.55	4.0	100	1.00	7.0	120	1.45	10.0	140	2.15	13.0	160	2.60	16.0
100	100	0.70	5.0	125	1.20	9.0	150	1.80	12.5	175	2.70	16.5	200	3.30	20.0
115	115	0.85	6.0	145	1.50	10.0	175	1.90	14.5	200	2.80	19.0	230	3.80	23.0
125	125	0.90	6.5	155	1.60	11.0	190	2.30	15.5	220	3.10	20.0	250	4.10	25.0
140	140	1.00	7.0	175	1.80	12.5	210	2.60	17.5	245	3.70	23.0	280	4.60	28.0
160	160	1.20	8.0	200	2.00	14.0	240	2.90	20.0	280	4.30	26.0	320	5.30	32.0
175	175	1.30	8.8	220	2.20	15.5	265	3.20	22.0	305	4.70	29.0	350	5.80	35.0

* Check feed rate reduction when hole diameter is between d_{min} - 1.5 *DC*.



SLN12

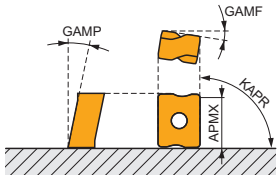
P M K N

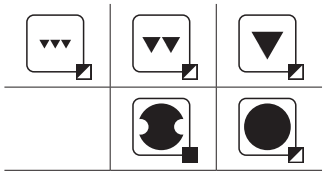
PRAMET S

ECON LN12带内冷的方肩铣刀

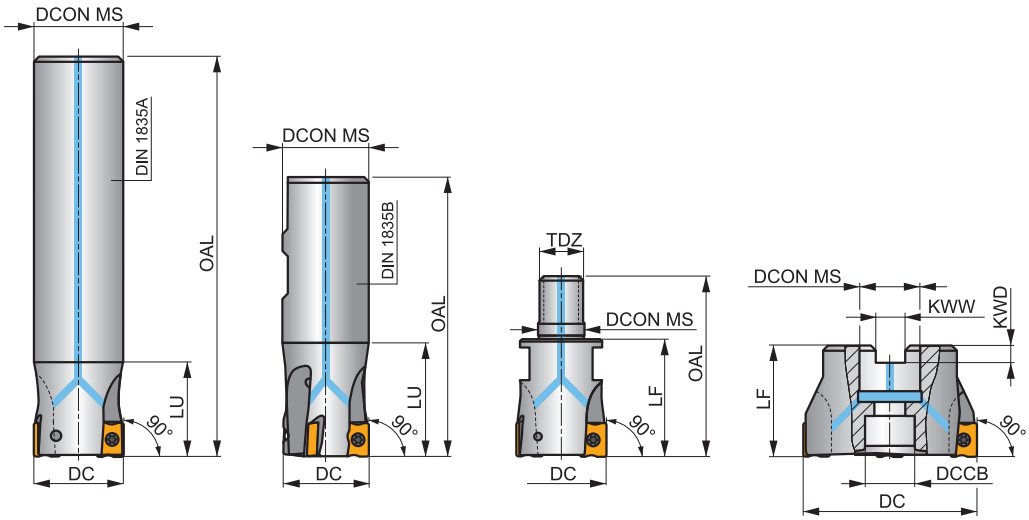
90˚方肩铣刀和面铣刀，使用双面LN.. 12刀片，具有APMX(最大切深)9 mm。应用范围广泛。可提供圆柱柄，侧固柄，模块夹紧系统和芯轴式(具有不等齿距)类型，尺寸范围从Ø 25至Ø 125 mm。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	9.0 mm





ECON LN



h_m 0.06 – 0.15

h_m 0.06 – 0.13

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835A	**25A2R034A25-SLN12-C**	25	170	25	–	34	–	–	–	–	-23	-8	2	–	19500	✓	0.58	GI205	SQ340	–
	25A2R080A25-SLN12-C	25	170	25	–	80	–	–	–	–	-23	-8	2	–	19500	✓	0.51	GI205	SQ340	–
	32A2R034A32-SLN12-C	32	195	32	–	34	–	–	–	–	-15	-6	2	–	17300	✓	1.05	GI205	SQ340	–
	32A2R090A32-SLN12-C	32	195	32	–	90	–	–	–	–	-15	-6	2	–	17300	✓	0.98	GI205	SQ340	–
DIN 1835B	**25A2R042B25-SLN12-C**	25	99	25	–	42	–	–	–	–	-23	-8	2	–	19500	✓	0.30	GI205	SQ340	–
	32A3R042B32-SLN12-C	32	103	32	–	42	–	–	–	–	-15	-6	3	–	17300	✓	0.50	GI205	SQ340	–
	40A4R050B32-SLN12-C	40	111	32	–	50	–	–	–	–	-15	-6	4	✓	15500	✓	0.62	GI205	SQ340	–
MODULAR	**25A2R033M12-SLN12-C**	25	55	12.5	–	–	33	–	–	–	-22	-6	2	–	–	✓	0.12	GI205	SQ340	–
	32A2R043M16-SLN12-C	32	66	17	–	–	43	–	–	–	-15	-6	2	–	–	✓	0.22	GI205	SQ340	–
	32A3R043M16-SLN12-C	32	66	17	–	–	43	–	–	–	-15	-6	3	–	–	✓	0.23	GI205	SQ340	–
	40A3R043M16-SLN12-C	40	66	17	–	–	43	–	–	–	-15	-6	3	–	–	✓	0.30	GI205	SQ340	–
	40A04R-S90LN12-C	40	–	16	14	–	40	–	8.4	5.6	-15	-6	4	✓	15500	✓	0.23	GI205	SQ342	–
	50A04R-S90LN12-C	50	–	22	18	–	40	–	10.4	6.3	-14.5	-6	4	✓	13800	✓	0.35	GI205	SQ343	–
	50A05R-S90LN12-C	50	–	22	18	–	40	–	10.4	6.3	-14.5	-6	5	✓	13800	✓	0.11	GI205	SQ343	–
	63A04R-S90LN12-C	63	–	22	18	–	40	–	10.4	6.3	-14	-6	4	✓	12300	✓	0.55	GI205	SQ343	–
	63A06R-S90LN12-C	63	–	22	18	–	40	–	10.4	6.3	-14	-6	6	✓	12300	✓	0.50	GI205	SQ343	–
ISO 6462 DIN 8030	**80A05R-S90LN12-C**	80	–	27	38	–	50	–	12.4	7	-14	-6	5	✓	10900	✓	1.18	GI205	SQ341	AC001
	80A07R-S90LN12-C	80	–	27	38	–	50	–	12.4	7	-14	-6	7	✓	10900	✓	1.02	GI205	SQ341	AC001
	100A06R-S90LN12-C	100	–	32	45	–	50	–	14.4	8	-14	-6	6	✓	9800	✓	1.78	GI205	SQ341	AC002
	100A08R-S90LN12-C	100	–	32	45	–	50	–	14.4	8	-14	-6	8	✓	9800	✓	2.01	GI205	SQ341	AC002
	110A06R-S90LN12-C	110	–	32	45	–	50	–	14.4	8	-14	-6	6	✓	9300	✓	2.09	GI205	SQ341	AC002
	125A07R-S90LN12-C	125	–	40	56	–	63	–	16.4	9	-14	-6	7	✓	8700	✓	3.44	GI205	SQ341	AC003
	125A09R-S90LN12-C	125	–	40	56	–	63	–	16.4	9	-14	-6	9	✓	8700	✓	3.38	GI205	SQ341	AC003

GI205	LNGX 1205..	LNGU 1205..

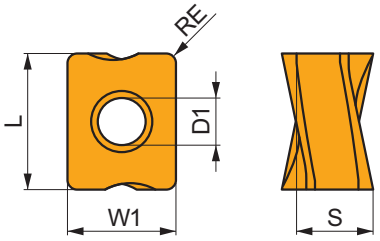
		Nm						
SQ340	US 44012-T15P	3.5	M 4	12	–	–	Flag T15P	–
SQ341	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	–
SQ342	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 0830C
SQ343	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 1030C

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

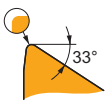
LNGX 12

PRAMET

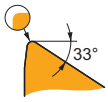
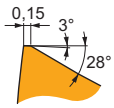
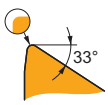
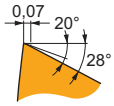
	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1205	9.500	4.50	12.00	5.96



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
		(mm)																		
			E																	
			F槽型，具有大正前角设计，适用于轻载加工。																	
LNGX 120504ER-F	**8215**	0.4	200	0.15	1.5	–	–	–	190	0.15	1.5	–	–	–	–	–	–	–	–	–
	M8330	0.4	200	0.15	1.5	–	–	–	190	0.15	1.5	–	–	–	–	–	–	–	–	–
	M8340	0.4	180	0.15	1.5	–	–	–	170	0.15	1.5	–	–	–	–	–	–	–	–	–
LNGX 120508ER-F	**8215**	0.8	240	0.15	1.5	–	–	–	225	0.15	1.5	–	–	–	–	–	–	–	–	–
	M8310	0.8	260	0.15	1.5	–	–	–	245	0.15	1.5	–	–	–	–	–	–	–	–	–
	M8330	0.8	235	0.15	1.5	–	–	–	220	0.15	1.5	–	–	–	–	–	–	–	–	–
	M8340	0.8	215	0.15	1.5	–	–	–	200	0.15	1.5	–	–	–	–	–	–	–	–	–
			1 E																	
			M槽型，具有前角设计，适用于轻载到中等加工。																	
LNGX 120504ER-M	**M8330**	0.4	185	0.15	3.0	–	–	–	175	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8340	0.4	170	0.15	3.0	–	–	–	160	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120508ER-M	**8215**	0.8	220	0.15	3.0	–	–	–	205	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8310	0.8	240	0.15	3.0	–	–	–	225	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	220	0.15	3.0	–	–	–	205	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8340	0.8	200	0.15	3.0	–	–	–	190	0.15	3.0	–	–	–	–	–	–	–	–	–
	M9315	0.8	300	0.15	3.0	–	–	–	285	0.15	3.0	–	–	–	–	–	–	–	–	–
	M9325	0.8	280	0.15	3.0	–	–	–	265	0.15	3.0	–	–	–	–	–	–	–	–	–
	M9340	0.8	250	0.15	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120510ER-M	**M8330**	1.0	230	0.15	3.0	–	–	–	215	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8340	1.0	210	0.15	3.0	–	–	–	195	0.15	3.0	–	–	–	–	–	–	–	–	–

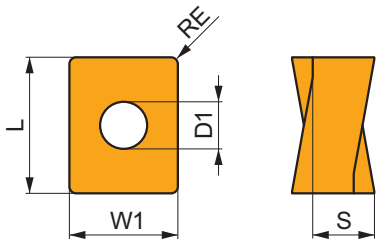
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
		(mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
M槽型，具有前角设计，适用于轻载到中等加工。																				
LNGX 120512ER-M	**M8330**	1.2	230	0.15	3.0	–	–	–	215	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8340	1.2	210	0.15	3.0	–	–	–	195	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120516ER-M	**M8330**	1.6	240	0.15	3.0	–	–	–	225	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8340	1.6	220	0.15	3.0	–	–	–	205	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120520ER-M	**M8310**	2.0	280	0.15	3.0	–	–	–	265	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8330	2.0	255	0.15	3.0	–	–	–	240	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8340	2.0	230	0.15	3.0	–	–	–	215	0.15	3.0	–	–	–	–	–	–	–	–	–
																				
R槽型，具有正前角设计，适用于不稳定的工况。																				
LNGX 120508SR-R	**8215**	0.8	205	0.20	3.5	–	–	–	190	0.20	3.5	–	–	–	–	–	–	–	–	–
	M5315	0.8	265	0.20	3.5	–	–	–	250	0.20	3.5	–	–	–	–	–	–	–	–	–
	M8310	0.8	220	0.20	3.5	–	–	–	205	0.20	3.5	–	–	–	–	–	–	–	–	–
	M8330	0.8	205	0.20	3.5	–	–	–	190	0.20	3.5	–	–	–	–	–	–	–	–	–
	M8340	0.8	185	0.20	3.5	–	–	–	175	0.20	3.5	–	–	–	–	–	–	–	–	–
	M9315	0.8	265	0.20	3.5	–	–	–	250	0.20	3.5	–	–	–	–	–	–	–	–	–
	M9325	0.8	250	0.20	3.5	–	–	–	235	0.20	3.5	–	–	–	–	–	–	–	–	–
	M9340	0.8	225	0.20	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120516SR-R	**8215**	1.6	225	0.20	3.5	–	–	–	210	0.20	3.5	–	–	–	–	–	–	–	–	–
	M8330	1.6	225	0.20	3.5	–	–	–	210	0.20	3.5	–	–	–	–	–	–	–	–	–
	M8340	1.6	205	0.20	3.5	–	–	–	190	0.20	3.5	–	–	–	–	–	–	–	–	–
	M9325	1.6	275	0.20	3.5	–	–	–	260	0.20	3.5	–	–	–	–	–	–	–	–	–
																				
MF槽型，具有大正前角设计，适用于轻载加工。																				
LNGX 120504ER-MF	**M6330**	0.4	175	0.15	1.0	125	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	0.4	190	0.15	1.0	110	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	0.4	240	0.15	1.0	140	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120508ER-MF	**M6330**	0.8	210	0.15	1.0	150	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	0.8	225	0.15	1.0	135	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	0.8	285	0.15	1.0	170	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
MM槽型，具有前角设计，适用于轻载到中等加工。																				
LNGX 120508SR-MM	**M6330**	0.8	190	0.15	2.8	135	0.14	2.8	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	0.8	200	0.15	2.8	120	0.14	2.8	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	0.8	160	0.15	2.8	95	0.14	2.8	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	0.8	255	0.15	2.8	150	0.14	2.8	–	–	–	–	–	–	–	–	–	–	–	–

LNGU 12

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1205	9.500	4.50	12.00	5.96



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

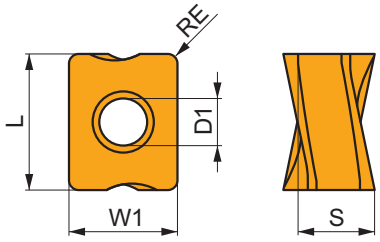
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
LNGU 120525ER-M	**M8330**	2.5	■ 255	0.15	3.0	–	–	–	■ 240	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8340	2.5	■ 230	0.15	3.0	–	–	–	◪ 215	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGU 120530ER-M	**M8330**	3.0	■ 255	0.15	3.0	–	–	–	■ 240	0.15	3.0	–	–	–	–	–	–	–	–	–
	M8340	3.0	■ 230	0.15	3.0	–	–	–	◪ 215	0.15	3.0	–	–	–	–	–	–	–	–	–

M槽型，具有正前角设计，适用于中等加工。

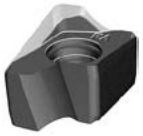
LNGX 12-FA

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1205	9.500	4.50	12.00	5.96



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

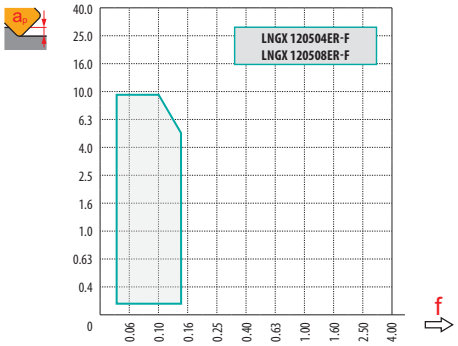
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
LNGX 120504FR-FA	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■ 270	0.30	2.0	–	–	–	–	–	–
LNGX 120508FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■ 315	0.30	2.0	–	–	–	–	–	–
	M0315	0.8	–	–	–	–	–	–	–	–	–	■ 720	0.30	2.0	–	–	–	–	–	–

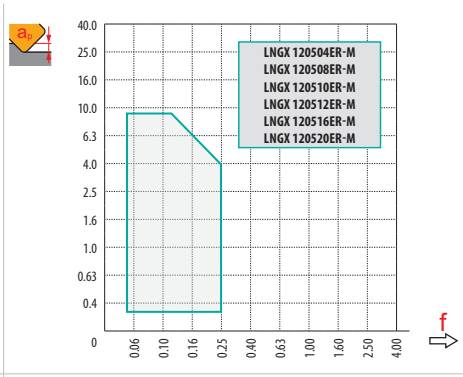
FA槽型，具有大正前角设计，适用于精加工到中等加工。

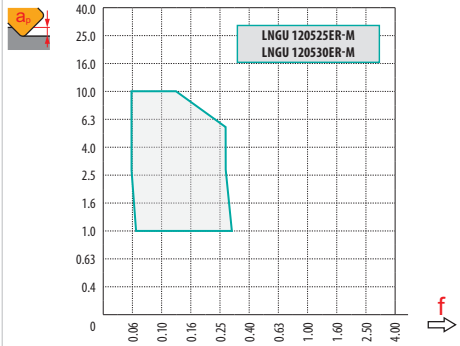
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

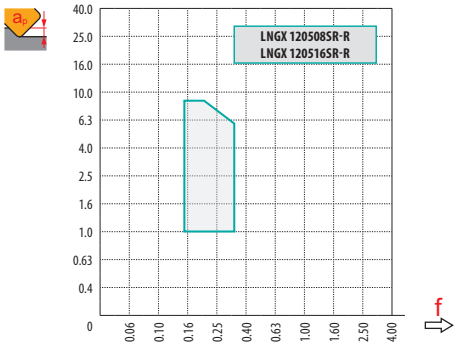
	LNGX 12-F		LNGX 12-M						LNGU 12-M	
RE	0.4	0.8	0.4	0.8	1.0	1.2	1.6	2.0	2.5	3.0
BS	2.29	1.89	2.29	1.89	1.69	1.49	1.09	0.68	0.87	0.36

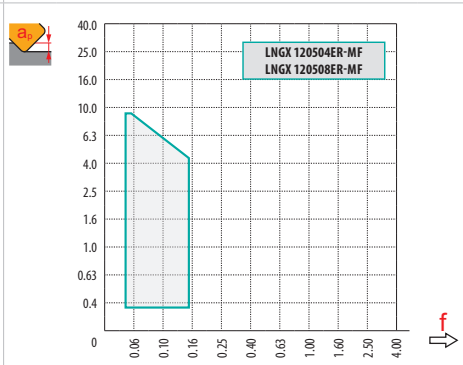
	LNGX 12-R		LNGX 12-MF		LNGX 12-MM	LNGX 12-FA	
RE	0.8	1.6	0.4	0.8	0.8	0.4	0.8
BS	1.88	1.08	2.28	1.88	1.88	2.30	1.89

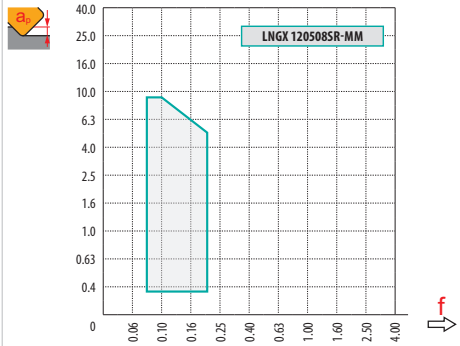


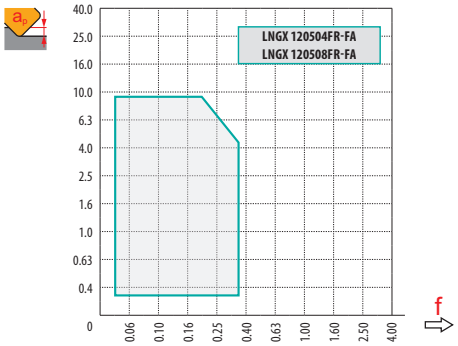












3.5

a_p	1.0	5.0	9.0
f	0.19	0.13	0.08

LNGX 12		
DC	RPMX	APMX/l
25	1.3	2.1/100
32	0.7	1.1/100
40	0.5	0.7/100
50	0.4	0.5/100
63	0.2	0.3/100
80	0.2	0.2/100

LNGX 12				
DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	35.0	50.0	0.7	1.7
32	49.0	64.0	0.6	1.2
40	65.0	80.0	0.6	1.0
50	85.0	100.0	0.7	1.0
63	111.0	126.0	0.6	0.8
80	145.0	160.0	0.7	0.8

0.2

DC	µm	3	5	10	15	20	30	40	50	60	80	100
25	FE	0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657

RE	µm	3	5	10	15	20	30	40	50	60	80	100
1.6	FE	0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
2.5		0.245	0.316	0.447	0.548	0.632	0.775	0.894	1.000	1.095	1.265	1.414
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549

SLN16

P K N H

PRAMET

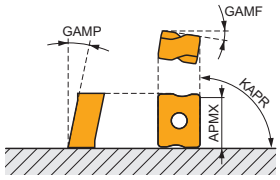
S

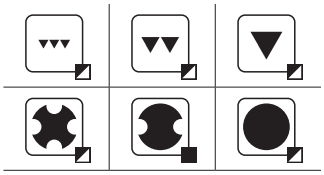
ECON LN16带内冷的方肩铣刀

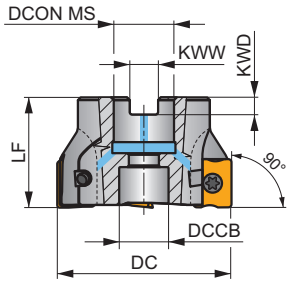
90°面铣，使用双面LN..　　16刀片，具有APMX(最大切深)13 mm。应用范围广泛。可提供芯轴式类型，尺寸范围从Ø 63至Ø 175 mm，具有不等齿距。刀体经过处理，使用寿命更长。

ECON LN

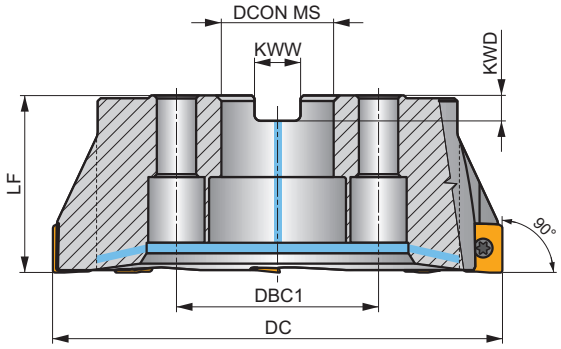
KAPR	90°
APMX	13.0 mm







DC 63 – 140 mm



DC 160 – 175 mm

h_m 0.08 – 0.2

	产品型号	DC (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	63A04R-S90LN16-C	63	40	22	18	–	10.4	6.3	-10.5	-6	4	✓	7600	✓	0.46	GI207	SQ353	–
	63A05R-S90LN16-C	63	40	22	18	–	10.4	6.3	-10.5	-6	5	✓	7600	✓	0.46	GI207	SQ353	–
	80A04R-S90LN16-C	80	50	27	38	–	12.4	7	-10.5	-6	4	✓	6800	✓	0.98	GI207	SQ351	AC001
	80A06R-S90LN16-C	80	50	27	38	–	12.4	7	-10.5	-6	6	✓	6800	✓	0.89	GI207	SQ351	AC001
	100A05R-S90LN16-C	100	50	32	45	–	14.4	8	-10.5	-6	5	✓	6100	✓	0.98	GI207	SQ351	AC002
ISO 6462 DIN 8030	**100A07R-S90LN16-C**	100	50	32	45	–	14.4	8	-10.5	-6	7	✓	6100	✓	1.84	GI207	SQ351	AC002
	125A06R-S90LN16-C	125	63	40	56	–	16.4	9	-10.5	-6	6	✓	5400	✓	3.44	GI207	SQ351	AC003
	125A08R-S90LN16-C	125	63	40	56	–	16.4	9	-10.5	-6	8	✓	5400	✓	3.33	GI207	SQ351	AC003
	140A06R-S90LN16-C	140	63	40	56	–	16.4	9	-10.5	-6	6	✓	5100	✓	3.91	GI207	SQ351	AC003
	160C08R-S90LN16-C	160	63	40	–	66.7	16.4	9	-10.5	-6	8	✓	4700	✓	6.19	GI207	SQ356	–
	175C08R-S90LN16-C	175	63	40	–	66.7	16.4	9	-10.5	-6	8	✓	4500	✓	7.11	GI207	SQ356	–

GI207	LNMU 1607..	LNGU 1607..

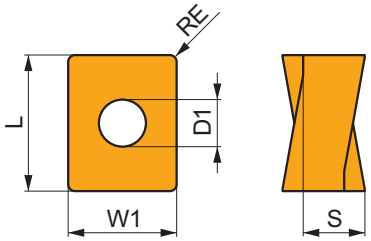
		Nm							
SQ351	US 45012-T20P	5.0	M 5	12	SDR T20P-T	–	–	–	–
SQ353	US 45012-T20P	5.0	M 5	12	SDR T20P-T	HS 1030C	–	–	–
SQ356	US 45012-T20P	5.0	M 5	12	SDR T20P-T	HS 1240C	CAC 160C	HSD 0825C	HXK 5

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

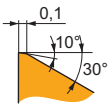
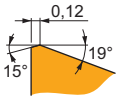
LNMU 16

PRAMET

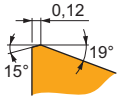
	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1607	13.200	5.70	16.60	7.50



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			E																	
			F槽型，具有大正前角设计，适用于轻载加工。																	
LNMU 160708ER-F	**8215**	0.8	235	0.16	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.8	230	0.16	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	0.8	210	0.16	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			1 S																	
			M槽型，具有正前角设计，适用于中等加工。																	
LNMU 160708SR-M	**8215**	0.8	200	0.18	5.0	–	–	–	190	0.18	5.0	–	–	–	–	–	–	–	–	–
	M6330	0.8	170	0.18	5.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.8	200	0.18	5.0	–	–	–	190	0.18	5.0	–	–	–	–	–	–	–	–	–
	M8340	0.8	180	0.18	5.0	–	–	–	170	0.18	5.0	–	–	–	–	–	–	–	–	–
	M9325	0.8	250	0.18	5.0	–	–	–	235	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160720SR-M	**M8330**	2.0	230	0.18	5.0	–	–	–	215	0.18	5.0	–	–	–	–	–	–	–	–	–
	M8340	2.0	210	0.18	5.0	–	–	–	195	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160730SR-M	**M8330**	3.0	230	0.18	5.0	–	–	–	215	0.18	5.0	–	–	–	–	–	–	–	–	–
	M8340	3.0	210	0.18	5.0	–	–	–	195	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160740SR-M	**M8330**	4.0	230	0.18	5.0	–	–	–	215	0.18	5.0	–	–	–	–	–	–	–	–	–
	M8340	4.0	210	0.18	5.0	–	–	–	195	0.18	5.0	–	–	–	–	–	–	–	–	–
			S																	
			R槽型，具有正前角稳定设计，适用于中等加工。																	
LNMU 160708SR-R	**M5315**	0.8	265	0.18	6.3	–	–	–	250	0.18	6.3	–	–	–	–	–	–	50	0.15	1.0
	M8310	0.8	215	0.18	6.3	–	–	–	200	0.18	6.3	–	–	–	–	–	–	40	0.15	1.0
	M8330	0.8	195	0.18	6.3	–	–	–	185	0.18	6.3	–	–	–	–	–	–	35	0.15	1.0
	M8340	0.8	175	0.18	6.3	–	–	–	165	0.18	6.3	–	–	–	–	–	–	–	–	–
	M9315	0.8	260	0.18	6.3	–	–	–	245	0.18	6.3	–	–	–	–	–	–	50	0.15	1.0
	M9325	0.8	240	0.18	6.3	–	–	–	225	0.18	6.3	–	–	–	–	–	–	45	0.15	1.0

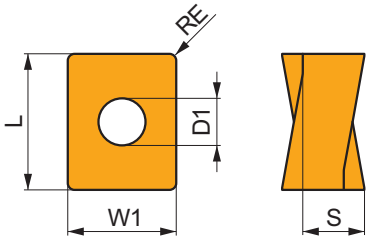
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
R槽型，具有正前角稳定设计，适用于中等加工。																				
LNMU 160716SR-R	**M8330**	1.6	■ 215	0.18	6.3	–	–	–	■ 200	0.18	6.3	–	–	–	–	–	–	◪ 40	0.15	1.0
	M8340	1.6	■ 195	0.18	6.3	–	–	–	◪ 185	0.18	6.3	–	–	–	–	–	–	–	–	–
	M9315	1.6	■ 285	0.18	6.3	–	–	–	■ 270	0.18	6.3	–	–	–	–	–	–	◪ 55	0.15	1.0
	M9325	1.6	■ 265	0.18	6.3	–	–	–	■ 250	0.18	6.3	–	–	–	–	–	–	◪ 50	0.15	1.0

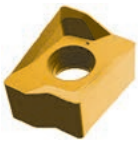
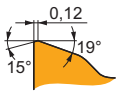
LNGU 16

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1607	13.200	5.70	16.60	7.50

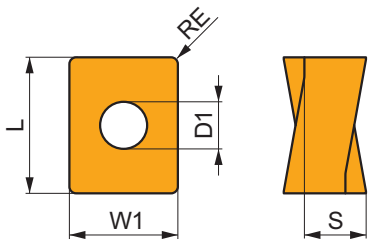


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
M槽型，具有大正前角设计，适用于中等加工。																				
LNGU 160708SR-M	**8215**	0.8	■ 200	0.18	5.0	–	–	–	■ 190	0.18	5.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	M8340	0.8	■ 180	0.18	5.0	–	–	–	◪ 170	0.18	5.0	–	–	–	–	–	–	–	–	–
	M9315	0.8	■ 265	0.18	5.0	–	–	–	■ 250	0.18	5.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	M9325	0.8	■ 250	0.18	5.0	–	–	–	■ 235	0.18	5.0	–	–	–	–	–	–	◪ 50	0.15	1.0

LNGU 16-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1607	13.200	5.70	16.60	7.50



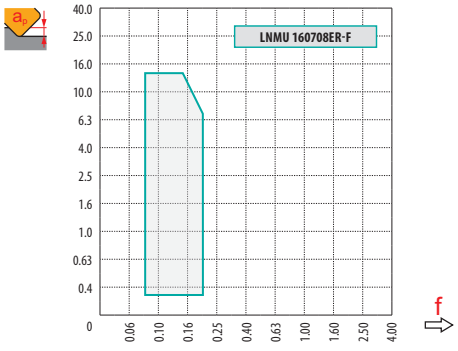
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

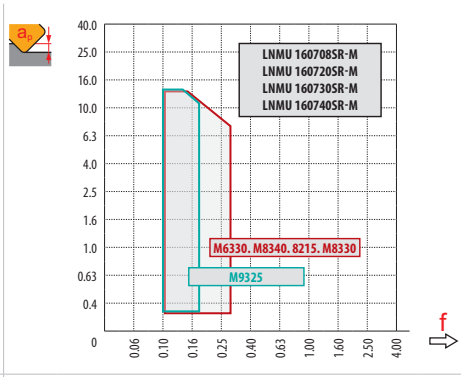
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
LNGU 160708FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	300	0.30	3.0	–	–	–	–	–	–

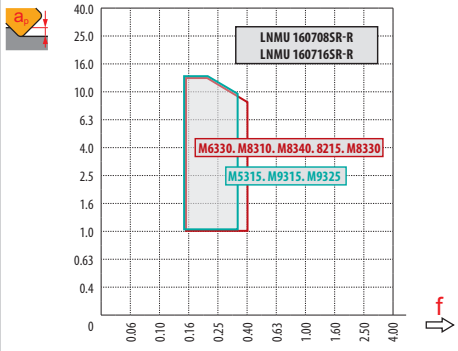
FA槽型，具有大正前角设计，适用于精加工到中等加工。

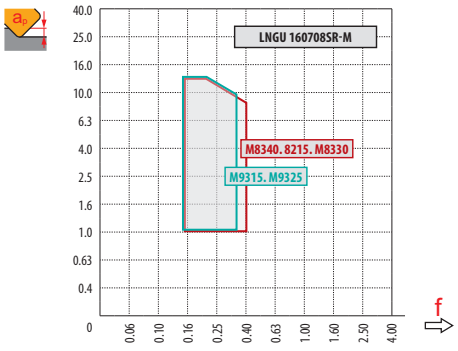
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

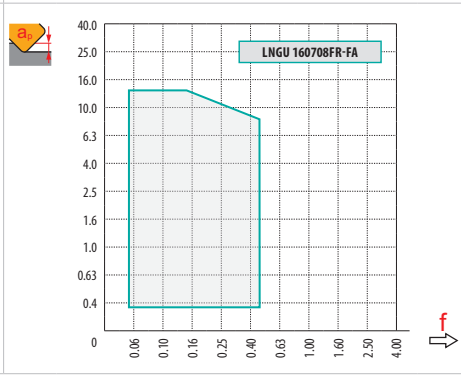
	LNMU 16-F	LNMU 16-M				LNMU 16-R		LNGU 16-M	LNGU 16-FA
RE	0.8	0.8	2.0	3.0	4.0	0.8	1.6	0.8	0.8
BS	3.30	3.30	2.11	1.12	0.10	3.30	2.50	3.24	3.30











max
7.0

a_p	1.0	6.0	13.0
1 ⇨f	0.31	0.24	0.13

SSO05O

P M K S

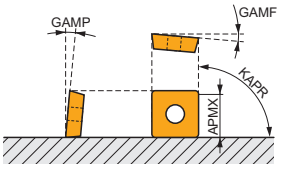
PRAMET

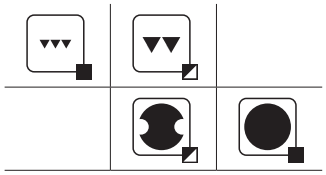
S

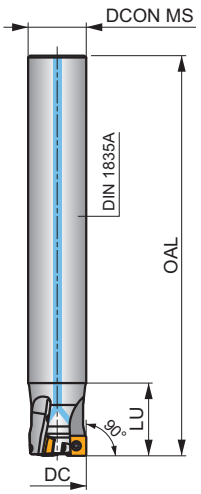
90° 方肩铣刀使用SOMT 05刀片，带内冷

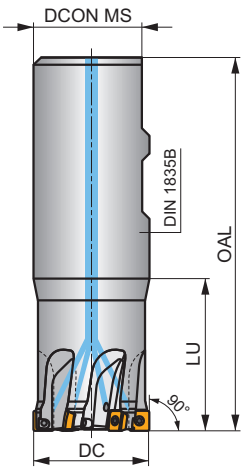
90°方肩铣刀和面铣刀，使用正前角SOMT 05刀片，具有APMX(最大切深)4.5 mm。适用于面铣，方肩铣，铣槽和插铣。可提供圆柱柄，侧固柄和芯轴式类型，尺寸范围从Ø 12至Ø 40 mm，具有不等齿距。刀体经过处理，使用寿命更长。

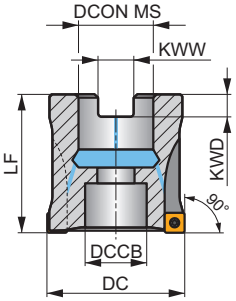
KAPR	90°
APMX	4.5 mm











h_m 0.04 – 0.08

h_m 0.04 – 0.06

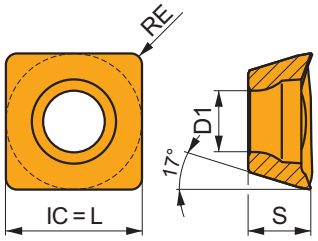
	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	**12A2R018A10-SSO050-C**	12	90	10	–	18	–	–	–	-8	8	2	–	58000	✓	0.05	GI327	SQ330
	12A2R018A12-SSO050-C	12	90	12	–	18	–	–	–	-8	8	2	–	58000	✓	0.07	GI327	SQ330
	16A3R020A14-SSO050-C	16	110	14	–	20	–	–	–	-5	8	3	–	50300	✓	0.12	GI327	SQ330
	16A3R020A16-SSO050-C	16	110	16	–	20	–	–	–	-5	8	3	–	50300	✓	0.15	GI327	SQ330
	20A4R020A18-SSO050-C	20	125	18	–	20	–	–	–	-5	8	4	✓	45000	✓	0.21	GI327	SQ330
	20A4R020A20-SSO050-C	20	125	20	–	20	–	–	–	-5	8	4	✓	45000	✓	0.26	GI327	SQ330
	25A5R024A25-SSO050-C	25	140	25	–	24	–	–	–	-5	8	5	✓	40200	✓	0.48	GI327	SQ330
DIN 1835B	**20A4R032B20-SSO050-C**	20	83	20	–	32	–	–	–	-5	8	4	✓	45000	✓	0.16	GI327	SQ330
	25A5R042B25-SSO050-C	25	99	25	–	42	–	–	–	-5	8	5	✓	40200	✓	0.31	GI327	SQ330
	32A6R042B32-SSO050-C	32	103	32	–	42	–	–	–	-4.5	8	6	✓	35500	✓	0.54	GI327	SQ330
ISO 6462 DIN 8030	**32A06R-S90SO050-C**	32	–	16	12.4	–	32	8.4	5.6	-4.5	8	6	✓	35500	✓	0.10	GI327	SQ332
	40A08R-S90SO050-C	40	–	22	18.1	–	40	10.4	6.3	-4	8	8	✓	31800	✓	0.19	GI327	SQ333

GI327	SOMT 0502..

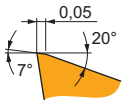
		Nm						
SQ330	US 62204-T07P	0.8	M 2.2	4.1	Flag T07P	–	–	–
SQ332	US 62204-T07P	0.8	M 2.2	4.1	–	D-T07P/T09P	FG-15	HS 90835
SQ333	US 62204-T07P	0.8	M 2.2	4.1	–	D-T07P/T09P	FG-15	HS 1030C

SOMT 05

	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
0502	5.570	2.50	5.57	2.63



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

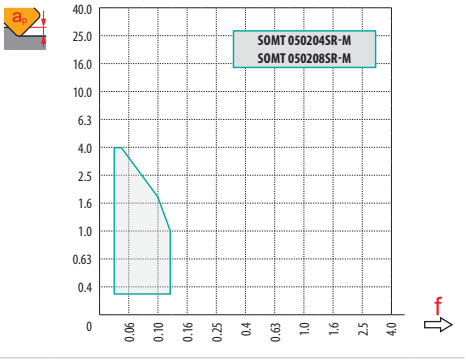
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				

M槽型，具有前角设计，适用于轻载到中等加工。

SOMT 050204SR-M	**M6330**	0.4	■	255	0.05	2.5	■	180	0.05	2.5		–	–	–	–	–	–	◪	75	0.04	2.0	–	–	–
	M8330	0.4	■	290	0.05	2.5	■	170	0.05	2.5	◪	275	0.05	2.5	–	–	–	◪	70	0.04	2.0	–	–	–
	M8340	0.4	■	260	0.05	2.5	■	155	0.05	2.5	◪	245	0.05	2.5	–	–	–	◪	65	0.04	2.0	–	–	–
SOMT 050208SR-M	**M6330**	0.8	■	300	0.05	2.5	■	210	0.05	2.5		–	–	–	–	–	–	◪	85	0.04	2.0	–	–	–
	M8330	0.8	■	350	0.05	2.5	■	210	0.05	2.5	◪	330	0.05	2.5	–	–	–	◪	85	0.04	2.0	–	–	–
	M8340	0.8	■	310	0.05	2.5	■	185	0.05	2.5	◪	290	0.05	2.5	–	–	–	◪	75	0.04	2.0	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SOMT 05-M	
RE	0.4	0.8
BS	–	–



max.

1.5

a_p	1.0	2.0	4.0
1 ⇨ f	0.12	0.08	0.03

SSO09

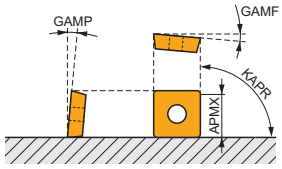
P M K S

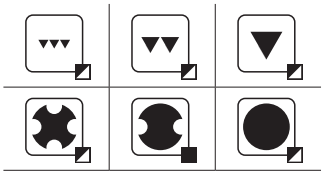
PRAMET S

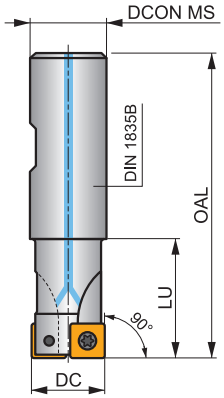
90° 方肩铣刀使用SOMT 09刀片，带内冷

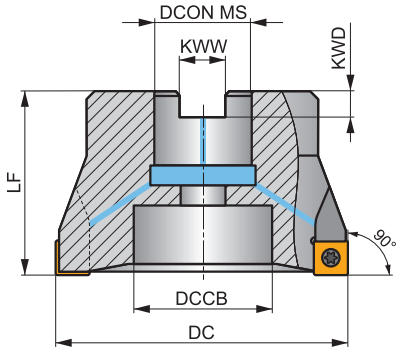
90°方肩铣刀和面铣刀，使用正前角SOMT 09刀片，具有APMX(最大切深)8 mm。适用于面铣，方肩铣，铣槽和插铣。可提供侧固柄和芯轴式类型，尺寸范围从Ø 20至Ø 125 mm。提供不等齿距。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	8.0 mm









h_m 0.07 – 0.22

h_m 0.07 – 0.18

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835B	**20A2R032B20-SSO09-C**	20	82	20	–	32	–	–	–	-12	6	2	–	23800	✓	0.21	GI146	SQ400	–
	25A3R042B25-SSO09-C	25	98	25	–	42	–	–	–	-12	6	3	–	21300	✓	0.31	GI146	SQ400	–
	32A4R042B32-SSO09-C	32	102	32	–	42	–	–	–	-10	10	4	✓	18800	✓	0.55	GI146	SQ400	–
	40A05R-S90SO09-C	40	–	16	14	–	40	8.4	5.6	-9.1	10	5	–	16800	✓	0.29	GI146	SQ402	–
	50A06R-S90SO09-C	50	–	22	18	–	40	10.4	6.4	-8.8	10	6	–	15100	✓	0.33	GI146	SQ403	–
ISO 6462 DIN 8030	**63A07R-S90SO09-C**	63	–	22	18	–	40	10.4	6.4	-8.6	10	7	–	13400	✓	0.86	GI146	SQ403	–
	80A09R-S90SO09-C	80	–	27	38	–	50	12.4	7	-8.1	10	9	–	11900	✓	1.03	GI146	SQ401	AC001
	100A10R-S90SO09-C	100	–	32	45	–	50	14.4	8	-8.1	10	10	–	10700	✓	1.79	GI146	SQ401	AC002
	125A12R-S90SO09-C	125	–	40	56	–	63	16.4	9	-8.1	10	12	–	9500	✓	3.62	GI146	SQ401	AC003

GI146	SOMT 09T3..

		Nm						
SQ400	US 3006-T09P	2.0	M 3	6	–	–	Flag T09P	–
SQ401	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	–	–
SQ402	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	–	HS 0830C
SQ403	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	–	HS 1030C

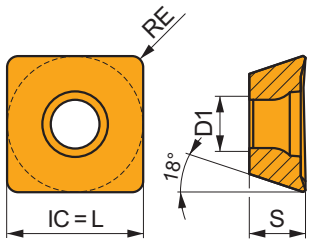
AC001	KS 1230	K.FMH27

AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

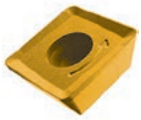
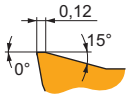
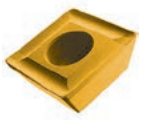
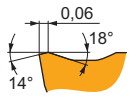
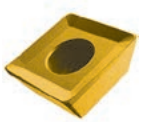
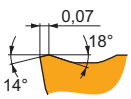
SOMT 09

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
09T3	9.550	3.50	9.55	3.97

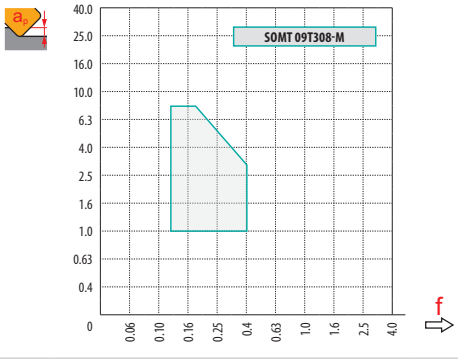


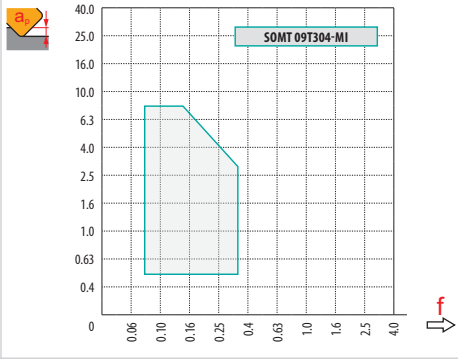
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。当设置角度为90°条件时，参考我们的Machining Calculator app，以获得进一步

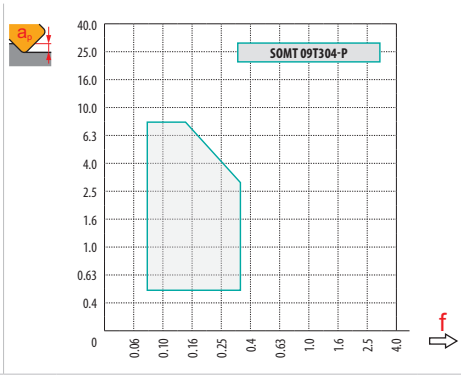
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			M槽型，具有正前角设计，适用于中等加工。																	
SOMT 09T308-M	**8215**	0.8	■ 275	0.14	2.5	◪ 165	0.13	2.5	◪ 260	0.14	2.5	–	–	–	◪ 65	0.13	2.0	–	–	–
	M5315	0.8	◪ 390	0.14	2.5	–	–	–	◪ 370	0.14	2.5	–	–	–	–	–	–	–	–	–
	M8330	0.8	■ 270	0.14	2.5	■ 160	0.13	2.5	◪ 255	0.14	2.5	–	–	–	◪ 65	0.13	2.0	–	–	–
	M8340	0.8	■ 250	0.14	2.5	■ 150	0.13	2.5	◪ 235	0.14	2.5	–	–	–	◪ 60	0.13	2.0	–	–	–
	M9315	0.8	■ 380	0.14	2.5	–	–	–	◪ 360	0.14	2.5	–	–	–	–	–	–	–	–	–
																				
			MI槽型，具有稳定的正前角设计，适用于中等加工。																	
SOMT 09T304-MI	**8215**	0.4	■ 230	0.14	2.5	◪ 135	0.13	2.5	◪ 215	0.14	2.5	–	–	–	◪ 55	0.10	2.0	–	–	–
	M8310	0.4	■ 255	0.14	2.5	◪ 130	0.13	2.5	◪ 240	0.14	2.5	–	–	–	–	–	–	–	–	–
	M8330	0.4	■ 230	0.14	2.5	■ 135	0.13	2.5	◪ 215	0.14	2.5	–	–	–	◪ 55	0.10	2.0	–	–	–
	M8340	0.4	■ 210	0.14	2.5	■ 125	0.13	2.5	◪ 195	0.14	2.5	–	–	–	◪ 50	0.10	2.0	–	–	–
	M9315	0.4	■ 320	0.14	2.5	–	–	–	◪ 300	0.14	2.5	–	–	–	–	–	–	–	–	–
	M9340	0.4	■ 265	0.14	2.5	■ 155	0.13	2.5	–	–	–	–	–	–	◪ 65	0.10	2.0	–	–	–
																				
			P槽型，具有大正前角设计，适用于中等加工。																	
SOMT 09T304-P	**M8330**	0.4	■ 250	0.14	2.5	◪ 150	0.13	2.5	◪ 235	0.14	2.5	–	–	–	◪ 60	0.10	2.0	–	–	–
	M8340	0.4	■ 230	0.14	2.5	◪ 135	0.13	2.5	◪ 215	0.14	2.5	–	–	–	◪ 55	0.10	2.0	–	–	–
	M9325	0.4	■ 320	0.14	2.5	–	–	–	◪ 300	0.14	2.5	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SOMT 09-M	SOMT 09-MI	SOMT 09-P
RE	0.8	0.4	0.4
BS	0.90	1.30	1.30







max
6.0

a_p	1.0	4.0	8.0
1 ⇨ f	0.28	0.19	0.09

SSD12

P M K N S

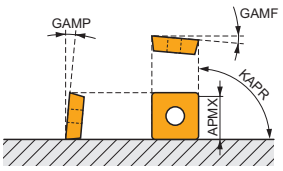
PRAMET

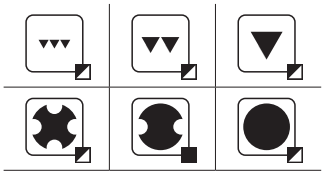
S

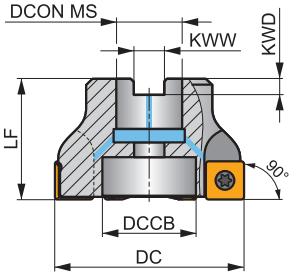
90° 方肩铣刀使用SDMT 12刀片，带内冷

90°面铣，使用正前角SDMT　12刀片，具有APMX(最大切深)10 mm。适用于面铣，方肩铣，铣槽和插铣。只提供芯轴式类型，尺寸范围是从Ø 50至Ø 160 mm。刀体经过处理，使用寿命更长。

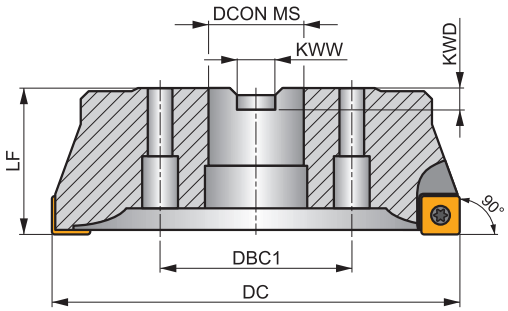
KAPR	90°
APMX	10.0 mm







DC 50 - 125 mm



DC 160 mm

h_m 0.09 – 0.25

	产品型号	DC (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**50A05R-S90SD12-C**	50	40	22	18	–	10.4	6.3	-5	8	5	–	13000	✓	0.34	GI057	SQ413	–
	63A06R-S90SD12-C	63	40	22	18	–	10.4	6.3	-5	8	6	–	11600	✓	0.53	GI057	SQ413	–
	80A06R-S90SD12-C	80	50	27	38	–	12.4	7	-5	8	6	–	10300	✓	0.92	GI057	SQ411	AC001
	100A08R-S90SD12-C	100	50	32	45	–	14.4	8	-5	8	8	–	9200	✓	1.69	GI057	SQ411	AC002
	125A09R-S90SD12-C	125	63	40	56	–	16.4	9	-5	8	9	–	8300	✓	3.29	GI057	SQ411	AC003
	160C12R-S90SD12	160	63	40	–	66.7	16.4	9	-5	8	12	–	7300	–	5.74	GI057	SQ411	–

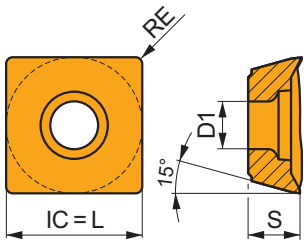
GI057	SDMT 1205..

					Nm					
SQ411	SSN 100312	MS 3510	HXK 3,5	US 3511-T15	3.0	M 3.5	11	D-T07/T15	FG-15	–
SQ413	–	–	–	US 3511-T15	3.0	M 3.5	11	D-T07/T15	FG-15	HS 1030C

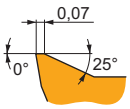
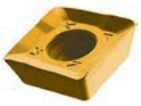
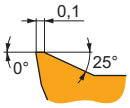
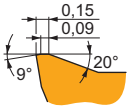
AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

SDMT 12

	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1205	12.700	4.40	12.70	5.00

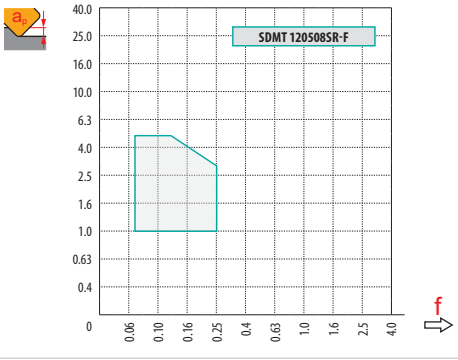


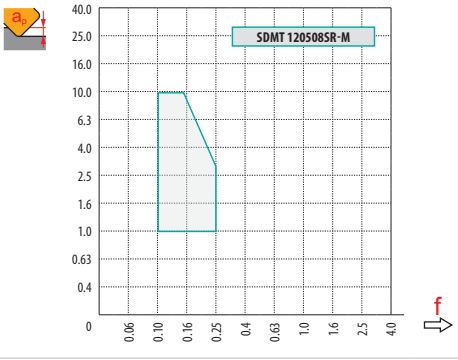
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

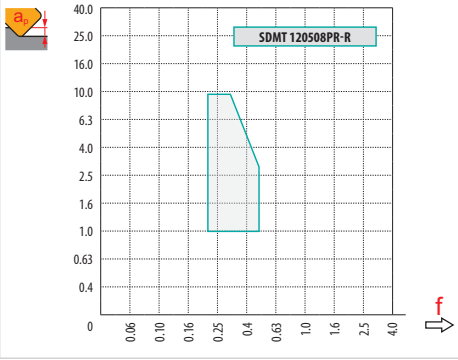
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			F槽型，具有正前角设计，适用于轻载到中等加工。																	
SDMT 120508SR-F	**M8330**	0.8	■ 275	0.10	3.0	◪ 165	0.09	3.0	◪ 260	0.10	3.0	◪ 825	0.12	3.0	◪ 65	0.08	2.4	–	–	–
	M8340	0.8	■ 250	0.10	3.0	◪ 150	0.09	3.0	◪ 235	0.10	3.0	–	–	–	◪ 60	0.08	2.4	–	–	–
																				
			M槽型，具有前角设计，适用于轻载到中等加工。																	
SDMT 120508SR-M	**8215**	0.8	■ 245	0.16	3.5	◪ 145	0.14	3.5	◪ 230	0.16	3.5	–	–	–	◪ 60	0.11	2.8	–	–	–
	M8330	0.8	■ 240	0.16	3.5	■ 140	0.14	3.5	◪ 225	0.16	3.5	–	–	–	◪ 60	0.11	2.8	–	–	–
	M8340	0.8	■ 220	0.16	3.5	■ 130	0.14	3.5	◪ 205	0.16	3.5	–	–	–	◪ 55	0.11	2.8	–	–	–
	M9325	0.8	■ 305	0.16	3.5	–	–	–	◪ 285	0.16	3.5	–	–	–	–	–	–	–	–	–
																				
			R槽型，具有稳定的正前角设计，适用于中等加工。																	
SDMT 120508PR-R	**M8330**	0.8	■ 220	0.25	3.5	◪ 130	0.23	3.5	■ 205	0.25	3.5	–	–	–	◪ 55	0.23	2.8	–	–	–
	M8340	0.8	■ 195	0.25	3.5	◪ 115	0.23	3.5	◪ 185	0.25	3.5	–	–	–	◪ 45	0.23	2.8	–	–	–
	M9315	0.8	■ 280	0.25	3.5	–	–	–	■ 265	0.25	3.5	–	–	–	–	–	–	–	–	–
	M9325	0.8	■ 265	0.25	3.5	–	–	–	■ 250	0.25	3.5	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SDMT 12-F	SDMT 12-M	SDMT 12-R
RE	0.8	0.8	0.8
BS	–	–	–







max.
8.0

a_p	1.0	5.0	10.0
f	0.39	0.25	0.14

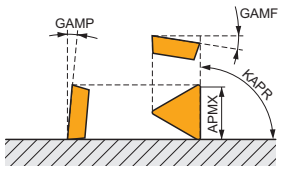
FTB27X

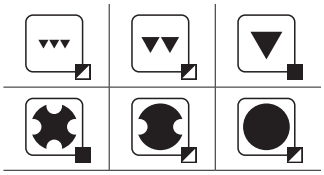
粗加工TB方肩面铣刀，使用TBMR 27刀片，适用于重载铣削

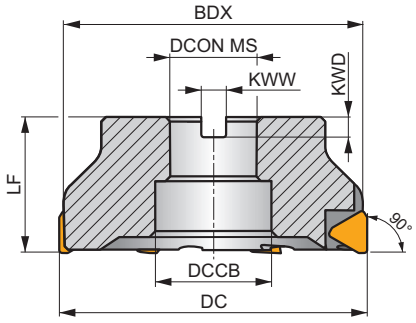
90°面铣，使用正前角TBMR27刀片，具有APMX(最大切深)18 mm。适用于重载面铣，方肩铣和铣槽。只提供芯轴式类型，尺寸范围是从Ø 140至Ø 260 mm，具有不等齿距，刀体经过处理，使用寿命更长。

ROUGH TB

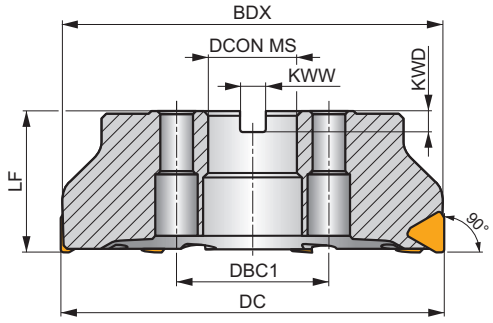
KAPR	90°
APMX	18.0 mm







DC 140 mm



DC 175 – 260 mm

h_m 0.15 – 0.38

	产品型号	DC (mm)	BDX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**140B07R-F90TB27X**	140	135.7	63	40	56	–	16.4	9	-9	9	7	✓	–	–	4.75	GI163	SQ421	AC003
	175C08R-F90TB27X	175	169.6	63	40	–	66.7	16.4	16.4	-9	9	8	✓	–	–	7.59	GI163	SQ424	–
	210C10R-F90TB27X	210	204.1	63	60	–	101.6	25.7	25.7	-9	9	10	✓	–	–	10.80	GI163	SQ425	–
	260C12R-F90TB27X	260	253.4	63	60	–	101.6	25.7	25.7	-9	9	12	✓	–	–	18.21	GI163	SQ425	–

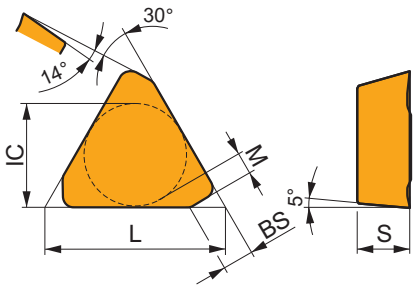
GI163	TBMR 2707PZ..

SQ421	LNK 220616	US 6013-T20P	SDR T20P-T	KU TBMR 2707	DS 01Z	KL 04	–
SQ424	LNK 220616	US 6013-T20P	SDR T20P-T	KU TBMR 2707	DS 01Z	KL 04	HS 1240
SQ425	LNK 220616	US 6013-T20P	SDR T20P-T	KU TBMR 2707	DS 01Z	KL 04	HS 1655

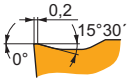
AC003	KS 2040	K.FMH40

TBMR 27

	BS (mm)	IC (mm)	L (mm)	M (mm)	S (mm)
2707	4.61	15.875	27.50	3	7.94

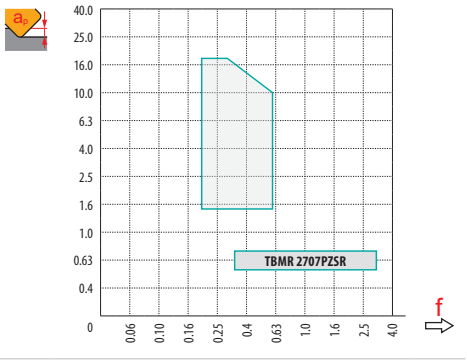


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			强壮的设计，适用于重载加工。																	
TBMR 2707PZSR	M8326	–	130	0.20	11.0	–	–	–	120	0.20	11.0	–	–	–	–	–	–	–	–	–
	M8346	–	110	0.20	11.0	65	0.20	11.0	–	–	–	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	TBMR 27
RE	–
BS	2.70



a_p	1.5	8.0	18.0
f	0.60	0.39	0.24

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深方肩铣

深方肩铣

>>>

	J(T)-SAD11E	J(T)-SAD16E	J(T)-SLSN	J(T)-SSAP	J(T)-2416
	90°	90°	90°	90°	90°
	APMX (mm) 37.0 – 56.0	APMX (mm) 40.0 – 108.0	APMX (mm) 104.0 – 134.0	APMX (mm) 58.0 – 95.0	APMX (mm) 40.0 – 63.0
	DC (mm) 25 – 50	DC (mm) 50 – 100	DC (mm) 63 – 80	DC (mm) 50 – 80	DC (mm) 20 – 40
侧固刀柄	DC = 25 – 40 (mm)				
莫氏锥柄	DC = 25 – 40 (mm)				
刀柄		DC = 50 – 80 (mm)			
套式铣刀	DC = 50 (mm)	DC = 50 – 100 (mm)			
页码	482	488	494	498	503
ISO	P M K N S H	P M K N S H	P K	P M K N S H	P M K N
刀片形状					–
刀片	AD 11T3	AD.. 1606	LNET 1606 SN.. 1305	APE. 150412 SPE. 1204	–
切削刃数量	2	2	2 / 8	2 / 4	–
深方肩铣	■	■	■	■	■
深槽铣	■	■	■	■	◪
平面铣	◪	◪	◪	◪	◪
插铣	◪	◪	◪	◪	

■ 推荐使用 ◪ 可以使用

<<<

深方肩铣

	J(T)-CSD12X					
	90°					
	APMX (mm) 44.1 – 87.3					
	DC (mm) 40 – 63					
	DC = 40 – 50 (mm)					
	DC = 50 (mm)					
	DC = 40 – 63 (mm)					
	DC = 50 – 80 (mm)					
	505					
ISO	P M S					
	SD.X 1205					
	4					
	■					
	■					
	◪					

■ 推荐使用 ◪ 可以使用

J(T)-SAD11E

P M K N S

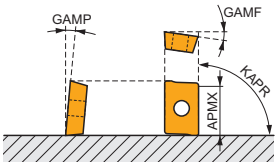
PRAMET S

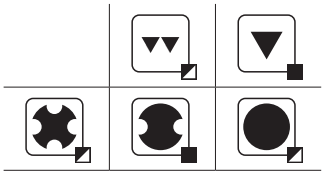
螺旋AD11长刃铣刀，带内冷

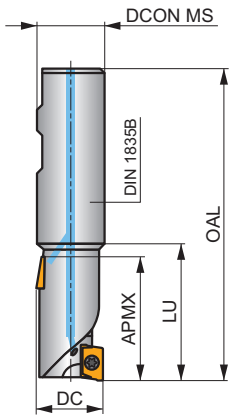
90°长刃方肩铣刀，使用正前角ADMX 11刀片，具有APMX(最大切深)37至56 mm，具有内冷。适用于方肩铣，铣槽，面铣或插铣。可提供侧固柄，莫氏锥柄和芯轴式类型，尺寸范围从Ø 25至Ø 50 mm。刀体经过处理，使用寿命更长。

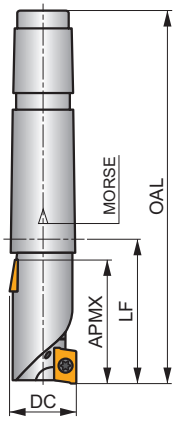
FORCE AD

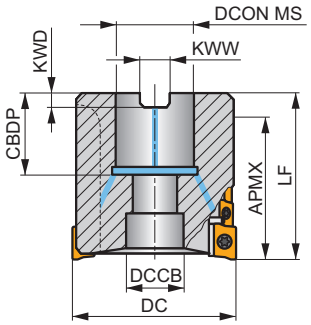
KAPR	90°
APMX	37.0 – 56.0 mm

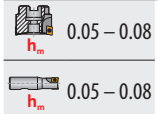












	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	APMX (mm)	CBDP (mm)	CZC MS	GAMF (°)	GAMP (°)	NOF			max.		kg		
DIN 1835B	**25J2R50B25-SAD11E38-C**	25	106	25	–	50	–	38.00	–	–	-10.5	5	2	8	–	24100	✓	0.32	GI184	SQ210
	32J2R60B32-SAD11E47-C	32	120	32	–	60	–	47.00	–	–	-9	8	2	10	–	21300	✓	0.60	GI184	SQ210
	40J2R60B40-SAD11E47-C	40	130	40	–	60	–	47.00	–	–	-8.1	11	2	10	–	19100	✓	1.12	GI184	SQ210
	40J3R70B32-SAD11E56-C	40	130	32	–	70	–	56.00	–	–	-8.1	11	3	18	–	19100	✓	0.76	GI184	SQ210
	40J3R70B40-SAD11E56-C	40	140	40	–	70	–	56.00	–	–	-8.1	11	3	18	–	19100	✓	1.12	GI184	SQ210
DIN 228A	**25J2R55E03-SAD11E38-C**	25	136	–	–	–	55	38.00	–	3	-10.5	5	2	8	–	24100	✓	0.38	GI184	SQ210
	32J2R65E04-SAD11E47-C	32	167.5	–	–	–	65	47.00	–	4	-9	8	2	10	–	21300	✓	0.72	GI184	SQ210
	40J3R75E04-SAD11E56-C	40	177.5	–	–	–	75	56.00	–	4	-8.1	11	3	18	–	19100	✓	0.85	GI184	SQ210
ISO 6462 DIN 8030	**50T03R-S90AD11E37-C**	50	–	22	18	–	58	37.00	21	–	-7.2	12	3	12	–	17000	✓	0.67	GI184	SQ903

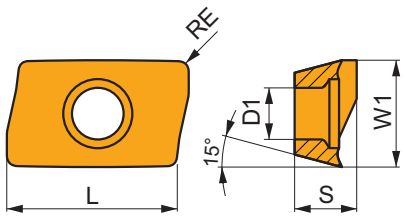
GI184	ADMX 11T3..	ADEX 11T3..-FA

		Nm						
SQ210	US 2506-T07P	1.2	M 2.5	6.3	–	–	Flag T07P	–
SQ903	US 2506-T07P	1.2	M 2.5	6.3	D-T07P/T09P	FG-15	–	HS 1030C

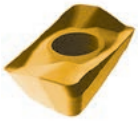
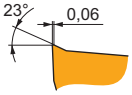
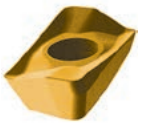
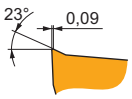
ADMX 11

PRAMET

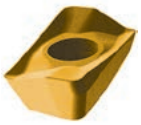
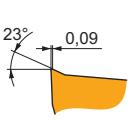
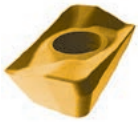
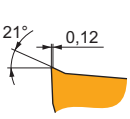
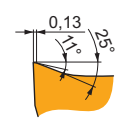
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.530	2.90	11.00	3.97



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

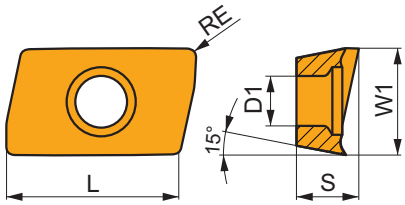
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			F槽型，具有非常锋利正前角设计，适用于轻载加工。																	
ADMX 11T304SR-F	**8215**	0.4	■	245	0.10	2.0	◪	145	0.09	2.0	◪	230	0.10	2.0	◪	735	0.12	2.0	◪	60	0.08	1.6	–	–	–
	M8310	0.4	■	270	0.10	2.0	◪	135	0.09	2.0	◪	255	0.10	2.0		–	–	–		–	–	–	–	–	–
	M8330	0.4	■	240	0.10	2.0	◪	140	0.09	2.0	◪	225	0.10	2.0	◪	720	0.12	2.0	◪	60	0.08	1.6	–	–	–
	M8340	0.4	■	220	0.10	2.0	◪	130	0.09	2.0	◪	205	0.10	2.0		–	–	–	◪	55	0.08	1.6	–	–	–
	M9340	0.4	■	285	0.10	2.0	◪	170	0.09	2.0		–	–	–		–	–	–	◪	70	0.08	1.6	–	–	–
ADMX 11T308SR-F	**8215**	0.8	■	290	0.10	2.0	◪	170	0.09	2.0	◪	275	0.10	2.0	◪	870	0.12	2.0	◪	70	0.08	1.6	–	–	–
	M8330	0.8	■	285	0.10	2.0	◪	170	0.09	2.0	◪	270	0.10	2.0	◪	855	0.12	2.0	◪	70	0.08	1.6	–	–	–
	M8340	0.8	■	260	0.10	2.0	◪	155	0.09	2.0	◪	245	0.10	2.0		–	–	–	◪	65	0.08	1.6	–	–	–
	M9340	0.8	■	340	0.10	2.0	◪	200	0.09	2.0		–	–	–		–	–	–	◪	85	0.08	1.6	–	–	–
																				
			M槽型，具有前角设计，适用于轻载到中等加工。																	
ADMX 11T302SR-M	**M8330**	0.2	■	190	0.15	4.0	■	110	0.14	4.0	■	180	0.15	4.0		–	–	–	◪	45	0.12	3.2	–	–	–
	M8340	0.2	■	170	0.15	4.0	■	100	0.14	4.0	◪	160	0.15	4.0		–	–	–	◪	40	0.12	3.2	–	–	–
ADMX 11T304SR-M	**8215**	0.4	■	205	0.15	4.0	◪	120	0.14	4.0	■	190	0.15	4.0		–	–	–	◪	50	0.12	3.2	–	–	–
	M8310	0.4	■	220	0.15	4.0	◪	110	0.14	4.0	■	205	0.15	4.0		–	–	–		–	–	–	–	–	–
	M8330	0.4	■	205	0.15	4.0	■	120	0.14	4.0	■	190	0.15	4.0		–	–	–	◪	50	0.12	3.2	–	–	–
	M8340	0.4	■	185	0.15	4.0	■	110	0.14	4.0	◪	175	0.15	4.0		–	–	–	◪	45	0.12	3.2	–	–	–
	M9325	0.4	■	255	0.15	4.0		–	–	–	■	240	0.15	4.0		–	–	–		–	–	–	–	–	–
	M9340	0.4	■	235	0.15	4.0	■	140	0.14	4.0		–	–	–		–	–	–	◪	55	0.12	3.2	–	–	–
ADMX 11T308SR-M	**8215**	0.8	■	245	0.15	4.0	◪	145	0.14	4.0	■	230	0.15	4.0		–	–	–	◪	60	0.12	3.2	–	–	–
	M5315	0.8	◪	335	0.15	4.0		–	–	–	■	315	0.15	4.0		–	–	–		–	–	–	–	–	–
	M8310	0.8	■	265	0.15	4.0	◪	135	0.14	4.0	■	250	0.15	4.0		–	–	–		–	–	–	–	–	–
	M8330	0.8	■	245	0.15	4.0	■	145	0.14	4.0	■	230	0.15	4.0		–	–	–	◪	60	0.12	3.2	–	–	–
	M8340	0.8	■	220	0.15	4.0	■	130	0.14	4.0	◪	205	0.15	4.0		–	–	–	◪	55	0.12	3.2	–	–	–
	M9315	0.8	■	330	0.15	4.0		–	–	–	■	310	0.15	4.0		–	–	–		–	–	–	–	–	–
	M9325	0.8	■	305	0.15	4.0		–	–	–	■	285	0.15	4.0		–	–	–		–	–	–	–	–	–
	M9340	0.8	■	275	0.15	4.0	■	165	0.14	4.0		–	–	–		–	–	–	◪	65	0.12	3.2	–	–	–
ADMX 11T310SR-M	**M8330**	1.0	■	255	0.15	4.0	■	150	0.14	4.0	■	240	0.15	4.0		–	–	–	◪	60	0.12	3.2	–	–	–
	M8340	1.0	■	230	0.15	4.0	■	135	0.14	4.0	◪	215	0.15	4.0		–	–	–	◪	55	0.12	3.2	–	–	–
ADMX 11T312SR-M	**8215**	1.2	■	255	0.15	4.0	◪	150	0.14	4.0	■	240	0.15	4.0		–	–	–	◪	60	0.12	3.2	–	–	–
	M8330	1.2	■	255	0.15	4.0	■	150	0.14	4.0	■	240	0.15	4.0		–	–	–	◪	60	0.12	3.2	–	–	–
	M8340	1.2	■	230	0.15	4.0	■	135	0.14	4.0	◪	215	0.15	4.0		–	–	–	◪	55	0.12	3.2	–	–	–
ADMX 11T316SR-M	**8215**	1.6	■	270	0.15	4.0	◪	160	0.14	4.0	■	255	0.15	4.0		–	–	–	◪	65	0.12	3.2	–	–	–
	M6330	1.6	■	230	0.15	4.0	■	165	0.14	4.0		–	–	–		–	–	–	◪	65	0.12	3.2	–	–	–
	M8310	1.6	■	295	0.15	4.0	◪	150	0.14	4.0	■	280	0.15	4.0		–	–	–		–	–	–	–	–	–
	M8330	1.6	■	270	0.15	4.0	■	160	0.14	4.0	■	255	0.15	4.0		–	–	–	◪	65	0.12	3.2	–	–	–
	M8340	1.6	■	240	0.15	4.0	■	140	0.14	4.0	◪	225	0.15	4.0		–	–	–	◪	60	0.12	3.2	–	–	–

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

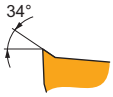
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
M槽型，具有前角设计，适用于轻载到中等加工。																				
ADMX 11T320SR-M	**M6330**	2.0	■ 240	0.15	4.0	■ 170	0.14	4.0	–	–	–	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8330	2.0	■ 280	0.15	4.0	■ 165	0.14	4.0	■ 265	0.15	4.0	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8340	2.0	■ 255	0.15	4.0	■ 150	0.14	4.0	◪ 240	0.15	4.0	–	–	–	◪ 60	0.12	3.2	–	–	–
ADMX 11T325SR-M	**M6330**	2.5	■ 240	0.15	4.0	■ 170	0.14	4.0	–	–	–	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8340	2.5	■ 255	0.15	4.0	■ 150	0.14	4.0	◪ 240	0.15	4.0	–	–	–	◪ 60	0.12	3.2	–	–	–
ADMX 11T330SR-M	**M6330**	3.0	■ 240	0.15	4.0	■ 170	0.14	4.0	–	–	–	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8330	3.0	■ 280	0.15	4.0	■ 165	0.14	4.0	■ 265	0.15	4.0	–	–	–	◪ 70	0.12	3.2	–	–	–
	M8340	3.0	■ 255	0.15	4.0	■ 150	0.14	4.0	◪ 240	0.15	4.0	–	–	–	◪ 60	0.12	3.2	–	–	–
																				
R槽型，具有正前角设计，适用于不稳定的工况。																				
ADMX 11T308PR-R	**8215**	0.8	■ 230	0.18	4.0	◪ 135	0.16	4.0	■ 215	0.18	4.0	–	–	–	◪ 55	0.16	3.2	◪ 45	0.15	1.0
	M5315	0.8	◪ 310	0.18	4.0	–	–	–	■ 290	0.18	4.0	–	–	–	–	–	–	◪ 60	0.15	1.0
	M8310	0.8	■ 250	0.18	4.0	◪ 125	0.16	4.0	■ 235	0.18	4.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	M8330	0.8	■ 230	0.18	4.0	◪ 135	0.16	4.0	■ 215	0.18	4.0	–	–	–	◪ 55	0.16	3.2	◪ 45	0.15	1.0
	M8340	0.8	■ 210	0.18	4.0	◪ 125	0.16	4.0	◪ 195	0.18	4.0	–	–	–	◪ 50	0.16	3.2	–	–	–
	M9315	0.8	■ 310	0.18	4.0	–	–	–	■ 290	0.18	4.0	–	–	–	–	–	–	◪ 60	0.15	1.0
	M9325	0.8	■ 290	0.18	4.0	–	–	–	■ 275	0.18	4.0	–	–	–	–	–	–	◪ 55	0.15	1.0
ADMX 11T316PR-R	**8215**	1.6	■ 255	0.18	4.0	◪ 150	0.16	4.0	■ 240	0.18	4.0	–	–	–	◪ 60	0.16	3.2	◪ 50	0.15	1.0
	M8330	1.6	■ 255	0.18	4.0	◪ 150	0.16	4.0	■ 240	0.18	4.0	–	–	–	◪ 60	0.16	3.2	◪ 50	0.15	1.0
	M9325	1.6	■ 320	0.18	4.0	–	–	–	■ 300	0.18	4.0	–	–	–	–	–	–	◪ 60	0.15	1.0
MF槽型，具有大正前角设计，适用于轻载到精加工。																				
ADMX 11T304SR-MF	**M6330**	0.4	■ 215	0.08	2.5	■ 150	0.07	2.5	–	–	–	–	–	–	■ 60	0.06	2.0	–	–	–
	M8340	0.4	■ 220	0.08	2.5	■ 130	0.07	2.5	–	–	–	–	–	–	■ 55	0.06	2.0	–	–	–
ADMX 11T308SR-MF	**M6330**	0.8	■ 255	0.08	2.5	■ 180	0.07	2.5	–	–	–	–	–	–	■ 75	0.06	2.0	–	–	–
	M8340	0.8	■ 265	0.08	2.5	■ 155	0.07	2.5	–	–	–	–	–	–	■ 65	0.06	2.0	–	–	–
	M9340	0.8	■ 360	0.08	2.5	■ 215	0.07	2.5	–	–	–	–	–	–	■ 90	0.06	2.0	–	–	–
																				
MM槽型，具有大前角设计，适用于轻载到中等加工。																				
ADMX 11T304SR-MM	**M6330**	0.4	■ 185	0.14	2.5	■ 130	0.13	2.5	–	–	–	–	–	–	■ 55	0.11	2.0	–	–	–
	M8340	0.4	■ 195	0.14	2.5	■ 115	0.13	2.5	–	–	–	–	–	–	■ 45	0.11	2.0	–	–	–
	M9340	0.4	■ 250	0.14	2.5	■ 150	0.13	2.5	–	–	–	–	–	–	■ 60	0.11	2.0	–	–	–
ADMX 11T308SR-MM	**M6330**	0.8	■ 225	0.14	2.5	■ 155	0.13	2.5	–	–	–	–	–	–	■ 65	0.11	2.0	–	–	–
	M8340	0.8	■ 235	0.14	2.5	■ 140	0.13	2.5	–	–	–	–	–	–	■ 55	0.11	2.0	–	–	–
	M8345	0.8	■ 190	0.14	2.5	■ 110	0.13	2.5	–	–	–	–	–	–	■ 45	0.11	2.0	–	–	–
	M9340	0.8	■ 300	0.14	2.5	■ 180	0.13	2.5	–	–	–	–	–	–	■ 75	0.11	2.0	–	–	–
ADMX 11T312SR-MM	**M6330**	1.2	■ 235	0.14	2.5	■ 165	0.13	2.5	–	–	–	–	–	–	■ 70	0.11	2.0	–	–	–
	M8340	1.2	■ 245	0.14	2.5	■ 145	0.13	2.5	–	–	–	–	–	–	■ 60	0.11	2.0	–	–	–
	M9340	1.2	■ 315	0.14	2.5	■ 185	0.13	2.5	–	–	–	–	–	–	■ 75	0.11	2.0	–	–	–

ADEX 11-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.450	2.90	9.70	3.91



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
FA槽型，具有大正前角设计，适用于精加工到中等加工。																				
ADEX 11T304FR-FA	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■	210	0.30	5.0	–	–	–	–	–	–
	M0315	0.4	–	–	–	–	–	–	–	–	–	■	480	0.30	5.0	–	–	–	–	–	–
ADEX 11T308FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■	240	0.30	5.0	–	–	–	–	–	–
	M0315	0.8	–	–	–	–	–	–	–	–	–	■	570	0.30	5.0	–	–	–	–	–	–
ADEX 11T312FR-FA	**HF7**	1.2	–	–	–	–	–	–	–	–	–	■	255	0.30	5.0	–	–	–	–	–	–
	M0315	1.2	–	–	–	–	–	–	–	–	–	■	600	0.30	5.0	–	–	–	–	–	–
ADEX 11T316FR-FA	**HF7**	1.6	–	–	–	–	–	–	–	–	–	■	270	0.18	5.0	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	0.89	0.81	0.76	0.73	0.71	0.70	0.67	0.65	0.63	0.62	0.60	0.60	0.60	0.45

$a_{e\,max}$	1		2.5		5		7.5		10		15		20	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
25	0.25	0.40	0.16	0.26	0.12	0.19	0.10	0.15	0.09	0.14	0.07	0.12	0.07	0.11
32	0.28	0.45	0.18	0.29	0.13	0.21	0.11	0.17	0.09	0.15	0.08	0.13	0.07	0.12
40	0.32	0.51	0.20	0.32	0.14	0.23	0.12	0.19	0.10	0.17	0.09	0.14	0.08	0.13
50	0.35	0.57	0.23	0.36	0.16	0.26	0.13	0.21	0.12	0.19	0.10	0.15	0.09	0.14

$a_{e\,max}$	25		32		40		50	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
25	0.08	0.13	–	–	–	–	–	–
32	0.07	0.11	0.08	0.13	–	–	–	–
40	0.07	0.12	0.07	0.11	0.08	0.13	–	–
50	0.08	0.13	0.07	0.12	0.07	0.11	0.08	0.13

	ADMX 11-F		ADMX 11-M									ADMX 11-R		ADMX 11-MF		ADMX 11-MM			ADEX 11-FA			
RE	0.4	0.8	0.2	0.4	0.8	1.0	1.2	1.6	2.0	2.5	3.0	0.8	1.6	0.4	0.8	0.4	0.8	1.2	0.4	0.8	1.2	1.6
BS	1.89	1.48	2.09	1.89	1.48	1.27	1.08	0.68	1.61	1.13	0.66	1.48	0.68	1.89	1.48	1.89	1.48	1.08	1.77	1.39	1.0	0.62

ISO	DC		APMX	a_p
25J2R50B25-SAD11E38-C	25	2	38	34.5
32J2R60B32-SAD11E47-C	32	2	47	43.5
40J2R60B40-SAD11E47-C	40	2	47	43.5
40J3R70B32-SAD11E56-C	40	3	56	52.5
40J3R70B40-SAD11E56-C	40	3	56	52.5
25J2R55E03-SAD11E38-C	25	2	38	34.5
32J2R65E04-SAD11E47-C	32	2	47	43.5
40J3R75E04-SAD11E56-C	40	3	56	52.5
50T03R-S90AD11E37-C	50	3	37	33.5

max
4.5

ADMX/ADEX 11	R
ADMX 11T320SR-M	1.0
ADMX 11T325SR-M	1.8
ADMX 11T330SR-M	1.8

J(T)-SAD16E

P M K N S

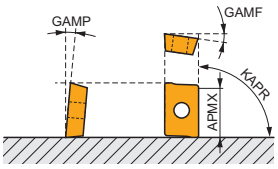
PRAMET

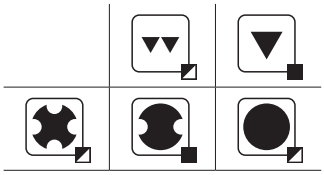
S

螺旋AD16长刃铣刀，带内冷

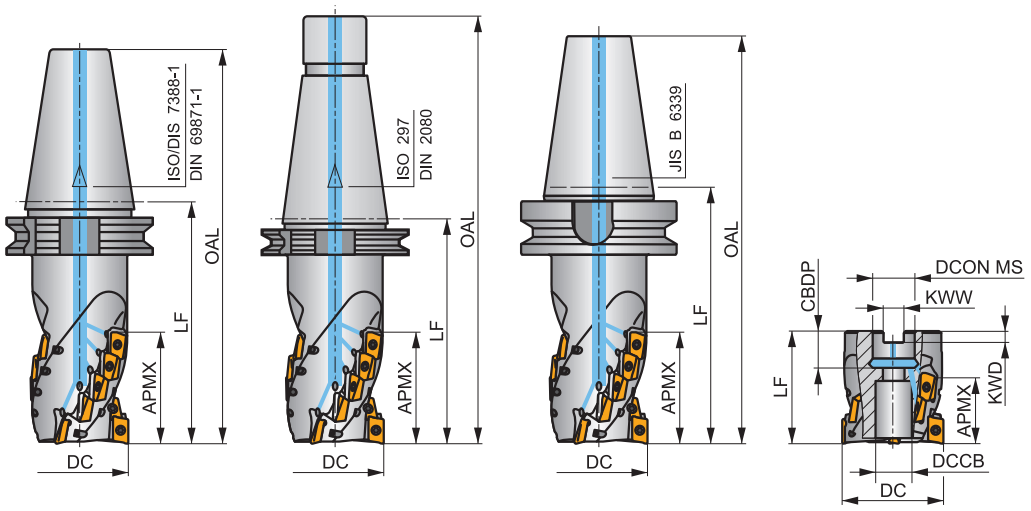
90°长刃方肩铣刀，使用正前角AD..　16刀片，具有APMX(最大切深)40至108 mm，具有内冷。适用于方肩铣，铣槽，面铣或插铣。可提供芯轴式，DIN69871，BT和DIN2080刀柄类型，尺寸范围从Ø 50至Ø 100 mm，有或没有不等齿距。刀体经过处理，使用寿命更长。

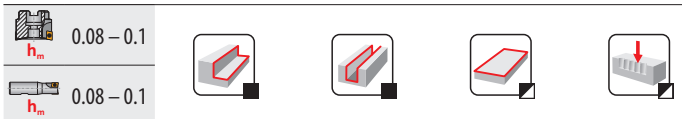
KAPR	90°
APMX	40.0 – 108.0 mm





FORCE AD





	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	APMX (mm)	CBDP (mm)	CZC MS	GAMF (°)	GAMP (°)	NOF			max.		kg		
ISO/DIS 7388-1	50J3R100H50-SAD16E54-C	50	202	–	–	–	100	54.00	–	50	-6	12	3	12	–	13200	✓	4.08	GI282	SQ031
	50J3R140H50-SAD16E80-C	50	242	–	–	–	140	80.00	–	50	-6	12	3	18	–	13200	✓	4.38	GI282	SQ031
	63J3R140H50-SAD16E68-C	63	242	–	–	–	140	68.00	–	50	-6	12	3	15	–	11700	✓	5.34	GI282	SQ031
	63J3R155H50-SAD16E95-C	63	257	–	–	–	155	95.00	–	50	-6	12	3	21	–	11700	✓	5.43	GI282	SQ031
	80J4R165H50-SAD16E108-C	80	257	–	–	–	165	108.00	–	50	-6	12	4	32	✓	10400	✓	7.37	GI282	SQ031
ISO 297	50J3R140G50-SAD16E80-C	50	267	–	–	–	140	80.00	–	50	-6	12	3	18	–	13200	✓	4.48	GI282	SQ031
	63J3R155G50-SAD16E95-C	63	282	–	–	–	155	95.00	–	50	-6	12	3	21	–	11700	✓	5.52	GI282	SQ031
	80J4R165G50-SAD16E108-C	80	292	–	–	–	165	108.00	–	50	-6	12	4	32	✓	10400	✓	7.51	GI282	SQ031
JIS B 6339	50J3R140X50-SAD16E68-C	50	242	–	–	–	140	68.00	–	50	-6	12	3	15	–	13200	✓	5.28	GI282	SQ031
	63J3R155X50-SAD16E80-C	63	257	–	–	–	155	80.00	–	50	-6	12	3	18	–	11700	✓	6.19	GI282	SQ031
	80J4R165X50-SAD16E95-C	80	267	–	–	–	165	95.00	–	50	-6	12	4	28	✓	10400	✓	7.84	GI282	SQ031
ISO 6462 DIN 8030	50T03R-S90AD16E40-C	50	–	22	18	–	70	40.00	21	–	-6	12	3	9	–	13200	✓	1.11	GI282	SQ913
	63T04R-S90AD16E40-C	63	–	27	22	–	70	40.00	22	–	-6	12	4	12	✓	11700	✓	1.50	GI282	SQ914
	63T04R-S90AD16E68-C	63	–	27	22	–	100	68.00	22	–	-6	12	4	20	✓	11700	✓	1.86	GI282	SQ914
	80T04R-S90AD16E55-C	80	–	32	30	–	85	55.00	25	–	-6	12	4	16	✓	10400	✓	2.56	GI282	SQ915
	80T04R-S90AD16E80-C	80	–	32	30	–	115	80.00	25	–	-6	12	4	24	✓	10400	✓	3.17	GI282	SQ915
	100T05R-S90AD16E80-C	100	–	40	36	–	120	80.00	30	–	-6	12	5	30	✓	9300	✓	5.73	GI282	SQ916

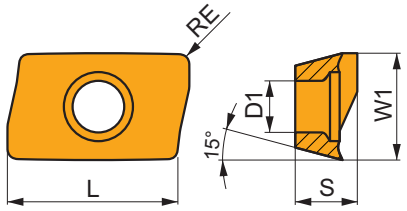
GI282	ADMX 1606..	ADEX 1606..-FA	ADEX 1606..-FM

		Nm					
SQ031	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–
SQ913	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	HS 1030C
SQ914	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	HS 1230C
SQ915	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	HS 1630C
SQ916	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	HS 2040C

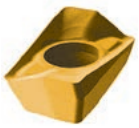
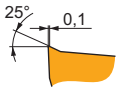
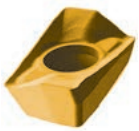
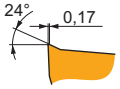
ADMX 16

PRAMET

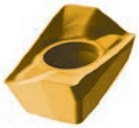
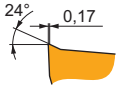
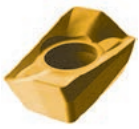
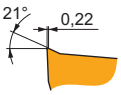
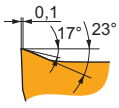
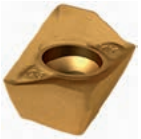
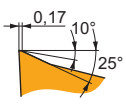
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	6.25



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
F槽型，具有大正前角设计，适用于轻载到中等加工。																				
ADMX 160608SR-F	**8215**	0.8	265	0.15	2.0	155	0.14	2.0	250	0.15	2.0	795	0.18	2.0	65	0.11	1.6	–	–	–
	M8310	0.8	285	0.15	2.0	145	0.14	2.0	270	0.15	2.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	260	0.15	2.0	155	0.14	2.0	245	0.15	2.0	780	0.18	2.0	65	0.11	1.6	–	–	–
	M8340	0.8	235	0.15	2.0	140	0.14	2.0	220	0.15	2.0	–	–	–	55	0.11	1.6	–	–	–
	M9340	0.8	300	0.15	2.0	180	0.14	2.0	–	–	–	–	–	–	75	0.11	1.6	–	–	–
																				
M槽型，具有前角设计，适用于轻载到中等加工。																				
ADMX 160604SR-M	**8215**	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	–	–	–	45	0.13	4.0	–	–	–
	M8330	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	–	–	–	45	0.13	4.0	–	–	–
	M8340	0.4	170	0.18	5.0	100	0.16	5.0	160	0.18	5.0	–	–	–	40	0.13	4.0	–	–	–
ADMX 160608SR-M	**8215**	0.8	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
	M5315	0.8	305	0.18	5.0	–	–	–	285	0.18	5.0	–	–	–	–	–	–	–	–	–
	M8310	0.8	250	0.18	5.0	125	0.16	5.0	235	0.18	5.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
	M8340	0.8	205	0.18	5.0	120	0.16	5.0	190	0.18	5.0	–	–	–	50	0.13	4.0	–	–	–
	M9315	0.8	305	0.18	5.0	–	–	–	285	0.18	5.0	–	–	–	–	–	–	–	–	–
	M9325	0.8	280	0.18	5.0	–	–	–	265	0.18	5.0	–	–	–	–	–	–	–	–	–
	M9340	0.8	255	0.18	5.0	150	0.16	5.0	–	–	–	–	–	–	60	0.13	4.0	–	–	–
ADMX 160616SR-M	**8215**	1.6	250	0.18	5.0	150	0.16	5.0	235	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
	M8310	1.6	275	0.18	5.0	140	0.16	5.0	260	0.18	5.0	–	–	–	–	–	–	–	–	–
	M8330	1.6	250	0.18	5.0	150	0.16	5.0	235	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
	M8340	1.6	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
	M9325	1.6	310	0.18	5.0	–	–	–	290	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160620SR-M	**M6330**	2.0	225	0.18	5.0	155	0.16	5.0	–	–	–	–	–	–	65	0.13	4.0	–	–	–
	M8330	2.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–
	M8340	2.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–

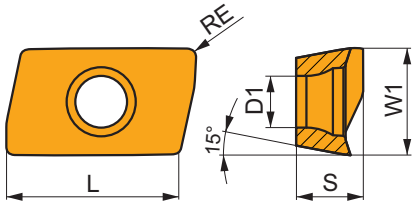
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
M槽型，具有前角设计，适用于轻载到中等加工。																				
ADMX 160630SR-M	**M8330**	3.0	■ 265	0.18	5.0	■ 155	0.16	5.0	■ 250	0.18	5.0	–	–	–	◪ 65	0.13	4.0	–	–	–
	M8340	3.0	■ 240	0.18	5.0	■ 140	0.16	5.0	◪ 225	0.18	5.0	–	–	–	◪ 60	0.13	4.0	–	–	–
ADMX 160632SR-M	**M6330**	3.2	■ 225	0.18	5.0	■ 155	0.16	5.0	–	–	–	–	–	–	◪ 65	0.13	4.0	–	–	–
	M8330	3.2	■ 265	0.18	5.0	■ 155	0.16	5.0	■ 250	0.18	5.0	–	–	–	◪ 65	0.13	4.0	–	–	–
	M8340	3.2	■ 240	0.18	5.0	■ 140	0.16	5.0	◪ 225	0.18	5.0	–	–	–	◪ 60	0.13	4.0	–	–	–
	M9325	3.2	■ 325	0.18	5.0	–	–	–	■ 305	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160640SR-M	**M6330**	4.0	■ 225	0.18	5.0	■ 155	0.16	5.0	–	–	–	–	–	–	◪ 65	0.13	4.0	–	–	–
	M8330	4.0	■ 265	0.18	5.0	■ 155	0.16	5.0	■ 250	0.18	5.0	–	–	–	◪ 65	0.13	4.0	–	–	–
	M8340	4.0	■ 240	0.18	5.0	■ 140	0.16	5.0	◪ 225	0.18	5.0	–	–	–	◪ 60	0.13	4.0	–	–	–
ADMX 160650SR-M	**M8330**	5.0	■ 265	0.18	5.0	■ 155	0.16	5.0	■ 250	0.18	5.0	–	–	–	◪ 65	0.13	4.0	–	–	–
	M8340	5.0	■ 240	0.18	5.0	■ 140	0.16	5.0	◪ 225	0.18	5.0	–	–	–	◪ 60	0.13	4.0	–	–	–
																				
R槽型，具有正前角设计，适用于中等加工到不稳定的工况。																				
ADMX 160608PR-R	**8215**	0.8	■ 205	0.25	6.0	◪ 120	0.23	6.0	■ 190	0.25	6.0	–	–	–	◪ 50	0.20	4.8	◪ 40	0.15	1.0
	M5315	0.8	◪ 260	0.25	6.0	–	–	–	■ 245	0.25	6.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	M8310	0.8	■ 220	0.25	6.0	◪ 110	0.23	6.0	■ 205	0.25	6.0	–	–	–	–	–	–	◪ 40	0.15	1.0
	M8330	0.8	■ 205	0.25	6.0	◪ 120	0.23	6.0	■ 190	0.25	6.0	–	–	–	◪ 50	0.20	4.8	◪ 40	0.15	1.0
	M8340	0.8	■ 190	0.25	6.0	◪ 110	0.23	6.0	◪ 180	0.25	6.0	–	–	–	◪ 45	0.20	4.8	–	–	–
	M9315	0.8	■ 265	0.25	6.0	–	–	–	■ 250	0.25	6.0	–	–	–	–	–	–	◪ 50	0.15	1.0
	M9325	0.8	■ 250	0.25	6.0	–	–	–	■ 235	0.25	6.0	–	–	–	–	–	–	◪ 50	0.15	1.0
ADMX 160616PR-R	**M5315**	1.6	◪ 290	0.25	6.0	–	–	–	■ 275	0.25	6.0	–	–	–	–	–	–	◪ 55	0.15	1.0
	M8330	1.6	■ 225	0.25	6.0	◪ 135	0.23	6.0	■ 210	0.25	6.0	–	–	–	◪ 55	0.20	4.8	◪ 45	0.15	1.0
	M8340	1.6	■ 210	0.25	6.0	◪ 125	0.23	6.0	◪ 195	0.25	6.0	–	–	–	◪ 50	0.20	4.8	–	–	–
	M9315	1.6	■ 295	0.25	6.0	–	–	–	■ 280	0.25	6.0	–	–	–	–	–	–	◪ 55	0.15	1.0
	M9325	1.6	■ 275	0.25	6.0	–	–	–	■ 260	0.25	6.0	–	–	–	–	–	–	◪ 55	0.15	1.0
																				
MF槽型，具有大正前角设计，适用于精加工。																				
ADMX 160608SR-MF	**M6330**	0.8	■ 215	0.08	4.0	■ 150	0.07	4.0	–	–	–	–	–	–	■ 60	0.06	3.2	–	–	–
	M8340	0.8	■ 225	0.08	4.0	■ 135	0.07	4.0	–	–	–	–	–	–	■ 55	0.06	3.2	–	–	–
	M9340	0.8	■ 305	0.08	4.0	■ 180	0.07	4.0	–	–	–	–	–	–	■ 75	0.06	3.2	–	–	–
																				
MM槽型，具有大前角设计，适用于轻载到中等加工。																				
ADMX 160604SR-MM	**M6330**	0.4	■ 145	0.18	4.0	■ 105	0.16	4.0	–	–	–	–	–	–	■ 40	0.14	3.2	–	–	–
	M8340	0.4	■ 160	0.18	4.0	■ 95	0.16	4.0	–	–	–	–	–	–	■ 40	0.14	3.2	–	–	–
ADMX 160608SR-MM	**M6330**	0.8	■ 175	0.18	4.0	■ 125	0.16	4.0	–	–	–	–	–	–	■ 50	0.14	3.2	–	–	–
	M8340	0.8	■ 190	0.18	4.0	■ 110	0.16	4.0	–	–	–	–	–	–	■ 45	0.14	3.2	–	–	–
	M8345	0.8	■ 150	0.18	4.0	■ 90	0.16	4.0	–	–	–	–	–	–	■ 35	0.14	3.2	–	–	–
	M9340	0.8	■ 235	0.18	4.0	■ 140	0.16	4.0	–	–	–	–	–	–	■ 55	0.14	3.2	–	–	–
ADMX 160616SR-MM	**M6330**	1.6	■ 195	0.18	4.0	■ 140	0.16	4.0	–	–	–	–	–	–	■ 55	0.14	3.2	–	–	–
	M8340	1.6	■ 210	0.18	4.0	■ 125	0.16	4.0	–	–	–	–	–	–	■ 50	0.14	3.2	–	–	–
	M8345	1.6	■ 165	0.18	4.0	■ 95	0.16	4.0	–	–	–	–	–	–	■ 40	0.14	3.2	–	–	–
	M9340	1.6	■ 260	0.18	4.0	■ 155	0.16	4.0	–	–	–	–	–	–	■ 65	0.14	3.2	–	–	–

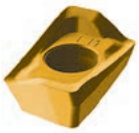
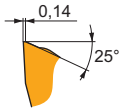
ADEX 16

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1606	9.950	4.50	16.00	6.25



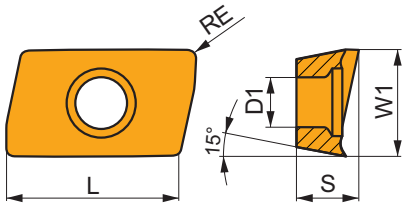
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
FM槽型，具有大正前角设计，适用于中等加工。																				
ADEX 160608SR-FM	**8215**	0.8	■ 260	0.16	2.0	◪ 155	0.14	2.0	■ 245	0.16	2.0	–	–	–	◪ 65	0.11	1.6	–	–	–
	M8330	0.8	■ 255	0.16	2.0	◪ 150	0.14	2.0	■ 240	0.16	2.0	–	–	–	◪ 60	0.11	1.6	–	–	–
	M8340	0.8	■ 235	0.16	2.0	◪ 140	0.14	2.0	◪ 220	0.16	2.0	–	–	–	◪ 55	0.11	1.6	–	–	–

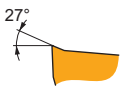
ADEX 16-FA

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1606	9.950	4.50	16.00	6.17



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
FA槽型，具有大正前角设计，适用于精加工到中等加工。																				
ADEX 160604FR-FA	**HF7**	0.4	–	–	–	–	–	–	–	–	–	■ 195	0.28	6.0	–	–	–	–	–	–
	M0315	0.4	–	–	–	–	–	–	–	–	–	■ 480	0.28	6.0	–	–	–	–	–	–
ADEX 160608FR-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	■ 240	0.28	6.0	–	–	–	–	–	–
	M0315	0.8	–	–	–	–	–	–	–	–	–	■ 570	0.28	6.0	–	–	–	–	–	–
ADEX 160616FR-FA	**HF7**	1.6	–	–	–	–	–	–	–	–	–	■ 255	0.28	6.0	–	–	–	–	–	–
	M0315	1.6	–	–	–	–	–	–	–	–	–	■ 630	0.28	6.0	–	–	–	–	–	–
ADEX 160630FR-FA	**HF7**	3.0	–	–	–	–	–	–	–	–	–	■ 270	0.28	6.0	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	0.89	0.81	0.76	0.73	0.71	0.70	0.66	0.65	0.63	0.62	0.60	0.60	0.60	0.45

$a_{e\,max}$	1		2.5		5		7.5		10		15		20	
DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
50	0.57	0.71	0.36	0.45	0.26	0.32	0.21	0.27	0.19	0.23	0.15	0.19	0.14	0.17
63	0.64	0.80	0.40	0.51	0.29	0.36	0.24	0.30	0.21	0.26	0.17	0.21	0.15	0.19
80	0.72	0.90	0.45	0.57	0.32	0.40	0.27	0.33	0.23	0.29	0.19	0.24	0.17	0.21
100	0.80	1.00	0.51	0.64	0.36	0.45	0.30	0.37	0.26	0.32	0.21	0.27	0.19	0.23

$a_{e\,max}$	25		32		40		50		63		80		100	
DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
50	0.13	0.16	0.12	0.14	0.11	0.14	0.13	0.16	–	–	–	–	–	–
63	0.14	0.17	0.12	0.16	0.12	0.15	0.11	0.14	0.13	0.16	–	–	–	–
80	0.15	0.19	0.14	0.17	0.13	0.16	0.12	0.15	0.11	0.14	0.13	0.16	–	–
100	0.17	0.21	0.15	0.19	0.14	0.17	0.13	0.16	0.12	0.15	0.11	0.14	0.13	0.16

	ADMX 16-F	ADEX 16-FM	ADMX 16-M								ADMX 16-R	
RE	0.8	0.8	0.4	0.8	1.6	2.0	3.0	3.2	4.0	5.0	0.8	1.6
BS	2.99	2.18	3.39	2.99	1.62	1.23	0.28	0.09	2.69	1.52	2.99	1.62

	ADMX 16-MF	ADMX 16-MM			ADEX 16-FA			
RE	0.8	0.4	0.8	1.6	0.4	0.8	1.6	3.0
BS	2.99	3.39	2.99	1.62	2.84	2.44	1.65	0.69

ISO	DC		APMX	a_p
50J3R100H50-SAD16E54-C	50	3	54	50.5
50J3R140H50-SAD16E80-C	50	3	80	76.5
63J3R140H50-SAD16E68-C	63	3	68	64.5
63J3R155H50-SAD16E95-C	63	3	95	91.5
80J4R165H50-SAD16E108-C	80	4	108	104.5
50J3R140G50-SAD16E80-C	50	3	80	76.5
63J3R155G50-SAD16E95-C	63	3	95	91.5
80J4R165G50-SAD16E108-C	80	4	108	104.5
50J3R140X50-SAD16E68-C	50	3	68	64.5
63J3R155X50-SAD16E80-C	63	3	80	76.5
80J4R165X50-SAD16E95-C	80	4	95	91.5
50T03R-S90AD16E40-C	50	3	40	36.5
63T04R-S90AD16E40-C	63	4	40	36.5
63T04R-S90AD16E68-C	63	4	68	64.5
80T04R-S90AD16E55-C	80	4	55	51.5
80T04R-S90AD16E80-C	80	4	80	76.5
100T05R-S90AD16E80-C	100	5	80	76.5

max
7.5

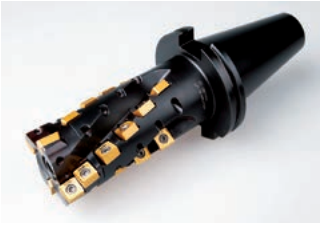
ADMX/ADEX 16	R
ADMX 160630SR-M	2.5
ADMX 160632SR-M	2.5
ADMX 160640SR-M	4.0
ADMX 160650SR-M	4.5

J(T)-SLSN

P K

PRAMET

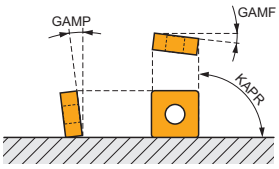
S

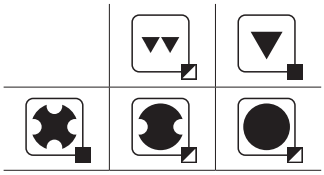


粗加工SN长刃铣刀，适用于重载铣削，带内冷

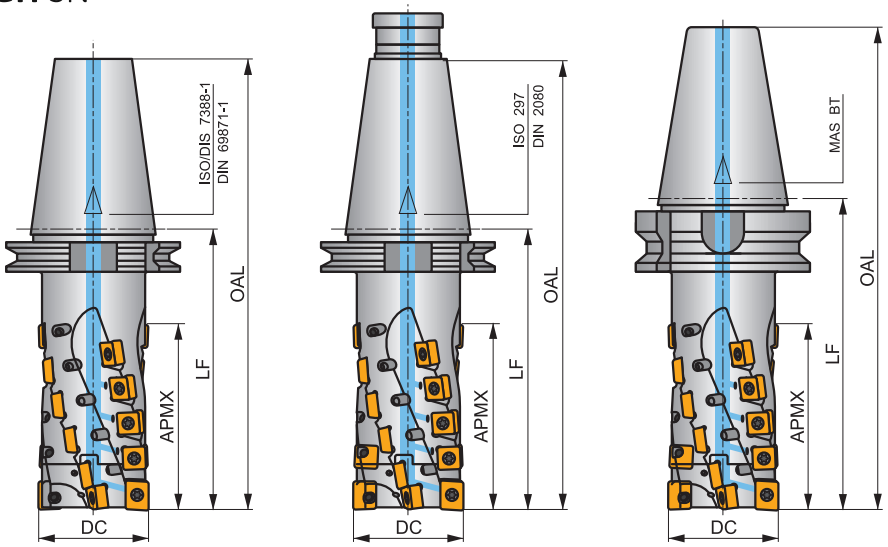
90°长刃方肩铣刀，使用LNET 16和SN.. 13刀片，具有APMX(最大切深)104至134 mm。刀体末端可更换。适用于方肩铣，铣槽，面铣和插铣。可提供DIN69871，BT和DIN208050刀柄类型，尺寸范围从Ø 63和Ø 80 mm。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	104.0 – 134.0 mm





ROUGH SN



h_m 0.08 – 0.22

	产品型号	DC (mm)	OAL (mm)	APMX (mm)	LF (mm)	GAMF (°)	GAMP (°)	CZCMS	NOF	LN	SN		max.		kg		
ISO/DIS 7388-1	**63J2R155H50-SLSN104-C**	63	257	104.00	155	-9	-10	50	4	2	20	–	8500	✓	5.03	GI209	SQ934
	80J2R190H50-SLSN134-C	80	292	134.00	190	-9	-10	50	4	2	26	–	7500	✓	7.45	GI209	SQ935
ISO 297	**63J2R155G50-SLSN104-C**	63	282	104.00	155	-9	-10	50	4	2	20	–	8500	✓	5.20	GI209	SQ934
	80J2R190G50-SLSN134-C	80	317	134.00	190	-9	-10	50	4	2	26	–	7500	✓	7.40	GI209	SQ935
JIS B 6339	**63J2R175X50-SLSN104-C**	63	277	104.00	175	-9	-10	50	4	2	20	–	8500	✓	6.10	GI209	SQ934
	80J2R210X50-SLSN134-C	80	312	134.00	210	-9	-10	50	4	2	26	–	7500	✓	8.50	GI209	SQ935

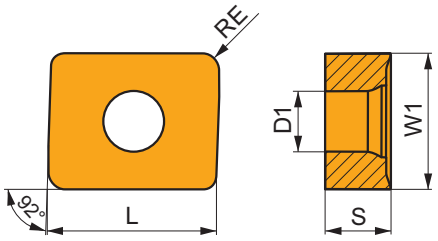
GI209	LNET 1606..	SN.. 1305..

					Nm			
SQ934	EH6326-SL-C	HS 1230	HXK 10	US 45012-T20P	5.0	M 5	12	SDR T20P-T
SQ935	EH8036-SL-C	HS 1640	HXK 14	US 45012-T20P	5.0	M 5	12	SDR T20P-T

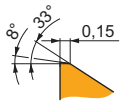
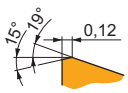
LNET 16

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1606	13.200	5.90	16.40	6.38



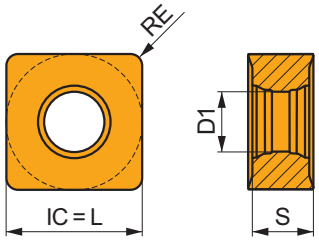
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc	M f	M ap	K vc	K f	K ap	N vc	N f	N ap	S vc	S f	S ap	H vc	H f	H ap
																				
			M槽型，具有大正前角设计，适用于中等加工。																	
LNET 160616SR-M	**M8330**	1.6	110	0.15	15.0	–	–	–	100	0.15	15.0	–	–	–	–	–	–	–	–	–
	M8340	1.6	105	0.15	15.0	–	–	–	95	0.15	15.0	–	–	–	–	–	–	–	–	–
																				
			R槽型，具有大正前角设计，适用于中等加工。																	
LNET 160616SR-R	**M8330**	1.6	100	0.15	15.0	–	–	–	95	0.15	15.0	–	–	–	–	–	–	–	–	–
	M8340	1.6	95	0.15	15.0	–	–	–	90	0.15	15.0	–	–	–	–	–	–	–	–	–

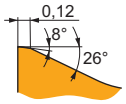
SNGX 13

PRAMET

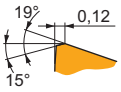
	IC (mm)	D1 (mm)	S (mm)
1305	13.200	5.90	5.96



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc	M f	M ap	K vc	K f	K ap	N vc	N f	N ap	S vc	S f	S ap	H vc	H f	H ap
																				
			M槽型，具有正前角设计，适用于轻载加工。																	
SNGX 130512SN-M	**M8330**	1.2	105	0.15	12.0	–	–	–	95	0.15	12.0	–	–	–	–	–	–	–	–	–
	M8340	1.2	105	0.15	12.0	–	–	–	95	0.15	12.0	–	–	–	–	–	–	–	–	–

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

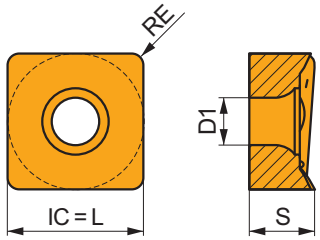
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
SNGX 130512PN-R	**M8330**	1.2	■ 95	0.15	12.0	–	–	–	■ 90	0.15	12.0	–	–	–	–	–	–	–	–	–
	M8340	1.2	■ 95	0.15	12.0	–	–	–	◪ 90	0.15	12.0	–	–	–	–	–	–	–	–	–

R槽型，具有正前角设计，适用于粗加工和不稳定的工况。

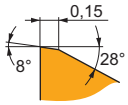
SNET 13

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1305	13.200	5.90	13.20	6.33



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
SNET 130512SR-M	**M8330**	1.2	■ 105	0.15	12.0	–	–	–	◪ 95	0.15	12.0	–	–	–	–	–	–	–	–	–
	M8340	1.2	■ 105	0.15	12.0	–	–	–	◪ 95	0.15	12.0	–	–	–	–	–	–	–	–	–

M槽型，具有前角设计，适用于轻载到中等加工。

a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00

$a_{e\,max}$	1		2.5		5		7.5		10		15		20	
DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
63	0.64	1.75	0.40	1.11	0.29	0.79	0.24	0.65	0.21	0.57	0.17	0.47	0.15	0.41
80	0.72	1.97	0.45	1.25	0.32	0.89	0.27	0.73	0.23	0.64	0.19	0.53	0.17	0.46

$a_{e\,max}$	25		32		40		50		63		80	
DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
63	0.14	0.38	0.12	0.34	0.12	0.32	0.11	0.30	0.13	0.35	–	–
80	0.15	0.42	0.14	0.38	0.13	0.35	0.12	0.32	0.11	0.30	0.13	0.35

	LNET 16-M	LNET 16-R	SNGX 13-M	SNGX 13-R	SNET 13-M
RE	1.6	1.6	1.2	1.2	1.2
BS	–	–	–	–	–

ISO	DC		APMX	a_p
63J2R155H50-SLSN104-C	63	2+2	104	101.2
80J2R190H50-SLSN134-C	80	2+2	134	131.2
63J2R155G50-SLSN104-C	63	2+2	104	101.2
80J2R190G50-SLSN134-C	80	2+2	134	131.2
63J2R175X50-SLSN104-C	63	2+2	104	101.2
80J2R210X50-SLSN134-C	80	2+2	134	131.2

J(T)-SSAP

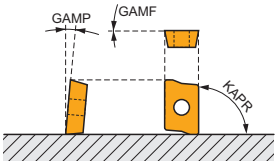
P M K S

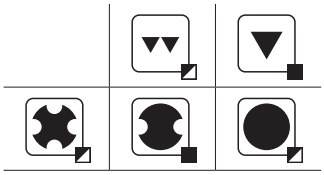
PRAMET S

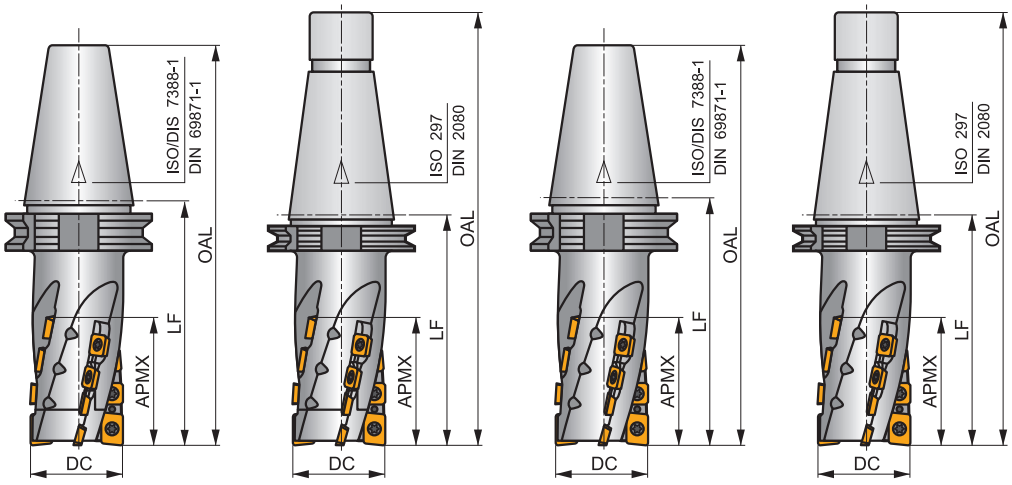
长刃立铣适用于中等铣削，AP.. 15和SP.. 12刀片

90°长刃方肩铣刀，使用AP.. 15和SP.. 12刀片，具有APMX(最大切深)58至95 mm。刀体末端可更换。适用于方肩铣，铣槽，面铣和插铣。可提供DIN69871和DIN208050刀柄类型，尺寸范围从Ø 50至Ø 80 mm。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	58.0 – 95.0 mm







h_m 0.07 – 0.1

	产品型号	DC (mm)	OAL (mm)	APMX (mm)	LF (mm)	GAMF (°)	GAMP (°)	CZCMS	NOF	AP	SP		max.		kg		
ISO/DIS 7388-1	50J4R110H50-SSAP37+21	50	212	58.00	110	0	7	50	4	2	12	–	9500	–	3.65	GI128	SQ942
	50J4R128H50-SSAP55+21	50	230	76.00	128	0	7	50	4	2	16	–	9500	–	3.80	GI128	SQ942
	63J4R150H50-SSAP74+21	63	252	95.00	150	0	7	50	4	2	20	–	8500	–	4.50	GI128	SQ943
ISO 297	50J4R106X50-SSAP37+21	50	233	58.00	106	0	7	50	4	2	12	–	9500	–	3.50	GI128	SQ942
	50J4R124X50-SSAP55+21	50	251	76.00	124	0	7	50	4	2	16	–	9500	–	4.43	GI128	SQ942
	63J4R146X50-SSAP74+21	63	273	95.00	146	0	7	50	4	2	20	–	8500	–	4.75	GI128	SQ943
ISO/DIS 7388-1	50J4R110H50-SSAP58-A	50	212	58.00	110	0	7	50	4	2	12	–	9500	–	3.50	GI128	SQ941
	50J4R128H50-SSAP76-A	50	230	76.00	128	0	7	50	4	2	16	–	9500	–	3.80	GI128	SQ941
	63J4R150H50-SSAP95-A	63	252	95.00	150	0	7	50	4	2	20	–	8500	–	4.50	GI128	SQ941
	80J6R155H50-SSAP95-A	80	257	95.00	155	0	7	50	6	3	30	–	7500	–	6.30	GI128	SQ941
ISO 297	50J4R106X50-SSAP58-A	50	233	58.00	106	0	7	50	4	2	12	–	9500	–	3.70	GI128	SQ941
	50J4R124X50-SSAP76-A	50	251	76.00	124	0	7	50	4	2	16	–	9500	–	3.80	GI128	SQ941
	63J4R146X50-SSAP95-A	63	273	95.00	146	0	7	50	4	2	20	–	8500	–	4.50	GI128	SQ941
	80J6R151X50-SSAP95-A	80	275	95.00	151	0	7	50	6	3	30	–	7500	–	6.20	GI128	SQ941

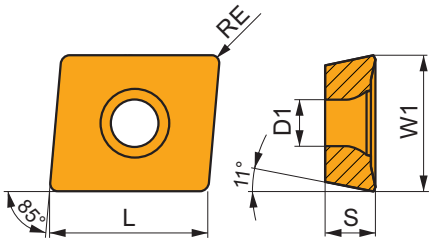
GI128	APE. 1504..	SPE. 1204..

					Nm			
SQ941	–	–	–	US 4511-T20	5.0	M 4.5	11	SDR T20-T
SQ942	P50X21	SR 25	HXK 6	US 4511-T20	5.0	M 4.5	11	SDR T20-T
SQ943	P63X21	SR 26	HXK 8	US 4511-T20	5.0	M 4.5	11	SDR T20-T

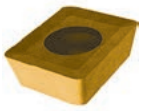
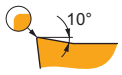
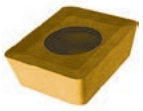
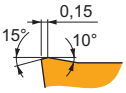
APET 15

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1504	12.700	5.50	15.90	4.76



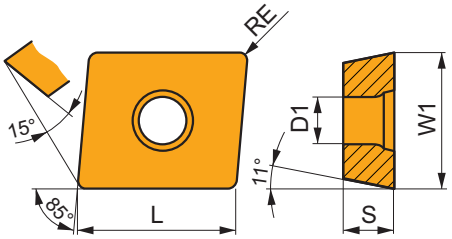
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			E																	
			EN刃口制备，正前角槽型，适用于轻载到中等加工。																	
APET 150412EN	**M8330**	1.2	225	0.20	12.0	135	0.18	12.0	210	0.20	12.0	–	–	–	55	0.14	9.6	–	–	–
			S																	
			SN刃口制备，正前角槽型，适用于中等到重载加工。																	
APET 150412SN	**M8330**	1.2	215	0.25	12.0	125	0.23	12.0	200	0.25	12.0	–	–	–	50	0.25	9.6	–	–	–
	M8340	1.2	190	0.25	12.0	110	0.23	12.0	180	0.25	12.0	–	–	–	45	0.25	9.6	–	–	–

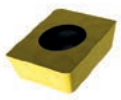
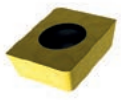
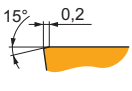
APEW 15

PRAMET

	W1	D1	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1504	12.700	5.50	15.90	4	4.76



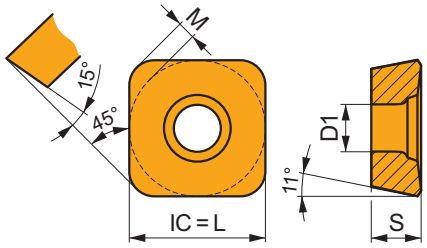
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			E																	
			ER刃口制备，平板槽型，适用于轻载到中等加工。																	
APEW 150412ER	**M8330**	1.2	200	0.20	12.0	–	–	–	190	0.20	12.0	–	–	–	–	–	–	40	0.15	1.0
			S																	
			SR刃口制备，平板槽型，适用于中等到重载加工。																	
APEW 150412SR	**M8330**	1.2	200	0.20	12.0	–	–	–	190	0.20	12.0	–	–	–	–	–	–	40	0.15	1.0
	M8340	1.2	180	0.20	12.0	–	–	–	170	0.20	12.0	–	–	–	–	–	–	–	–	–

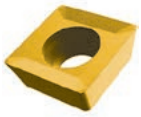
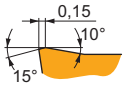
SPET 12

PRAMET

	IC	D1	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1204	12.700	5.50	12.70	2	4.76



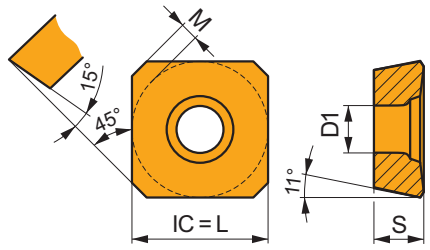
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			S																	
			S刃口制备，正前角通用槽型。																	
SPET 120408S	**M8330**	0.8	215	0.20	12.0	125	0.18	12.0	200	0.20	12.0	–	–	–	50	0.18	9.6	–	–	–
	M8340	0.8	190	0.20	12.0	110	0.18	12.0	180	0.20	12.0	–	–	–	45	0.18	9.6	–	–	–

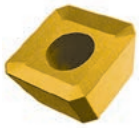
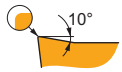
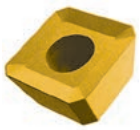
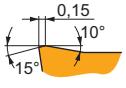
SPET 12 AD

PRAMET

	IC	D1	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1204	12.700	5.50	12.70	2	4.76

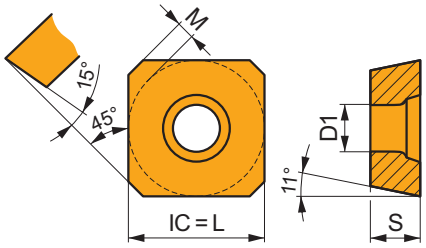


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

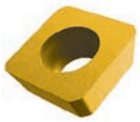
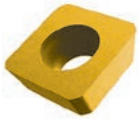
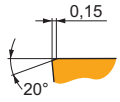
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			E																	
			ADEN刃口制备，正前角槽型，适用于轻载到中等加工。																	
SPET 1204ADEN	**M8330**	–	245	0.20	12.0	145	0.18	12.0	230	0.20	12.0	–	–	–	60	0.14	9.6	–	–	–
	M8340	–	220	0.20	12.0	130	0.18	12.0	205	0.20	12.0	–	–	–	55	0.14	9.6	–	–	–
			S																	
			ADSN刃口制备，正前角槽型，适用于中等加工。																	
SPET 1204ADSN	**M8330**	–	245	0.20	12.0	145	0.18	12.0	230	0.20	12.0	–	–	–	60	0.14	9.6	–	–	–
	M8340	–	220	0.20	12.0	130	0.18	12.0	205	0.20	12.0	–	–	–	55	0.14	9.6	–	–	–

SPEW 12 AD

	IC	D1	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1204	12.700	5.50	12.70	2	4.76



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			E																	
	ADEN刃口制备，平板槽型，适用于轻载到中等加工。																			
SPEW 1204ADEN	**M8330**	–	220	0.20	12.0	–	–	–	205	0.20	12.0	–	–	–	–	–	–	40	0.15	1.0
	M8340	–	200	0.20	12.0	–	–	–	190	0.20	12.0	–	–	–	–	–	–	–	–	–
			S																	
	ADSN刃口制备，平板槽型，适用于中等加工。																			
SPEW 1204ADSN	**M8330**	–	220	0.20	12.0	–	–	–	205	0.20	12.0	–	–	–	–	–	–	40	0.15	1.0
	M8340	–	200	0.20	12.0	–	–	–	190	0.20	12.0	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	0.89	0.81	0.76	0.73	0.71	0.70	0.67	0.65	0.63	0.62	0.60	0.60	0.60	0.45

$a_{e\,max}$	1		2.5		5		7.5		10		15		20	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
50	0.50	0.71	0.32	0.45	0.23	0.32	0.19	0.27	0.16	0.23	0.14	0.19	0.12	0.17
63	0.56	0.80	0.35	0.51	0.25	0.36	0.21	0.30	0.18	0.26	0.15	0.21	0.13	0.19
80	0.63	0.90	0.40	0.57	0.28	0.40	0.23	0.33	0.20	0.29	0.17	0.24	0.15	0.21

$a_{e\,max}$	25		32		40		50		63		80	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
50	0.11	0.16	0.10	0.14	0.10	0.14	0.11	0.16	–	–	–	–
63	0.12	0.17	0.11	0.16	0.10	0.15	0.10	0.14	0.11	0.16	–	–
80	0.13	0.19	0.12	0.17	0.11	0.16	0.10	0.15	0.10	0.14	0.11	0.16

	APET 15	APEW 15	SPET 12	SPET 12AD	SPEW 12AD
RE	1.2	1.2	0.8	–	–
BS	–	–	–	–	–

ISO	DC		APMX	a_p
50J4R110H50-SSAP37+21	50	2+2	58	55.6
50J4R128H50-SSAP55+21	50	2+2	76	73.6
63J4R150H50-SSAP74+21	63	2+2	95	92.6
50J4R106X50-SSAP37+21	50	2+2	58	55.6
50J4R124X50-SSAP55+21	50	2+2	76	73.6
63J4R146X50-SSAP74+21	63	2+2	95	92.6
50J4R110H50-SSAP58-A	50	2+2	58	55.6
50J4R128H50-SSAP76-A	50	2+2	76	73.6
63J4R150H50-SSAP95-A	63	2+2	95	92.6
80J6R155H50-SSAP95-A	80	3+3	95	92.6
50J4R106X50-SSAP58-A	50	2+2	58	55.6
50J4R124X50-SSAP76-A	50	2+2	76	73.6
63J4R146X50-SSAP95-A	63	2+2	95	92.6
80J6R151X50-SSAP95-A	80	3+3	95	92.6

J(T)-2416

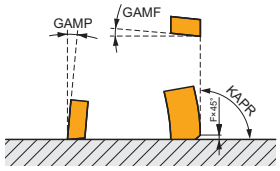
P M K N

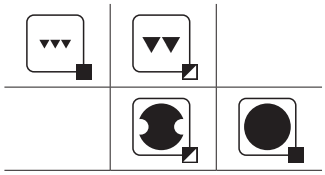
PRAMET

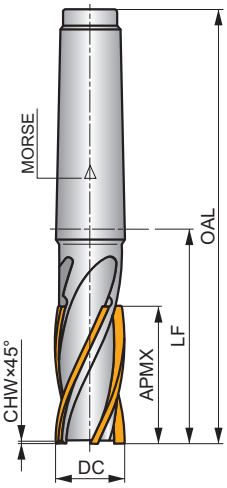
长刃铣刀，钎焊螺旋形硬质合金镶片

90°长刃铣刀，具有钎焊螺旋形硬质合金镶片和APMX(最大切深)40至63 mm。适用于方肩铣，铣槽和面铣。可提供莫氏锥柄4号和6号，尺寸范围从Ø 20至Ø 40 mm。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	40.0 – 63.0 mm



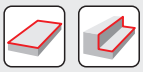




h_m 0.02 – 0.04

	产品型号	DC (mm)	OAL (mm)	APMX (mm)	LF (mm)	CHW (mm)	CZCMS	NOF		max.		kg		
DIN 228A	**2416 – 20R-E3-P**	20	146	40.00	65	0.5	3	4	–	–	–	0.37	–	–
	2416 – 25R-E3-P	25	160	50.00	79	0.5	3	4	–	–	–	0.40	–	–
	2416 – 32R-E4-P	32	180	50.00	78	0.5	4	4	–	–	–	0.80	–	–
	2416 – 40R-E4-P	40	200	63.00	98	0.8	4	6	–	–	–	1.19	–	–

ISO		f_{min}	f_{max}	P30
P	●	0.03	0.08	149
	⬣	0.03	0.07	133
	✖	0.03	0.06	115
M	●	0.03	0.08	88
	⬣	0.03	0.07	79
	✖	0.03	0.06	70
K	●	0.03	0.08	142
	⬣	0.03	0.07	126
	✖	0.03	0.06	110
N	●	0.03	0.08	374
	⬣	0.03	0.07	333
	✖	0.03	0.06	290



a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

ISO	DC		APMX	a_p
2416-20R-E3-P	20	4	40	40
2416-25R-E3-P	25	4	50	50
2416-32R-E4-P	32	4	50	50
2416-40R-E4-P	40	6	63	63

$a_{e\,max}$	0.5		1		2		3		4		5		8	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
20	0.14	0.25	0.10	0.18	0.07	0.13	0.06	0.11	0.05	0.09	0.05	0.08	0.04	0.07
25	0.16	0.28	0.11	0.20	0.08	0.14	0.07	0.12	0.06	0.10	0.05	0.09	0.04	0.08
32	0.18	0.32	0.13	0.23	0.09	0.16	0.07	0.13	0.07	0.12	0.06	0.10	0.05	0.08
40	0.20	0.36	0.14	0.25	0.10	0.18	0.08	0.15	0.07	0.13	0.07	0.12	0.05	0.09

$a_{e\,max}$	10		12		16		20		25		32		40	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
20	0.04	0.06	0.03	0.06	0.03	0.06	0.04	0.06	–	–	–	–	–	–
25	0.04	0.07	0.04	0.06	0.03	0.06	0.03	0.06	0.04	0.06	–	–	–	–
32	0.04	0.08	0.04	0.07	0.04	0.06	0.03	0.06	0.03	0.06	0.04	0.06	–	–
40	0.05	0.08	0.04	0.08	0.04	0.07	0.04	0.06	0.03	0.06	0.03	0.06	0.04	0.06

J(T)-CSD12X

P M S

PRAMET

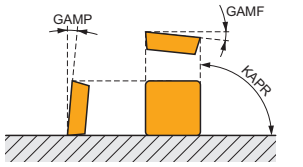
C

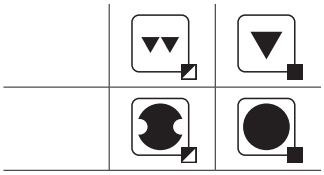
MULTISIDE SD长刃铣刀

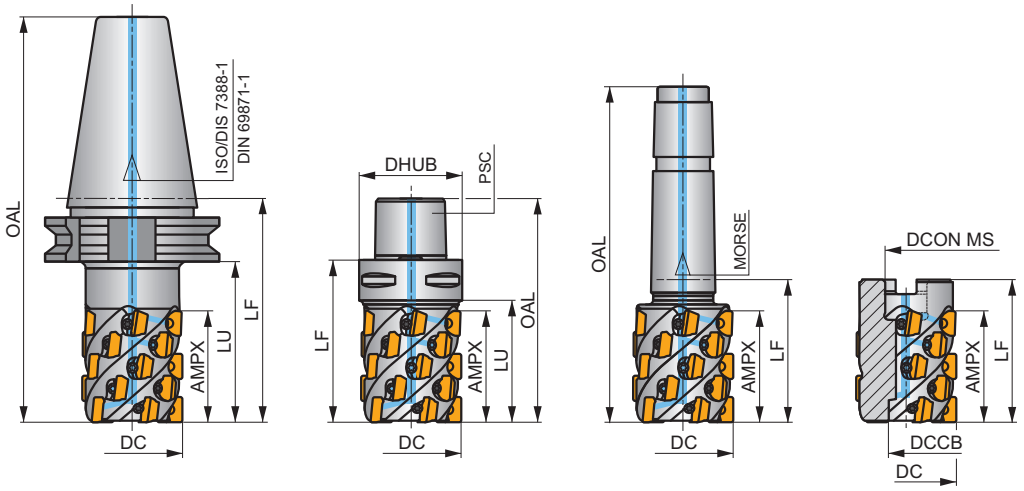
90°长刃方肩铣刀，使用正前角SD..　　12刀片，具有APMX(最大切深)44。1至87。3 mm。适用于方肩铣，铣槽或面铣。可提供芯轴式，PSC，M或se或DIN69871刀柄类型，尺寸范围从Ø 40至Ø 80 mm。刀体经过处理，使用寿命更长。

MULTISIDE SD

KAPR	90°
APMX	44.1 – 87.3 mm







h_m	0.025 – 0.05
h_m	0.025 – 0.05

产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	APMX (mm)	GAMF (°)	GAMP (°)	CZC MS	NOF	max.	kg			
40J4R090H40-CSD12X44	40	158.4	–	–	70	90	44.10	-5	8	40	4	16	–	4000	✓	1.16	GI271	SQ091
50J5R100H50-CSD12X55	50	201.7	–	–	80	100	54.90	-5	8	50	5	25	–	3200	✓	4.20	GI271	SQ091
63J6R110H50-CSD12X66	63	211.7	–	–	90	110	65.70	-5	8	50	6	36	–	2500	✓	4.90	GI271	SQ091
40J4R080XC5-CSD12X44	40	110	–	–	59	80	44.10	-5	8	C5	4	16	–	4000	✓	1.06	GI271	SQ091
50J5R080XC5-CSD12X55	50	110	–	–	59	80	54.90	-5	8	C5	5	25	–	3200	✓	1.24	GI271	SQ091
50J5R065E04-CSD12X55	50	167.5	–	–	–	65	54.90	-5	8	4	5	25	–	3200	✓	1.34	GI271	SQ091
50T05R-C90SD12X55	50	–	22	18	–	78	54.90	-5	8	–	5	25	–	3200	✓	0.95	GI271	SQ923
63T06R-C90SD12X66	63	–	27	22	–	90	65.70	-5	8	–	6	36	–	2500	✓	1.72	GI271	SQ924
80T08R-C90SD12X88	80	–	40	36	–	115	87.30	-5	8	–	8	64	–	2000	✓	3.20	GI271	SQ925

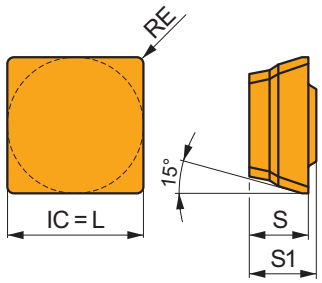
GI271	SDGX 1205..	SDMX 1205..

		Nm					
SQ091	US 63511D-T15P	3.0	M 3.5	11	D-T08P/T15P	FG-15	–
SQ923	US 63511D-T15P	3.0	M 3.5	11	D-T08P/T15P	FG-15	HSD 1070
SQ924	US 63511D-T15P	3.0	M 3.5	11	D-T08P/T15P	FG-15	HS 1280
SQ925	US 63511D-T15P	3.0	M 3.5	11	D-T08P/T15P	FG-15	HS 20100

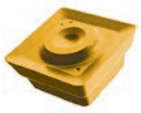
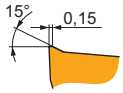
SDGX 12

PRAMET

	IC	L	S	S1
	(mm)	(mm)	(mm)	(mm)
1205	12.700	12.70	5.56	6.35



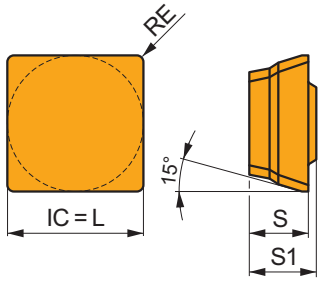
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			FM槽型，具有正前角设计，适用于轻载到中等重载加工。																	
SDGX 120508EN-FM	M8330	0.8	220	0.15	12.0	130	0.14	12.0	–	–	–	–	–	–	55	0.11	9.6	–	–	–
	M8345	0.8	155	0.15	12.0	90	0.14	12.0	–	–	–	–	–	–	35	0.11	9.6	–	–	–

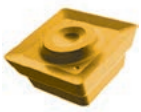
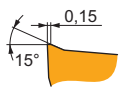
SDMX 12

PRAMET

	IC	L	S	S1
	(mm)	(mm)	(mm)	(mm)
1205	12.700	12.70	5.56	6.35



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

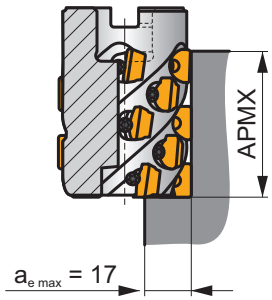
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			M槽型，具有正前角设计，适用于轻载到重载加工。																	
SDMX 120508EN-M	M8330	0.8	220	0.15	12.0	130	0.14	12.0	–	–	–	–	–	–	55	0.11	9.6	–	–	–
	M8345	0.8	155	0.15	12.0	90	0.14	12.0	–	–	–	–	–	–	35	0.11	9.6	–	–	–

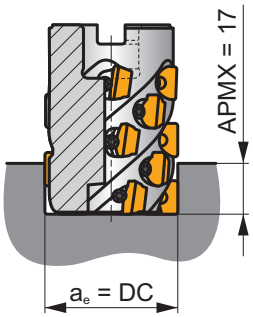
a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	0.89	0.81	0.76	0.73	0.71	0.70	0.66	0.65	0.63	0.62	0.60	0.60	0.60	0.45

$a_{e\,max}$ / DC	1		2.5		5		7.5		10		15		20	
	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
40	0.16	0.32	0.10	0.20	0.07	0.14	0.06	0.12	0.05	0.10	0.04	0.09	0.04	0.08
50	0.18	0.35	0.11	0.23	0.08	0.16	0.07	0.13	0.06	0.12	0.05	0.10	0.04	0.09
63	0.20	0.40	0.13	0.25	0.09	0.18	0.07	0.15	0.06	0.13	0.05	0.11	0.05	0.09
80	0.22	0.45	0.14	0.28	0.10	0.20	0.08	0.17	0.07	0.14	0.06	0.12	0.05	0.10

$a_{e\,max}$ / DC	25		32		40		50		63		80	
	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
40	0.04	0.07	0.03	0.07	0.04	0.08	–	–	–	–	–	–
50	0.04	0.08	0.04	0.07	0.03	0.07	0.04	0.08	–	–	–	–
63	0.04	0.09	0.04	0.08	0.04	0.07	0.03	0.07	0.04	0.08	–	–
80	0.05	0.09	0.04	0.09	0.04	0.08	0.04	0.07	0.03	0.07	0.04	0.08

	SDGX 12-FM	SDMX 12-M
RE	0.8	0.8
BS	2.99	2.99

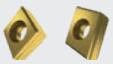




ISO	DC		APMX	a_p
40J4R090H40-CSD12X44	40	4	44.1	42.5
50J5R100H50-CSD12X55	50	5	54.9	53.3
63J6R110H50-CSD12X66	63	6	65.7	64.1
80J8R130H50-CSD12X88	80	8	87.3	85.7
40J4R080XC5-CSD12X44	40	4	44.1	42.5
50J5R080XC5-CSD12X55	50	5	54.9	53.3
63J6R095XC6-CSD12X66	63	6	65.7	64.1
50J5R065E04-CSD12X55	50	5	54.9	53.3
50T05R-C90SD12X55	50	5	54.9	53.3
63T06R-C90SD12X66	63	6	65.7	64.1
80T08R-C90SD12X88	80	8	87.3	85.7

槽铣

槽铣

	S90SN	S90CN(XN)			
	90°	90°			
	APMX (mm) 4.0 – 14.0	APMX (mm) 14.0 – 30.5			
	DC (mm) 80 – 200	DC (mm) 125 – 315			
盘式	DC = 80 – 200 (mm)	DC = 125 – 315 (mm)			
套式铣刀	DC = 63 – 160 (mm)	DC = 125 – 200 (mm)			
页码	510	516			
ISO	P M K	P M K			
刀片形状					
刀片	SNHQ 11 SNHQ 12	CNHQ 1005 XNHQ 1205 XNHQ 1606			
切削刃数量	4	2			
深槽铣	■	■			
深方肩铣	◪	◪			
平面铣	◪	◪			
背面铣削	◪	◪			

■ 推荐使用　◪ 可以使用

S90SN

P M K

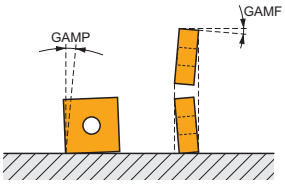
PRAMET

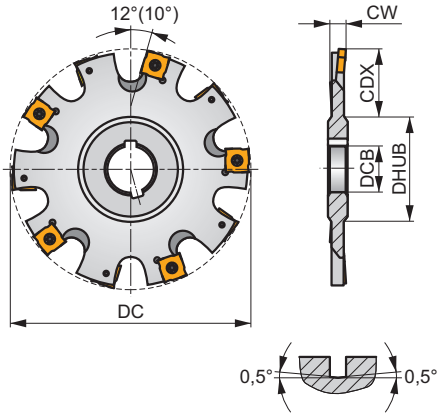
S

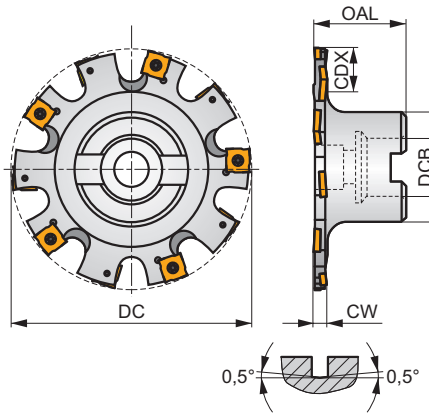
三面刃铣刀盘

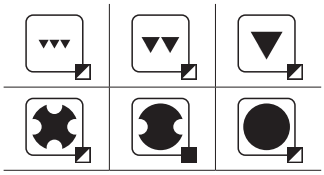
90˚三面刃铣刀盘，使用SNHQ　11，12刀片，具有APMX(铣槽深度)从10，5至62 mm。适用于方肩铣，铣槽，背部和面铣。可提供芯轴式或短型芯轴式类型，尺寸范围Ø 63至Ø 200 mm。刀体经过处理，使用寿命更长。

KAPR	90°
CW	4.0 – 14.0 mm









h_m 0.07 – 0.09

h_m 0.07 – 0.09

	产品型号	DC (mm)	OAL (mm)	DCB (mm)	DHUB (mm)	CDX (mm)	CW (mm)	X 1	GAMF (°)	GAMP (°)			max.		kg			
	80F8N-S90SN11N4	80	–	27	42	16	4.00	–	2.5	-0.5	8	–	12300	–	0.23	GI151	DI011	–
	80F8N-S90SN11N5	80	–	27	42	16	5.00	–	2.5	-0.5	8	–	12300	–	0.22	GI152	DI019	–
	80F8N-S90SN12N6	80	–	27	42	16	6.00	–	2.5	-0.5	8	–	8400	–	0.25	GI153	DI012	–
	80F8N-S90SN12N8	80	–	27	42	16	8.00	–	2.5	-0.5	8	–	8400	–	0.28	GI157	DI013	–
	100G10N-S90SN12N6	100	–	32	48	24	6.00	–	2.5	-0.5	10	–	7500	–	0.43	GI153	DI012	–
	100G10N-S90SN12N8	100	–	32	48	24	8.00	–	2.5	-0.5	10	–	7500	–	0.42	GI157	DI013	–
	100G10N-S90SN12N10	100	–	32	48	24	10.00	–	2.5	-0.5	10	–	7500	–	0.46	GI154	DI014	–
	100G10N-S90SN12N12	100	–	32	48	24	12.00	–	2.5	-0.5	10	–	7500	–	0.66	GI158	DI015	–
	125H12N-S90SN12N6	125	–	40	58	31	6.00	–	2.5	-0.5	12	–	6700	–	0.62	GI153	DI012	–
	125H12N-S90SN12N8	125	–	40	58	31	8.00	–	2.5	-0.5	12	–	6700	–	0.73	GI157	DI013	–
ISO 6462 DIN 8030	**125H12N-S90SN12N10**	125	–	40	58	31	10.00	–	2.5	-0.5	12	–	6700	–	0.66	GI154	DI014	–
	125H12N-S90SN12N12	125	–	40	58	31	12.00	–	2.5	-0.5	12	–	6700	–	0.76	GI158	DI015	–
	160H16N-S90SN12N6	160	–	40	58	43	6.00	–	2.5	-0.5	16	–	5900	–	0.86	GI153	DI012	–
	160H16N-S90SN12N8	160	–	40	58	43	8.00	–	2.5	-0.5	16	–	5900	–	1.10	GI157	DI013	–
	160H16N-S90SN12N10	160	–	40	58	43	10.00	–	2.5	-0.5	16	–	5900	–	1.14	GI154	DI014	–
	160H16N-S90SN12N12	160	–	40	58	43	12.00	–	2.5	-0.5	16	–	5900	–	1.30	GI158	DI015	–
	160H15N-S90SN12N14	160	–	40	58	43	14.00	–	2.5	-0.5	15	–	5900	–	1.40	GI158	DI015	–
	200J18N-S90SN12N6	200	–	50	72	62	6.00	–	2.5	-0.5	18	–	5300	–	1.40	GI153	DI012	–
	200J18N-S90SN12N8	200	–	50	72	62	8.00	–	2.5	-0.5	18	–	5300	–	1.78	GI157	DI013	–
	200J18N-S90SN12N10	200	–	50	72	62	10.00	–	2.5	-0.5	18	–	5300	–	1.89	GI154	DI014	–
	200J18N-S90SN12N12	200	–	50	72	62	12.00	–	2.5	-0.5	18	–	5300	–	2.23	GI158	DI015	–
	200J18N-S90SN12N14	200	–	50	72	62	14.00	–	2.5	-0.5	18	–	5300	–	2.67	GI158	DI015	–
	63A03R-S90SN11N4	63	40	16	34	10.5	4.00	3	2.5	-0.5	6	–	13900	–	0.39	GI151	DI021	–
	63A03R-S90SN11N5	63	40	16	34	10.5	5.00	3	2.5	-0.5	6	–	13900	–	0.36	GI152	DI021	–
ISO 6462 DIN 8030	**63A03R-S90SN12N6**	63	40	16	34	10.5	6.00	3	2.5	-0.5	6	–	9500	–	0.37	GI153	DI022	–
	80A04R-S90SN11N5	80	40	22	40	17.5	5.00	4	2.5	-0.5	8	–	12300	–	0.48	GI152	DI023	–
	80A04R-S90SN12N6	80	40	22	40	17.5	6.00	4	2.5	-0.5	8	–	8400	–	0.50	GI153	DI024	–

	产品型号	DC (mm)	OAL (mm)	DCB (mm)	DHUB (mm)	CDX (mm)	CW (mm)		GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**100A05R-S90SN12N6**	100	50	27	48	23.5	6.00	5	2.5	-0.5	10	–	7500	–	0.86	GI153	DI025	–
	125B06R-S90SN12N6	125	50	40	56	24	6.00	6	2.5	-0.5	12	–	6700	–	1.20	GI153	DI012	AC003
	160B08R-S90SN12N10	160	50	40	70	41	10.00	8	2.5	-0.5	16	–	5900	–	2.03	GI154	DI014	–

GI151	SNHQ 1102..
GI152	SNHQ 1103..
GI153	SNHQ 1203..
GI154	SNHQ 1205..
GI157	SNHQ 1204..
GI158	SNHQ 1207

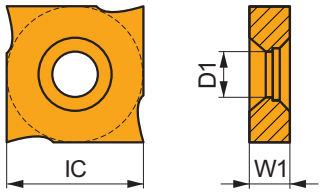
		Nm					
DI011	US 3504-T09P	3.0	M 3.5	4	D-T07P/T09P	FG-15	–
DI012	US 70	5.0	M 4	5	D-T07/T15	FG-15	–
DI013	US 71	5.0	M 4	7	D-T07/T15	FG-15	–
DI014	US 72	5.0	M 4	9	D-T07/T15	FG-15	–
DI015	US 73	5.0	M 4	11	D-T07/T15	FG-15	–
DI019	US 3505-T09P	3.0	M 3.5	5	D-T07P/T09P	FG-15	HS 0830
DI021	US 3504-T09P	3.0	M 3.5	4	D-T07P/T09P	FG-15	HS 0830
DI022	US 70	5.0	M 4	5	D-T07/T15	FG-15	HS 0830
DI023	US 3505-T09P	3.0	M 3.5	5	D-T07P/T09P	FG-15	HS 1030
DI024	US 70	5.0	M 4	5	D-T07/T15	FG-15	HS 1030
DI025	US 70	5.0	M 4	5	D-T07/T15	FG-15	HS 1230

AC003	KS 2040	K.FMH40

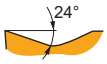
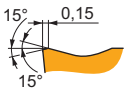
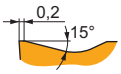
SNHQ AZ

PRAMET

	IC (mm)	D1 (mm)	W1 (mm)
1102	11.000	4.30	2.300
1103	11.000	4.30	2.700
1203	12.700	5.00	3.200
1204	12.700	5.00	4.500
1205	12.700	5.00	5.400
1207	12.700	5.00	7.000

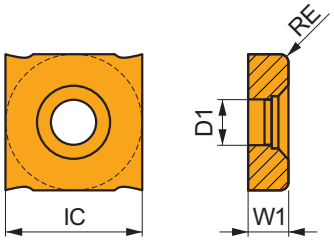


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			U E																	
EN槽型，具有特殊的设计，适用于铣槽。																				
SNHQ 1203AZEN	**8215**	–	415	0.10	–	245	0.10	–	390	0.10	–	–	–	–	–	–	–	–	–	–
	M8340	–	370	0.10	–	220	0.10	–	350	0.10	–	–	–	–	–	–	–	–	–	–
SNHQ 1204AZEN	**8215**	–	405	0.10	–	240	0.10	–	380	0.10	–	–	–	–	–	–	–	–	–	–
	M8340	–	355	0.10	–	210	0.10	–	335	0.10	–	–	–	–	–	–	–	–	–	–
SNHQ 1205AZEN	**8215**	–	390	0.10	–	230	0.10	–	370	0.10	–	–	–	–	–	–	–	–	–	–
	M8340	–	345	0.10	–	205	0.10	–	325	0.10	–	–	–	–	–	–	–	–	–	–
SNHQ 1207AZEN	**8215**	–	380	0.10	–	225	0.10	–	360	0.10	–	–	–	–	–	–	–	–	–	–
	M8340	–	335	0.10	–	200	0.10	–	315	0.10	–	–	–	–	–	–	–	–	–	–
			U T																	
TN槽型，具有特殊的设计，适用于铣槽。																				
SNHQ 1102AZTN	**M8330**	–	365	0.20	–	215	0.18	–	345	0.20	–	–	–	–	–	–	–	–	–	–
	M8340	–	335	0.20	–	200	0.18	–	315	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 1103AZTN	**M8330**	–	345	0.20	–	205	0.18	–	325	0.20	–	–	–	–	–	–	–	–	–	–
	M8340	–	315	0.20	–	185	0.18	–	295	0.20	–	–	–	–	–	–	–	–	–	–
			U T																	
TN槽型，具有特殊的设计，适用于铣槽。																				
SNHQ 1203AZTN	**M8330**	–	345	0.20	–	205	0.18	–	325	0.20	–	–	–	–	–	–	–	–	–	–
	M8340	–	315	0.20	–	185	0.18	–	295	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 1204AZTN	**M8330**	–	335	0.20	–	200	0.20	–	315	0.20	–	–	–	–	–	–	–	–	–	–
	M8340	–	300	0.20	–	180	0.20	–	285	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 1205AZTN	**M8330**	–	330	0.20	–	195	0.20	–	310	0.20	–	–	–	–	–	–	–	–	–	–
	M8340	–	295	0.20	–	175	0.20	–	280	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 1207AZTN	**M8330**	–	320	0.20	–	190	0.20	–	300	0.20	–	–	–	–	–	–	–	–	–	–
	M8340	–	290	0.20	–	170	0.20	–	275	0.20	–	–	–	–	–	–	–	–	–	–

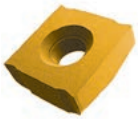
SNHQ TRL

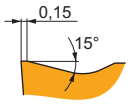
	IC	D1	L	W1
	(mm)	(mm)	(mm)	(mm)
1203	12.700	5.00	12.70	3.200
1204	12.700	5.00	12.70	4.500
1205	12.700	5.00	12.70	5.400
1207	12.700	5.00	12.70	7.000



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
SNHQ 120305TRL	M8340	0.5	230	0.20	–	135	0.18	–	215	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120310TRL	M8340	1.0	285	0.20	–	170	0.18	–	270	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120315TRL	M8340	1.5	300	0.20	–	180	0.18	–	285	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120405TRL	M8340	0.5	220	0.20	–	130	0.20	–	205	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120410TRL	M8340	1.0	275	0.20	–	165	0.20	–	260	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120415TRL	M8340	1.5	290	0.20	–	170	0.20	–	275	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120505TRL	M8340	0.5	215	0.20	–	125	0.20	–	200	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120510TRL	M8340	1.0	270	0.20	–	160	0.20	–	255	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120515TRL	M8340	1.5	280	0.20	–	165	0.20	–	265	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120705TRL	M8340	0.5	210	0.20	–	125	0.20	–	195	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120710TRL	M8340	1.0	265	0.20	–	155	0.20	–	250	0.20	–	–	–	–	–	–	–	–	–	–
SNHQ 120715TRL	M8340	1.5	275	0.20	–	165	0.20	–	260	0.20	–	–	–	–	–	–	–	–	–	–

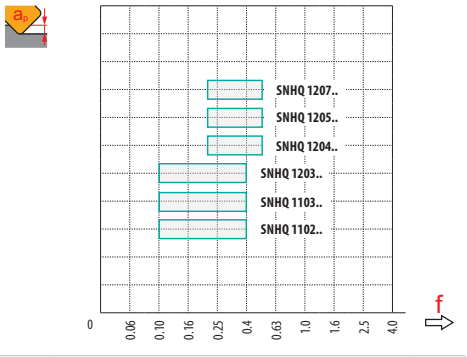


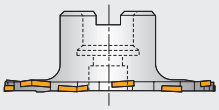


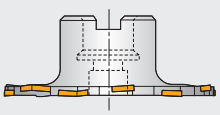
TRL槽型，具有特殊的设计，适用于铣槽。

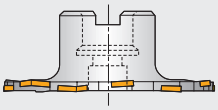
a_e / DC	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00

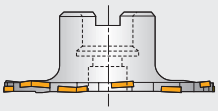
	SNHQ AZEN	SNHQ AZTN	SNHQ 12TRL
RE	–	–	0.5 – 1.5
BS	–	–	–



	DC		CDX	$a_{e\,max}$
	80	4	16	16
	100	5	24	24
	125	6	31	31
	160	5	43	43
	200	9	62	62
	63	3	10.5	63
	80	4	17.5	80
	100	5	23.5	100
	125	6	24	125
	160	8	41	160

	a_e	5		10		15		20		25	
	DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
	80	0.28	0.36	0.20	0.26	0.17	0.21	–	–	–	–
	100	0.32	0.41	0.23	0.29	0.19	0.24	0.16	0.21	–	–
	125	0.35	0.45	0.25	0.32	0.21	0.27	0.18	0.23	0.16	0.21
	160	0.40	0.51	0.28	0.36	0.23	0.30	0.20	0.26	0.18	0.23
	200	0.44	0.57	0.32	0.41	0.26	0.33	0.23	0.29	0.20	0.26
	63	0.25	0.32	0.18	0.23	0.15	0.19	0.13	0.17	0.12	0.15
	80	0.28	0.36	0.20	0.26	0.17	0.21	0.15	0.19	0.13	0.17
	100	0.32	0.41	0.23	0.29	0.19	0.24	0.16	0.21	0.15	0.19
	125	0.35	0.45	0.25	0.32	0.21	0.27	0.18	0.23	0.16	0.21
	160	0.40	0.51	0.28	0.36	0.23	0.30	0.20	0.26	0.18	0.23

	a_e	32		40		50		63		80	
	DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
	80	–	–	–	–	–	–	–	–	–	–
	100	–	–	–	–	–	–	–	–	–	–
	125	–	–	–	–	–	–	–	–	–	–
	160	0.16	0.21	0.15	0.19	–	–	–	–	–	–
	200	0.18	0.23	0.16	0.21	0.15	0.19	–	–	–	–
	**63**	0.11	0.14	0.10	0.13	0.10	0.12	0.10	0.11	–	–
	80	0.12	0.15	0.11	0.14	0.10	0.13	0.10	0.12	0.10	0.11
	100	0.13	0.17	0.12	0.15	0.11	0.14	0.10	0.13	0.10	0.12
	125	0.15	0.19	0.13	0.17	0.12	0.15	0.11	0.14	0.10	0.13
	160	0.16	0.21	0.15	0.19	0.13	0.17	0.12	0.16	0.11	0.14

	a_e	100		125		160	
	DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
	80	–	–	–	–	–	–
	100	–	–	–	–	–	–
	125	–	–	–	–	–	–
	160	–	–	–	–	–	–
	200	–	–	–	–	–	–
	**63**	–	–	–	–	–	–
	80	–	–	–	–	–	–
	100	0.10	0.11	–	–	–	–
	125	0.10	0.12	0.10	0.11	–	–
	160	0.10	0.13	0.10	0.12	0.10	0.11

S90CN(XN)

P M K

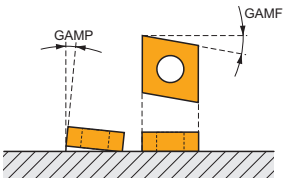
PRAMET

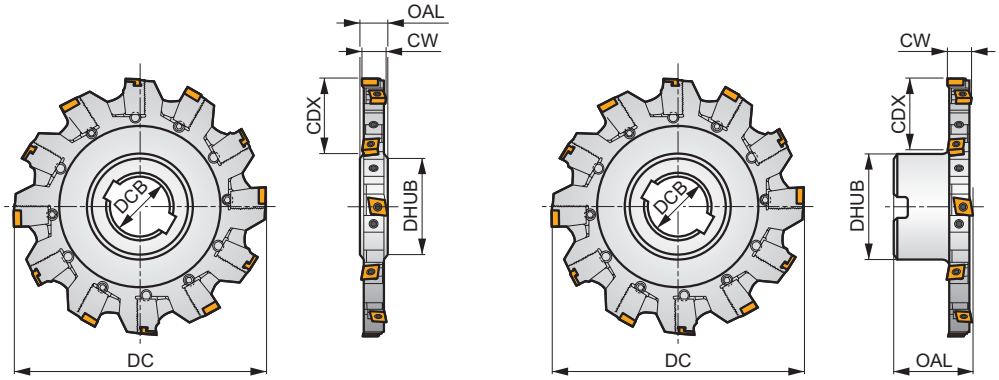
S

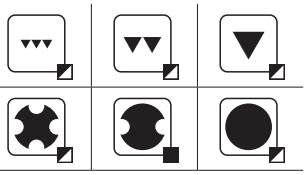
三面刃铣刀盘，宽度可调节

90˚三面刃铣刀盘，使用CNHQ 10和XNHQ 12，16刀片，具有APMX(铣槽深度)从25至110 mm。适用于方肩铣，铣槽，背部和面铣。可提供芯轴式或短型芯轴式类型，尺寸范围Ø 125至Ø 315 mm。刀体经过处理，使用寿命更长。

KAPR	90°
CW	14.0 – 30.5 mm







h_m	0.07 – 0.09
h_m	0.07 – 0.09

	产品型号	DC (mm)	OAL (mm)	DCB (mm)	DHUB (mm)	CDX (mm)	CW (mm)	GAMF (°)	GAMP (°)	x1			max.		kg			
	125H04N-S90CN10N18	125	18	40	56	34	14.0 – 18.5	-10	4	4	8	–	7800	–	1.50	GI195	DI051	–
	160H06N-S90CN10N18	160	18	40	56	50	14.0 – 18.5	-8	4	6	12	–	6900	–	1.80	GI195	DI052	–
	160H05N-S90XN12N24	160	24	40	56	50	19.0 – 24.3	-8	5	5	10	–	5200	–	2.50	GI196	DI056	–
	200J07N-S90CN10N18	200	18	50	71	60	14.0 – 18.5	-8	4	7	14	–	6100	–	2.85	GI195	DI053	–
	200J06N-S90XN12N24	200	24	50	71	60	19.0 – 24.3	-8	5	6	12	–	4700	–	3.60	GI196	DI057	–
ISO 6462 DIN 8030	**200J06N-S90XN16N30**	200	30	50	71	60	24.5 – 30.5	-9	5	6	12	–	4000	–	6.00	GI197	DI060	–
	250J09N-S90CN10N18	250	18	50	71	85	14.0 – 18.5	-8	4	9	18	–	5500	–	5.30	GI195	DI054	–
	250J08N-S90XN12N24	250	24	50	71	85	19.0 – 24.3	-8	5	8	16	–	4200	–	7.50	GI196	DI058	–
	250J08N-S90XN16N30	250	30	50	71	85	24.5 – 30.5	-8	5	8	16	–	3600	–	8.00	GI197	DI061	–
	315J12N-S90CN10N18	315	18	50	71	110	14.0 – 18.5	-8	4	12	24	–	4900	–	7.80	GI195	DI055	–
	315J10N-S90XN12N24	315	24	50	71	110	19.0 – 24.3	-8	5	10	20	–	3700	–	11.00	GI196	DI059	–
	315K10N-S90XN16N30	315	30	60	85	110	24.5 – 30.5	-8	5	10	20	–	3200	–	13.00	GI197	DI062	–
	125B04R-S90CN10N18	125	50	40	70	25	14.0 – 18.5	-10	4	4	8	–	7800	–	1.65	GI195	DI071	AC003
ISO 6462 DIN 8030	**160B06R-S90CN10N18**	160	50	40	70	44	14.0 – 18.5	-8	5	6	12	–	6900	–	2.55	GI195	DI072	–
	160B05R-S90XN12N24	160	50	40	70	44	19.0 – 24.3	-8	5	5	10	–	5200	–	2.90	GI196	DI074	–
	200C06R-S90XN12N24	200	50	40	90	52	19.0 – 24.3	-8	5	6	12	–	6100	–	4.70	GI196	DI075	–
ISO 6462 DIN 8030	**200C06R-S90XN16N30**	200	50	60	130	34	24.5 – 30.5	-9	5	6	12	–	4700	–	5.95	GI197	DI076	–
ISO 6462 DIN 8030	**200C07R-S90CN10N18**	200	50	40	90	52	14.0 – 18.5	-8	4	7	14	–	6100	–	4.05	GI195	DI073	–

GI195	CNHQ 1005..
GI196	XNHQ 1205..
GI197	XNHQ 1606..

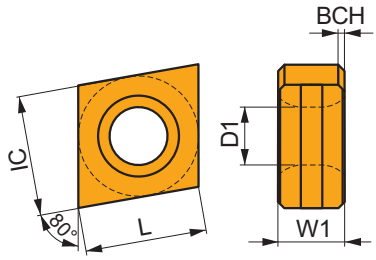
DI051	125H04N-S-14 – 08	KL-1418-CN10	KR-1418-CN10	KS 613F	DS 6018F	SDR T20	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	–
DI052	160H06N-S-14 – 12	KL-1418-CN10	KR-1418-CN10	KS 613F	DS 6018F	SDR T20	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	–
DI053	200J07N-S-14 – 14	KL-1418-CN10	KR-1418-CN10	KS 613F	DS 6018F	SDR T20	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	–
DI054	250J09N-S-14 – 18	KL-1418-CN10	KR-1418-CN10	KS 613F	DS 6018F	SDR T20	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	–
DI055	315J12N-S-14 – 24	KL-1418-CN10	KR-1418-CN10	KS 613F	DS 6018F	SDR T20	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	–
DI056	160H05N-S-19 – 10	KL-1924-XN12	KR-1924-XN12	KS 617M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI057	200J06N-S-19 – 12	KL-1924-XN12	KR-1924-XN12	KS 617M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI058	250J08N-S-19 – 16	KL-1924-XN12	KR-1924-XN12	KS 617M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI059	315J10N-S-19 – 20	KL-1924-XN12	KR-1924-XN12	KS 617M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI060	200J06N-S-25 – 12	KL-2530-XN16	KR-2530-XN16	KS 623M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI061	250J08N-S-25 – 16	KL-2530-XN16	KR-2530-XN16	KS 623M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI062	315K10N-S-25 – 20	KL-2530-XN16	KR-2530-XN16	KS 623M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI071	125B04R-S-14 – 08	KL-1418-CN10	KR-1418-CN10	KS 613F	DS 6018F	SDR T20	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	–
DI072	160B06R-S-14 – 12	KL-1418-CN10	KR-1418-CN10	KS 613F	DS 6018F	SDR T20	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	–
DI073	200C07R-S-14 – 14	KL-1418-CN10	KR-1418-CN10	KS 613F	DS 6018F	SDR T20	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	–
DI074	160B05R-S-19 – 10	KL-1924-XN12	KR-1924-XN12	KS 617M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI075	200C06R-S-19 – 12	KL-1924-XN12	KR-1924-XN12	KS 617M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4
DI076	200C06R-S-25 – 12	KL-2530-XN16	KR-2530-XN16	KS 623M	DS 6500	–	SS 6005-T09P	SDR T09	US 4011-T15P	3.5	M 4	10.6	SDR T15P	HXK 4

AC003	KS 2040	K.FMH40

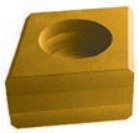
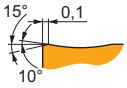
CNHQ

PRAMET

	BCH	IC	D1	L	W1
	(mm)	(mm)	(mm)	(mm)	(mm)
1005	0.50	10.000	4.70	10.00	5.400



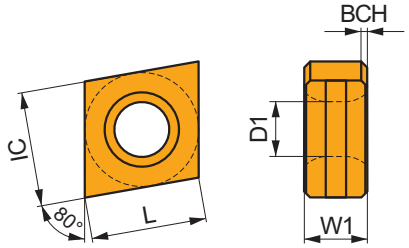
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			非标设计，适用于铣槽具有轻载到重载切削工况。																	
CNHQ 1005AZTN	**M8330**	–	310	0.15	–	185	0.14	–	290	0.15	–	–	–	–	–	–	–	–	–	–
	M8340	–	280	0.15	–	165	0.14	–	265	0.15	–	–	–	–	–	–	–	–	–	–

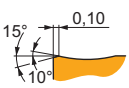
XNHQ

PRAMET

	BCH	IC	D1	L	W1
	(mm)	(mm)	(mm)	(mm)	(mm)
1205	0.50	10.000	4.70	12.70	5.400
1606	0.50	12.000	5.90	16.00	6.400

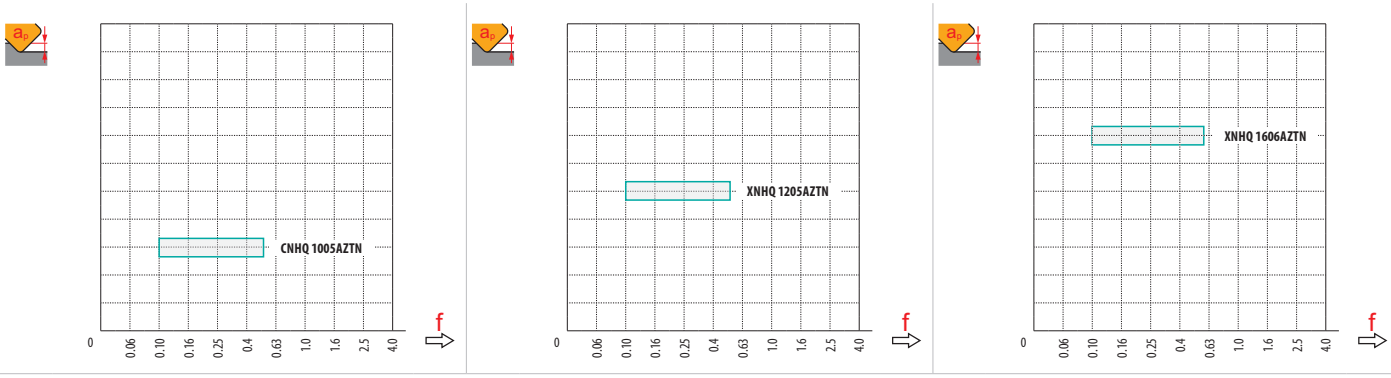


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			非标设计，适用于铣槽。																	
XNHQ 1205AZTN	**M8330**	–	310	0.15	–	185	0.14	–	290	0.15	–	–	–	–	–	–	–	–	–	–
	M8340	–	275	0.15	–	165	0.14	–	260	0.15	–	–	–	–	–	–	–	–	–	–
XNHQ 1606AZTN	**M8330**	–	300	0.15	–	180	0.14	–	285	0.15	–	–	–	–	–	–	–	–	–	–
	M8340	–	270	0.15	–	160	0.14	–	255	0.15	–	–	–	–	–	–	–	–	–	–

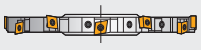
a_e/DC	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.50	0.60	0.70	0.75	0.80	0.90	1.00
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00

	CNHQ 10	XNHQ 12	XNHQ 16
RE	–	–	–
BS	–	–	–



	DC		CDX	$a_{e\,max}$
	125	4	34	34
	160	6	50	50
	200	7	60	60
	250	9	85	85
	315	12	110	110
	125	4	25	125
	160	6	44	160
	200	7	52	200

	a_e	5		10		15		20		25	
	DC	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}
	125	0.35	0.45	0.25	0.32	0.21	0.27	0.18	0.23	0.16	0.21
	160	0.40	0.51	0.28	0.36	0.23	0.30	0.20	0.26	0.18	0.23
	200	0.44	0.57	0.32	0.41	0.26	0.33	0.23	0.29	0.20	0.26
	250	0.50	0.64	0.35	0.45	0.29	0.37	0.25	0.32	0.23	0.29
	315	0.56	0.72	0.39	0.51	0.32	0.42	0.28	0.36	0.25	0.32
	125	0.35	0.45	0.25	0.32	0.21	0.27	0.18	0.23	0.16	0.21
	160	0.40	0.51	0.28	0.36	0.23	0.30	0.20	0.26	0.18	0.23
	200	0.44	0.57	0.32	0.41	0.26	0.33	0.23	0.29	0.20	0.26

	a_e	32		40		50		63		80	
	DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
	**125**	0.15	0.19	–	–	–	–	–	–	–	–
	160	0.16	0.21	0.15	0.19	–	–	–	–	–	–
	200	0.18	0.23	0.16	0.21	0.15	0.19	–	–	–	–
	250	0.20	0.26	0.18	0.23	0.16	0.21	0.15	0.19	0.13	0.17
	315	0.22	0.29	0.20	0.26	0.18	0.23	0.16	0.21	0.15	0.19
	125	0.15	0.19	0.13	0.17	0.12	0.15	0.11	0.14	0.10	0.13
	160	0.16	0.21	0.15	0.19	0.13	0.17	0.12	0.16	0.11	0.14
	200	0.18	0.23	0.16	0.21	0.15	0.19	0.13	0.17	0.12	0.15

	a_e	100		125		160		200	
	DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
	125	–	–	–	–	–	–	–	–
	160	–	–	–	–	–	–	–	–
	200	–	–	–	–	–	–	–	–
	250	–	–	–	–	–	–	–	–
	315	0.13	0.17	–	–	–	–	–	–
	125	0.10	0.12	0.10	0.11	–	–	–	–
	160	0.10	0.13	0.10	0.12	0.10	0.11	–	–
	200	0.11	0.14	0.10	0.13	0.10	0.12	0.10	0.11

仿形铣

仿形铣

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	SRC10	SRC12	SRC16	SRC20	SRD05
	–	–	–	–	–
	APMX (mm) 5.0	APMX (mm) 6.0	APMX (mm) 8.0	APMX (mm) 10.0	APMX (mm) 1.5
	DCX (mm) 25 – 66	DCX (mm) 40 – 100	DCX (mm) 63 – 160	DCX (mm) 80 – 160	DCX (mm) 10 – 15
圆柱刀柄	DCX = 25 – 32 (mm)				
侧固刀柄					
模块式刀柄	DCX = 25 – 42 (mm)				
套式铣刀	DCX = 40 – 66 (mm)				
页码	526	530	534	538	542
ISO	P M K S H	P M K S H	P M K S H	P M K S H	P K H
刀片形状					
刀片	RC 10T3	RC 1204	RC 1606	RC 2006	RD 0501
切削刃数量	–	–	–	–	–
形面铣（仿形铣）	■	■	■	■	■
平面铣	■	■	■	■	■
螺旋插补	■	■	■	■	■
连续钻铣	■	■	■	■	■
坡走铣	■	■	■	■	■
浅槽铣					
深方肩铣					
倒角铣					
插铣					

■ 推荐使用 ◩ 可以使用

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仿形铣

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	SRD07	SRD10	SRD12	SRD16	L2-SZP	K3-CXP
	–	–	–	–	–	–
	APMX (mm) 2.0	APMX (mm) 2.5	APMX (mm) 3.0	APMX (mm) 4.0	APMX (mm) 8.9 – 44.7	APMX (mm) 8 ,0– 16.0
	DCX (mm) 15 – 25	DCX (mm) 20 – 52	DCX (mm) 24 – 80	DCX (mm) 32 – 100	DCX (mm) 10 – 50	DCX (mm) 16 – 32
					DCX = 10 – 32 (mm)	DCX = 16 – 32 (mm)
	DCX = 15 (mm)	DCX = 20 (mm)			DCX = 12 – 50 (mm)	DCX = 16 – 25 (mm)
	DCX = 15 – 25 (mm)	DCX = 20 – 42 (mm)	DCX = 24 – 42 (mm)	DCX = 32 (mm)	DCX = 10 – 32 (mm)	DCX = 16 – 32 (mm)
		DCX = 42 – 52 (mm)	DCX = 50 – 80 (mm)	DCX = 52 – 100 (mm)		
	545	550	556	562	568	575
ISO	P M K N S H	P M K N S H	P M K N S H	P M K N S H	P M K S H	P M K S H
	RD 0702	RD 1003	RD 12T3	RD 1604	ZP	XP
	–	–	–	–	2	1
	■	■	■	■	■	■
	■	■	■	■		
	■	■	■	■		
	■	■	■	■		
	■	■	■	■		

■ 推荐使用 ◩可以使用

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仿形铣

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	K2-SRC	K2-SLC	K2-PPH	SVC22C	SWN04C
	–	90°	–	90°	90° (93°)
	APMX (mm) 0.6 – 3.2 DCX (mm) 8 – 20	APMX (mm) 1.0 – 3.0 DCX (mm) 12 – 20	APMX (mm) 0.3 – 4.0 DCX (mm) 8 – 32	APMX (mm) 3.0 (16.0) DC (mm) 32 – 80	APMX (mm) 0.5 (2.0) DC (mm) 20 – 35
圆柱刀柄	DCX = 8 – 20 (mm)		DCX = 8 – 32 (mm)	DC = 32 – 40 (mm)	DC = 20 – 32 (mm)
侧固刀柄					
模块式刀柄	DCX = 8 – 20 (mm)		DCX = 16 – 20 (mm)	DC = 32 – 40 (mm)	DC = 20 – 35 (mm)
套式铣刀				DC = 50 – 80 (mm)	
页码	579	588	592	604	607
ISO	P M K H	P M K H	P M K S H	N	P K H
刀片形状					
刀片	RC LC	LC	PPH PPHF PPHT	VCGT 220530	WN.. 0403
切削刃数量	2	2	2	2	6
形面铣（仿形铣）	■	■	■		■
平面铣					■
螺旋插补		◪	◪	■	
连续钻铣		◪	◪	■	
坡走铣		◪	◪	◪	■
浅槽铣				◪	
深方肩铣				◪	■
倒角铣		◪	◪		
插铣					■

■ 推荐使用 ◪ 可以使用

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仿形铣

	SCN05C					
	90° (93°)					
	APMX (mm) 0.5 (1.0)					
	DC (mm) 12 – 20					
	DC = 12 – 20 (mm)					
	DC = 12 – 20 (mm)					
	610					
ISO	P K H					
	CN.. 0502					
	4					
	■					
	■					
	■					
	■					
	■					

■ 推荐使用 ◩ 可以使用

SRC10

P M K S H

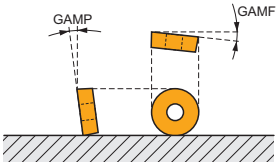
PRAMET

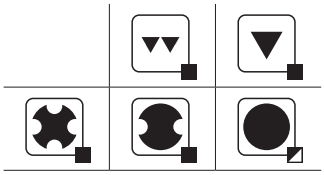
S

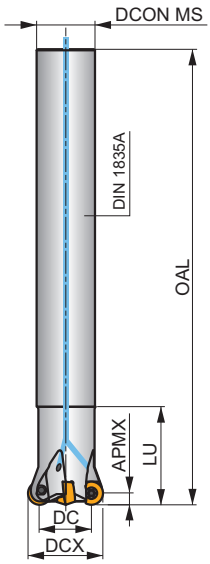
仿形铣削刀盘，使用圆刀片RCMT 10，带内冷

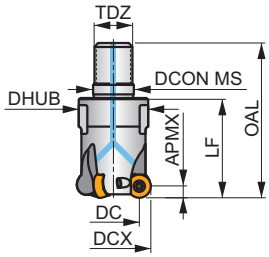
铣刀盘，用于仿形铣削，使用正前角RCMT10刀片，具有APMX(最大切深)5 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和快进给铣削。可提供圆柱柄，模块夹紧系统和芯轴式类型，尺寸范围Ø 25至Ø 66 mm。刀体经过处理，使用寿命更长。

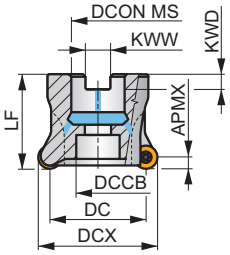
APMX	5.0 mm











h_m 0.08 – 0.15

h_m 0.05 – 0.12

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DHUB (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	**25E2R034A20-SRC10-C**	25	15	170	20	–	–	34	–	–	–	–	-3	-7	2	–	20900	✓	0.36	GI328	C0010
	25E3R034A20-SRC10-C	25	15	170	20	–	–	34	–	–	–	–	-3	-7	3	–	20900	✓	0.36	GI328	C0010
	32E3R042A25-SRC10-C	32	22	200	25	–	–	42	–	–	–	–	-2.6	-7	4	–	18500	✓	0.67	GI328	C0010
	32E4R042A25-SRC10-C	32	22	200	25	–	–	42	–	–	–	–	-2.6	-7	3	–	18500	✓	0.66	GI328	C0010
MODULAR	**25E2R032M12-SRC10-C**	25	15	54	12.5	21	–	–	32	M12	–	–	-3	-7	2	–	20900	✓	0.11	GI328	C0010
	25E3R032M12-SRC10-C	25	15	54	12.5	21	–	–	32	M12	–	–	-3	-7	3	–	20900	✓	0.08	GI328	C0010
	32E3R042M16-SRC10-C	32	22	65	17	29	–	–	42	M16	–	–	-2.6	-7	3	–	18500	✓	0.22	GI328	C0010
	32E4R042M16-SRC10-C	32	22	65	17	29	–	–	42	M16	–	–	-2.6	-7	4	–	18500	✓	0.21	GI328	C0010
	35E4R042M16-SRC10-C	35	25	65	17	29	–	–	42	M16	–	–	-2.4	-7	4	–	17700	✓	0.20	GI328	C0010
	42E4R042M16-SRC10-C	42	32	65	17	29	–	–	42	M16	–	–	-2.1	-7	4	–	16100	✓	0.22	GI328	C0010
	42E5R042M16-SRC10-C	42	32	65	17	29	–	–	42	M16	–	–	-2.1	-7	5	–	16100	✓	0.21	GI328	C0010
ISO 6462 DIN 8030	**40A05R-SMORC10-C**	40	30	–	16	–	14	–	40	–	8.4	5.6	-2.2	-7	5	–	16500	✓	0.16	GI328	C0012
	50A05R-SMORC10-C	50	40	–	22	–	18	–	40	–	10.4	6.3	-2	-7	5	–	14800	✓	0.28	GI328	C0013
	50A06R-SMORC10-C	50	40	–	22	–	18	–	40	–	10.4	6.3	-2	-7	6	–	14800	✓	0.24	GI328	C0013
	52A05R-SMORC10-C	52	42	–	22	–	18	–	40	–	10.4	6.3	-2	-7	5	–	14500	✓	0.29	GI328	C0013
	52A06R-SMORC10-C	52	42	–	22	–	18	–	40	–	10.4	6.3	-2	-7	6	–	14500	✓	0.28	GI328	C0013
	63A06R-SMORC10-C	63	53	–	22	–	18	–	40	–	10.4	6.3	-1.8	-7	6	–	13200	✓	0.46	GI328	C0013
	63A07R-SMORC10-C	63	53	–	22	–	18	–	40	–	10.4	6.3	-1.8	-7	7	–	13200	✓	0.46	GI328	C0013
	66A06R-SMORC10-C	66	56	–	27	–	22	–	50	–	12.4	7	-1.4	-7	6	–	12800	✓	0.58	GI328	C0014
	66A07R-SMORC10-C	66	56	–	27	–	22	–	50	–	12.4	7	-1.4	-7	7	–	12800	✓	0.57	GI328	C0014

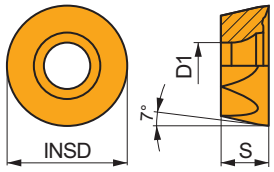
GI328	RCMT 10T3M0..

		Nm				
C0010	US 63509-T10P	3.0	M 3.5	9	Flag T10P	–
C0012	US 63509-T10P	3.0	M 3.5	9	Flag T10P	HS 0830C
C0013	US 63509-T10P	3.0	M 3.5	9	Flag T10P	HS 1030C
C0014	US 63509-T10P	3.0	M 3.5	9	Flag T10P	HS 1230C

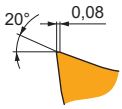
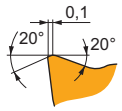
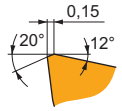
RCMT 10

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
10T3	10.0	3.90	3.97

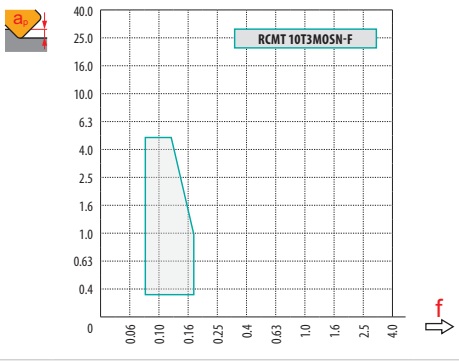


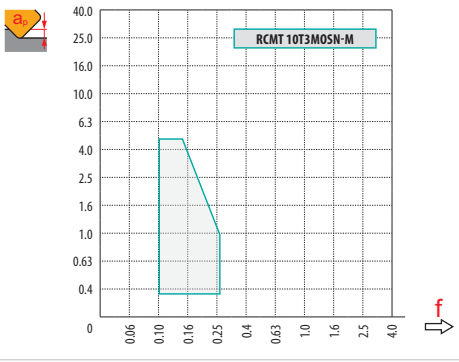
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

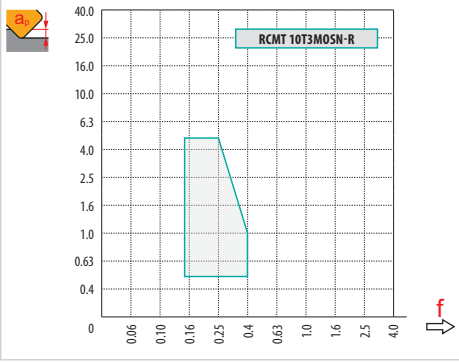
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			HFC S																	
			F槽型，具有大正前角设计，适用于轻载加工。																	
RCMT 10T3MOSN-F	**M6330**	–	■ 340	0.10	1.0	■ 240	0.09	1.0	–	–	–	–	–	–	■ 100	0.08	0.8	–	–	–
	M8310	–	■ 445	0.10	1.0	◪ 225	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	■ 395	0.10	1.0	■ 235	0.09	1.0	–	–	–	–	–	–	◪ 95	0.08	0.8	–	–	–
			1 U HFC S																	
			M槽型，具有大正前角设计，适用于中等加工。																	
RCMT 10T3MOSN-M	**M6330**	–	■ 310	0.12	1.0	◪ 220	0.11	1.0	–	–	–	–	–	–	■ 90	0.11	0.8	–	–	–
	M8310	–	■ 400	0.12	1.0	◪ 200	0.11	1.0	■ 380	0.12	1.0	–	–	–	–	–	–	–	–	–
	M8330	–	■ 360	0.12	1.0	◪ 215	0.11	1.0	■ 340	0.12	1.0	–	–	–	◪ 90	0.11	0.8	–	–	–
	M8340	–	■ 330	0.12	1.0	◪ 195	0.11	1.0	◪ 310	0.12	1.0	–	–	–	■ 80	0.11	0.8	–	–	–
	M8345	–	■ 260	0.12	1.0	◪ 155	0.11	1.0	–	–	–	–	–	–	■ 65	0.11	0.8	–	–	–
	M9325	–	■ 465	0.12	1.0	–	–	–	■ 440	0.12	1.0	–	–	–	–	–	–	–	–	–
	M9340	–	■ 425	0.12	1.0	◪ 255	0.11	1.0	–	–	–	–	–	–	■ 105	0.11	0.8	–	–	–
			HFC S																	
			R槽型，具有正前角设计，适用于粗仿形加工。																	
RCMT 10T3MOSN-R	**M5315**	–	◪ 435	0.17	1.0	–	–	–	■ 410	0.17	1.0	–	–	–	–	–	–	■ 85	0.15	1.0
	M8310	–	■ 345	0.17	1.0	–	–	–	■ 325	0.17	1.0	–	–	–	–	–	–	■ 65	0.15	1.0
	M8330	–	■ 310	0.17	1.0	–	–	–	■ 290	0.17	1.0	–	–	–	◪ 75	0.17	0.8	◪ 60	0.15	1.0
	M8340	–	■ 285	0.17	1.0	–	–	–	◪ 270	0.17	1.0	–	–	–	◪ 70	0.17	0.8	–	–	–
	M9325	–	■ 395	0.17	1.0	–	–	–	■ 375	0.17	1.0	–	–	–	–	–	–	◪ 75	0.15	1.0

a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	RCMT 10-F	RCMT 10-M	RCMT 10-R
RE	5.0	5.0	5.0
BS	–	–	–







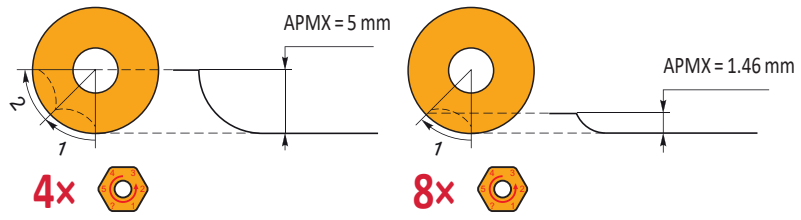
DCX	a_p	0.00	0.15	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
25		15.00	17.43	18.41	19.36	20.27	21.00	21.61	22.14	23.00	23.66	24.17	24.80	25.00
32		22.00	24.43	25.41	26.36	27.27	28.00	28.61	29.14	30.00	30.66	31.17	31.80	32.00
35		25.00	27.43	28.41	29.36	30.27	31.00	31.61	32.14	33.00	33.66	34.17	34.80	35.00
40		30.00	32.43	33.41	34.36	35.27	36.00	36.61	37.14	38.00	38.66	39.17	39.80	40.00
42	DEF	32.00	34.43	35.41	36.36	37.27	38.00	38.61	39.14	40.00	40.66	41.17	41.80	42.00
50		40.00	42.43	43.41	44.36	45.27	46.00	46.61	47.14	48.00	48.66	49.17	49.80	50.00
52		42.00	44.43	45.41	46.36	47.27	48.00	48.61	49.14	50.00	50.66	51.17	51.80	52.00
63		53.00	55.43	56.41	57.36	58.27	59.00	59.61	60.14	61.00	61.66	62.17	62.80	63.00
66		56.00	58.43	59.41	60.36	61.27	62.00	62.61	63.14	64.00	64.66	65.17	65.80	66.00
	a_p	–	0.15	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
	1 ⇨ f	–	0.90	0.64	0.50	0.41	0.35	0.32	0.29	0.25	0.23	0.21	0.19	0.17

DCX	RPMX	APMX/I
25	13.2	5/23
32	12.6	5/24
35	12.3	5/24
40	9.5	5/31
42	6.5	5/45
50	6.4	5/46
52	6.1	5/48
63	4.7	5/62
66	4.4	5/66

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	32.0	50.0	3.0	3.0
32	45.0	64.0	3.0	3.0
35	51.0	70.0	3.0	3.0
40	61.0	80.0	3.0	3.0
42	65.0	84.0	3.0	3.0
50	81.0	100.0	3.0	3.0
52	85.0	104.0	3.0	3.0
63	107.0	126.0	3.0	3.0
66	113.0	132.0	3.0	3.0

a_p
2.24

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
25	FE	0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
35		0.648	0.837	1.183	1.449	1.673	2.049	2.366	2.646	2.898	3.347	3.742
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
42		0.710	0.917	1.296	1.587	1.833	2.245	2.592	2.898	3.175	3.666	4.099
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
52		0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
RE	µm	3	5	10	15	20	30	40	50	60	80	100
5.0	FE	0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000



SRC12

P M K S H

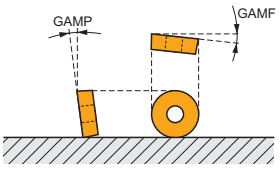
PRAMET

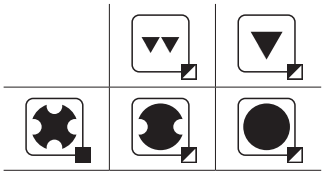
S

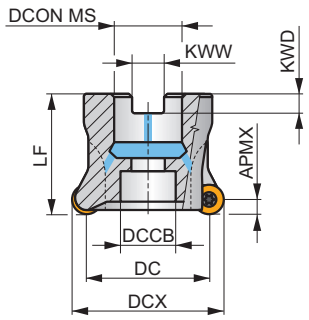
仿形铣削刀盘，使用圆刀片RCMT 12，带内冷

铣刀盘，用于中等仿形铣削，使用正前角RCMT12刀片，具有APMX(最大切深)6 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和快进给铣削。只提供芯轴式类型，尺寸范围是Ø 40至Ø 100 mm。刀体经过处理，使用寿命更长。

APMX	6.0 mm







h_m 0.1 – 0.2

	产品型号	DCX (mm)	DC (mm)	DCON MS (mm)	DCCB (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**40A03R-SMORC12-C**	40	28	16	12	40	8.4	5.6	-2.1	-7	3	–	14800	✓	0.29	GI279	C0022	–
	50A04R-SMORC12-C	50	38	22	18	40	10.4	6.3	-2	-7	4	–	13200	✓	0.39	GI279	C0023	–
	52A05R-SMORC12-C	52	40	22	18	40	10.4	6.3	-2	-7	5	–	12900	✓	0.36	GI279	C0023	–
	63A05R-SMORC12-C	63	51	22	30	40	10.4	6.3	-2	-7	5	–	11800	✓	0.51	GI279	C0023	–
	66A06R-SMORC12-C	66	54	27	22	50	12.4	7	-1.5	-7	6	–	11400	✓	0.67	GI279	C0024	–
	80A05R-SMORC12-C	80	68	27	37	50	12.4	7	-1.7	-7	5	–	10400	✓	1.10	GI279	C0024	–
	100A06R-SMORC12-C	100	88	32	45	50	14.4	8	-1.8	-7	6	–	9300	✓	1.83	GI279	C0021	AC002

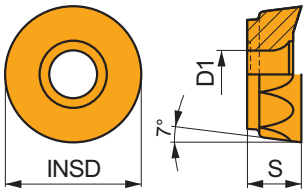
GI279	RCMT 1204M0..

		Nm					
C0021	US 63509-T15P	3.0	M 3.5	10	D-T08P/T15P	FG-15	–
C0022	US 63509-T15P	3.0	M 3.5	10	D-T08P/T15P	FG-15	HS 90835
C0023	US 63509-T15P	3.0	M 3.5	10	D-T08P/T15P	FG-15	HS 1030C
C0024	US 63509-T15P	3.0	M 3.5	10	D-T08P/T15P	FG-15	HS 1230C

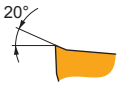
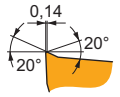
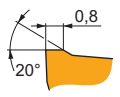
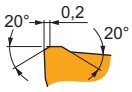
AC002	KS 1635	K.FMH32

RCMT 12

	INSD	D1	S
	(mm)	(mm)	(mm)
1204	12.0	4.40	4.76

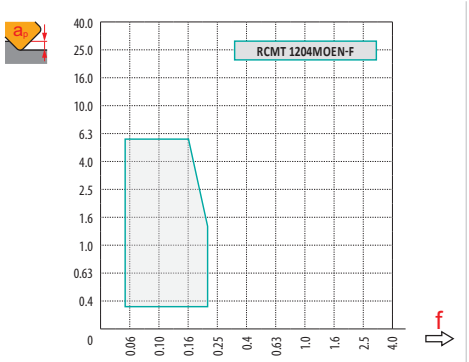


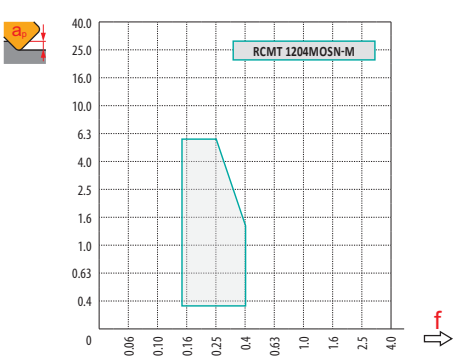
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

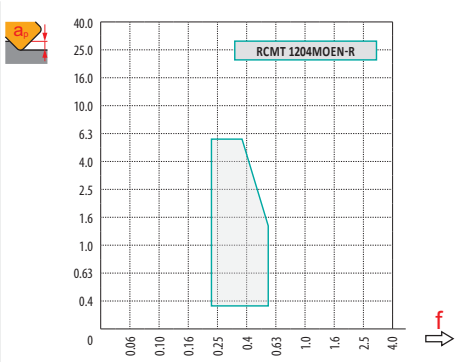
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
			HFC E																	
			F槽型，具有大正前角设计，适用于轻载加工。																	
RCMT 1204M0EN-F	8215	–	■ 390	0.10	1.5	◪ 230	0.09	1.5	–	–	–	–	–	–	◪ 95	0.07	1.2	–	–	–
	M8310	–	■ 420	0.10	1.5	◪ 210	0.09	1.5	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	■ 380	0.10	1.5	■ 225	0.09	1.5	–	–	–	–	–	–	◪ 95	0.07	1.2	–	–	–
			U HFC S																	
			M槽型，具有大正前角设计，适用于中等加工。																	
RCMT 1204M0SN-M	M6330	–	■ 265	0.20	1.5	◪ 185	0.18	1.5	–	–	–	–	–	–	■ 75	0.16	1.2	–	–	–
	M8310	–	■ 335	0.20	1.5	◪ 170	0.18	1.5	■ 315	0.20	1.5	–	–	–	–	–	–	–	–	–
	M8330	–	■ 305	0.20	1.5	◪ 180	0.18	1.5	■ 285	0.20	1.5	–	–	–	◪ 75	0.16	1.2	–	–	–
	M8345	–	■ 225	0.20	1.5	◪ 135	0.18	1.5	–	–	–	–	–	–	■ 55	0.16	1.2	–	–	–
	M9325	–	■ 380	0.20	1.5	–	–	–	■ 360	0.20	1.5	–	–	–	–	–	–	–	–	–
	M9340	–	■ 345	0.20	1.5	◪ 205	0.18	1.5	–	–	–	–	–	–	■ 85	0.16	1.2	–	–	–
			HFC S																	
			EN-R槽型，具有正前角设计，适用于粗仿形加工。																	
RCMT 1204M0EN-R	M8310	–	■ 280	0.30	1.5	◪ 140	0.27	1.5	■ 265	0.30	1.5	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	–	■ 260	0.30	1.5	◪ 155	0.27	1.5	■ 245	0.30	1.5	–	–	–	◪ 65	0.24	1.2	◪ 50	0.15	1.0
			HFC P																	
			SN-R槽型，具有正前角设计，适用于粗仿形加工。																	
RCMT 1204M0SN-R	M8345	–	■ 190	0.35	1.5	–	–	–	–	–	–	–	–	–	◪ 45	0.25	1.2	–	–	–
	M9315	–	■ 315	0.35	1.5	–	–	–	■ 295	0.35	1.5	–	–	–	–	–	–	◪ 60	0.15	1.0

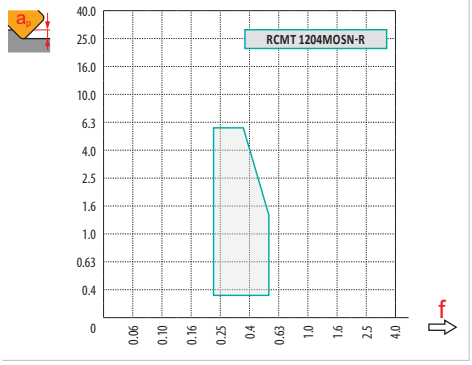
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	RCMT 12-F	RCMT 12-M	RCMT 12 EN-R	RCMT 12 SN-R
RE	6.0	6.0	6.0	6.0
BS	–	–	–	–









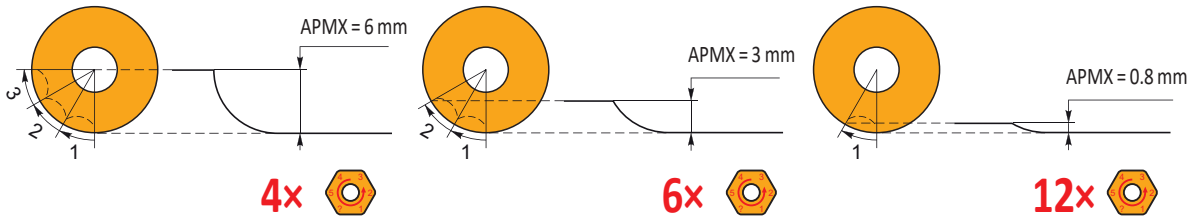
DCX	a_p	0.00	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00
40	DEF	28.0	31.7	32.8	33.8	34.6	35.3	35.9	36.9	37.7	38.4	39.3	39.8	40.0
50		38.0	41.7	42.8	43.8	44.6	45.3	45.9	46.9	47.7	48.4	49.3	49.8	50.0
52		40.0	43.7	44.8	45.8	46.6	47.3	47.9	48.9	49.7	50.4	51.3	51.8	52.0
63		51.0	54.7	55.8	56.8	57.6	58.3	58.9	59.9	60.7	61.4	62.3	62.8	63.0
66		54.0	57.7	58.8	59.8	60.6	61.3	61.9	62.9	63.7	64.4	65.3	65.8	66.0
80		68.0	71.7	72.8	73.8	74.6	75.3	75.9	76.9	77.7	78.4	79.3	79.8	80.0
100		88.0	91.7	92.8	93.8	94.6	95.3	95.9	96.9	97.7	98.4	99.3	99.8	100.0
	a_p	–	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00
	f	–	0.95	0.74	0.61	0.53	0.47	0.43	0.38	0.34	0.31	0.28	0.25	0.24

DC	RPMX	APMX/l
40	9.0	6.0/39
50	7.0	6.0/50
52	6.5	6.0/53
63	5.0	6.0/70
66	4.5	6.0/76
80	3.0	5.1/100
100	2.0	3.3/100

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
40	56.0	80.0	6.0	6.0
50	76.0	100.0	6.0	6.0
52	80.0	104.0	6.0	6.0
63	102.0	126.0	6.0	6.0
66	108.0	132.0	6.0	6.0
80	136.0	160.0	6.0	6.0
100	176.0	200.0	6.0	6.0

a_p
3.5

DC	µm	3	5	10	15	20	30	40	50	60	80	100
40	FE	0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
52		0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
100		1.095	1.414	2.000	2.449	2.828	3.464	4.000	4.472	4.899	5.657	6.325
RE	µm	3	5	10	15	20	30	40	50	60	80	100
6.0	FE	0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191



SRC16

P M K S H

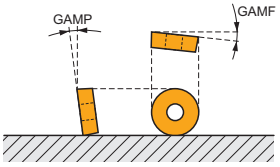
PRAMET

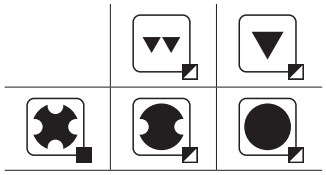
S

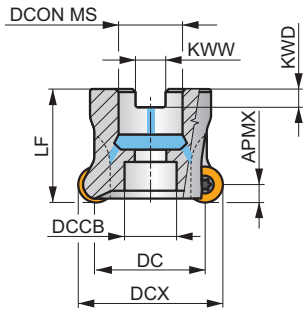
仿形铣削刀盘，使用圆刀片RCMT 16，带内冷

铣刀盘，从中等加工至重载仿形铣削，使用正前角RCMT16刀片，具有APMX(最大切深)8 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和快进给铣削。可提供芯轴式类型，尺寸范围Ø 63至Ø 160 mm。刀体经过处理，使用寿命更长。

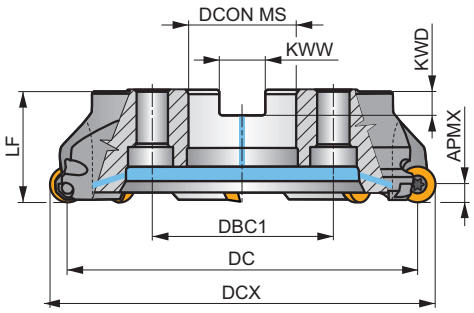
APMX	8.0 mm







DC 63 - 125 mm



DC 160 mm

h_m 0.1 – 0.25

	产品型号	DCX (mm)	DC (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**63A04R-SMORC16-C**	63	47	22	18	–	50	10.4	6.3	-2.6	-7	4	–	9700	✓	0.61	GI280	C0033	–
	66A05R-SMORC16-C	66	50	27	22	–	50	12.4	7	-2.5	-7	5	–	9200	✓	0.60	GI280	C0030	–
	80A05R-SMORC16-C	80	64	27	37	–	50	12.4	7	-1.7	-7	5	–	8600	✓	0.88	GI280	C0030	–
	100A06R-SMORC16-C	100	84	32	45	–	50	14.4	8	-1.7	-7	6	–	7700	✓	1.33	GI280	C0031	AC002
	125A07R-SMORC16-C	125	109	40	36	–	63	16.4	9	-1.2	-7	7	–	6500	✓	3.07	GI280	C0032	–
	160C08R-SMORC16-C	160	144	40	–	66.7	63	16.4	9	-0.9	-7	8	–	5400	✓	5.68	GI280	C0034	–

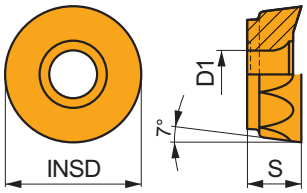
GI280	RCMT 1606M0..

		Nm							
C0030	US 65014-T20P	5.0	M 5	14	SDR T20P-T	HS 1230C	–	–	–
C0031	US 65014-T20P	5.0	M 5	14	SDR T20P-T	–	–	–	–
C0032	US 65014-T20P	5.0	M 5	14	SDR T20P-T	HSD 2040	–	–	–
C0033	US 65014-T20P	5.0	M 5	14	SDR T20P-T	HS 1030C	–	–	–
C0034	US 65014-T20P	5.0	M 5	14	SDR T20P-T	HS 1240C	CAC 160C	HSD 0825C	HXK 5

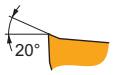
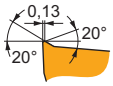
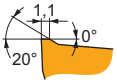
AC002	KS 1635	K.FMH32

RCMT 16

	INSD (mm)	D1 (mm)	S (mm)
1606	16.0	5.50	6.35

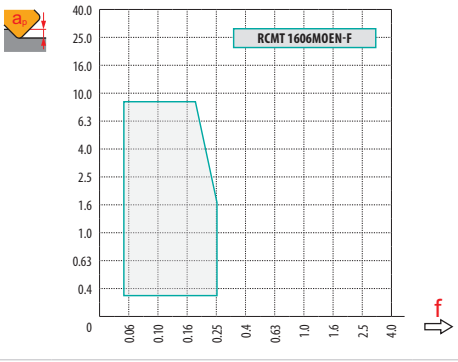


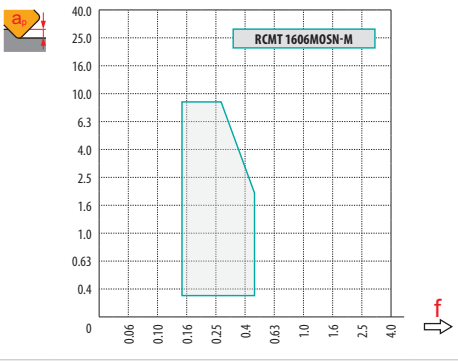
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

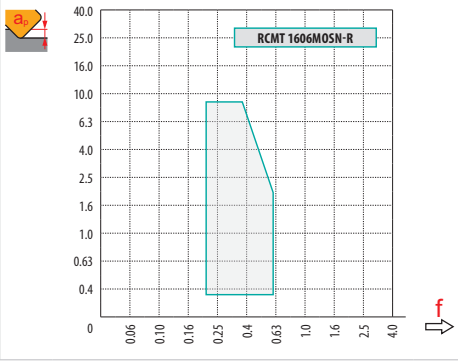
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			HFC E F槽型，具有大正前角设计，适用于轻载加工。																	
RCMT 1606MOEN-F	M8310	–	■ 410	0.10	2.0	◪ 205	0.09	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	■ 370	0.10	2.0	■ 220	0.09	2.0	–	–	–	–	–	–	◪ 90	0.07	1.6	–	–	–
			HFC S M槽型，具有大正前角设计，适用于中等加工。																	
RCMT 1606MOSN-M	M6330	–	■ 255	0.20	2.0	◪ 180	0.18	2.0	–	–	–	–	–	–	■ 75	0.16	1.6	–	–	–
	M8330	–	■ 300	0.20	2.0	◪ 180	0.18	2.0	■ 285	0.20	2.0	–	–	–	◪ 75	0.16	1.6	–	–	–
	M8345	–	■ 215	0.20	2.0	◪ 125	0.18	2.0	–	–	–	–	–	–	■ 50	0.16	1.6	–	–	–
	M9325	–	■ 370	0.20	2.0	–	–	–	■ 350	0.20	2.0	–	–	–	–	–	–	–	–	–
	M9340	–	■ 335	0.20	2.0	◪ 200	0.18	2.0	–	–	–	–	–	–	■ 80	0.16	1.6	–	–	–
			HFC P R槽型，具有正前角设计，适用于粗仿形加工。																	
RCMT 1606MOSN-R	M8310	–	■ 250	0.40	2.0	–	–	–	■ 235	0.40	2.0	–	–	–	–	–	–	■ 50	0.15	1.0
	M8330	–	■ 240	0.40	2.0	–	–	–	■ 225	0.40	2.0	–	–	–	◪ 60	0.28	1.6	◪ 45	0.15	1.0
	M8345	–	■ 175	0.40	2.0	–	–	–	–	–	–	–	–	–	◪ 40	0.28	1.6	–	–	–
	M9325	–	■ 280	0.40	2.0	–	–	–	■ 265	0.40	2.0	–	–	–	–	–	–	◪ 55	0.15	1.0

a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	RCMT 16-F	RCMT 16-M	RCMT 16-R
RE	8.0	8.0	8.0
BS	–	–	–







DCX	a_p	0.00	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00	7.00	8.00
63		47.0	51.3	52.6	53.8	54.7	55.6	56.3	57.6	58.6	59.5	60.9	61.8	62.5	62.9	63.0
66		50.0	54.3	55.6	56.8	57.8	58.6	59.3	60.6	61.6	62.5	63.9	64.8	65.5	65.9	66.0
80	DEF	64.0	68.3	69.6	70.8	71.7	72.6	73.3	74.6	75.6	76.5	77.9	78.8	79.5	79.9	80.0
100		84.0	88.3	89.6	90.8	91.7	92.6	93.3	94.6	95.6	96.5	97.9	98.8	99.5	99.9	100.0
125		109.0	113.3	114.6	115.8	116.7	117.6	118.3	119.6	120.6	121.5	122.9	123.8	124.5	124.9	125.0
160		144.0	148.3	149.6	150.8	151.7	152.6	153.3	154.6	155.6	156.5	157.9	158.8	159.5	159.9	160.0
	a_p	–	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00	7.00	8.00
	f	–	1.10	0.85	0.70	0.61	0.54	0.50	0.43	0.39	0.36	0.31	0.28	0.26	0.25	0.24

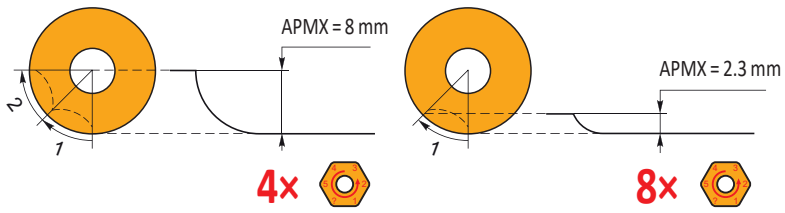
DC	RPMX	APMX/I
63	7.0	8.0/67
66	6.5	8.0/71
80	5.0	8.0/93
100	4.0	6.8/100

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
63	94.0	126.0	8.0	8.0
66	100.0	132.0	8.0	8.0
80	128.0	160.0	8.0	8.0
100	168.0	200.0	8.0	8.0

a_p
5.0

DC	µm	3	5	10	15	20	30	40	50	60	80	100
63	FE	0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
100		1.095	1.414	2.000	2.449	2.828	3.464	4.000	4.472	4.899	5.657	6.325
125		1.225	1.581	2.236	2.739	3.162	3.873	4.472	5.000	5.477	6.325	7.071
160		1.386	1.789	2.530	3.098	3.578	4.382	5.060	5.657	6.197	7.155	8.000

RE	µm	3	5	10	15	20	30	40	50	60	80	100
8.0	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530



SRC20

P M K S H

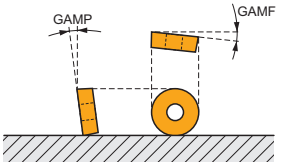
PRAMET

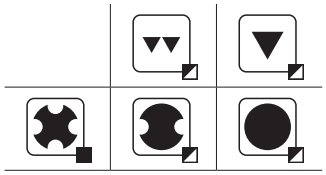
S

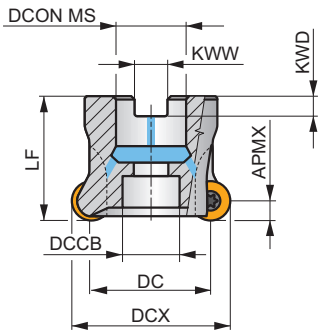
仿形铣削刀盘，使用圆刀片RCMT 20，带内冷

铣刀盘，用于重载仿形铣削，使用正前角RCMT20刀片，具有APMX(最大切深)10 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和快进给铣削。可提供芯轴式类型，尺寸范围Ø 80至Ø 160 mm。刀体经过处理，使用寿命更长。

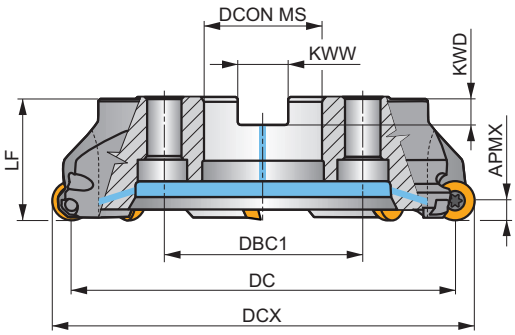
APMX	10.0 mm







DC 80 - 125 mm



DC 160 mm

h_m 0.11 – 0.32

	产品型号	DCX (mm)	DC (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**80A04R-SM0RC20-C**	80	60	27	28	–	50	12.4	7	-2.7	-7	4	–	8500	✓	0.96	GI281	C0040	–
	100A05R-SM0RC20-C	100	80	32	45	–	50	14.4	8	-1.7	-7	5	–	7600	✓	1.26	GI281	C0041	AC002
	125A06R-SM0RC20-C	125	105	40	36	–	63	16.4	9	-1	-7	6	–	6500	✓	2.96	GI281	C0042	–
	160C07R-SM0RC20-C	160	140	40	–	66.7	63	16.4	9	-0.9	-7	7	–	5400	✓	5.44	GI281	C0046	–

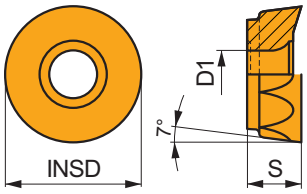
GI281	RCMT 2006M0..

		Nm							
C0040	US 66015-T25P	7.5	M 6	15	SDR T25P-T	HS 1230C	–	–	–
C0041	US 66015-T25P	7.5	M 6	15	SDR T25P-T	–	–	–	–
C0042	US 66015-T25P	7.5	M 6	15	SDR T25P-T	HSD 2040	–	–	–
C0046	US 66015-T25P	7.5	M 6	15	SDR T25P-T	HS 1240C	CAC 160C	HSD 0825C	HXK 5

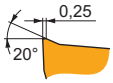
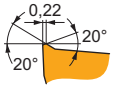
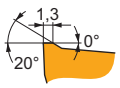
AC002	KS 1635	K.FMH32

RCMT 20

	INSD	D1	S
	(mm)	(mm)	(mm)
2006	20.0	6.50	6.35

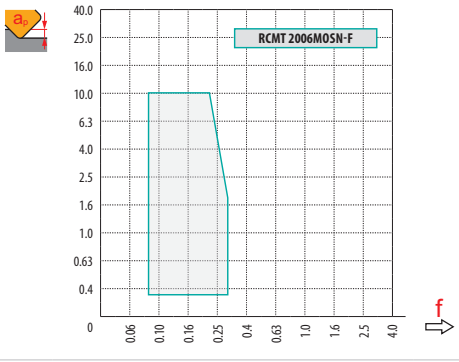


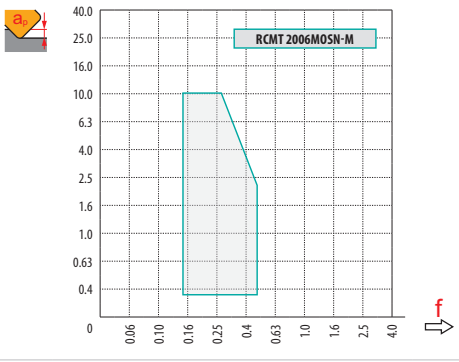
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

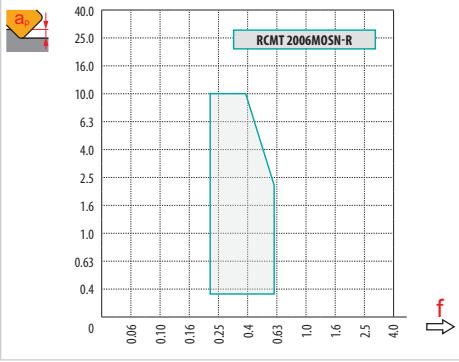
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
			HFC S																	
			F槽型，具有大正前角设计，适用于轻载加工。																	
RCMT 2006MOSN-F	**M8330**	–	320	0.15	3.0	190	0.14	3.0	–	–	–	–	–	–	80	0.11	2.4	–	–	–
			U HFC S																	
			M槽型，具有大正前角设计，适用于中等加工。																	
RCMT 2006MOSN-M	**M6330**	–	225	0.30	3.0	155	0.27	3.0	–	–	–	–	–	–	65	0.21	2.4	–	–	–
	M8330	–	255	0.30	3.0	150	0.27	3.0	240	0.30	3.0	–	–	–	60	0.21	2.4	–	–	–
	M8345	–	190	0.30	3.0	110	0.27	3.0	–	–	–	–	–	–	45	0.21	2.4	–	–	–
	M9315	–	330	0.30	3.0	–	–	–	310	0.30	3.0	–	–	–	–	–	–	–	–	–
	M9325	–	315	0.30	3.0	–	–	–	295	0.30	3.0	–	–	–	–	–	–	–	–	–
	M9340	–	275	0.30	3.0	165	0.27	3.0	–	–	–	–	–	–	65	0.21	2.4	–	–	–
			HFC P																	
			R槽型，具有正前角设计，适用于粗仿形加工。																	
RCMT 2006MOSN-R	**M8330**	–	225	0.45	3.0	–	–	–	210	0.45	3.0	–	–	–	55	0.32	2.4	45	0.15	1.0
	M8345	–	165	0.45	3.0	–	–	–	–	–	–	–	–	–	40	0.32	2.4	–	–	–
	M9325	–	260	0.45	3.0	–	–	–	245	0.45	3.0	–	–	–	–	–	–	50	0.15	1.0

a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	RCMT 20-F	RCMT 20-M	RCMT 20-R
RE	10.0	10.0	10.0
BS	–	–	–







DCX	a_p	0.00	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
80	DEF	60.0	64.9	66.2	67.6	68.7	69.7	70.5	72.0	73.2	74.3	76.0	77.3	78.3	79.1	79.6	79.9	80.0
100		80.0	84.9	86.2	87.6	88.7	89.7	90.5	92.0	93.2	94.3	96.0	97.3	98.3	99.1	99.6	99.9	100.0
125		105.0	109.9	111.2	112.6	113.7	114.7	115.5	117.0	118.2	119.3	121.0	122.3	123.3	124.1	124.6	124.9	125.0
160		140.0	144.9	146.2	147.6	148.7	149.7	150.5	152.0	153.2	154.3	156.0	157.3	158.3	159.1	159.6	159.9	160.0
	a_p	–	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
	f	–	1.23	0.95	0.78	0.68	0.61	0.55	0.48	0.43	0.40	0.35	0.31	0.29	0.27	0.26	0.25	0.24

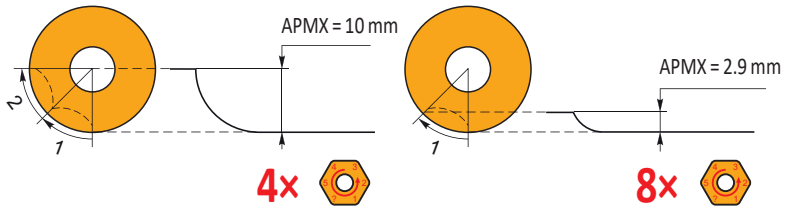
DCX	RPMX	APMX/I
80	7.0	10.0/83
100	5.0	8.6/100

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
80	120.0	160.0	10.0	10.0
100	160.0	200.0	10.0	10.0

a_p
6.0

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
80	FE	0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
100		1.095	1.414	2.000	2.449	2.828	3.464	4.000	4.472	4.899	5.657	6.325
125		1.225	1.581	2.236	2.739	3.162	3.873	4.472	5.000	5.477	6.325	7.071
160		1.386	1.789	2.530	3.098	3.578	4.382	5.060	5.657	6.197	7.155	8.000

RE	µm	3	5	10	15	20	30	40	50	60	80	100
10.0	FE	0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828



SRD05

P K H

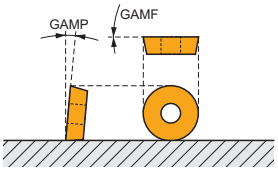
PRAMET

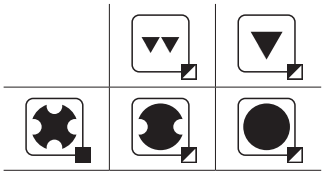
S

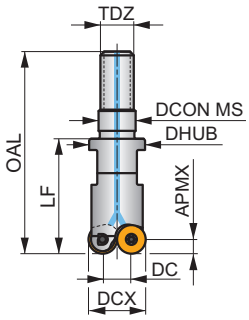
仿形铣削刀盘，使用圆刀片RDHX 05，带内冷

铣刀盘，用于仿形铣削，使用正前角RD..　16刀片，具有APMX(最大切深)4 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和仿形铣削。可提供模块夹紧系统和芯轴式类型，尺寸范围Ø 32至Ø 100 mm。刀体经过处理，使用寿命更长。

APMX	1.5 mm







h_m 0.03 – 0.1

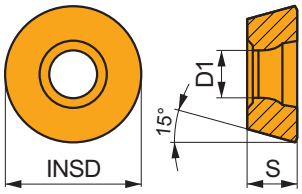
	产品型号	DCX (mm)	DC (mm)	DHUB (mm)	OAL (mm)	LF (mm)	DCON MS (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
MODULAR	**10E2R020M06-SRD05-CF**	10	5	9.8	35	20	6.5	M6	5	3	2	–	89300	✓	0.01	GI117	CO352
MODULAR	**12E3R020M06-SRD05-CF**	12	7	10	35	20	6.5	M6	0	3	3	–	81500	✓	0.01	GI117	CO352
MODULAR	**15E4R020M08-SRD05-CF**	15	10	13.5	38	20	8.5	M8	0	3	4	–	72900	✓	0.02	GI117	CO352

GI117	RD.. 0501M0..

		Nm			
CO352	US 62003B-T06P	0.9	M 2	3	Flag T06P

RDHX 05

	INSD	D1	S
	(mm)	(mm)	(mm)
0501	5.0	2.20	1.51

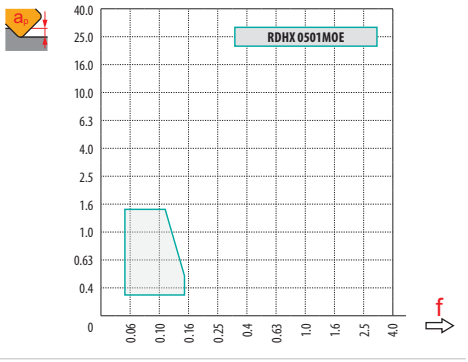


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC E																	
			平板设计，适用于精加工。																	
RDHX 0501M0E	**M8310**	–	400	0.10	0.5	–	–	–	380	0.10	0.5	–	–	–	–	–	–	80	0.15	1.0

a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	RDHX 05
RE	2.5
BS	–



DCX	a_p	0.00	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50
10	DEF	5.0	7.4	8.0	8.6	9.0	9.3	9.6	9.9	10.0
12		7.0	9.4	10.0	10.6	11.0	11.3	11.6	11.9	12.0
15		10.0	12.4	13.0	13.6	14.0	14.3	14.6	14.9	15.0
	a_p	–	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50
	f	–	0.25	0.19	0.16	0.14	0.13	0.12	0.10	0.09

DCX	RPMX	APMX/I
10	15.0	1.3/11
12	11.0	1.3/14
15	7.0	1.3/22

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
10	12.0	20.0	1.2	1.2
12	16.0	24.0	1.2	1.2
15	22.0	30.0	1.2	1.2

a_p
1.0

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
10	FE	0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000
12		0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191
15		0.424	0.548	0.775	0.949	1.095	1.342	1.549	1.732	1.897	2.191	2.449
RE	µm	3	5	10	15	20	30	40	50	60	80	100
2.5	FE	0.245	0.316	0.447	0.548	0.632	0.775	0.894	1.000	1.095	1.265	1.414

SRD07

P M K N S H

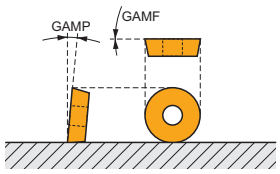
PRAMET

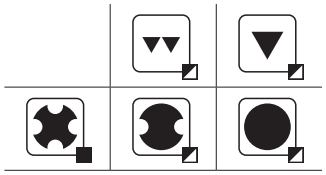
S

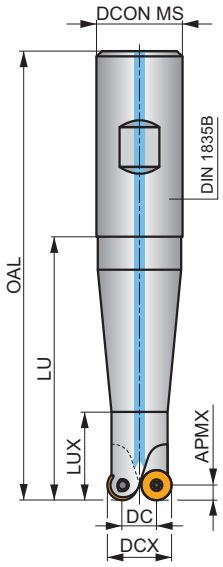
仿形铣削刀盘，使用圆刀片RD.. 07，带内冷

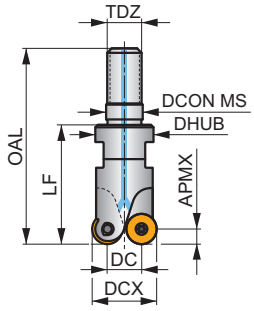
铣刀盘，用于仿形铣削，使用正前角RD..　07刀片，具有APMX(最大切深)2 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和仿形铣削。可提供侧固柄和模块夹紧系统类型，尺寸范围Ø 15至Ø 25 mm。刀体经过处理，使用寿命更长。

APMX	2.0 mm









h_m 0.065 – 0.13

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DHUB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835B	**15E2R040B16-SRD07-CF**	15	8	88	16	–	40	20	–	–	1	0	2	–	44200	✓	0.10	GI118	C0354
	15E2R060B16-SRD07-CF	15	8	108	16	–	60	20	–	–	1	0	2	–	44200	✓	0.13	GI118	C0354
	15E2R080B20-SRD07-CF	15	8	130	20	–	80	22	–	–	1	0	2	–	44200	✓	0.22	GI118	C0354
	15E2R100B20-SRD07-CF	15	8	150	20	–	100	22	–	–	1	0	2	–	44200	✓	0.25	GI118	C0354
	15E2R120B25-SRD07-CF	15	8	176	25	–	120	22	–	–	1	0	2	–	44200	✓	0.43	GI118	C0354
MODULAR	**15E2R028M08-SRD07-CF**	15	8	46	8.5	13.5	–	–	28	M8	1	0	2	–	44200	✓	0.03	GI118	C0354
	15E3R028M08-SRD07-CF	15	8	46	10.5	13.5	–	–	28	M8	2	0	3	–	44200	✓	0.03	GI118	C0354
	20E4R028M10-SRD07-CF	20	13	47	12.5	18	–	–	28	M10	-8	0	4	–	38200	✓	0.05	GI118	C0354
	25E5R028M12-SRD07-CF	25	18	50	12.5	21	–	–	28	M12	-2	0	5	–	34200	✓	0.08	GI118	C0354

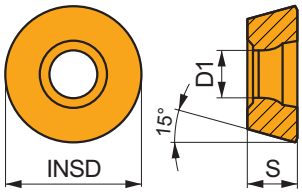
GI118	RD.. 0702M0..

C0354	US 42505-T07P	1.2 Nm	M 2.5	5	Flag T07P

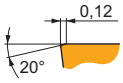
RDHX 07

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
0702	7.0	2.80	2.38
07T1	7.0	2.80	1.98



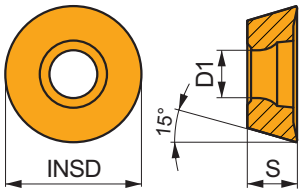
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			HFC T 平板设计，适用于精加工。																	
RDHX 0702M0T	**M4303**	–	370	0.15	0.5	–	–	–	350	0.15	0.5	–	–	–	–	–	–	70	0.15	1.0
	M8310	–	360	0.15	0.5	–	–	–	340	0.15	0.5	–	–	–	–	–	–	70	0.15	1.0
	M8325	–	275	0.15	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
RDHX 07T1M0T	**M8310**	–	360	0.15	0.5	–	–	–	340	0.15	0.5	–	–	–	–	–	–	70	0.15	1.0
	M8325	–	275	0.15	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

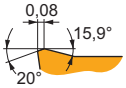
RDGT 07

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
0702	7.0	2.80	2.38



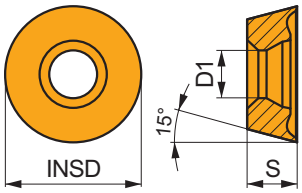
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			U HFC T 正前角设计，适用于精加工。																	
RDGT 0702M0T	**M8310**	–	400	0.15	0.5	200	0.14	0.5	380	0.15	0.5	–	–	–	–	–	–	–	–	–
	M8325	–	305	0.15	0.5	145	0.14	0.5	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	–	270	0.15	0.5	160	0.14	0.5	–	–	–	–	–	–	65	0.12	0.4	–	–	–

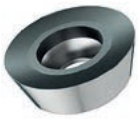
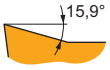
RDHT 07-FA

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
0702	7.0	2.80	2.38



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				

HFC F

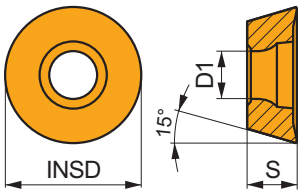
FA槽型，具有大正前角设计，适用于精加工到中等加工。

RDHT 0702M0-FA	**HF7**	–	–	–	–	–	–	–	–	–	–	–	–	–	■	420	0.18	0.5	–	–	–	–	–	–

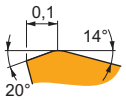
RDMT 07

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
0702	7.0	2.80	2.38



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				

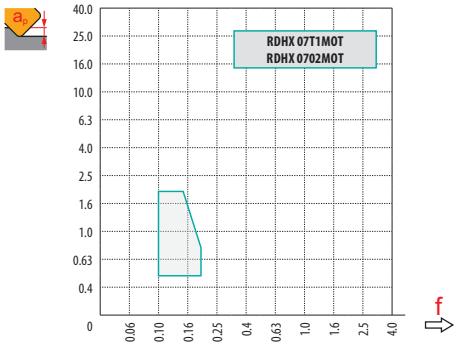
HFC S

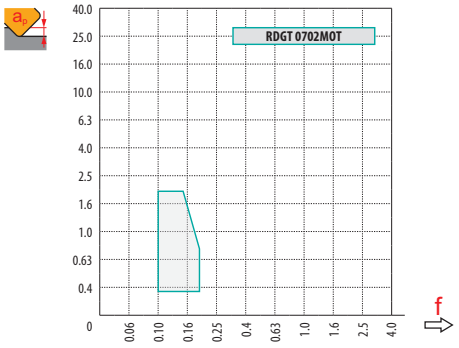
正前角设计，适用于精加工。

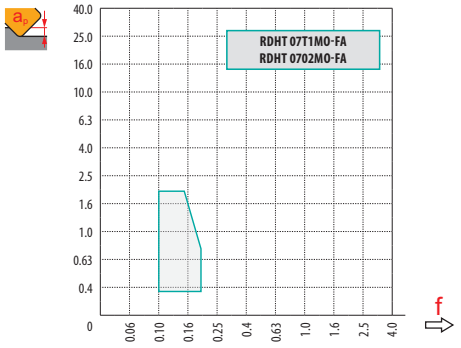
RDMT 0702M0T	**M8325**	–	■	305	0.15	0.5	◪	145	0.14	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–

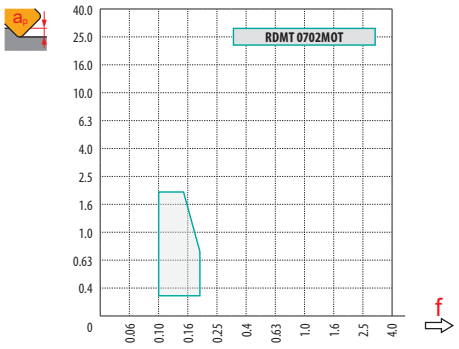
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	RDHX 07	RDGT 07	RDHT 07-FA
RE	3.5	3.5	3.5
BS	–	–	–









DCX	a_p	0.00	0.30	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	3.50
15	DEF	8.0	10.8	11.6	12.3	12.9	13.4	13.7	14.3	14.7	14.9	15.0
20		13.0	15.8	16.6	17.3	17.9	18.4	18.7	19.3	19.7	19.9	20.0
25		18.0	20.8	21.6	22.3	22.9	23.4	23.7	24.3	24.7	24.9	25.0
	a_p	**0.00**	**0.30**	**0.50**	**0.75**	**1.00**	**1.25**	**1.50**	**2.00**	**2.50**	**3.00**	**3.50**
	f	–	0.29	0.23	0.19	0.16	0.15	0.13	0.12	0.11	0.10	0.09

DCX	RPMX	APMX/I
15	11.0	1.7/20
20	7.0	1.7/30
25	6.0	1.7/35

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
15	17.0	30.0	0.4	1.7
20	28.0	40.0	1.7	1.7
25	38.0	50.0	1.7	1.7

a_p
1.2

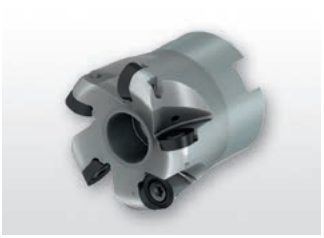
DCX	µm	3	5	10	15	20	30	40	50	60	80	100
15	FE	0.424	0.548	0.775	0.949	1.095	1.342	1.549	1.732	1.897	2.191	2.449
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
RE	µm	3	5	10	15	20	30	40	50	60	80	100
3.5	FE	0.290	0.374	0.529	0.648	0.748	0.917	1.058	1.183	1.296	1.497	1.673

SRD10

P M K N S H

PRAMET

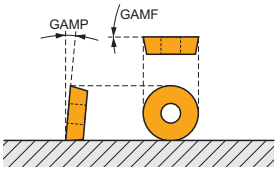
S

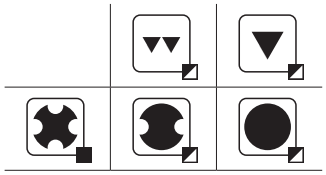


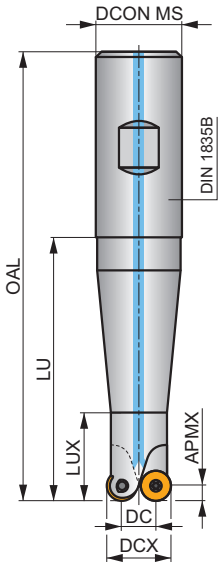
仿形铣削刀盘，使用圆刀片RD.. 10，带内冷

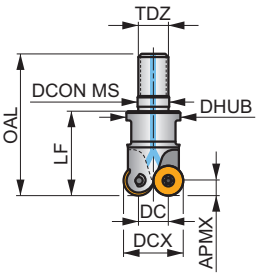
铣刀盘，用于仿形铣削，使用正前角RD.. 10刀片，具有APMX(最大切深)2.5 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和仿形铣削。可提供侧固柄，模块夹紧系统和芯轴式类型，尺寸范围Ø 20至Ø 52 mm。刀体经过处理，使用寿命更长。

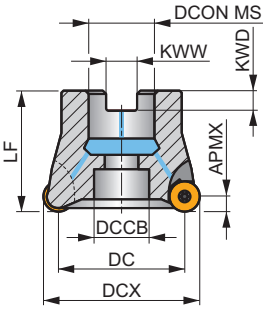
APMX	2.5 mm











h_m 0.065 – 0.19

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DHUB (mm)	DCCB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)	max.		kg		
DIN 1835B	**20E2R040B20-SRD10-CF**	20	10	90	20	–	–	40	20	–	–	–	–	-2	0	2	–	30800	✓	0.17	GI119	C0356
	20E2R060B20-SRD10-CF	20	10	110	20	–	–	60	22	–	–	–	–	-2	0	2	–	30800	✓	0.20	GI119	C0356
	20E2R080B25-SRD10-CF	20	10	136	25	–	–	80	25	–	–	–	–	-2	0	2	–	30800	✓	0.36	GI119	C0356
	20E2R100B25-SRD10-CF	20	10	156	25	–	–	100	25	–	–	–	–	-2	0	2	–	30800	✓	0.41	GI119	C0356
	20E2R120B25-SRD10-CF	20	10	176	25	–	–	120	25	–	–	–	–	-2	0	2	–	30800	✓	0.46	GI119	C0356
MODULAR	**20E2R028M10-SRD10-CF**	20	10	47	10.5	18	–	–	–	28	M10	–	–	-2	0	2	–	30800	✓	0.07	GI119	C0356
	25E2R032M12-SRD10-CF	25	15	54	12.5	21	–	–	–	32	M12	–	–	0.5	0.5	2	–	27500	✓	0.08	GI119	C0356
	25E3R032M12-SRD10-CF	25	15	54	12.5	21	–	–	–	32	M12	–	–	0.5	0.5	3	–	27500	✓	0.08	GI119	C0356
	30E4R042M16-SRD10-CF	30	20	65	17	29	–	–	–	42	M16	–	–	0	0	4	–	25100	✓	0.18	GI119	C0356
	32E4R042M16-SRD10-CF	32	22	65	17	29	–	–	–	42	M16	–	–	0	0	4	–	24300	✓	0.19	GI119	C0356
	35E5R042M16-SRD10-CF	35	25	65	17	29	–	–	–	42	M16	–	–	0	0	5	–	23200	✓	0.20	GI119	C0356
	42E4R042M16-SRD10-CF	42	32	65	17	29	–	–	–	42	M16	–	–	0	0	4	–	21200	✓	0.24	GI119	C0356
	42E5R042M16-SRD10-CF	42	32	65	17	29	–	–	–	42	M16	–	–	0	0	5	–	21200	✓	0.24	GI119	C0356
ISO 6462 DIN 8030	**42A05R-SMORD10-CF**	42	32	–	16	–	14	–	–	40	–	8.4	8.4	0	0	5	–	21200	✓	0.20	GI119	C0358
	52A07R-SMORD10-CF	52	42	–	22	–	18	–	–	40	–	10.4	10.4	0	0	7	–	19100	✓	0.28	GI119	C0360

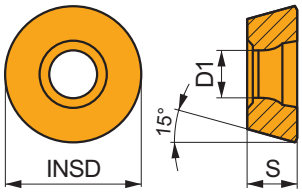
GI119	RD.. 1003M0T	RDHT 1003M0-FA

		Nm					
C0356	US 63507-T15P	3.0	M 3.5	7	Flag T15P	–	–
C0358	US 63507-T15P	3.0	M 3.5	7	D-T08P/T15P	FG-15	HS 0830C
C0360	US 63507-T15P	3.0	M 3.5	7	D-T08P/T15P	FG-15	HS 1030C

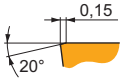
RDHX 10

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
1003	10.0	3.90	3.18



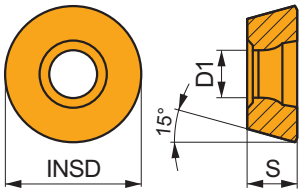
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
RDHX 1003MOT	M4303	–	◪	340	0.15	1.0	–	–	–	■	320	0.15	1.0	–	–	–	–	–	–	■	65	0.15	1.0
	M8310	–	◪	335	0.15	1.0	–	–	–	■	315	0.15	1.0	–	–	–	–	–	–	■	65	0.15	1.0
	M8325	–	◪	250	0.15	1.0	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
	M8330	–	◪	305	0.15	1.0	–	–	–	■	285	0.15	1.0	–	–	–	–	–	–	◪	60	0.15	1.0
	M8345	–	◪	225	0.15	1.0	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–

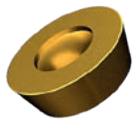
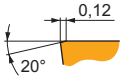
RDMX 10

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
1003	10.0	3.90	3.18



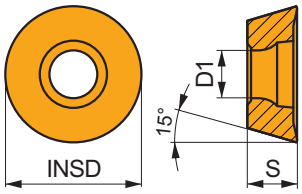
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
RDMX 1003MOT	M8310	–	◪	335	0.15	1.0	–	–	–	■	315	0.15	1.0	–	–	–	–	–	–	■	65	0.15	1.0
	M8325	–	◪	250	0.15	1.0	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
	M8345	–	◪	225	0.15	1.0	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–

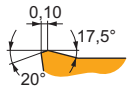
RDGT 10

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
1003	10.0	3.90	3.18



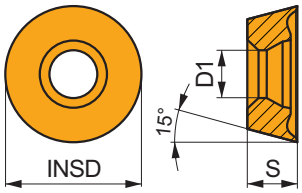
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			正前角设计，适用于精加工。																	
RDGT 1003M0T	**M6330**	–	■ 290	0.15	1.0	■ 205	0.14	1.0	–	–	–	–	–	–	◪ 85	0.12	0.8	–	–	–
	M8310	–	■ 375	0.15	1.0	◪ 190	0.14	1.0	■ 355	0.15	1.0	–	–	–	–	–	–	–	–	–
	M8325	–	■ 280	0.15	1.0	◪ 130	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	–	■ 250	0.15	1.0	■ 150	0.14	1.0	–	–	–	–	–	–	◪ 60	0.12	0.8	–	–	–
	M9340	–	■ 395	0.15	1.0	■ 235	0.14	1.0	–	–	–	–	–	–	◪ 95	0.12	0.8	–	–	–

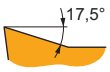
RDHT 10-FA

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
1003	10.0	3.90	3.18

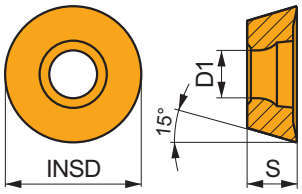


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

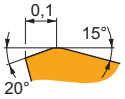
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
RDHT 1003M0-FA	**HF7**	–	–	–	–	–	–	–	–	–	–	■ 390	0.18	1.0	–	–	–	–	–	–

RDMT 10

	INSD	D1	S
	(mm)	(mm)	(mm)
1003	10.0	3.90	3.18

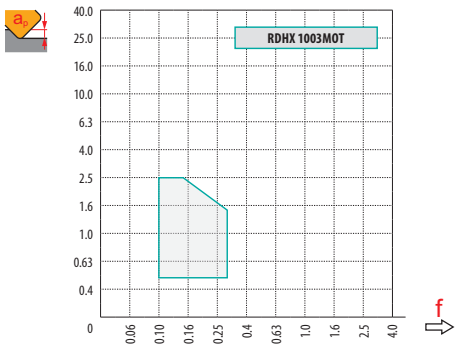


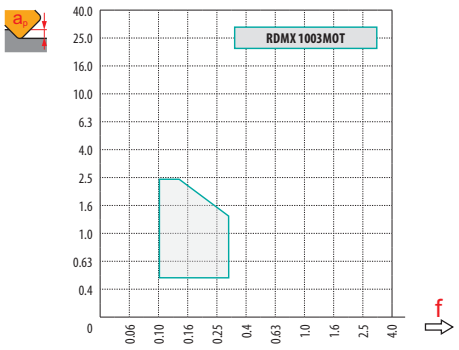
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

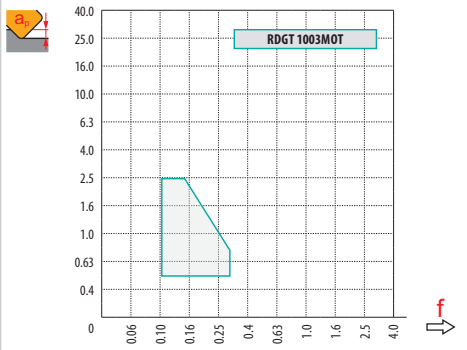
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC S 正前角设计，适用于精加工。																	
RDMT 1003MOT	**M8325**	–	■ 280	0.15	1.0	◪ 130	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	–	■ 250	0.15	1.0	◪ 150	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–

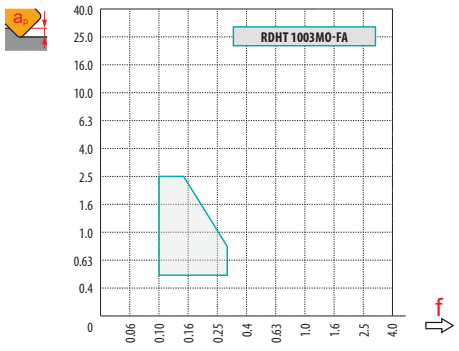
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

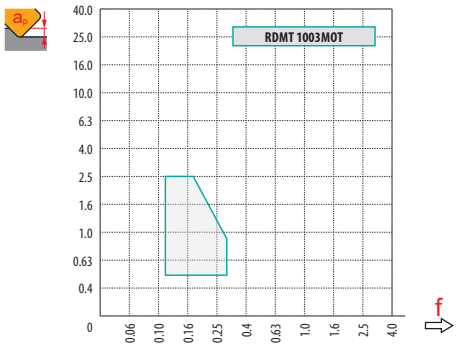
	RDHX 10	RDMX 10	RDGT 10	RDHT 10-FA
RE	5.0	5.0	5.0	5.0
BS	–	–	–	–











DCX	a_p	0.00	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	3.50	4.00	5.00
20	DEF	10.0	14.4	15.3	16.0	16.6	17.1	18.0	18.7	19.2	19.5	19.8	20.0
25		15.0	19.4	20.3	21.0	21.6	22.1	23.0	23.7	24.2	24.5	24.8	25.0
30		20.0	24.4	25.3	26.0	26.6	27.1	28.0	28.7	29.2	29.5	29.8	30.0
32		22.0	26.4	27.3	28.0	28.6	29.1	30.0	30.7	31.2	31.5	31.8	32.0
35		25.0	29.4	30.3	31.0	31.6	32.1	33.0	33.7	34.2	34.5	34.8	35.0
42		32.0	36.4	37.3	38.0	38.6	39.1	40.0	40.7	41.2	41.5	41.8	42.0
52		42.0	46.4	47.3	48.0	48.6	49.1	50.0	50.7	51.2	51.5	51.8	52.0
	a_p	0.00	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	3.50	4.00	5.00
	⇨ f	–	0.54	0.44	0.39	0.35	0.32	0.28	0.25	0.23	0.22	0.21	0.19

DCX	RPMX	APMX/I
20	20	2.5/15
25	12	2.5/25
30	8	2.5/37
32	7.5	2.5/20
35	7	2.5/42
42	4	2.5/37
52	3	2.5/49

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
20	22.0	40.0	2.5	2.5
25	32.0	50.0	2.5	2.5
30	42.0	60.0	2.5	2.5
32	46.0	64.0	2.5	2.5
35	52.0	70.0	2.5	2.5
42	66.0	84.0	2.5	2.5
52	86.0	104.0	2.5	2.5

a_p
2.5

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
20	FE	0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
30		0.600	0.775	1.095	1.342	1.549	1.897	2.191	2.449	2.683	3.098	3.464
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
35		0.648	0.837	1.183	1.449	1.673	2.049	2.366	2.646	2.898	3.347	3.742
42		0.710	0.917	1.296	1.587	1.833	2.245	2.592	2.898	3.175	3.666	4.099
52		0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
RE	µm	**3**	**5**	**10**	**15**	**20**	**30**	**40**	**50**	**60**	**80**	**100**
5.0	FE	0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000

SRD12

P M K N S H

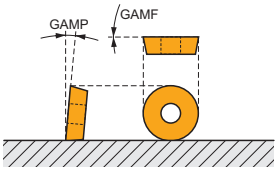
PRAMET

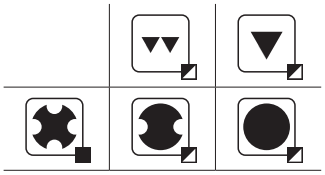
S(C)

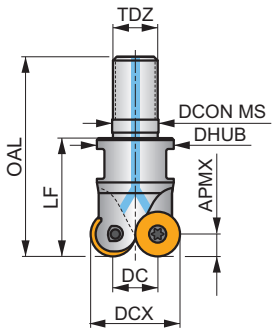
仿形铣削刀盘，使用圆刀片RD.. 12，带内冷

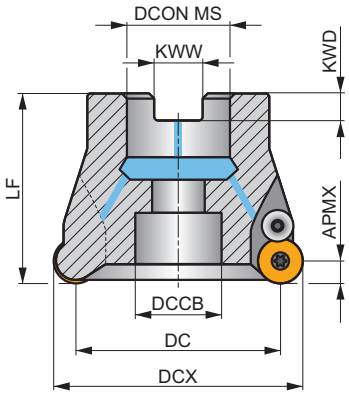
铣刀盘，用于仿形铣削，使用正前角RD..　12刀片，具有APMX(最大切深)3 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和仿形铣削。可提供模块夹紧系统和芯轴式类型，尺寸范围Ø 24至Ø 80 mm。刀体经过处理，使用寿命更长。

APMX	3.0 mm









h_m 0.065 – 0.25

h_m 0.065 – 0.22

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DHUB (mm)	DCCB (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
MODULAR	**24E2R032M12-SRD12-CF**	24	12	54	12.5	21	–	32	M12	–	–	-3	0	2	–	21900	✓	0.07	GI120	C0362
	35E3R042M16-SCRD12-CF	35	23	65	17	29	–	42	M16	–	–	0	0	3	–	18100	✓	0.19	GI120	C0363
	35E4R042M16-SRD12-CF	35	23	65	17	29	–	42	M16	–	–	0	0	4	–	18100	✓	0.20	GI120	C0362
	42E4R042M16-SCRD12-CF	42	30	65	17	29	–	42	M16	–	–	0	0	4	–	16600	✓	0.21	GI120	C0363
	42E5R042M16-SRD12-CF	42	30	65	17	29	–	42	M16	–	–	0	0	5	–	16600	✓	0.22	GI120	C0362
ISO 6462 DIN 8030	**50A05R-SCM0RD12-CF**	50	38	–	22	–	18	50	–	10.4	10.4	2	7	5	–	15200	✓	0.29	GI120	C0366
	52A05R-SCM0RD12-CF	52	40	–	22	–	18	50	–	10.4	10.4	2	7	5	–	14900	✓	0.32	GI120	C0366
	66A06R-SCM0RD12-CF	66	54	–	27	–	22	50	–	12.4	12.4	2	7	6	–	13200	✓	0.54	GI120	C0370
	80A07R-SCM0RD12-CF	80	68	–	27	–	38	52	–	12.4	12.4	2	7	7	–	12000	✓	0.89	GI120	C0372

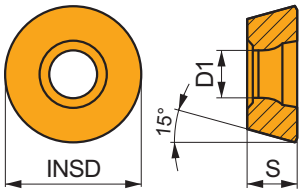
GI120	RD.. 12T3M0T	RDHT 12T3M0-FA

		Nm							
C0362	US 3508-T15P	3.5	M 3.5	8	–	–	Flag T15P	–	–
C0363	US 3508-T15P	3.5	M 3.5	8	–	–	Flag T15P	CS12P	–
C0366	US 3508-T15P	3.5	M 3.5	8	D-T08P/T15P	FG-15	–	CS12P	HS 1030C
C0370	US 3508-T15P	3.5	M 3.5	8	D-T08P/T15P	FG-15	–	CS12P	HS 1230C
C0372	US 3508-T15P	3.5	M 3.5	8	D-T08P/T15P	FG-15	–	CS12P	–

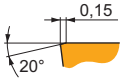
RDHX 12

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
12T3	12.0	3.90	3.97



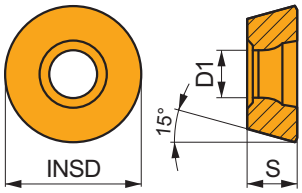
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
RDHX 12T3M0T	M4303	–	◪	300	0.20	1.5	–	–	–	■	285	0.20	1.5	–	–	–	–	–	–	■	60	0.15	1.0
	M8310	–	◪	300	0.20	1.5	–	–	–	■	285	0.20	1.5	–	–	–	–	–	–	■	60	0.15	1.0
	M8325	–	◪	225	0.20	1.5	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
	M8330	–	◪	270	0.20	1.5	–	–	–	■	255	0.20	1.5	–	–	–	–	–	–	◪	50	0.15	1.0
	M8345	–	◪	200	0.20	1.5	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–

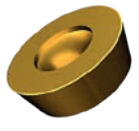
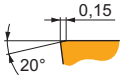
RDMX 12

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
12T3	12.0	3.90	3.97



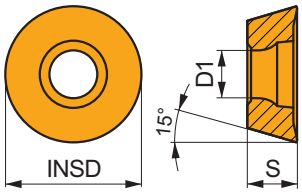
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
RDMX 12T3M0T	M8310	–	◪	300	0.20	1.5	–	–	–	■	285	0.20	1.5	–	–	–	–	–	–	■	60	0.15	1.0
	M8325	–	◪	225	0.20	1.5	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
	M8345	–	◪	200	0.20	1.5	–	–	–		–	–	–	–	–	–	–	–	–		–	–	–

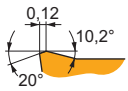
RDGT 12

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
12T3	12.0	3.90	3.97



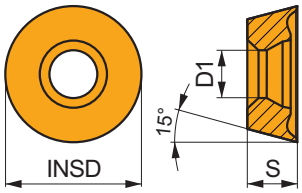
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			正前角设计，适用于精加工。																	
RDGT 12T3M0T	**M6330**	–	■ 260	0.20	1.5	■ 185	0.18	1.5	–	–	–	–	–	–	◪ 75	0.14	1.2	–	–	–
	M8310	–	■ 330	0.20	1.5	◪ 165	0.18	1.5	■ 310	0.20	1.5	–	–	–	–	–	–	–	–	–
	M8325	–	■ 250	0.20	1.5	◪ 120	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	–	■ 225	0.20	1.5	■ 135	0.18	1.5	–	–	–	–	–	–	◪ 55	0.14	1.2	–	–	–
	M9340	–	■ 340	0.20	1.5	■ 200	0.18	1.5	–	–	–	–	–	–	◪ 85	0.14	1.2	–	–	–

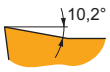
RDHT 12-FA

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
12T3	12.0	3.90	3.97

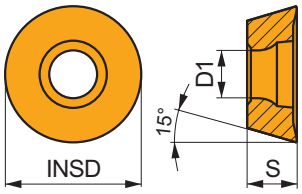


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

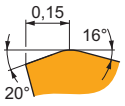
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
RDHT 12T3M0-FA	**HF7**	–	–	–	–	–	–	–	–	–	–	■ 360	0.24	1.5	–	–	–	–	–	–

RDMT 12

	INSD	D1	S
	(mm)	(mm)	(mm)
12T3	12.0	3.90	3.97

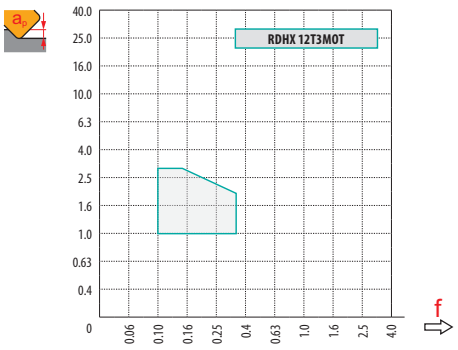


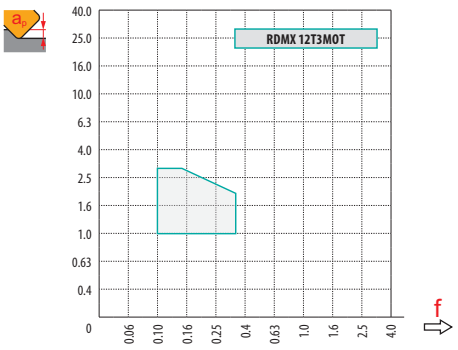
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

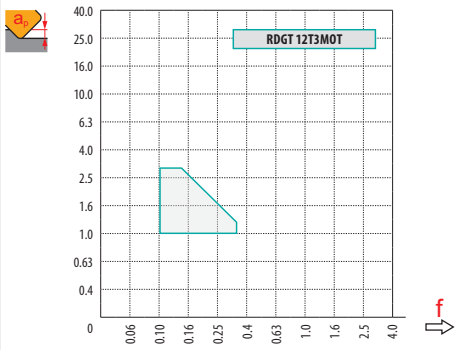
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC S 正前角设计，适用于精加工。																	
RDMT 12T3M0T	**M8325**	–	■ 250	0.20	1.5	◪ 120	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	–	■ 225	0.20	1.5	◪ 135	0.18	1.5	–	–	–	–	–	–	–	–	–	–	–	–

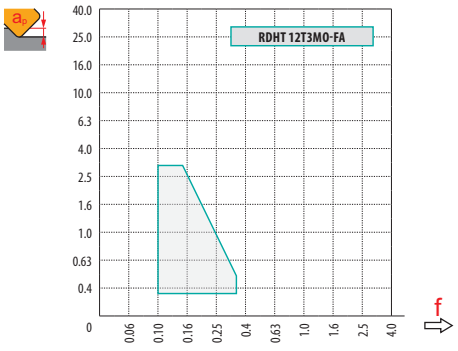
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

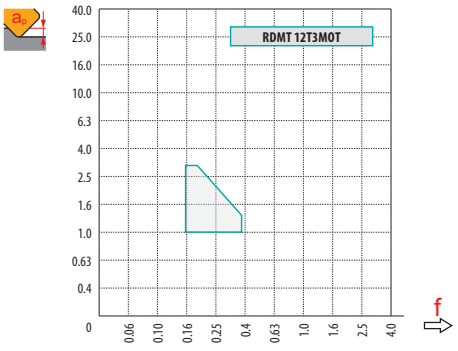
	RDHX 12	RDMX 12	RDGT 12	RDHT 12-FA
RE	6.0	6.0	6.0	6.0
a_p	–	–	–	–











DCX	a_p	0.00	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	3.50	4.00	5.00	6.00
24		12.0	16.8	17.8	18.6	19.3	19.9	20.9	21.7	22.4	22.9	23.3	23.8	24.0
35		23.0	27.8	28.8	29.6	30.3	30.9	31.9	32.7	33.4	33.9	34.3	34.8	35.0
42		30.0	34.8	35.8	36.6	37.3	37.9	38.9	39.7	40.4	40.9	41.3	41.8	42.0
50	DEF	38.0	42.8	43.8	44.6	45.3	45.9	46.9	47.7	48.4	48.9	49.3	49.8	50.0
52		40.0	44.8	45.8	46.6	47.3	47.9	48.9	49.7	50.4	50.9	51.3	51.8	52.0
66		54.0	58.8	59.8	60.6	61.3	61.9	62.9	63.7	64.4	64.9	65.3	65.8	66.0
80		68.0	72.8	73.8	74.6	75.3	75.9	76.9	77.7	78.4	78.9	79.3	79.8	80.0
	a_p	0.00	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	3.50	4.00	5.00	6.00
	⇨ f	–	0.49	0.40	0.35	0.32	0.29	0.25	0.23	0.21	0.20	0.18	0.17	0.16

DCX	RPMX	APMX/l
24	25.0	3.0/14
35	9.0	3.0/39
42	8.0	3.0/44
50	4.0	3.0/87
52	4.0	3.0/87
66	3.0	3.0/100
80	2.2	3.0/100

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
24	26.0	48.0	3.0	3.0
35	46.0	70.0	3.0	3.0
42	62.0	84.0	3.0	3.0
50	78.0	100.0	2.8	2.8
52	82.0	104.0	2.8	2.8
66	110.0	132.0	2.8	2.8
80	136.0	160.0	2.8	2.8

a_p
2.8

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
24	FE	0.537	0.693	0.980	1.200	1.386	1.697	1.960	2.191	2.400	2.771	3.098
35		0.648	0.837	1.183	1.449	1.673	2.049	2.366	2.646	2.898	3.347	3.742
42		0.710	0.917	1.296	1.587	1.833	2.245	2.592	2.898	3.175	3.666	4.099
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
52		0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
RE	µm	3	5	10	15	20	30	40	50	60	80	100
6.0	FE	0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191

SRD16

P M K N S H

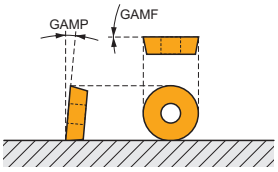
PRAMET

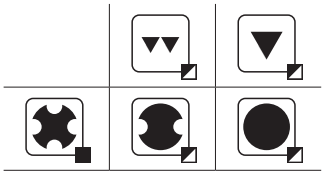
S(C)

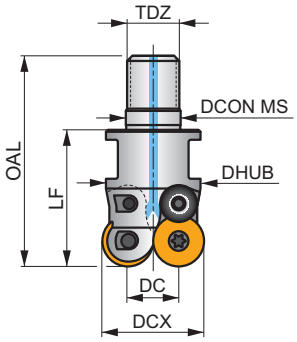
仿形铣削刀盘，使用圆刀片RD.. 16，带内冷

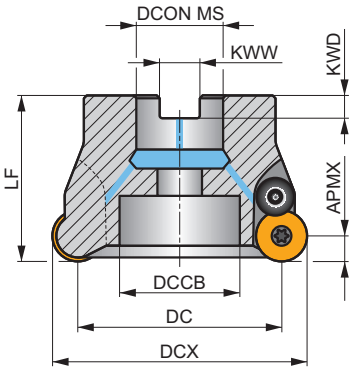
铣刀盘，用于仿形铣削，使用正前角RD..　16刀片，具有APMX(最大切深)4 mm。内冷。适用于面铣，螺旋插补铣，坡走铣，渐进式铣削和仿形铣削。可提供模块夹紧系统和芯轴式类型，尺寸范围Ø 32至Ø 100 mm。刀体经过处理，使用寿命更长。

APMX	4.0 mm









h_m 0.11 – 0.25

h_m 0.1 – 0.2

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DHUB (mm)	DCCB (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
MODULAR	**32E2R042M16-SCRD16-CF**	32	16	65	17	29	–	42	M16	–	–	-2	0	2	–	12600	✓	0.16	GI121	C0374
	52A04R-SCM0RD16-CF	52	36	–	22	–	16.5	50	–	10.4	10.4	0	7	4	–	9900	✓	0.28	GI121	C0376
ISO 6462 DIN 8030	**66A05R-SCM0RD16-CF**	66	50	–	27	–	22	50	–	12.4	12.4	0	7	5	–	8800	✓	0.61	GI121	C0378
	80A06R-SCM0RD16-CF	80	64	–	27	–	38	52	–	12.4	12.4	0	7	6	–	8000	✓	0.75	GI121	C0380
	100A07R-SCM0RD16-CF	100	84	–	32	–	45	52	–	14.4	14.4	0	7	7	–	7100	✓	1.41	GI121	C0380

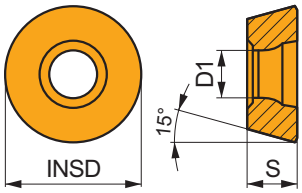
GI121	RD.. 1604M0T	RDHT 1604M0-FA

		Nm						
C0374	US 64510-T20P	4.5	M 4.5	10	–	Flag T20P	CS16P	–
C0376	US 64510-T20P	4.5	M 4.5	10	SDR T20P-T	–	CS16P	HS 1030C
C0378	US 64510-T20P	4.5	M 4.5	10	SDR T20P-T	–	CS16P	HS 1230C
C0380	US 64510-T20P	4.5	M 4.5	10	SDR T20P-T	–	CS16P	–

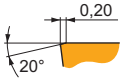
RDHX 16

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
1604	16.0	5.20	4.76



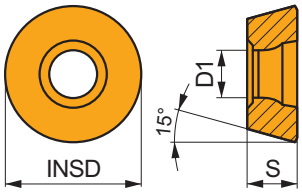
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC T																	
			平板设计，适用于精加工。																	
RDHX 1604M0T	M8310	–	255	0.30	2.0	–	–	–	240	0.30	2.0	–	–	–	–	–	–	50	0.15	1.0
	M8325	–	195	0.30	2.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	245	0.30	2.0	–	–	–	230	0.30	2.0	–	–	–	–	–	–	45	0.15	1.0
	M8345	–	180	0.30	2.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M9325	–	290	0.30	2.0	–	–	–	275	0.30	2.0	–	–	–	–	–	–	55	0.15	1.0

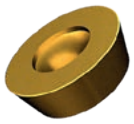
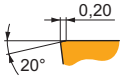
RDMX 16

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
1604	16.0	5.20	4.76



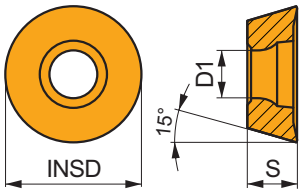
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC T																	
			平板设计，适用于精加工。																	
RDMX 1604M0T	M8310	–	255	0.30	2.0	–	–	–	240	0.30	2.0	–	–	–	–	–	–	50	0.15	1.0
	M8325	–	195	0.30	2.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	–	180	0.30	2.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

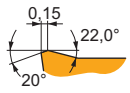
RDGT 16

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
1604	16.0	5.20	4.76



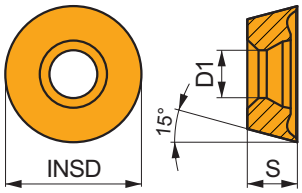
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			正前角设计，适用于精加工。																	
RDGT 1604M0T	**M6330**	–	■ 230	0.30	2.0	■ 165	0.27	2.0	–	–	–	–	–	–	◪ 65	0.21	1.6	–	–	–
	M8310	–	■ 285	0.30	2.0	◪ 145	0.27	2.0	■ 270	0.30	2.0	–	–	–	–	–	–	–	–	–
	M8325	–	■ 220	0.30	2.0	◪ 105	0.27	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	–	■ 200	0.30	2.0	■ 120	0.27	2.0	–	–	–	–	–	–	◪ 50	0.21	1.6	–	–	–
	M9340	–	■ 290	0.30	2.0	■ 170	0.27	2.0	–	–	–	–	–	–	◪ 70	0.21	1.6	–	–	–

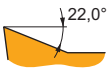
RDHT 16-FA

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
1604	16.0	5.20	4.76

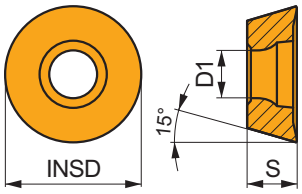


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

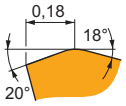
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
RDHT 1604M0-FA	**HF7**	–	–	–	–	–	–	–	–	–	–	■ 315	0.36	2.0	–	–	–	–	–	–

RDMT 16

	INSD	D1	S
	(mm)	(mm)	(mm)
1604	16.0	5.20	4.76

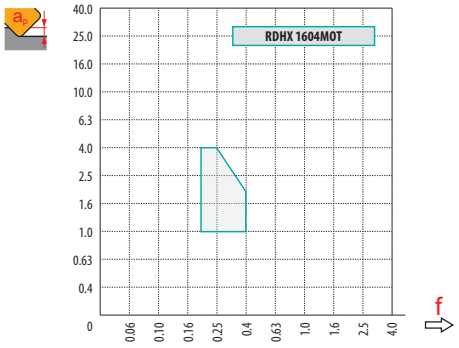


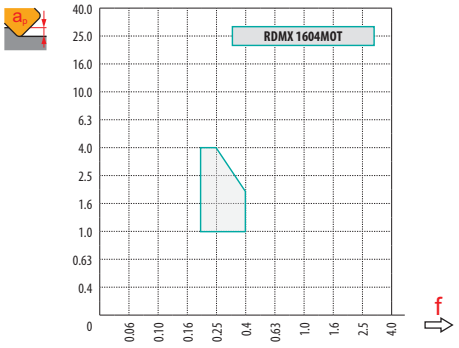
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

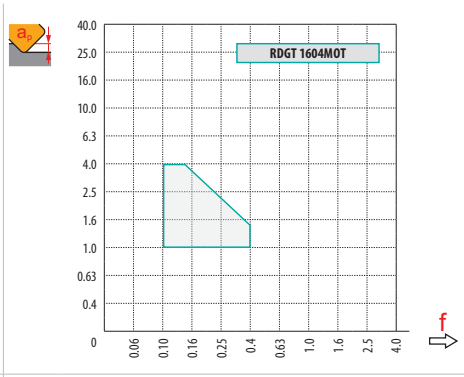
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC S 正前角设计，适用于精加工。																	
RDMT 1604M0T	**M8325**	–	■ 220	0.30	2.0	◪ 105	0.27	2.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	–	■ 200	0.30	2.0	◪ 120	0.27	2.0	–	–	–	–	–	–	–	–	–	–	–	–

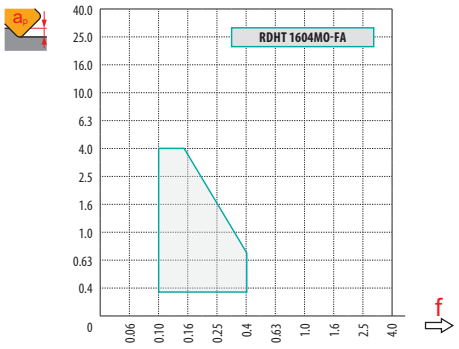
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

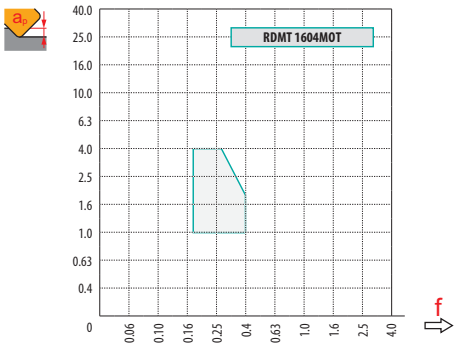
	RDHX 16	RDMX 16	RDGT 16	RDHT 16-FA
RE	8.0	8.0	8.0	8.0
BS	–	–	–	–











DCX	a_p	0.00	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	3.50	4.00	5.00	6.00	7.00	8.00
32	DEF	16.0	21.6	22.8	23.7	24.6	25.3	26.6	27.6	28.5	29.2	29.9	30.8	31.5	31.9	32.0
52		36.0	41.6	42.8	43.7	44.6	45.3	46.6	47.6	48.5	49.2	49.9	50.8	51.5	51.9	52.0
66		50.0	55.6	56.8	57.7	58.6	59.3	60.6	61.6	62.5	63.2	63.9	64.8	65.5	65.9	66.0
80		64.0	69.6	70.8	71.7	72.6	73.3	74.6	75.6	76.5	77.2	77.9	78.8	79.5	79.9	80.0
100		84.0	89.6	90.8	91.7	92.6	93.3	94.6	95.6	96.5	97.2	97.9	98.8	99.5	99.9	100.0
	a_p	0.00	0.50	0.75	1.00	1.25	1.50	2.00	2.50	3.00	3.50	4.00	5.00	6.00	7.00	8.00
	1 f	–	0.91	0.74	0.65	0.58	0.53	0.46	0.42	0.38	0.36	0.34	0.30	0.28	0.26	0.25

DCX	RPMX	APMX/I
32	25.0	4.0/19
52	8.0	4.0/58
66	6.0	4.0/78
80	4.0	4.0/100
100	3.0	4.0/100

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
32	34.0	64.0	4.0	4.0
52	74.0	104.0	4.0	4.0
66	102.0	132.0	4.0	4.0
80	130.0	160.0	4.0	4.0
100	170.0	200.0	4.0	4.0

a_p
4.0

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
32	FE	0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
52		0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
100		1.095	1.414	2.000	2.449	2.828	3.464	4.000	4.472	4.899	5.657	6.325
RE	µm	3	5	10	15	20	30	40	50	60	80	100
8.0	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530

L2-SZP

P M K S H

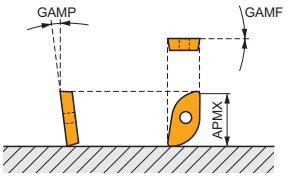
PRAMET

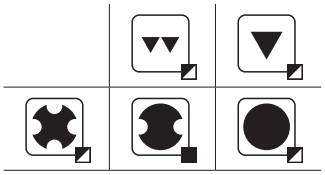
S

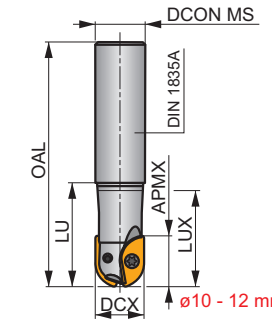
球头仿形铣削刀盘，使用ZP..刀片

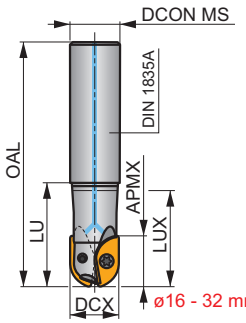
仿形柳叶铣刀铣刀盘，使用ZP..类型刀片，具有APMX(最大切深)从8.9至44.7 mm。适用于轮廓铣削。可提供圆柱柄，侧固柄，莫氏锥柄和模块夹紧系统类型，尺寸范围Ø 10至Ø 50 mm。刀体经过处理，使用寿命更长。

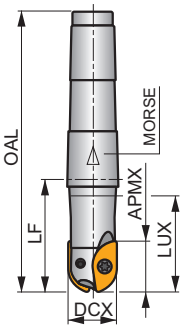
APMX	8.9 – 44.7 mm

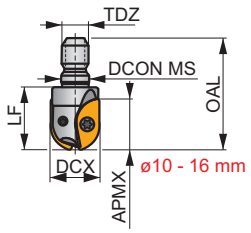


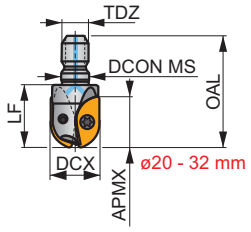


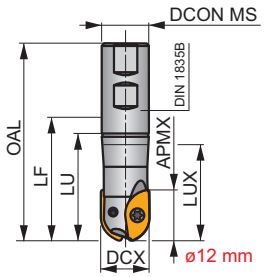


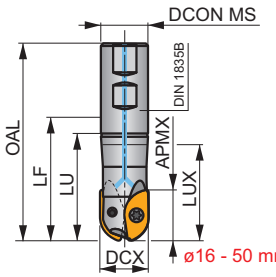












	产品型号	DCX (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	CZC MS	APMX (mm)	GAMF (°)	GAMP (°)			max.		kg		
	10L2R030A10-SZP10	10	130	10	30	30	–	–	–	–	0	-10	2	–	35800	–	0.11	GI255	C0510
	10L2R050A16-SZP10	10	160	16	50	22.3	–	–	–	–	0	-10	2	–	35800	–	0.26	GI255	C0510
	12L2R035A12-SZP12	12	140	12	35	35	–	–	–	–	0	-10	2	–	21000	–	0.15	GI253	C0511
	12L2R045A20-SZP12	12	200	20	–	22	–	–	–	–	0	-10	2	–	21000	–	0.51	GI253	C0511
	16L2R040A16-SZP16-C	16	160	16	40	40	–	–	–	–	0	-10	2	–	20000	✓	0.24	GI256	C0512
DIN 1835A	**16L2R045A20-SZP16-C**	16	200	20	–	29.4	–	–	–	–	0	-10	2	–	20000	✓	1.48	GI256	C0512
	20L2R050A20-SZP20-C	20	250	20	50	–	–	–	–	–	0	-10	2	–	24000	✓	0.56	GI254	C0513
	20L2R055A25-SZP20-C	20	200	25	–	36.1	–	–	–	–	0	-10	2	–	24000	✓	0.68	GI254	C0513
	20L2R055A32-SZP20-C	20	250	32	–	34.5	–	–	–	–	0	-10	2	–	24000	✓	1.34	GI254	C0513
	25L2R060A25-SZP25-C	25	250	25	60	–	–	–	–	–	0	-10	2	–	24000	✓	0.86	GI257	C0514
	25L2R065A32-SZP25-C	25	250	32	–	43	–	–	–	–	0	-10	2	–	24000	✓	1.34	GI257	C0514
	32L2R070A32-SZP32-C	32	250	32	–	–	–	–	–	–	0	-10	2	–	18500	✓	1.43	GI258	C0515
	12L2R040B20-SZP12	12	91	20	40	21.5	66.5	–	–	–	0	-10	2	–	21000	–	0.19	GI253	C0511
	12L2R060B20-SZP12	12	111	20	60	23.8	86.5	–	–	–	0	-10	2	–	21000	–	0.23	GI253	C0511
	16L2R040B20-SZP16-C	16	91	20	40	28.3	66.5	–	–	–	0	-10	2	–	20000	✓	0.15	GI256	C0512
	16L2R060B20-SZP16-C	16	111	20	60	32.9	86.5	–	–	–	0	-10	2	–	20000	✓	0.21	GI256	C0512
	20L2R050B25-SZP20-C	20	107	25	50	35.1	75.5	–	–	–	0	-10	2	–	24000	✓	0.31	GI254	C0513
	20L2R070B25-SZP20-C	20	127	25	70	39.5	95.5	–	–	–	0	-10	2	–	24000	✓	0.36	GI254	C0513
DIN 1835B	**25L2R060B25-SZP25-C**	25	117	25	60	–	85.5	–	–	–	0	-10	2	–	24000	✓	0.36	GI257	C0514
	25L2R080B25-SZP25-C	25	137	25	80	–	105	–	–	–	0	-10	2	–	24000	✓	0.43	GI257	C0514
	32L2R070B32-SZP32-C	32	131	32	70	–	95.5	–	–	–	0	-10	2	–	18500	✓	0.72	GI258	C0515
	32L2R100B32-SZP32-C	32	161	32	100	–	125.5	–	–	–	0	-10	2	–	18500	✓	0.85	GI258	C0515
	40L2R070B32-SZP40-C	40	131	32	70	–	95.5	–	–	–	0	-10	2	–	8000	✓	0.81	GI259	C0516
	40L2R100B40-SZP40-C	40	171	40	100	–	131	–	–	–	0	-10	2	–	8000	✓	1.40	GI259	C0516
	50L2R100B50-SZP50-C	50	181	50	100	–	136.5	–	–	–	0	-10	2	–	7000	✓	2.25	GI260	C0517
DIN 228A	**10L2R050E02-SZP10**	10	114	–	–	21.9	50	–	2	–	0	-10	2	–	35800	–	0.13	GI255	C0510
	12L2R040E02-SZP12	12	104	–	–	22.5	40	–	2	–	0	-10	2	–	21000	–	0.14	GI253	C0511

	产品型号	DCX (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	CZC MS	APMX (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 228A	**12L2R060E02-SZP12**	12	124	–	–	25.8	60	–	2	–	0	-10	2	–	21000	–	0.18	GI253	C0511
	12L2R090E02-SZP12	12	154	–	–	25.8	90	–	2	–	0	-10	2	–	21000	–	0.23	GI253	C0511
	16L2R040E02-SZP16	16	104	–	–	31.3	40	–	2	–	0	-10	2	–	20000	–	0.14	GI256	C0512
	16L2R060E02-SZP16	16	124	–	–	42.2	60	–	2	–	0	-10	2	–	20000	–	0.19	GI256	C0512
	16L2R090E02-SZP16	16	154	–	–	75.9	90	–	2	–	0	-10	2	–	20000	–	0.23	GI256	C0512
	20L2R050E03-SZP20	20	131	–	–	36.6	50	–	3	–	0	-10	2	–	24000	–	0.35	GI254	C0513
	20L2R070E03-SZP20	20	151	–	–	–	70	–	3	–	0	-10	2	–	24000	–	0.39	GI254	C0513
	20L2R100E03-SZP20	20	181	–	–	77.4	100	–	3	–	0	-10	2	–	24000	–	0.42	GI254	C0513
	25L2R080E03-SZP25	25	161	–	–	–	80	–	3	–	0	-10	2	–	24000	–	0.46	GI257	C0514
	25L2R110E04-SZP25	25	213	–	–	92.7	110	–	4	–	0	-10	2	–	24000	–	0.84	GI257	C0514
	32L2R100E04-SZP32	32	203	–	–	–	100	–	4	–	0	-10	2	–	18500	–	0.90	GI258	C0515
	32L2R150E04-SZP32	32	253	–	–	–	150	–	4	–	0	-10	2	–	18500	–	1.10	GI258	C0515
	50L2R100E05-SZP50	50	230	–	–	–	100	–	5	–	0	-10	2	–	7000	–	2.20	GI260	C0517
MODULAR	**10L2R025M08-SZP10**	10	–	8.5	–	–	25	M8	–	–	0	-10	2	–	–	–	0.03	GI255	C0510
	12L2R025M06-SZP12	12	–	6.5	–	–	25	M6	–	–	0	-10	2	–	–	–	0.05	GI253	C0511
	12L2R025M08-SZP12	12	–	8.5	–	–	25	M8	–	–	0	-10	2	–	–	–	0.05	GI253	C0511
	16L2R025M08-SZP16	16	–	8.5	–	–	25	M8	–	–	0	-10	2	–	–	–	0.05	GI256	C0512
	20L2R030M10-SZP20-C	20	–	10.5	–	–	30	M10	–	–	0	-10	2	–	–	✓	0.07	GI254	C0513
	25L2R035M12-SZP25-C	25	–	12.5	–	–	35	M12	–	–	0	-10	2	–	–	✓	0.09	GI257	C0514
	32L2R045M16-SZP32-C	32	–	17	–	–	45	M16	–	–	0	-10	2	–	–	✓	0.15	GI258	C0515

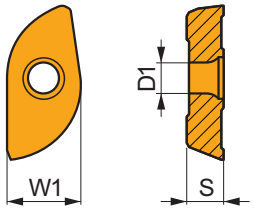
GI253	ZP 12..
GI254	ZP 20..
GI255	ZP 10..
GI256	ZP 16..
GI257	ZP 25..
GI258	ZP 32..
GI259	ZP 40..
GI260	ZP 50..

					Nm			
C0510	–	–	Flag T06P	US 62004-T06P	0.6	M 2	4	–
C0511	–	–	Flag T08P	US 62506-T08P	1.2	M 2.5	6	–
C0512	–	–	Flag T08P	US 62508-T08P	1.2	M 2.5	7	–
C0513	–	–	Flag T10P	US 63510-T10P	2.0	M 3.5	9	–
C0514	–	–	Flag T15P	US 4011A-T15P	3.5	M 4	11	–
C0515	–	–	–	US 65013-T20	5.0	M 5	13	SDR T20
C0516	–	–	–	US 66015-T25P	7.5	M 6	15	SDR T25P
C0517	SZN 400322	US 3508-T15P	Flag T15P	US 68020-T30P	15.0	M 8	20	SDR T30P

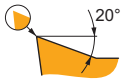
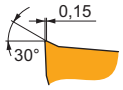
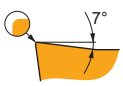
ZP

PRAMET

	W1 (mm)	D1 (mm)	S (mm)
10	10.000	2.20	1.70
12	12.000	2.90	2.38
16	16.000	2.90	3.18
20	20.000	4.00	3.97
25	25.000	4.70	4.76
32	32.000	5.90	6.35
40	40.000	7.00	7.94
50	50.000	9.60	7.94



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			F																	
			F槽型，具有大正前角设计，适用于轻载加工。																	
ZP 20ER-F	**M8310**	–	305	0.27	1.0	155	0.24	1.0	–	–	–	–	–	–	–	–	–	–	–	–
			E																	
			FM槽型，具有锋利中等宽度设计适用于轻载到中等加工。																	
ZP 10ER-FM	**M8310**	–	305	0.36	0.5	–	–	–	285	0.36	0.5	–	–	–	–	–	–	60	0.15	1.0
	M8345	–	210	0.36	0.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZP 12ER-FM	**M8310**	–	300	0.36	0.6	–	–	–	285	0.36	0.6	–	–	–	–	–	–	60	0.15	1.0
	M8345	–	205	0.36	0.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZP 16ER-FM	**M8310**	–	290	0.36	0.8	–	–	–	275	0.36	0.8	–	–	–	–	–	–	55	0.15	1.0
	M8345	–	200	0.36	0.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZP 20ER-FM	**M8310**	–	285	0.36	1.0	–	–	–	270	0.36	1.0	–	–	–	–	–	–	55	0.15	1.0
	M8345	–	195	0.36	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZP 25ER-FM	**M8310**	–	275	0.36	1.3	–	–	–	260	0.36	1.3	–	–	–	–	–	–	55	0.15	1.0
	M8345	–	190	0.36	1.3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ZP 32ER-FM	**M8310**	–	270	0.36	1.6	–	–	–	255	0.36	1.6	–	–	–	–	–	–	50	0.15	1.0
	M8345	–	185	0.36	1.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			1 S																	
			M槽型，具有大正前角设计，适用于中等加工。																	
ZP 12ER-M	**M8330**	–	280	0.36	0.6	165	0.32	0.6	265	0.36	0.6	–	–	–	70	0.25	0.5	–	–	–
	M8340	–	260	0.36	0.6	155	0.32	0.6	245	0.36	0.6	–	–	–	65	0.25	0.5	–	–	–
	M8345	–	205	0.36	0.6	120	0.32	0.6	–	–	–	–	–	–	50	0.25	0.5	–	–	–
ZP 16ER-M	**M8330**	–	270	0.36	0.8	160	0.32	0.8	255	0.36	0.8	–	–	–	65	0.25	0.6	–	–	–
	M8340	–	250	0.36	0.8	150	0.32	0.8	235	0.36	0.8	–	–	–	60	0.25	0.6	–	–	–
	M8345	–	200	0.36	0.8	120	0.32	0.8	–	–	–	–	–	–	50	0.25	0.6	–	–	–
ZP 20ER-M	**M8330**	–	265	0.36	1.0	155	0.32	1.0	250	0.36	1.0	–	–	–	65	0.25	0.8	–	–	–
	M8345	–	195	0.36	1.0	115	0.32	1.0	–	–	–	–	–	–	45	0.25	0.8	–	–	–
ZP 25ER-M	**M8330**	–	260	0.36	1.3	155	0.32	1.3	245	0.36	1.3	–	–	–	65	0.25	1.0	–	–	–
	M8345	–	190	0.36	1.3	110	0.32	1.3	–	–	–	–	–	–	45	0.25	1.0	–	–	–
ZP 32ER-M	**M8330**	–	255	0.36	1.6	150	0.32	1.6	240	0.36	1.6	–	–	–	60	0.25	1.3	–	–	–
	M8345	–	185	0.36	1.6	110	0.32	1.6	–	–	–	–	–	–	45	0.25	1.3	–	–	–
			U E																	
			R槽型，具有锋利很小的正前角设计，适用于轻载到中等加工。																	
ZP 16ER-R	**M8345**	–	190	0.45	0.8	110	0.41	0.8	–	–	–	–	–	–	45	0.32	0.6	–	–	–
ZP 20ER-R	**M8345**	–	185	0.45	1.0	110	0.41	1.0	–	–	–	–	–	–	45	0.32	0.8	–	–	–

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

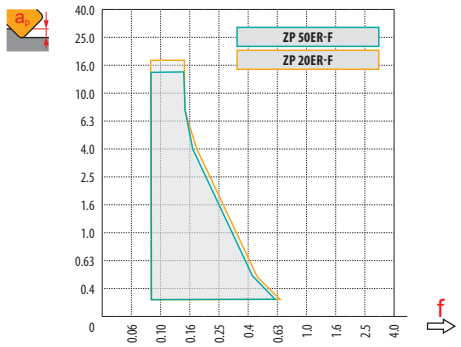
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			U E																	
R槽型，具有锋利很小的正前角设计，适用于轻载到中等加工。																				
ZP 25ER-R	**M8345**	–	■ 180	0.45	1.3	■ 105	0.41	1.3	–	–	–	–	–	–	◪ 45	0.32	1.0	–	–	–
ZP 32ER-R	**M8330**	–	■ 240	0.45	1.6	■ 140	0.41	1.6	◪ 225	0.45	1.6	–	–	–	◪ 60	0.32	1.3	◪ 45	0.15	1.0
	M8345	–	■ 175	0.45	1.6	■ 105	0.41	1.6	–	–	–	–	–	–	◪ 40	0.32	1.3	–	–	–
ZP 40ER-R	**M8345**	–	■ 170	0.45	2.0	■ 100	0.41	2.0	–	–	–	–	–	–	◪ 40	0.32	1.6	–	–	–
ZP 50ER-R	**M8345**	–	■ 165	0.45	2.5	■ 95	0.41	2.5	–	–	–	–	–	–	◪ 40	0.32	2.0	–	–	–

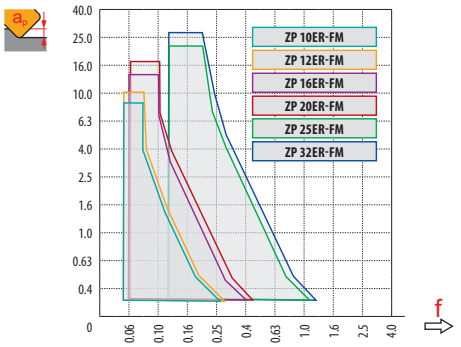
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

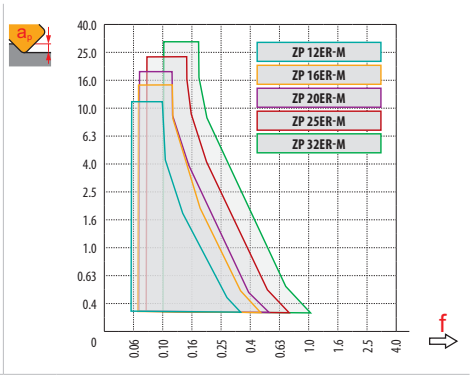
	ZP 20-F	ZP 50-F	ZP 10-FM	ZP 12-FM	ZP 16-FM	ZP 20-FM	ZP 25-FM	ZP 32-FM
RE	10.0	25.0	5.0	6.0	8.0	10.0	12.5	16.0
BS	–	–	–	–	–	–	–	–

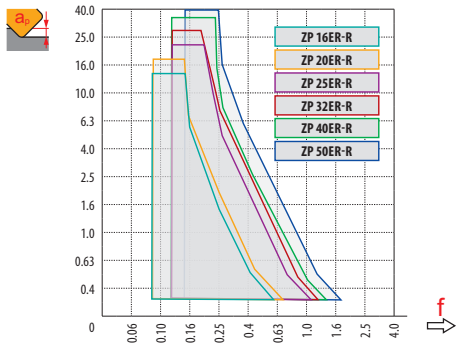
	ZP 12-M	ZP 16-M	ZP 20-M	ZP 25-M	ZP 32-M
RE	6.0	8.0	10.0	12.5	16.0
BS	–	–	–	–	–

	ZP 16-R	ZP 20-R	ZP 25-R	ZP 32-R	ZP 40-R	ZP 50-R
RE	8.0	10.0	12.5	16.0	20.0	25.0
BS	–	–	–	–	–	–

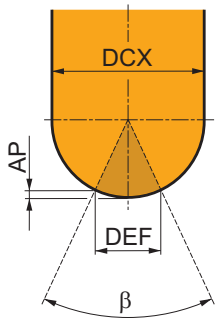








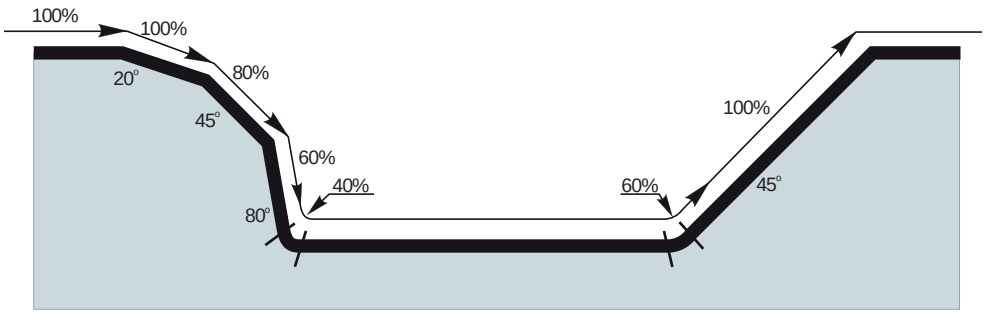
DCX	a_p	0.30	0.40	0.50	0.70	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	6.00	8.00	10.00	12.00	15.00	16.00	20.00	22.50	25.00
10		3.4	3.9	4.4	5.1	6.0	6.6	7.1	8.0	8.7	9.2	9.8	10.0	–	–	–	–	–	–	–	–	–
12		3.7	4.3	4.8	5.6	6.6	7.3	7.9	8.9	9.7	10.4	11.3	11.8	12.0	–	–	–	–	–	–	–	–
16		4.3	5.0	5.6	6.5	7.7	8.6	9.3	10.6	11.6	12.5	13.9	14.8	15.5	16.0	–	–	–	–	–	–	–
20	DEF	4.9	5.6	6.2	7.4	8.7	9.7	10.5	12.0	13.2	14.3	16.0	17.3	18.3	19.6	20.0	–	–	–	–	–	–
25		5.4	6.3	7.0	8.2	9.8	10.9	11.9	13.6	15.0	16.2	18.3	20.0	21.4	23.3	24.5	25.0	–	–	–	–	–
32		6.2	7.1	7.9	9.4	11.1	12.4	13.5	15.5	17.2	18.7	21.2	23.2	25.0	27.7	29.7	31.2	31.9	32.0	–	–	–
40		6.9	8.0	8.9	10.5	12.5	13.9	15.2	17.4	19.4	21.1	24.0	26.5	28.6	32.0	34.6	37.1	38.7	39.2	40.0	–	–
50		7.7	8.9	9.9	11.7	14.0	15.6	17.1	19.6	21.8	23.7	27.1	30.0	32.5	36.7	40.0	43.3	45.8	46.6	49.0	49.7	50.0



DCX		β	DEF	AP
10	FM	41°	3.496	0.322
12	FM	41°	4.194	0.381
16	FM	42°	5.660	0.520
20	FM	42°	7.100	0.650
25	FM	41°	8.756	0.794
35	FM	41°	11.113	0.998
40	R	41°	14.108	1.298
50	R	45°	19.176	1.915

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
10		0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000
12		0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191
16	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25	FE	0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472

DEF	a_e	1 %	2.5 %	5 %	7.5 %	10 %	15 %	20 %	25 %	30 %	35 %	40 %	45 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
	a_p										⇨ x.f									
19.9 %	1.0 %	2.86	1.84	1.33	1.12	1.00	0.89	–	–	–	–	–	–	–	–	–	–	–	–	–
31.2 %	2.5 %	3.58	2.28	1.64	1.36	1.20	1.01	0.92	0.88	0.91	–	–	–	–	–	–	–	–	–	–
43.6 %	5.0 %	4.22	2.68	1.92	1.58	1.39	1.16	1.03	0.95	0.90	0.88	0.89	–	–	–	–	–	–	–	–
52.7 %	7.5 %	4.63	2.95	2.10	1.73	1.51	1.26	1.11	1.02	0.96	0.91	0.89	0.88	0.90	–	–	–	–	–	–
60.0 %	10.0 %	4.94	3.14	2.24	1.84	1.61	1.33	1.18	1.07	1.00	0.95	0.91	0.89	0.88	1.00	–	–	–	–	–
71.4 %	15.0 %	5.39	3.42	2.43	2.00	1.74	1.44	1.27	1.15	1.07	1.01	0.96	0.93	0.90	0.88	0.93	–	–	–	–
80.0 %	20.0 %	5.70	3.62	2.57	2.11	1.84	1.52	1.33	1.21	1.12	1.05	1.00	0.96	0.93	0.89	0.88	0.89	1.00	–	–
86.6 %	25.0 %	5.93	3.76	2.67	2.20	1.91	1.58	1.38	1.25	1.16	1.08	1.03	0.99	0.95	0.90	0.88	0.88	0.89	–	–
91.7 %	30.0 %	6.10	3.87	2.75	2.26	1.96	1.62	1.42	1.28	1.18	1.11	1.05	1.01	0.97	0.92	0.89	0.88	0.88	0.93	–
95.4 %	35.0 %	6.23	3.95	2.80	2.30	2.00	1.65	1.44	1.31	1.20	1.13	1.07	1.02	0.98	0.93	0.89	0.88	0.88	0.90	–
98.0 %	40.0 %	6.31	4.00	2.84	2.33	2.03	1.67	1.46	1.32	1.22	1.14	1.08	1.03	0.99	0.93	0.90	0.89	0.88	0.89	–
99.5%	45.0 %	6.36	4.03	2.86	2.35	2.04	1.68	1.47	1.33	1.23	1.15	1.09	1.04	1.00	0.94	0.90	0.89	0.88	0.88	–
100.0 %	50.0 %	6.38	4.04	2.87	2.35	2.05	1.69	1.48	1.33	1.23	1.15	1.09	1.04	1.00	0.94	0.90	0.89	0.88	0.88	1.00



悬伸(长径比)	< 3.0	3.0 – 3.5	3.6 – 4.0	4.1 – 4.5	> 4.6
速度校正因子	1.0	0.9	0.8	0.7	0.5

K3-CXP

P M K S H

PRAMET

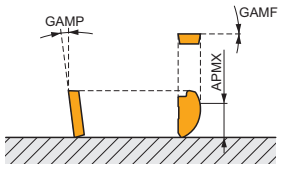
C

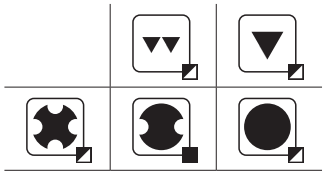
MULTISIDE XP仿形铣削刀盘

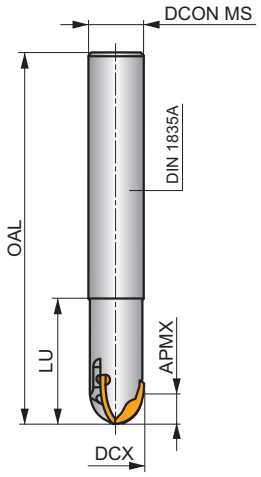
仿形柳叶铣刀铣刀盘，使用XP..类型刀片，具有APMX(最大切深)从8至16 mm。独特的夹紧方式可使用三种刀片。可提供圆柱柄和模块夹紧系统类型，尺寸范围Ø 16至Ø 32 mm。刀体经过处理，使用寿命更长。

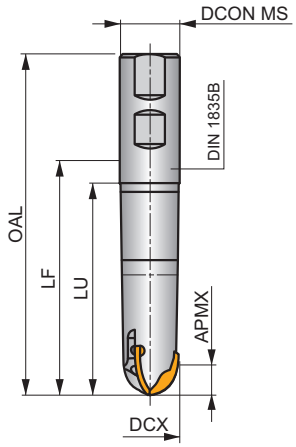
MULTISIDE XP

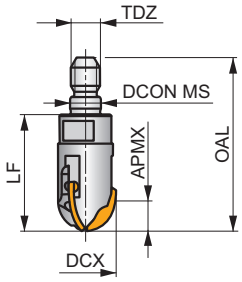
APMX	8.0 – 16.0 mm











h_m 0.05 – 0.19

	产品型号	DCX (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	APMX (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	**16K3R050A16-CXP16**	16	200	16	50	–	–	–	8.00	0	-5	3	–	22600	–	0.36	GI267	C0520
	16K3R050A20-CXP16	16	200	20	50	–	–	–	8.00	0	-5	3	–	22600	–	0.51	GI267	C0520
	20K3R050A20-CXP20	20	200	20	50	–	–	–	10.00	0	-5	3	–	20000	–	0.53	GI268	C0521
	20K3R060A25-CXP20	20	250	25	60	–	–	–	10.00	0	-5	3	–	20000	–	0.92	GI268	C0521
	25K3R060A25-CXP25	25	250	25	60	–	–	–	12.50	0	-5	3	–	20000	–	0.96	GI269	C0522
	32K3R080A32-CXP32	32	250	32	80	–	–	–	16.00	0	-5	3	–	15000	–	1.50	GI270	C0523
DIN 1835B	**16K3R060B20-CXP16**	16	111	20	60	–	86.5	–	8.00	0	-5	3	–	22600	–	0.24	GI267	C0520
	20K3R070B25-CXP20	20	127	25	70	–	95.5	–	10.00	0	-5	3	–	20000	–	0.41	GI268	C0521
	25K3R080B25-CXP25	25	137	25	80	–	105	–	12.50	0	-5	3	–	20000	–	0.49	GI269	C0522
MODULAR	**16K3R035M08-CXP16**	16	–	8.5	–	–	35	M8	8.00	0	-5	3	–	–	–	0.07	GI267	C0520
	16K3R035M10-CXP16	16	–	10.5	–	–	35	M10	8.00	0	-5	3	–	–	–	0.07	GI267	C0520
	20K3R040M10-CXP20	20	–	10.5	–	–	40	M10	10.00	0	-5	3	–	–	–	0.07	GI268	C0521
	25K3R045M12-CXP25	25	–	12.5	–	–	45	M12	12.50	0	-5	3	–	–	–	0.16	GI269	C0522
	32K3R055M16-CXP32	32	–	17	–	–	55	M16	16.00	0	-5	3	–	–	–	0.29	GI270	C0523

GI267	XP 16..
GI268	XP 20..
GI269	XP 25..
GI270	XP 32..

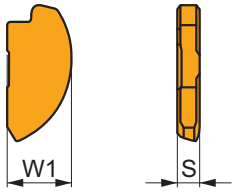
		Nm			
C0520	US 63009-T09P	1.2	M 3	9	Flag T09P
C0521	US 63513-T15P	3.0	M 3.5	12	Flag T15P

		Nm			
C0522	US 64014-T15P	3.5	M 4	14	Flag T15P
C0523	US 65017-T20P	5.0	M 5	17	Flag T20P

XP

PRAMET

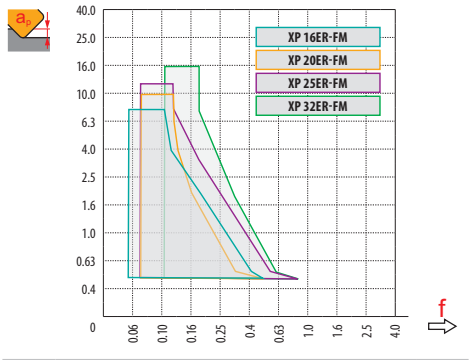
	W1 (mm)	S (mm)
16	16.000	2.00
20	20.000	2.50
25	25.000	3.17
32	32.000	4.00



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

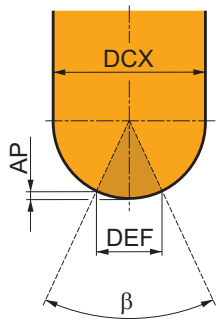
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			U E																	
			FM槽型，具有中等宽度设计，适用于轻载加工。																	
XP 16ER-FM	**M8310**	–	■ 285	0.27	0.8	◪ 145	0.24	0.8	■ 270	0.27	0.8	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	–	■ 265	0.27	0.8	◪ 155	0.24	0.8	■ 250	0.27	0.8	–	–	–	◪ 65	0.19	0.6	◪ 50	0.15	1.0
	M8345	–	■ 195	0.27	0.8	◪ 115	0.24	0.8	–	–	–	–	–	–	◪ 45	0.19	0.6	–	–	–
XP 20ER-FM	**M8310**	–	■ 275	0.27	1.0	◪ 140	0.24	1.0	■ 260	0.27	1.0	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	–	■ 260	0.27	1.0	◪ 155	0.24	1.0	■ 245	0.27	1.0	–	–	–	◪ 65	0.19	0.8	◪ 50	0.15	1.0
	M8345	–	■ 190	0.27	1.0	◪ 110	0.24	1.0	–	–	–	–	–	–	◪ 45	0.19	0.8	–	–	–
XP 25ER-FM	**M8310**	–	■ 270	0.27	1.3	◪ 135	0.24	1.3	■ 255	0.27	1.3	–	–	–	–	–	–	■ 50	0.15	1.0
	M8330	–	■ 250	0.27	1.3	◪ 150	0.24	1.3	■ 235	0.27	1.3	–	–	–	◪ 60	0.19	1.0	◪ 50	0.15	1.0
XP 32ER-FM	**M8310**	–	■ 265	0.27	1.6	◪ 135	0.24	1.6	■ 250	0.27	1.6	–	–	–	–	–	–	■ 50	0.15	1.0
	M8330	–	■ 245	0.27	1.6	◪ 145	0.24	1.6	■ 230	0.27	1.6	–	–	–	◪ 60	0.19	1.3	◪ 45	0.15	1.0
	M8345	–	■ 180	0.27	1.6	◪ 105	0.24	1.6	–	–	–	–	–	–	◪ 45	0.19	1.3	–	–	–

	XP 16-FM	XP 20-FM	XP 25-FM	XP 32-FM
RE	8.0	10.0	12.5	16.0
BS	–	–	–	–



DCX	a_p	0.3	0.4	0.5	0.7	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0	15.0	16.0	20.0	22.5	25.0
16	DEF	4.3	5.0	5.6	6.5	7.7	8.6	9.3	10.6	11.6	12.5	13.9	14.8	15.5	16.0	–	–	–	–	–	–	–
20		4.9	5.6	6.2	7.4	8.7	9.7	10.5	12.0	13.2	14.3	16.0	17.3	18.3	19.6	20.0	–	–	–	–	–	–
25		5.4	6.3	7.0	8.2	9.8	10.9	11.9	13.6	15.0	16.2	18.3	20.0	21.4	23.3	24.5	25.0	–	–	–	–	–
32		6.2	7.1	7.9	9.4	11.1	12.4	13.5	15.5	17.2	18.7	21.2	23.2	25.0	27.7	29.7	31.2	31.9	–	–	–	–

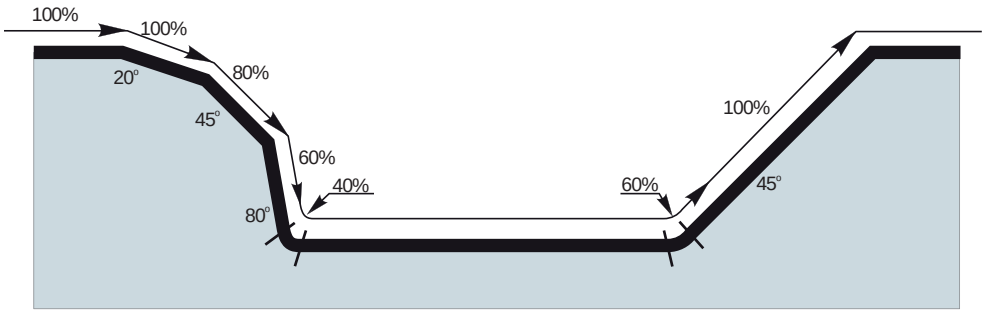
切削刃有效范围.



DCX	β	DEF	AP
16	41°	5.568	0.51
20	37°	6.314	0.52
25	37°	7.901	0.65
32	37°	10.122	0.83

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
16	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25	FE	0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578

DEF	a_e	1.0 %	2.5 %	5.0 %	7.5 %	10 %	15 %	20 %	25 %	30 %	35 %	40 %	45 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
	a_p										⇨x.f									
19.9 %	1.0 %	2.86	1.84	1.33	1.12	1.00	0.89	–	–	–	–	–	–	–	–	–	–	–	–	–
31.2 %	2.5 %	3.58	2.28	1.64	1.36	1.20	1.01	0.92	0.88	0.91	–	–	–	–	–	–	–	–	–	–
43.6 %	5.0 %	4.22	2.68	1.92	1.58	1.39	1.16	1.03	0.95	0.90	0.88	0.89	–	–	–	–	–	–	–	–
52.7 %	7.5 %	4.63	2.95	2.10	1.73	1.51	1.26	1.11	1.02	0.96	0.91	0.89	0.88	0.90	–	–	–	–	–	–
60.0 %	10.0 %	4.94	3.14	2.24	1.84	1.61	1.33	1.18	1.07	1.00	0.95	0.91	0.89	0.88	1.00	–	–	–	–	–
71.4 %	15.0 %	5.39	3.42	2.43	2.00	1.74	1.44	1.27	1.15	1.07	1.01	0.96	0.93	0.90	0.88	0.93	–	–	–	–
80.0 %	20.0 %	5.70	3.62	2.57	2.11	1.84	1.52	1.33	1.21	1.12	1.05	1.00	0.96	0.93	0.89	0.88	0.89	1.00	–	–
86.6 %	25.0 %	5.93	3.76	2.67	2.20	1.91	1.58	1.38	1.25	1.16	1.08	1.03	0.99	0.95	0.90	0.88	0.88	0.89	–	–
91.7 %	30.0 %	6.10	3.87	2.75	2.26	1.96	1.62	1.42	1.28	1.18	1.11	1.05	1.01	0.97	0.92	0.89	0.88	0.88	0.93	–
95.4 %	35.0 %	6.23	3.95	2.80	2.30	2.00	1.65	1.44	1.31	1.20	1.13	1.07	1.02	0.98	0.93	0.89	0.88	0.88	0.90	–
98.0 %	40.0 %	6.31	4.00	2.84	2.33	2.03	1.67	1.46	1.32	1.22	1.14	1.08	1.03	0.99	0.93	0.90	0.89	0.88	0.89	–
99.5 %	45.0 %	6.36	4.03	2.86	2.35	2.04	1.68	1.47	1.33	1.23	1.15	1.09	1.04	1.00	0.94	0.90	0.89	0.88	0.88	–
100.0 %	50.0 %	6.38	4.04	2.87	2.35	2.05	1.69	1.48	1.33	1.23	1.15	1.09	1.04	1.00	0.94	0.90	0.89	0.88	0.88	1.00



悬伸(长径比)	< 3.0	3.1 – 4.0	4.1 – 6.0	> 6.1
速度校正因子	1.0	0.9	0.7	0.5

K2-SRC

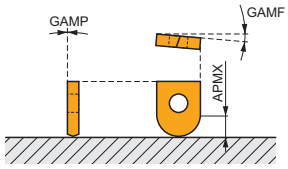
P M K H

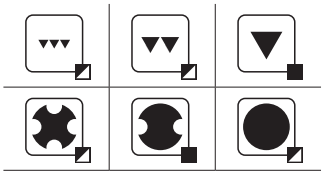
PRAMET S

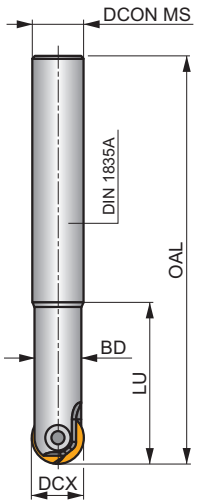
仿形和轮廓立铣刀

灵活的方肩铣刀适用于各种模具。Onetoolsolutionforball-nosed和t或oidal刀片。可提供圆柱柄和模块夹紧系统类型，尺寸范围Ø 8至Ø 32 mm。刀体经过处理，使用寿命更长。

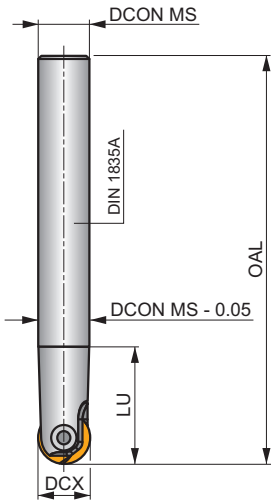
APMX	0.6 – 3.2 mm



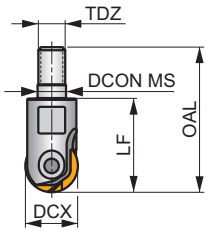




DCX 8 – 32 mm



DCX 8 – 20 mm



h_m 0.07 – 0.14

	产品型号	DCX (mm)	OAL (mm)	DCON MS (mm)	BD (mm)	LU (mm)	LF (mm)	TDZ			max.		kg		
DIN 1835A	08K2R025A10-SRC08-A	8	110	10	7.5	25	–	–	2	–	56000	–	0.09	GI030	C0530
	08K2R050A12-SRC08-A	8	140	12	–	13.5	–	–	2	–	56000	–	0.11	GI030	C0530
	10K2R030A12-SRC10-A	10	130	12	9	30	–	–	2	–	42000	–	0.11	GI031	C0531
	10K2R060A16-SRC10-A	10	150	16	–	19.5	–	–	2	–	42000	–	0.18	GI031	C0531
	12K2R030A12-SRC12-A	12	130	12	10.5	30	–	–	2	–	35000	–	0.11	GI032	C0532
	16K2R035A16-SRC16-A	16	140	16	14	35	–	–	2	–	22000	–	0.23	GI033	C0533
	20K2R045A20-SRC20-A	20	160	20	18	45	–	–	2	–	16000	–	0.40	GI034	C0534
	25K2R045A25-SRC25-A	25	160	25	22.4	45	–	–	2	–	10000	–	0.59	GI035	C0535
	32K2R060A32-SRC32-A	32	180	32	28.6	60	–	–	2	–	6000	–	1.10	GI036	C0536
	12K2R060A16-SRC12-A	12	160	16	–	24.5	–	–	2	–	35000	–	0.14	GI032	C0532
	16K2R065A20-SRC16-A	16	175	20	–	31.5	–	–	2	–	22000	–	0.41	GI033	C0533
	20K2R080A25-SRC20-A	20	190	25	–	33.5	–	–	2	–	16000	–	0.66	GI034	C0534
MODULAR	08K2R30M06-SRC08-A	8	45	6.5	–	–	30	M6	2	–	–	–	0.02	GI123	C0530
	10K2R30M06-SRC10-A	10	45	6.5	–	–	30	M6	2	–	–	–	0.03	GI124	C0531
	12K2R30M06-SRC12-A	12	45	6.5	–	–	30	M6	2	–	–	–	0.16	GI125	C0530
	12K2R30M08-SRC12-A	12	48	8.5	–	–	30	M8	2	–	–	–	0.04	GI125	C0532
	16K2R35M08-SRC16-A	16	53	8.5	–	–	35	M8	2	–	–	–	0.05	GI033	C0533
	20K2R35M10-SRC20-A	20	54	10.5	–	–	35	M10	2	–	–	–	0.08	GI034	C0534

GI030	RC 08	RC 08-F	LC 08-KP	LC 08-KPF	–	–
GI031	RC 10	RC 10-F	LC 10-KP	LC 10-KPF	–	–
GI032	RC 12	RC 12-F	–	–	LC 12..-CH	LC 12..-RE
GI033	RC 16	RC 16-F	–	–	–	–
GI034	RC 20	RC 20-F	–	–	–	–
GI035	RC 25	RC 25-F	–	–	–	–

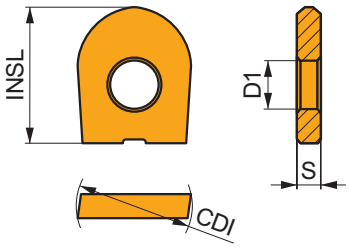
GI036	RC 32	RC 32-F	–	–	–	–
GI123	RC 08	RC 08-F	–	–	–	–
GI124	RC 10	RC 10-F	–	–	–	–
GI125	RC 12	RC 12-F	–	–	–	–

		Nm						
C0530	CS 3007-T08P	1.2	M 3	7	–	–	–	Flag T08P
C0531	CS 4008-T15P	3.0	M 4	8	–	D-T08P/T15P	FG-15	–
C0532	CS 5009-T20P	5.0	M 5	9	SDR T20P	–	–	–
C0533	CS 5013-T20P	5.0	M 5	13	SDR T20P	–	–	–
C0534	CS 5015-T20P	5.0	M 5	15	SDR T20P	–	–	–
C0535	CS 6020-T20P	7.5	M 6	20	SDR T20P	–	–	–
C0536	CS 8025-T30P	15.0	M 8	25	SDR T30P	–	–	–

RC

PRAMET

	CDI (mm)	D1 (mm)	INSL (mm)	S (mm)
08	8.0	3.00	9.5	2.00
10	10.0	4.00	11.5	2.50
12	12.0	5.00	12.0	2.50
16	16.0	5.00	14.0	3.00
20	20.0	5.00	16.0	3.00
25	25.0	6.00	21.5	4.00
32	32.0	8.00	25.8	5.00



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			U E																	
中等宽度的表面具有一个正前角切削刃设计。																				
RC 08	**M4310**	–	◪ 255	0.36	0.4	–	–	–	■ 240	0.36	0.4	–	–	–	–	–	–	■ 50	0.15	1.0
	M8310	–	◪ 295	0.36	0.4	–	–	–	■ 280	0.36	0.4	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	–	◪ 275	0.36	0.4	–	–	–	■ 260	0.36	0.4	–	–	–	–	–	–	◪ 55	0.15	1.0
RC 10	**M4310**	–	◪ 250	0.36	0.5	–	–	–	■ 235	0.36	0.5	–	–	–	–	–	–	■ 50	0.15	1.0
	M8310	–	◪ 290	0.36	0.5	–	–	–	■ 275	0.36	0.5	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	–	◪ 270	0.36	0.5	–	–	–	■ 255	0.36	0.5	–	–	–	–	–	–	◪ 50	0.15	1.0
RC 12	**M4310**	–	◪ 245	0.36	0.6	–	–	–	■ 230	0.36	0.6	–	–	–	–	–	–	■ 45	0.15	1.0
	M8310	–	■ 285	0.36	0.6	–	–	–	■ 270	0.36	0.6	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	–	■ 265	0.36	0.6	–	–	–	■ 250	0.36	0.6	–	–	–	–	–	–	◪ 50	0.15	1.0
RC 16	**M4310**	–	◪ 235	0.36	0.8	–	–	–	■ 220	0.36	0.8	–	–	–	–	–	–	■ 45	0.15	1.0
	M8310	–	■ 275	0.36	0.8	–	–	–	■ 260	0.36	0.8	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	–	■ 255	0.36	0.8	–	–	–	■ 240	0.36	0.8	–	–	–	–	–	–	◪ 50	0.15	1.0
RC 20	**M4310**	–	◪ 235	0.36	1.0	–	–	–	■ 220	0.36	1.0	–	–	–	–	–	–	■ 45	0.15	1.0
	M8310	–	■ 270	0.36	1.0	–	–	–	■ 255	0.36	1.0	–	–	–	–	–	–	■ 50	0.15	1.0
	M8330	–	■ 250	0.36	1.0	–	–	–	■ 235	0.36	1.0	–	–	–	–	–	–	◪ 50	0.15	1.0
RC 25	**M4310**	–	◪ 225	0.36	1.3	–	–	–	■ 210	0.36	1.3	–	–	–	–	–	–	■ 45	0.15	1.0
	M8310	–	■ 260	0.36	1.3	–	–	–	■ 245	0.36	1.3	–	–	–	–	–	–	■ 50	0.15	1.0
	M8330	–	■ 245	0.36	1.3	–	–	–	■ 230	0.36	1.3	–	–	–	–	–	–	◪ 45	0.15	1.0
RC 32	**M4310**	–	◪ 220	0.36	1.6	–	–	–	■ 205	0.36	1.6	–	–	–	–	–	–	■ 40	0.15	1.0
	M8330	–	■ 240	0.36	1.6	–	–	–	■ 225	0.36	1.6	–	–	–	–	–	–	◪ 45	0.15	1.0

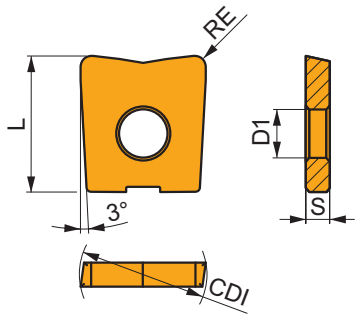
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
		(mm)																		
			F																	
			F槽型锋利，适用于精加工。																	
RC 08-F	**M4310**	–	255	0.36	0.4	130	0.32	0.4	240	0.36	0.4	–	–	–	–	–	–	50	0.15	1.0
RC 10-F	**M4310**	–	250	0.36	0.5	125	0.32	0.5	235	0.36	0.5	–	–	–	–	–	–	50	0.15	1.0
RC 12-F	**M4310**	–	245	0.36	0.6	120	0.32	0.6	230	0.36	0.6	–	–	–	–	–	–	45	0.15	1.0
RC 16-F	**M4310**	–	235	0.36	0.8	115	0.32	0.8	220	0.36	0.8	–	–	–	–	–	–	45	0.15	1.0
	M8330	–	255	0.36	0.8	150	0.32	0.8	240	0.36	0.8	–	–	–	–	–	–	50	0.15	1.0
RC 20-F	**M4310**	–	235	0.36	1.0	115	0.32	1.0	220	0.36	1.0	–	–	–	–	–	–	45	0.15	1.0
	M8330	–	250	0.36	1.0	150	0.32	1.0	235	0.36	1.0	–	–	–	–	–	–	50	0.15	1.0

LC

PRAMET

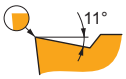
	CDI (mm)	D1 (mm)	L (mm)	S (mm)
08	8.0	3.00	9.50	2.00
10	10.0	4.00	11.50	2.50
12	12.0	5.00	14.00	2.50
16	16.0	5.00	16.00	3.00
20	20.0	5.00	18.00	3.00



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
		(mm)																		
			U E																	
			KP槽型，具有平板设计适用于轻载到中等加工。																	
LC 0806-KP	**M4310**	0.6	280	0.16	0.3	–	–	–	265	0.16	0.3	–	–	–	–	–	–	55	0.15	1.0
	M8310	0.6	325	0.16	0.3	–	–	–	305	0.16	0.3	–	–	–	–	–	–	65	0.15	1.0
	M8330	0.6	295	0.16	0.3	–	–	–	280	0.16	0.3	–	–	–	–	–	–	55	0.15	1.0
LC 0810-KP	**M4310**	1.0	280	0.16	0.5	–	–	–	265	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
	M8310	1.0	325	0.16	0.5	–	–	–	305	0.16	0.5	–	–	–	–	–	–	65	0.15	1.0
LC 1008-KP	**M4310**	0.8	270	0.16	0.4	–	–	–	255	0.16	0.4	–	–	–	–	–	–	50	0.15	1.0
	M8310	0.8	315	0.16	0.4	–	–	–	295	0.16	0.4	–	–	–	–	–	–	60	0.15	1.0
	M8330	0.8	290	0.16	0.4	–	–	–	275	0.16	0.4	–	–	–	–	–	–	55	0.15	1.0
LC 1010-KP	**M4310**	1.0	280	0.16	0.5	–	–	–	265	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
	M8310	1.0	325	0.16	0.5	–	–	–	305	0.16	0.5	–	–	–	–	–	–	65	0.15	1.0
	M8330	1.0	295	0.16	0.5	–	–	–	280	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
LC 1210-KP	**M4310**	1.0	280	0.16	0.5	–	–	–	265	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
	M8310	1.0	325	0.16	0.5	–	–	–	305	0.16	0.5	–	–	–	–	–	–	65	0.15	1.0
	M8330	1.0	295	0.16	0.5	–	–	–	280	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
LC 1220-KP	**M4310**	2.0	285	0.16	1.0	–	–	–	270	0.16	1.0	–	–	–	–	–	–	55	0.15	1.0
LC 1610-KP	**M4310**	1.0	280	0.16	0.5	–	–	–	265	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
	M8310	1.0	325	0.16	0.5	–	–	–	305	0.16	0.5	–	–	–	–	–	–	65	0.15	1.0
	M8330	1.0	295	0.16	0.5	–	–	–	280	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
LC 1613-KP	**M4310**	1.3	270	0.16	0.7	–	–	–	255	0.16	0.7	–	–	–	–	–	–	50	0.15	1.0
	M8310	1.3	315	0.16	0.7	–	–	–	295	0.16	0.7	–	–	–	–	–	–	60	0.15	1.0
LC 1630-KP	**M4310**	3.0	270	0.16	1.5	–	–	–	255	0.16	1.5	–	–	–	–	–	–	50	0.15	1.0
LC 2010-KP	**M4310**	1.0	280	0.16	0.5	–	–	–	265	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
	M8310	1.0	325	0.16	0.5	–	–	–	305	0.16	0.5	–	–	–	–	–	–	65	0.15	1.0
	M8330	1.0	295	0.16	0.5	–	–	–	280	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0

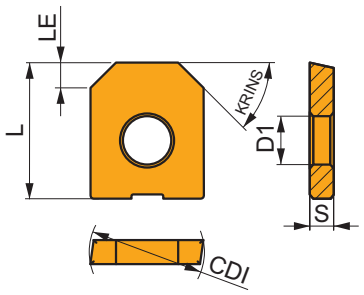
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
			U E																	
KP槽型，具有平板设计适用于轻载到中等加工。																				
LC 2016-KP	M4310	1.6	280	0.16	0.8	–	–	–	265	0.16	0.8	–	–	–	–	–	–	55	0.15	1.0
	M8310	1.6	325	0.16	0.8	–	–	–	305	0.16	0.8	–	–	–	–	–	–	65	0.15	1.0
LC 2040-KP	M8330	4.0	285	0.16	2.0	–	–	–	270	0.16	2.0	–	–	–	–	–	–	55	0.15	1.0
																				
			F																	
KPF槽型，具有前角设计，适用于轻载到中等加工。																				
LC 0806-KPF	M4310	0.6	280	0.16	0.3	140	0.14	0.3	265	0.16	0.3	–	–	–	–	–	–	55	0.15	1.0
LC 1008-KPF	M4310	0.8	270	0.16	0.4	135	0.14	0.4	255	0.16	0.4	–	–	–	–	–	–	50	0.15	1.0
LC 1210-KPF	M4310	1.0	280	0.16	0.5	140	0.14	0.5	265	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
	M8330	1.0	295	0.16	0.5	175	0.14	0.5	280	0.16	0.5	–	–	–	–	–	–	55	0.15	1.0
LC 1613-KPF	M4310	1.3	270	0.16	0.7	135	0.14	0.7	255	0.16	0.7	–	–	–	–	–	–	50	0.15	1.0
LC 2016-KPF	M4310	1.6	280	0.16	0.8	140	0.14	0.8	265	0.16	0.8	–	–	–	–	–	–	55	0.15	1.0

LC 12-CH

PRAMET

	CDI (mm)	D1 (mm)	L (mm)	S (mm)
1245	12.0	5.00	14.00	2.50

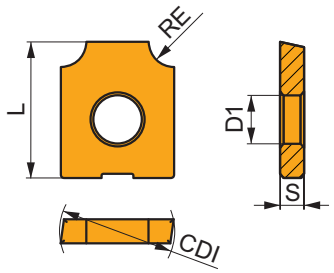


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

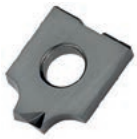
产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
			U E																	
CH槽型，具有平板设计适用于轻载到中等加工。																				
LC 1245-CH	M4310	–	225	0.20	2.0	–	–	–	210	0.20	2.0	–	–	–	–	–	–	45	0.15	1.0

LC 12-RE

	CDI	D1	L	S
	(mm)	(mm)	(mm)	(mm)
12	12.0	5.00	14.00	2.50



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

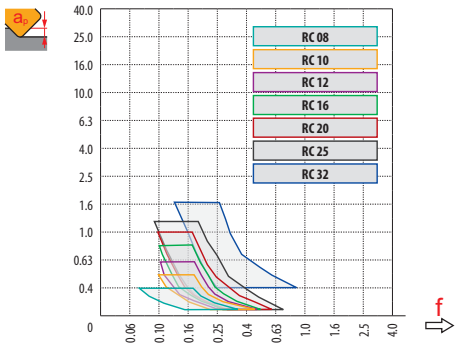
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			U E																	
RE槽型，具有平板设计适用于轻载到中等加工。																				
LC 1220-RE	**M4310**	2.0	◪ 295	0.10	2.0	–	–	–	■ 280	0.10	2.0	–	–	–	–	–	–	■ 55	0.15	1.0
LC 1230-RE	**M4310**	3.0	◪ 285	0.10	3.0	–	–	–	■ 270	0.10	3.0	–	–	–	–	–	–	■ 55	0.15	1.0

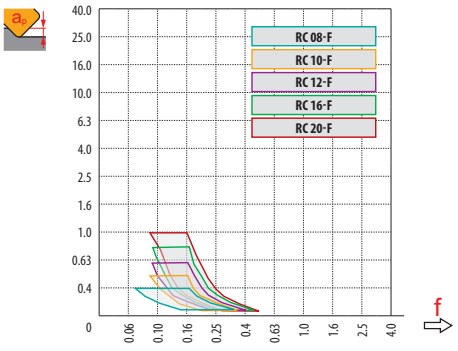
	RC 08	RC 10	RC 12	RC 16	RC 20	RC 25	RC 32
RE	4.0	5.0	6.0	8.0	10.0	12.5	16.0
BS	–	–	–	–	–	–	–

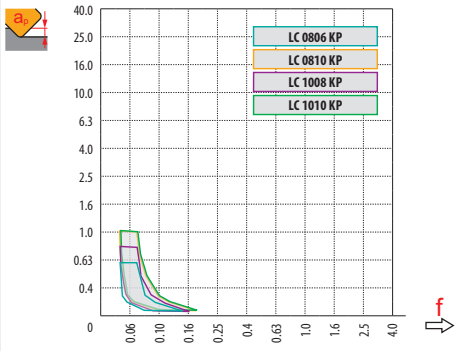
	RC 08-F	RC 10-F	RC 12-F	RC 16-F	RC 20-F
RE	4.0	5.0	6.0	8.0	10.0
BS	–	–	–	–	–

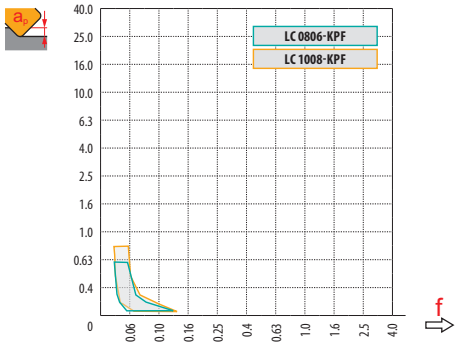
	LC 08-KP	LC 08-KP	LC 10-KP	LC 10-KP	LC 08-KPF	LC 10-KPF
RE	0.6	1.0	0.8	1.0	0.6	0.8
BS	–	–	–	–	–	–

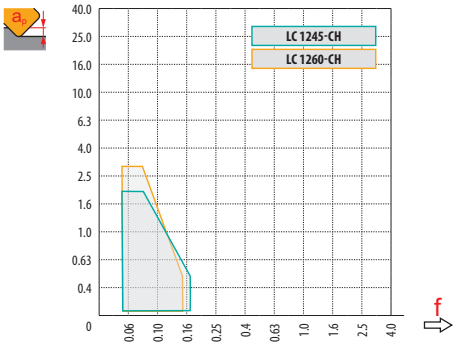
	LC 1245-CH	LC 1260-CH	LC 1210-RE	LC 1220-RE	LC 1230-RE
RE	3×45	5×60	1.0	2.0	3.0
BS	–	–	–	–	–

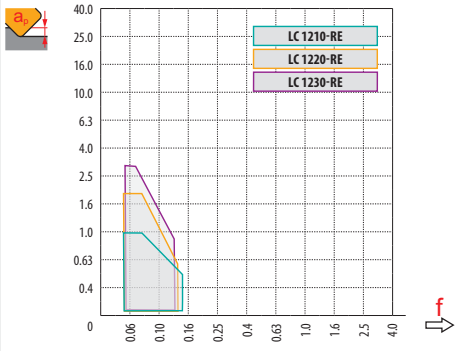








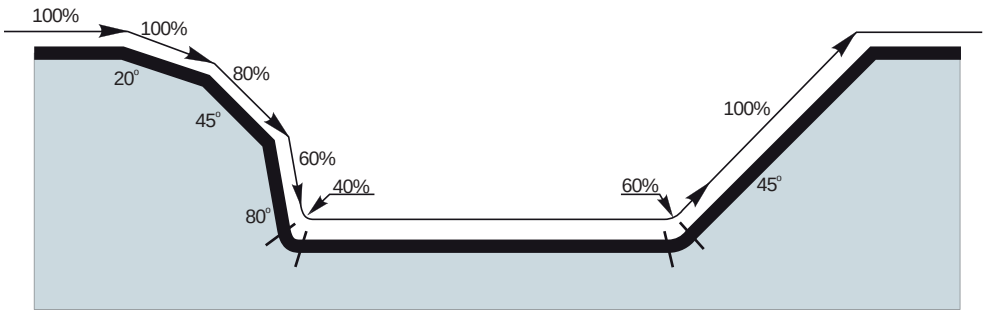




	DCX	a_p	0.3	0.4	0.5	0.7	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0	15.0	16.0
RC 08 / RC 08-F	8	DEF	3.0	3.5	3.9	4.5	5.3	5.8	6.2	6.9	7.4	7.7	8.0	–	–	–	–	–	–	–
RC 10 / RC 10-F	10		3.4	3.9	4.4	5.1	6.0	6.6	7.1	8.0	8.7	9.2	9.8	10.0	–	–	–	–	–	–
RC 12 / RC 12-F	12		3.7	4.3	4.8	5.6	6.6	7.3	7.9	8.9	9.7	10.4	11.3	11.8	12.0	–	–	–	–	–
RC 16 / RC 16-F	16		4.3	5.0	5.6	6.5	7.7	8.6	9.3	10.6	11.6	12.5	13.9	14.8	15.5	16.0	–	–	–	–
RC 20 / RC 20-F	20		4.9	5.6	6.2	7.4	8.7	9.7	10.5	12.0	13.2	14.3	16.0	17.3	18.3	19.6	20.0	–	–	–
RC 25 / RC 25-F	25		5.4	6.3	7.0	8.2	9.8	10.9	11.9	13.6	15.0	16.2	18.3	20.0	21.4	23.3	24.5	25.0	–	–
RC 32 / RC 32-F	32		6.17	7.11	7.94	9.36	11.14	12.40	13.53	15.49	17.18	18.65	21.17	23.24	24.98	27.71	29.66	30.98	31.94	32.00

	DCX	µm	3	5	10	15	20	30	40	50	60	80	100
RC 08 / RC 08-F	8		0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789
RC 10 / RC 10-F	10	FE	0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000
RC 12 / RC 12-F	12		0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191
RC 16 / RC 16-F	16		0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
RC 20 / RC 20-F	20	FE	0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
RC 25 / RC 25-F	25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
RC 32 / RC 32-F	32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578

DEF	a_e	1.0 %	2.5 %	5.0 %	7.5 %	10 %	15 %	20 %	25 %	30 %	35 %	40 %	45 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
	a_p										⇨ x.f									
19.9%	1.0%	2.86	1.84	1.33	1.12	1.00	0.89	–	–	–	–	–	–	–	–	–	–	–	–	–
31.2%	2.5%	3.58	2.28	1.64	1.36	1.20	1.01	0.92	0.88	0.91	–	–	–	–	–	–	–	–	–	–
43.6%	5.0%	4.22	2.68	1.92	1.58	1.39	1.16	1.03	0.95	0.90	0.88	0.89	–	–	–	–	–	–	–	–
52.7%	7.5%	4.63	2.95	2.10	1.73	1.51	1.26	1.11	1.02	0.96	0.91	0.89	0.88	0.90	–	–	–	–	–	–
60.0%	10.0%	4.94	3.14	2.24	1.84	1.61	1.33	1.18	1.07	1.00	0.95	0.91	0.89	0.88	1.00	–	–	–	–	–
71.4%	15.0%	5.39	3.42	2.43	2.00	1.74	1.44	1.27	1.15	1.07	1.01	0.96	0.93	0.90	0.88	0.93	–	–	–	–
80.0%	20.0%	5.70	3.62	2.57	2.11	1.84	1.52	1.33	1.21	1.12	1.05	1.00	0.96	0.93	0.89	0.88	0.89	1.00	–	–
86.6%	25.0%	5.93	3.76	2.67	2.20	1.91	1.58	1.38	1.25	1.16	1.08	1.03	0.99	0.95	0.90	0.88	0.88	0.89	–	–
91.7%	30.0%	6.10	3.87	2.75	2.26	1.96	1.62	1.42	1.28	1.18	1.11	1.05	1.01	0.97	0.92	0.89	0.88	0.88	0.93	–
95.4%	35.0%	6.23	3.95	2.80	2.30	2.00	1.65	1.44	1.31	1.20	1.13	1.07	1.02	0.98	0.93	0.89	0.88	0.88	0.90	–
98.0%	40.0%	6.31	4.00	2.84	2.33	2.03	1.67	1.46	1.32	1.22	1.14	1.08	1.03	0.99	0.93	0.90	0.89	0.88	0.89	–
99.5%	45.0%	6.36	4.03	2.86	2.35	2.04	1.68	1.47	1.33	1.23	1.15	1.09	1.04	1.00	0.94	0.90	0.89	0.88	0.88	–
100.0%	50.0%	6.38	4.04	2.87	2.35	2.05	1.69	1.48	1.33	1.23	1.15	1.09	1.04	1.00	0.94	0.90	0.89	0.88	0.88	1.00



	DCX	RE	a_p 0.00	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.25	1.50	2.00	2.50	3.00	4.00
LC 0806-KP	8	0.6	6.8	7.8	7.9	8.0	8.0	–	–	–	–	–	–	–	–	–	–
LC 0806-KPF		0.6	6.8	7.8	7.9	8.0	8.0	–	–	–	–	–	–	–	–	–	–
LC 0810-KP		1.0	6.0	7.4	7.6	7.7	7.8	7.9	8.0	8.0	8.0	–	–	–	–	–	–
LC 1008-KP	10	0.8	8.4	9.6	9.8	9.9	9.9	10.0	10.0	–	–	–	–	–	–	–	–
LC 1008-KPF		0.8	8.4	9.6	9.8	9.9	9.9	10.0	10.0	–	–	–	–	–	–	–	–
LC 1010-KP		1.0	8.0	9.4	9.6	9.7	9.8	9.9	10.0	10.0	10.0	–	–	–	–	–	–
LC 1245-CH	12	3 × 45°	8.0	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.5	11.0	12.0	–	–	–
LC 1260-CH		5 × 60°	9.7	10.0	10.2	10.3	10.4	10.5	10.6	10.7	10.8	11.1	11.4	12.0	–	–	–
LC 1210-RE		1.0	10.0	10.1	10.2	10.3	10.4	10.6	10.8	11.1	12.0	–	–	–	–	–	–
LC 1220-RE		2.0	8.0	8.0	8.1	8.1	8.2	8.3	8.3	8.4	8.5	8.9	9.4	12.0	–	–	–
LC 1230-RE		3.0	6.0	6.0	6.1	6.1	6.1	6.2	6.2	6.3	6.3	6.5	6.8	7.5	8.7	12.0	–

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
8	FE	0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789
10		0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000
RE	**µm**	**3**	**5**	**10**	**15**	**20**	**30**	**40**	**50**	**60**	**80**	**100**
0.6	FE	0.120	0.155	0.219	0.268	0.310	0.379	0.438	0.490	0.537	0.620	0.693
0.8		0.139	0.179	0.253	0.310	0.358	0.438	0.506	0.566	0.620	0.716	0.800
1.0		0.155	0.200	0.283	0.346	0.400	0.490	0.566	0.632	0.693	0.800	0.89

	DCX	RE	max
LC 0806-KP	8	0.6	3.0
LC 0806-KPF		0.6	2.8
LC 0810-KP		1.0	3.0
LC 1008-KP	10	0.8	3.8
LC 1008-KPF		0.8	3.6
LC 1010-KP		1.0	3.8
LC 1245-CH	12	3×45	–
LC 1260-CH		5×60	–
LC 1210-RE		1.0	–
LC 1220-RE		2.0	–
LC 1230-RE		3.0	–

	DCX	RE	RPMX	APMX/l
LC 0806-KP	8	0.6	2.5	1.5/35
LC 0806-KPF		0.6	2.2	1.5/39
LC 0810-KP		1.0	2.4	1.5/36
LC 1008-KP	10	0.8	2.6	1.5/33
LC 1008-KPF		0.8	2.3	1.5/38
LC 1010-KP		1.0	2.6	1.5/33
LC 1245-CH	12	3×45	–	–
LC 1260-CH		5×60	–	–
LC 1210-RE		1.0	–	–
LC 1220-RE		2.0	–	–
LC 1230-RE		3.0	–	–

	DCX	RE	DMIN	DMAX	SMAX DMIN	SMAX DMAX
LC 0806-KP	8	0.6	9.8	15.9	0.8	1.0
LC 0806-KPF		0.6	10.2	15.9	0.1	0.1
LC 0810-KP		1.0	9.9	15.9	0.1	0.1
LC 1008-KP	10	0.8	12.2	19.9	0.9	1.1
LC 1008-KPF		0.8	12.6	19.9	0.2	0.2
LC 1010-KP		1.0	12.2	19.9	0.2	0.2
LC 1245-CH	12	3 × 45°	–	–	–	–
LC 1260-CH		5 × 60°	–	–	–	–
LC 1210-RE		1.0	–	–	–	–
LC 1220-RE		2.0	–	–	–	–
LC 1230-RE		3.0	–	–	–	–

	DCX	RE	a_p
LC 0806-KP	8	0.6	0.15
LC 0806-KPF		0.6	0.13
LC 0810-KP		1.0	0.13
LC 1008-KP	10	0.8	0.2
LC 1008-KPF		0.8	0.18
LC 1010-KP		1.0	0.19
LC 1245-CH	12	3 × 45°	–
LC 1260-CH		5 × 60°	–
LC 1210-RE		1.0	–
LC 1220-RE		2.0	–
LC 1230-RE		3.0	–

	DCX	坡口	速度的系数	转变为 APMX
LC 1245-CH	12	3 × 45°	1.26	0.21
LC 1260-CH		5 × 60°	1.26	0.21

悬伸(长径比)	< 3.0	3.0 – 3.5	3.6 – 4.0	4.1 – 4.5	> 4.6
速度校正因子	1.0	0.9	0.8	0.7	0.5

K2-SLC

P M K H

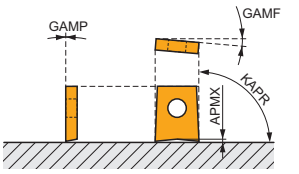
PRAMET

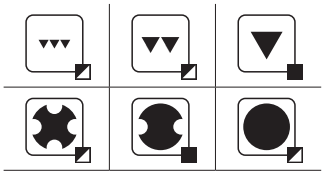
S

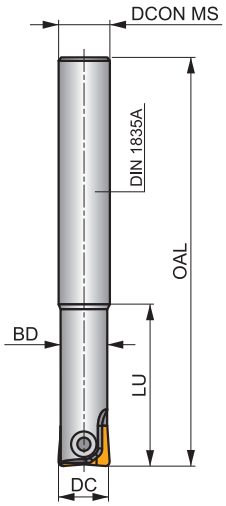
仿形和轮廓立铣刀适用于精加工

立铣刀可利用LC刀片在各种应用中进行精加工。高精度磨削刀片可提供出色的精度。用于轮廓加工，倒角加工，螺旋铣削，渐进式插铣和坡走铣。只提供圆柱柄类型，尺寸范围是Ø 12至Ø 20 mm。主体经过处理，使用寿命更长。

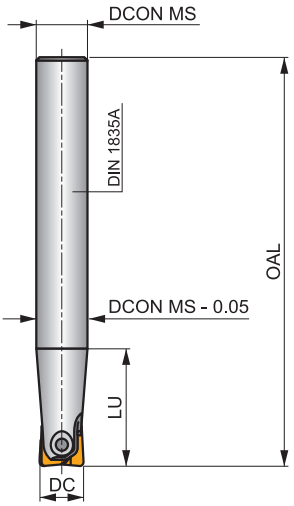
APMX	1.0 – 3.0 mm







DC 12 - 16 mm



DC 20 mm

h_m 0.03 – 0.10

	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	BD (mm)			max.		kg		
DIN 1835A	**12K2R030A12-SLC12-A**	12	130	12	30	10.5	2	–	35000	–	0.11	GI037	C0532
	16K2R035A16-SLC16-A	16	140	16	35	14	2	–	22000	–	0.20	GI038	C0533
	20K2R045A20-SLC20-A	20	160	20	45	18	2	–	16000	–	0.38	GI039	C0534

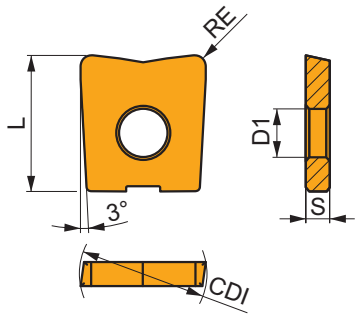
GI037	LC 12-KP	LC 12-KPF
GI038	LC 16-KP	LC 16-KPF
GI039	LC 20-KP	LC 20-KPF

		Nm			
C0532	CS 5009-T20P	5.0	M 5	9	SDR T20P
C0533	CS 5013-T20P	5.0	M 5	13	SDR T20P
C0534	CS 5015-T20P	5.0	M 5	15	SDR T20P

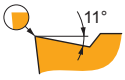
LC

PRAMET

	CDI	D1	L	S
	(mm)	(mm)	(mm)	(mm)
08	8.0	3.00	9.50	2.00
10	10.0	4.00	11.50	2.50
12	12.0	5.00	14.00	2.50
16	16.0	5.00	16.00	3.00
20	20.0	5.00	18.00	3.00



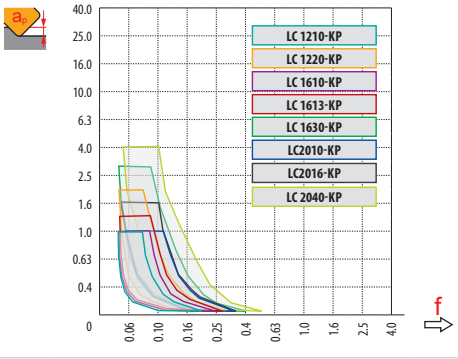
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

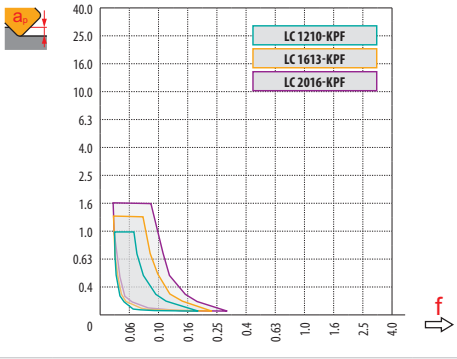
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			U E																	
KP槽型，具有平板设计适用于轻载到中等加工。																				
LC 0806-KP	**M4310**	0.6	◪ 280	0.16	0.3	–	–	–	■ 265	0.16	0.3	–	–	–	–	–	–	■ 55	0.15	1.0
	M8310	0.6	■ 325	0.16	0.3	–	–	–	■ 305	0.16	0.3	–	–	–	–	–	–	■ 65	0.15	1.0
	M8330	0.6	■ 295	0.16	0.3	–	–	–	■ 280	0.16	0.3	–	–	–	–	–	–	◪ 55	0.15	1.0
LC 0810-KP	**M4310**	1.0	◪ 280	0.16	0.5	–	–	–	■ 265	0.16	0.5	–	–	–	–	–	–	■ 55	0.15	1.0
	M8310	1.0	■ 325	0.16	0.5	–	–	–	■ 305	0.16	0.5	–	–	–	–	–	–	■ 65	0.15	1.0
LC 1008-KP	**M4310**	0.8	◪ 270	0.16	0.4	–	–	–	■ 255	0.16	0.4	–	–	–	–	–	–	■ 50	0.15	1.0
	M8310	0.8	■ 315	0.16	0.4	–	–	–	■ 295	0.16	0.4	–	–	–	–	–	–	■ 60	0.15	1.0
	M8330	0.8	■ 290	0.16	0.4	–	–	–	■ 275	0.16	0.4	–	–	–	–	–	–	◪ 55	0.15	1.0
LC 1010-KP	**M4310**	1.0	◪ 280	0.16	0.5	–	–	–	■ 265	0.16	0.5	–	–	–	–	–	–	■ 55	0.15	1.0
	M8310	1.0	■ 325	0.16	0.5	–	–	–	■ 305	0.16	0.5	–	–	–	–	–	–	■ 65	0.15	1.0
	M8330	1.0	■ 295	0.16	0.5	–	–	–	■ 280	0.16	0.5	–	–	–	–	–	–	◪ 55	0.15	1.0
LC 1210-KP	**M4310**	1.0	◪ 280	0.16	0.5	–	–	–	■ 265	0.16	0.5	–	–	–	–	–	–	■ 55	0.15	1.0
	M8310	1.0	■ 325	0.16	0.5	–	–	–	■ 305	0.16	0.5	–	–	–	–	–	–	■ 65	0.15	1.0
	M8330	1.0	■ 295	0.16	0.5	–	–	–	■ 280	0.16	0.5	–	–	–	–	–	–	◪ 55	0.15	1.0
LC 1220-KP	**M4310**	2.0	◪ 285	0.16	1.0	–	–	–	■ 270	0.16	1.0	–	–	–	–	–	–	■ 55	0.15	1.0
LC 1610-KP	**M4310**	1.0	◪ 280	0.16	0.5	–	–	–	■ 265	0.16	0.5	–	–	–	–	–	–	■ 55	0.15	1.0
	M8310	1.0	■ 325	0.16	0.5	–	–	–	■ 305	0.16	0.5	–	–	–	–	–	–	■ 65	0.15	1.0
	M8330	1.0	■ 295	0.16	0.5	–	–	–	■ 280	0.16	0.5	–	–	–	–	–	–	◪ 55	0.15	1.0
LC 1613-KP	**M4310**	1.3	◪ 270	0.16	0.7	–	–	–	■ 255	0.16	0.7	–	–	–	–	–	–	■ 50	0.15	1.0
	M8310	1.3	■ 315	0.16	0.7	–	–	–	■ 295	0.16	0.7	–	–	–	–	–	–	■ 60	0.15	1.0
LC 1630-KP	**M4310**	3.0	◪ 270	0.16	1.5	–	–	–	■ 255	0.16	1.5	–	–	–	–	–	–	■ 50	0.15	1.0
LC 2010-KP	**M4310**	1.0	◪ 280	0.16	0.5	–	–	–	■ 265	0.16	0.5	–	–	–	–	–	–	■ 55	0.15	1.0
	M8310	1.0	■ 325	0.16	0.5	–	–	–	■ 305	0.16	0.5	–	–	–	–	–	–	■ 65	0.15	1.0
	M8330	1.0	■ 295	0.16	0.5	–	–	–	■ 280	0.16	0.5	–	–	–	–	–	–	◪ 55	0.15	1.0
LC 2016-KP	**M4310**	1.6	◪ 280	0.16	0.8	–	–	–	■ 265	0.16	0.8	–	–	–	–	–	–	■ 55	0.15	1.0
	M8310	1.6	■ 325	0.16	0.8	–	–	–	■ 305	0.16	0.8	–	–	–	–	–	–	■ 65	0.15	1.0
LC 2040-KP	**M8330**	4.0	■ 285	0.16	2.0	–	–	–	■ 270	0.16	2.0	–	–	–	–	–	–	◪ 55	0.15	1.0
			F																	
KPF槽型，具有前角设计，适用于轻载到中等加工。																				
LC 0806-KPF	**M4310**	0.6	◪ 280	0.16	0.3	◪ 140	0.14	0.3	■ 265	0.16	0.3	–	–	–	–	–	–	■ 55	0.15	1.0
LC 1008-KPF	**M4310**	0.8	◪ 270	0.16	0.4	◪ 135	0.14	0.4	■ 255	0.16	0.4	–	–	–	–	–	–	■ 50	0.15	1.0
LC 1210-KPF	**M4310**	1.0	◪ 280	0.16	0.5	◪ 140	0.14	0.5	■ 265	0.16	0.5	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	1.0	■ 295	0.16	0.5	◪ 175	0.14	0.5	■ 280	0.16	0.5	–	–	–	–	–	–	◪ 55	0.15	1.0
LC 1613-KPF	**M4310**	1.3	◪ 270	0.16	0.7	◪ 135	0.14	0.7	■ 255	0.16	0.7	–	–	–	–	–	–	■ 50	0.15	1.0
LC 2016-KPF	**M4310**	1.6	◪ 280	0.16	0.8	◪ 140	0.14	0.8	■ 265	0.16	0.8	–	–	–	–	–	–	■ 55	0.15	1.0

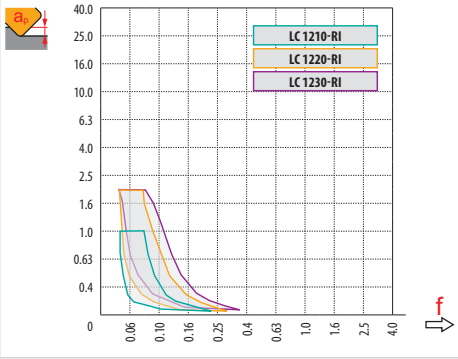
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	LC 12-KP	LC 12-KP	LC 16-KP	LC 16-KP	LC 16-KP	LC 20-KP	LC 20-KP	LC 20-KP
RE	1.0	2.0	1.0	1.3	3.0	1.0	1.6	4.0
BS	–	–	–	–	–	–	–	–

	LC 12-KPF	LC 16-KPF	LC 20-KP	LC 1215-RI	LC 1220-RI	LC 1230-RI
RE	1.0	1.3	1.6	1.5	2.0	3.0
BS	–	–	–	–	–	–







	DC		a_p													
		RE	0.0	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.25	1.5	2.0	2.5	3.0	4.0
LC 1210-KP	12	1.0	10.0	11.4	11.6	11.7	11.8	11.9	12.0	12.0	12.0	–	–	–	–	–	–
LC 1210-KPF		1.0	10.0	11.4	11.6	11.7	11.8	11.9	12.0	12.0	12.0	–	–	–	–	–	–
LC 1220-KP		2.0	8.0	10.1	10.4	10.6	10.9	11.0	11.2	11.3	11.5	11.7	11.9	12.0	–	–	–
LC 1210-RI		1.0	10.0	11.4	11.6	11.7	11.8	11.9	12.0	12.0	12.0	–	–	–	–	–	–
LC 1220-RI		2.0	8.0	10.1	10.4	10.6	10.9	11.0	11.2	11.3	11.5	11.7	11.9	12.0	–	–	–
LC 1230-RI		3.0	6.0	8.6	9.0	9.3	9.6	9.9	10.1	10.3	10.5	10.9	11.2	11.7	11.9	–	–
LC 1610-KP	16	1.0	14.0	15.4	15.6	15.7	15.8	15.9	16.0	16.0	16.0	–	–	–	–	–	–
LC 1613-KP		1.3	13.4	15.1	15.3	15.4	15.6	15.7	15.8	15.9	15.9	16.0	–	–	–	–	–
LC 1613-KPF		1.3	13.4	15.1	15.3	15.4	15.6	15.7	15.8	15.9	15.9	16.0	–	–	–	–	–
LC 1630-KP		3.0	10.0	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.5	14.9	15.2	15.7	15.9	–	–
LC 2010-KP	20	1.0	18.0	19.4	19.6	19.7	19.8	19.9	20.0	20.0	20.0	–	–	–	–	–	–
LC 2016-KP		1.6	16.8	18.7	18.9	19.1	19.3	19.4	19.6	19.7	19.8	19.9	20.0	–	–	–	–
LC 2016-KPF		1.6	16.8	18.7	18.9	19.1	19.3	19.4	19.6	19.7	19.8	19.9	20.0	–	–	–	–
LC 2040-KP		4.0	12.0	15.0	15.5	15.9	16.2	16.5	16.8	17.1	17.3	17.8	18.2	18.9	19.4	–	–

DC	µm	3	5	10	15	20	30	40	50	60	80	100
12	FE	0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191
16		0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
RE	**µm**	**3**	**5**	**10**	**15**	**20**	**30**	**40**	**50**	**60**	**80**	**100**
1.3	FE	0.177	0.228	0.322	0.395	0.456	0.559	0.645	0.721	0.790	0.912	1.020
1.6		0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549
4.0		0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789

	DC	RE	max
LC 1210-KP	12	1.0	4.8
LC 1210-KPF		1.0	4.4
LC 1220-KP		2.0	4.8
LC 1210-RI		1.0	–
LC 1220-RI		2.0	–
LC 1230-RI		3.0	–
LC 1610-KP	16	1.0	6.6
LC 1613-KP		1.3	6.6
LC 1613-KPF		1.3	5.9
LC 1630-KP		3.0	6.6
LC 2010-KP	20	1.0	8.5
LC 2016-KP		1.6	8.5
LC 2016-KPF		1.6	7.5
LC 2040-KP		4.0	8.5

	DC	RE	RPMX	APMX/l
LC 1210-KP	12	1.0	4.7	1.5/19
LC 1210-KPF		1.0	3.8	1.5/23
LC 1220-KP		2.0	4.4	2.0/26
LC 1210-RI		1.0	–	–
LC 1220-RI		2.0	–	–
LC 1230-RI		3.0	–	–
LC 1610-KP	16	1.0	4.8	1.5/18
LC 1613-KP		1.3	4.8	1.5/18
LC 1613-KPF		1.3	3.8	1.5/23
LC 1630-KP		3.0	4.4	3.0/39
LC 2010-KP	20	1.0	5.0	1.5/18
LC 2016-KP		1.6	4.9	1.6/19
LC 2016-KPF		1.6	3.8	1.6/25
LC 2040-KP		4.0	4.5	4.0/51

	DC	RE	DMIN	DMAX	SMAX DMIN	SMAX DMAX
LC 1210-KP	12	1.0	14.1	23.9	1.0	1.2
LC 1210-KPF		1.0	15.0	23.9	0.4	0.4
LC 1220-KP		2.0	14.1	23.9	0.3	0.3
LC 1210-RI		1.0	–	–	–	–
LC 1220-RI		2.0	–	–	–	–
LC 1230-RI		3.0	–	–	–	–
LC 1610-KP	16	1.0	18.6	31.9	1.1	1.4
LC 1613-KP		1.3	18.6	31.9	0.6	0.6
LC 1613-KPF		1.3	19.9	31.9	0.5	0.5
LC 1630-KP		3.0	18.6	31.9	0.4	0.4
LC 2010-KP	20	1.0	22.8	39.9	1.3	1.5
LC 2016-KP		1.6	22.8	39.9	0.8	0.8
LC 2016-KPF		1.6	24.8	39.9	0.7	0.7
LC 2040-KP		4.0	22.8	39.9	0.5	0.5

	DC	RE	a_p
LC 1210-KP	12	1.0	0.44
LC 1210-KPF		1.0	0.9
LC 1220-KP		2.0	0.4
LC 1210-RI		1.0	–
LC 1220-RI		2.0	–
LC 1230-RI		3.0	–
LC 1610-KP	16	1.0	0.65
LC 1613-KP		1.3	0.62
LC 1613-KPF		1.3	0.53
LC 1630-KP		3.0	0.44
LC 2010-KP	20	1.0	0.85
LC 2016-KP		1.6	0.79
LC 2016-KPF		1.6	0.67
LC 2040-KP		4.0	0.54

悬伸(长径比)	< 3.0	3 – 3.5	3.6 – 4.0	4.1 – 4.5	> 4.6
速度校正因子	1.0	0.9	0.8	0.7	0.5

K2-PPH

P M K S H

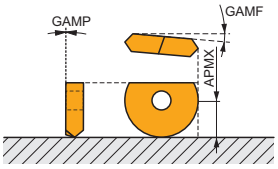
PRAMET

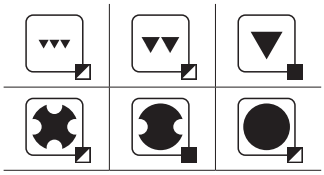
S

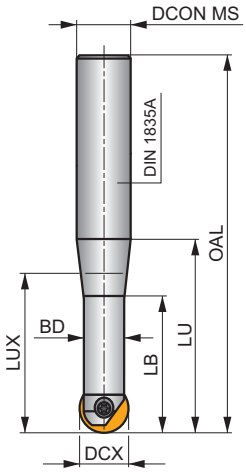
仿形和轮廓立铣刀

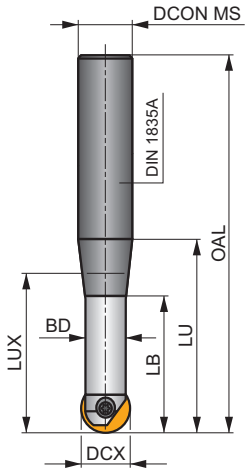
灵活的方肩铣刀适用于各种模具。球形、环形刀片的一种刀具解决方案。可提供圆柱柄和模块夹紧系统类型，尺寸范围Ø 8至Ø 32 mm。刀体经过处理，使用寿命更长。

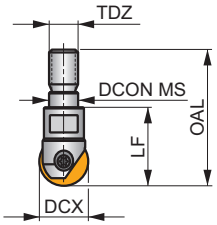
APMX	0.3 – 4.0 mm











h_m 0.07 – 0.14

	产品型号	DCX (mm)	OAL (mm)	DCON MS (mm)	BD (mm)	LB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	Carbide	max.		kg		
	PPH-08/02-QC12 – 092	8	92	12	6.5	19	35	23.1	–	–	–	40000	–	0.14	GI284	C0540
	PPH-08/02-QC12 – 110	8	110	12	6.5	33.5	53	41.5	–	–	–	33600	–	0.15	GI284	C0540
	PPH-08/02-QC12 – 132	8	132	12	6.5	19	75	41.8	–	–	–	16800	–	0.16	GI284	C0540
	PPH-10/02-QC12 – 092	10	92	12	8	22.4	38	30	–	–	–	40000	–	0.12	GI285	C0541
	PPH-10/02-QC12 – 110	10	110	12	8	38.7	53	51.9	–	–	–	40000	–	0.15	GI285	C0541
	PPH-10/02-QC12 – 132	10	132	12	8	21.8	75	73.6	–	–	–	20300	–	0.17	GI285	C0541
	PPH-12/02-QC16 – 145	12	145	16	10	22.5	85	63.3	–	–	–	19800	–	0.25	GI286	C0542
	PPH-16/02-QC20 – 166	16	166	20	14	29.5	100	75.5	–	–	–	20000	–	0.38	GI287	C0543
	PPH-20/02-QC25 – 191	20	191	25	17	35	115	82.2	–	–	–	18400	–	0.64	GI288	C0544
	PPH-25/02-QC32 – 215	25	215	32	21	42.5	135	97	–	–	–	16500	–	1.07	GI289	C0545
	PPH-12/02-QC12 – 083	12	83	12	10	–	26	–	–	–	–	40000	–	0.15	GI286	C0542
	PPH-12/02-QC12 – 110	12	110	12	10	–	53	–	–	–	–	40000	–	0.17	GI286	C0542
DIN 1835A	**PPH-12/02-QC12 – 145**	12	145	12	10	–	45	–	–	–	–	40000	–	0.20	GI286	C0542
	PPH-16/02-QC16 – 092	16	92	16	14	–	92	–	–	–	–	36000	–	0.21	GI287	C0543
	PPH-16/02-QC16 – 123	16	123	16	14	–	63	–	–	–	–	36000	–	0.24	GI287	C0543
	PPH-16/02-QC16 – 166	16	166	16	14	–	55	–	–	–	–	36000	–	0.31	GI287	C0543
	PPH-20/02-QC20 – 104	20	104	20	17	–	38	–	–	–	–	40000	–	0.35	GI288	C0544
	PPH-20/02-QC20 – 141	20	141	20	17	–	75	–	–	–	–	40000	–	0.41	GI288	C0544
	PPH-20/02-QC20 – 191	20	191	20	17	–	65	–	–	–	–	40000	–	0.54	GI288	C0544
	PPH-25/02-QC25 – 121	25	121	25	21	–	45	–	–	–	–	40000	–	0.53	GI289	C0545
	PPH-25/02-QC25 – 166	25	166	25	21	–	90	–	–	–	–	37100	–	0.57	GI289	C0545
	PPH-32/02-QC32 – 186	32	186	32	26	–	107	–	–	–	–	32500	–	1.09	GI290	C0546
	PPH-32/02-QC32 – 240	32	240	32	26	–	160	–	–	–	–	14500	–	1.37	GI290	C0546
	PPH-08/02-QC12 – 110HSCW	8	110	12	6.5	19	53	30.1	–	–	✓	40000	–	0.21	GI284	C0540
	PPH-08/02-QC12 – 132HSCW	8	132	12	6.5	19	75	37.1	–	–	✓	23400	–	0.24	GI284	C0540
	PPH-10/02-QC12 – 092HSCW	10	92	12	8	21.9	38.1	90.9	–	–	✓	40000	–	0.20	GI285	C0541

	产品型号	DCX (mm)	OAL (mm)	DCON MS (mm)	BD (mm)	LB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	Carbide	max.		kg		
DIN 1835A	**PPH-10/02-QC12 – 110HSCW**	10	110	12	8	21.8	53.1	41.4	–	–	✓	40000	–	0.22	GI285	C0541
	PPH-10/02-QC12 – 132HSCW	10	132	12	8	21.8	75.1	51.1	–	–	✓	23400	–	0.27	GI285	C0541
	PPH-12/02-QC16 – 145HSCW	12	145	16	10	21.5	85	65.6	–	–	✓	21000	–	0.28	GI286	C0542
	PPH-16/02-QC20 – 166HSCW	16	166	20	14	28.5	100	87.2	–	–	✓	25500	–	0.66	GI287	C0543
	PPH-20/02-QC25 – 191HSCW	20	191	25	17	35	115	75.6	–	–	✓	18500	–	1.09	GI288	C0544
	PPH-08/02-QC08 – 130HSCW	8	130	8	6.5	–	20	–	–	–	✓	40000	–	0.17	GI284	C0540
	PPH-10/02-QC10 – 140HSCW	10	140	10	8	–	25	–	–	–	✓	40000	–	0.25	GI285	C0541
	PPH-12/02-QC12 – 083HSCW	12	83	12	10	–	26	–	–	–	✓	40000	–	0.23	GI286	C0542
	PPH-12/02-QC12 – 110HSCW	12	110	12	10	–	53	–	–	–	✓	40000	–	0.26	GI286	C0542
	PPH-16/02-QC16 – 092HSCW	16	92	16	14	–	32	–	–	–	✓	43000	–	0.32	GI287	C0543
	PPH-16/02-QC16 – 123HSCW	16	123	16	14	–	63	–	–	–	✓	43000	–	0.36	GI287	C0543
	PPH-20/02-QC20 – 104HSCW	20	104	20	17	–	38	–	–	–	✓	40000	–	0.50	GI288	C0544
	PPH-20/02-QC20 – 141HSCW	20	141	20	17	–	75	–	–	–	✓	40000	–	0.62	GI288	C0544
MODULAR	**PPH-16/02 – 025-P08**	16	–	8.5	–	–	–	–	25	M8	–	–	–	0.14	GI287	C0543
	PPH-20/02 – 030-P10	20	–	10.5	–	–	–	–	30	M10	–	–	–	0.18	GI288	C0544

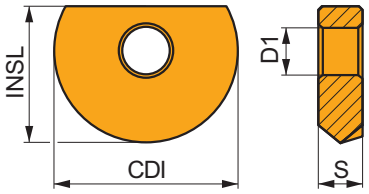
GI284	PPH 08..	–	PPHT 08..	PPHF 08..
GI285	PPH 10..	PPHE 10..	PPHT 10..	PPHF 10..
GI286	PPH 12..	PPHE 12..	PPHT 12..	PPHF 12..
GI287	PPH 16..	PPHE 16..	PPHT 16..	PPHF 16..
GI288	PPH 20..	PPHE 20..	PPHT 20..	PPHF 20..
GI289	PPH 25..	–	PPHT 25..	PPHF 25..
GI290	PPH 32..	–	–	–

		Nm						
C0540	CS 42506-T07P	1.0	M 2.5	6	D-T07P/T09P	FG-15	–	–
C0541	CS 43008-T08P	1.2	M 3	8	D-T08P/T15P	FG-15	–	–
C0542	CS 43509-T10P	2.0	M 3.5	9	–	–	SDR T10P	–
C0543	CS 44013-T15P	3.0	M 4	13	D-T08P/T15P	FG-15	–	–
C0544	CS 45016-T20P	5.0	M 5	16	–	–	SDR T20P	–
C0545	CS 46020-T25P	7.5	M 6	20	–	–	–	SDR T25P-T
C0546	CS 48025-T40P	15.0	M 8	25	–	–	–	SDR T40P-T

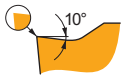
PPH

PRAMET

	CDI (mm)	D1 (mm)	INSL (mm)	S (mm)
0800	8.0	2.50	7.0	2.40
1000	10.0	3.00	8.5	2.60
1200	12.0	3.50	10.0	3.00
1600	16.0	4.00	12.0	4.00
2000	20.0	5.00	15.0	5.00
2500	25.0	6.00	18.5	6.00
3000	30.0	8.00	22.5	7.00
3200	32.0	8.00	23.5	7.00



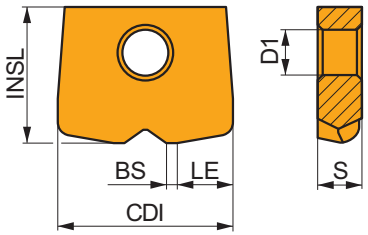
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
CL1槽型，具有锋利的设计。																				
PPH 0800-CL1	**2003**	–	285	0.36	0.4	145	0.32	0.4	270	0.36	0.4	–	–	–	–	–	–	55	0.15	1.0
PPH 1000-CL1	**2003**	–	280	0.36	0.5	140	0.32	0.5	265	0.36	0.5	–	–	–	–	–	–	55	0.15	1.0
PPH 1200-CL1	**2003**	–	275	0.36	0.6	140	0.32	0.6	260	0.36	0.6	–	–	–	–	–	–	55	0.15	1.0
PPH 1600-CL1	**2003**	–	265	0.36	0.8	135	0.32	0.8	250	0.36	0.8	–	–	–	–	–	–	50	0.15	1.0
PPH 2000-CL1	**2003**	–	260	0.36	1.0	130	0.32	1.0	245	0.36	1.0	–	–	–	–	–	–	50	0.15	1.0
PPH 2500-CL1	**2003**	–	250	0.36	1.3	125	0.32	1.3	235	0.36	1.3	–	–	–	–	–	–	50	0.15	1.0
PPH 3000-CL1	**2003**	–	245	0.36	1.5	120	0.32	1.5	230	0.36	1.5	–	–	–	–	–	–	45	0.15	1.0
PPH 3200-CL1	**2003**	–	245	0.36	1.6	120	0.32	1.6	230	0.36	1.6	–	–	–	–	–	–	45	0.15	1.0
CL4槽型，具有锋利的设计，适用于断续切削。																				
PPH 0800-CL4	**8215**	–	270	0.36	0.4	–	–	–	255	0.36	0.4	–	–	–	–	–	–	50	0.15	1.0
PPH 1000-CL4	**8215**	–	265	0.36	0.5	–	–	–	250	0.36	0.5	–	–	–	–	–	–	50	0.15	1.0
PPH 1200-CL4	**8215**	–	255	0.36	0.6	–	–	–	240	0.36	0.6	–	–	–	–	–	–	50	0.15	1.0
PPH 1600-CL4	**8215**	–	250	0.36	0.8	–	–	–	235	0.36	0.8	–	–	–	–	–	–	50	0.15	1.0
PPH 2000-CL4	**8215**	–	245	0.36	1.0	–	–	–	230	0.36	1.0	–	–	–	–	–	–	45	0.15	1.0
PPH 2500-CL4	**8215**	–	240	0.36	1.3	–	–	–	225	0.36	1.3	–	–	–	–	–	–	45	0.15	1.0
PPH 3000-CL4	**8215**	–	235	0.36	1.5	–	–	–	220	0.36	1.5	–	–	–	–	–	–	45	0.15	1.0
PPH 3200-CL4	**8215**	–	235	0.36	1.6	–	–	–	220	0.36	1.6	–	–	–	–	–	–	45	0.15	1.0
																				
SM1槽型，具有锋利的设计。																				
PPHE 1000-SM1	**8215**	–	260	0.31	0.5	155	0.28	0.5	245	0.31	0.5	–	–	–	–	–	–	50	0.15	1.0
PPHE 1200-SM1	**8215**	–	245	0.36	0.6	145	0.32	0.6	230	0.36	0.6	–	–	–	–	–	–	45	0.15	1.0
PPHE 1600-SM1	**8215**	–	250	0.31	0.8	150	0.28	0.8	235	0.31	0.8	–	–	–	–	–	–	50	0.15	1.0
PPHE 2000-SM1	**8215**	–	240	0.31	1.0	140	0.28	1.0	225	0.31	1.0	–	–	–	–	–	–	45	0.15	1.0

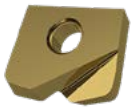
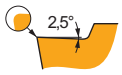
PPHF

PRAMET

	BS	LE	CDI	D1	INSL	S
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
0800	0.40	2.60	8.0	2.50	7.0	2.40
1000	0.50	3.20	10.0	3.00	8.5	2.60
1200	0.60	3.90	12.0	3.50	10.0	3.00
1600	0.80	5.20	16.0	4.00	12.0	4.00
2000	1.00	6.40	20.0	5.00	15.0	5.00
2500	1.20	7.90	25.0	6.00	18.5	6.00



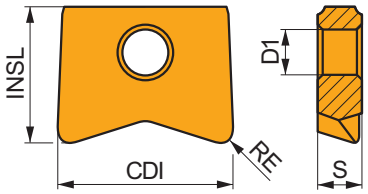
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC E																	
CE1槽型，具有强壮的设计，适用于快进给。																				
PPHF 080004-CE1	**M8330**	–	200	0.30	0.3	120	0.27	0.3	190	0.30	0.3	–	–	–	50	0.27	0.2	40	0.15	1.0
PPHF 100005-CE1	**M8330**	–	190	0.35	0.3	110	0.32	0.3	180	0.35	0.3	–	–	–	45	0.32	0.2	35	0.15	1.0
PPHF 120006-CE1	**M8330**	–	205	0.45	0.4	120	0.41	0.4	190	0.45	0.4	–	–	–	50	0.41	0.3	40	0.15	1.0
PPHF 160008-CE1	**M8330**	–	190	0.60	0.5	110	0.54	0.5	180	0.60	0.5	–	–	–	45	0.54	0.4	35	0.15	1.0
PPHF 200010-CE1	**M8330**	–	190	0.70	0.6	110	0.63	0.6	180	0.70	0.6	–	–	–	45	0.63	0.5	35	0.15	1.0
PPHF 250012-CE1	**M8330**	–	175	0.90	0.8	105	0.81	0.8	165	0.90	0.8	–	–	–	40	0.81	0.6	35	0.15	1.0

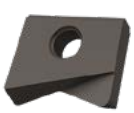
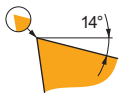
PPHT

PRAMET

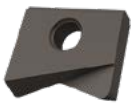
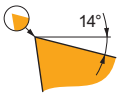
	CDI	D1	INSL	S
	(mm)	(mm)	(mm)	(mm)
0800	8.0	2.50	7.0	2.40
1000	10.0	3.00	8.5	2.60
1200	12.0	3.50	10.0	3.00
1600	16.0	4.00	12.0	4.00
2000	20.0	5.00	15.0	5.00
2500	25.0	6.00	18.5	6.00



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

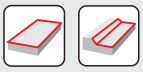
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			U F																	
A2槽型，具有正前角设计，适用于轻载到中等加工。																				
PPHT 080003-A2	**2003**	0.3	275	0.10	0.3	140	0.09	0.3	260	0.10	0.3	–	–	–	–	–	–	55	0.15	1.0
PPHT 080005-A2	**2003**	0.5	270	0.13	0.3	135	0.12	0.3	255	0.13	0.3	–	–	–	–	–	–	50	0.15	1.0
PPHT 080008-A2	**2003**	0.8	305	0.14	0.4	155	0.13	0.4	285	0.14	0.4	–	–	–	–	–	–	60	0.15	1.0
PPHT 080010-A2	**2003**	1.0	315	0.14	0.5	160	0.13	0.5	295	0.14	0.5	–	–	–	–	–	–	60	0.15	1.0
PPHT 100005-A2	**2003**	0.5	270	0.13	0.3	135	0.12	0.3	255	0.13	0.3	–	–	–	–	–	–	50	0.15	1.0
PPHT 100008-A2	**2003**	0.8	305	0.14	0.4	155	0.13	0.4	285	0.14	0.4	–	–	–	–	–	–	60	0.15	1.0
PPHT 100010-A2	**2003**	1.0	315	0.14	0.5	160	0.13	0.5	295	0.14	0.5	–	–	–	–	–	–	60	0.15	1.0
PPHT 120005-A2	**2003**	0.5	270	0.13	0.3	135	0.12	0.3	255	0.13	0.3	–	–	–	–	–	–	50	0.15	1.0
PPHT 120010-A2	**2003**	1.0	315	0.14	0.5	160	0.13	0.5	295	0.14	0.5	–	–	–	–	–	–	60	0.15	1.0
PPHT 120020-A2	**2003**	2.0	320	0.14	1.0	160	0.13	1.0	300	0.14	1.0	–	–	–	–	–	–	60	0.15	1.0

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
		(mm)																		
																				

A2槽型，具有正前角设计，适用于轻载到中等加工。

PPHT 160010-A2	**2003**	1.0	315	0.14	0.5	160	0.13	0.5	295	0.14	0.5	–	–	–	–	–	–	60	0.15	1.0
PPHT 160013-A2	**2003**	1.3	300	0.15	0.6	150	0.13	0.6	285	0.15	0.6	–	–	–	–	–	–	60	0.15	1.0
PPHT 160020-A2	**2003**	2.0	320	0.14	1.0	160	0.13	1.0	300	0.14	1.0	–	–	–	–	–	–	60	0.15	1.0
PPHT 160030-A2	**2003**	3.0	305	0.14	1.5	155	0.13	1.5	285	0.14	1.5	–	–	–	–	–	–	60	0.15	1.0
PPHT 200010-A2	**2003**	1.0	315	0.14	0.5	160	0.13	0.5	295	0.14	0.5	–	–	–	–	–	–	60	0.15	1.0
PPHT 200016-A2	**2003**	1.6	310	0.14	0.8	155	0.13	0.8	290	0.14	0.8	–	–	–	–	–	–	60	0.15	1.0
PPHT 200030-A2	**2003**	3.0	305	0.14	1.5	155	0.13	1.5	285	0.14	1.5	–	–	–	–	–	–	60	0.15	1.0
PPHT 200040-A2	**2003**	4.0	295	0.14	2.0	150	0.13	2.0	280	0.14	2.0	–	–	–	–	–	–	55	0.15	1.0
PPHT 250020-A2	**2003**	2.0	320	0.14	1.0	160	0.13	1.0	300	0.14	1.0	–	–	–	–	–	–	60	0.15	1.0



a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	PPH 08-CL1	PPH 10-CL1	PPH 12-CL1	PPH 16-CL1	PPH 20-CL1	PPH 25-CL1	PPH 30-CL1	PPH 32-CL1
RE	4.0	5.0	6.0	8.0	10.0	12.5	15.0	16.0
BS	–	–	–	–	–	–	–	–

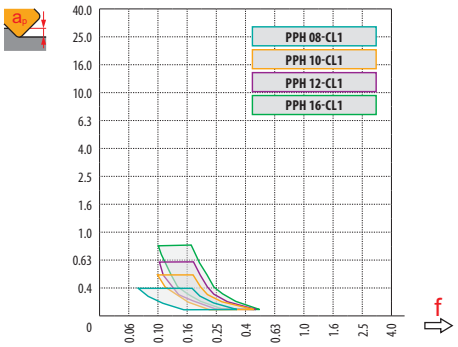
	PPH 08-CL4	PPH 10-CL4	PPH 12-CL4	PPH 16-CL4	PPH 20-CL4	PPH 25-CL4	PPH 30-CL4	PPH 32-CL4
RE	4.0	5.0	6.0	8.0	10.0	12.5	15.0	16.0
BS	–	–	–	–	–	–	–	–

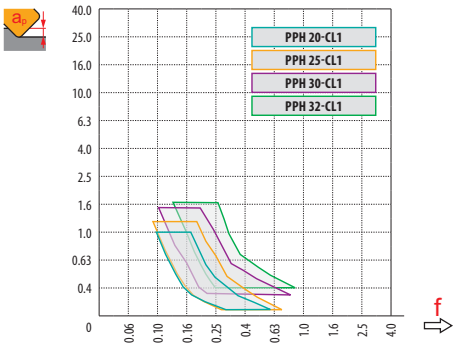
	PPHE 10-SM1	PPHE 12-SM1	PPHE 16-SM1	PPHE 20-SM1
RE	5.0	6.0	8.0	10.0
BS	–	–	–	–

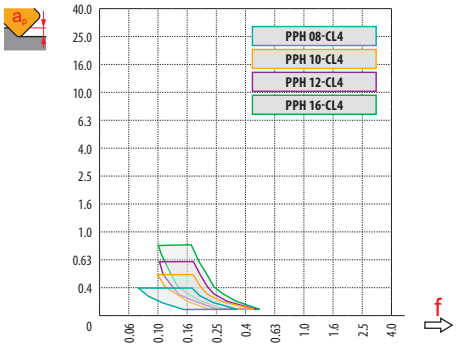
	PPHF 08-CE1	PPHF 10-CE1	PPHF 12-CE1	PPHF 16-CE1	PPHF 20-CE1	PPHF 25-CE1
RE	0.6	0.8	1.0	1.3	1.6	1.9
BS	0.40	0.50	0.60	0.80	1.00	1.20

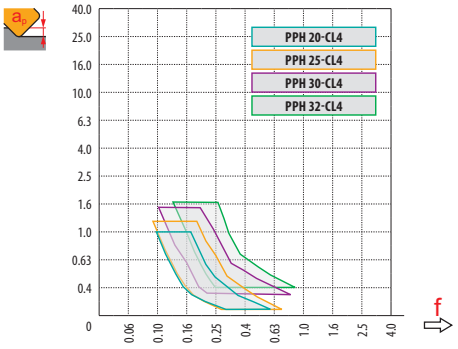
	PPHT 08-A2	PPHT 08-A2	PPHT 08-A2	PPHT 08-A2	PPHT 10-A2	PPHT 10-A2	PPHT 10-A2	PPHT 12-A2	PPHT 12-A2	PPHT 12-A2	PPHT 16-A2
RE	0.3	0.5	0.8	1.0	0.5	0.8	1.0	0.5	1.0	2.0	1.0
BS	–	–	–	–	–	–	–	–	–	–	–

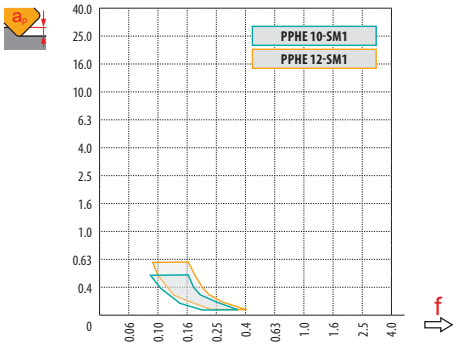
	PPHT 16-A2	PPHT 16-A2	PPHT 16-A2	PPHT 20-A2	PPHT 20-A2	PPHT 20-A2	PPHT 20-A2	PPHT 25-A2
RE	1.3	2.0	3.0	1.0	1.6	3.0	4.0	2.0
BS	–	–	–	–	–	–	–	–

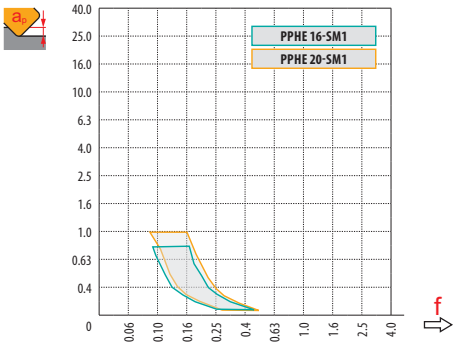

PPH 08-CL1
PPH 10-CL1
PPH 12-CL1
PPH 16-CL1

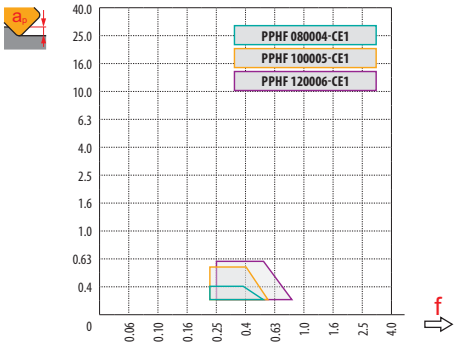

PPH 20-CL1
PPH 25-CL1
PPH 30-CL1
PPH 32-CL1

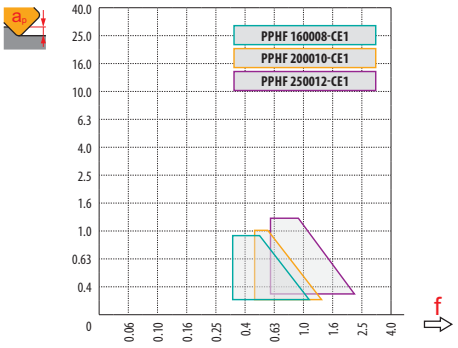

PPH 08-CL4
PPH 10-CL4
PPH 12-CL4
PPH 16-CL4

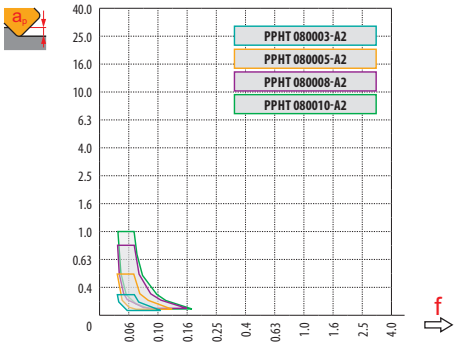

PPH 20-CL4
PPH 25-CL4
PPH 30-CL4
PPH 32-CL4

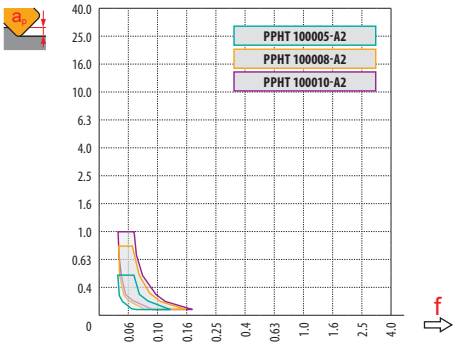

PPHE 10-SM1
PPHE 12-SM1

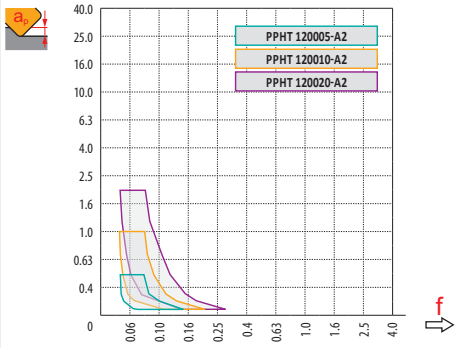

PPHE 16-SM1
PPHE 20-SM1

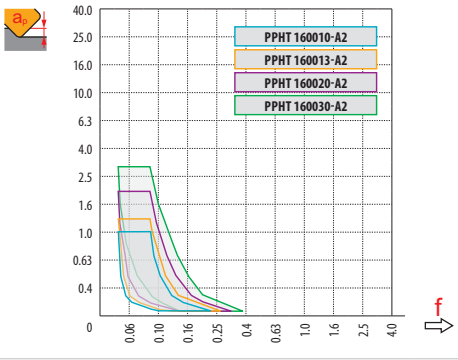

PPHF 080004-CE1
PPHF 100005-CE1
PPHF 120006-CE1

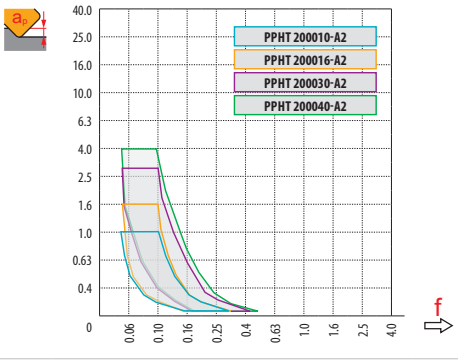

PPHF 160008-CE1
PPHF 200010-CE1
PPHF 250012-CE1

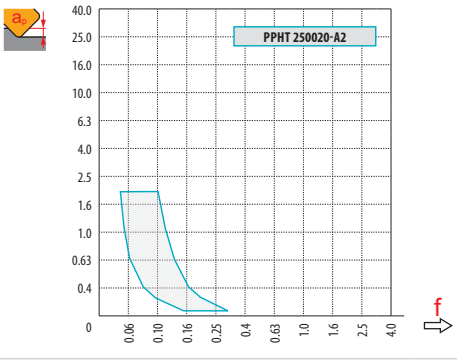

PPHT 080003-A2
PPHT 080005-A2
PPHT 080008-A2
PPHT 080010-A2


PPHT 100005-A2
PPHT 100008-A2
PPHT 100010-A2


PPHT 120005-A2
PPHT 120010-A2
PPHT 120020-A2







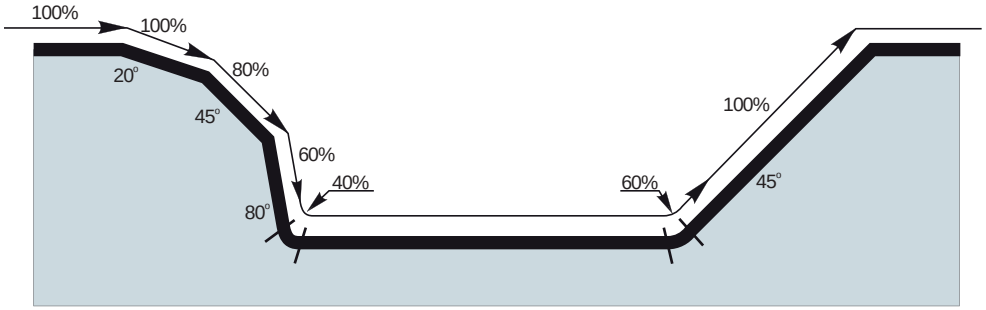
	DCX	a_p	0.3	0.4	0.5	0.7	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10.0	12.0	15.0	16.0
PPH 08	**8**		3.0	3.5	3.9	4.5	5.3	5.8	6.2	6.9	7.4	7.7	8.0	–	–	–	–	–	–	–
PPH 10	**10**		3.4	3.9	4.4	5.1	6.0	6.6	7.1	8.0	8.7	9.2	9.8	10.0	–	–	–	–	–	–
PPH 12	**12**		3.7	4.3	4.8	5.6	6.6	7.3	7.9	8.9	9.7	10.4	11.3	11.8	12.0	–	–	–	–	–
PPH 16	**16**	DEF	4.3	5.0	5.6	6.5	7.7	8.6	9.3	10.6	11.6	12.5	13.9	14.8	15.5	16.0	–	–	–	–
PPH 20	**20**		4.9	5.6	6.2	7.4	8.7	9.7	10.5	12.0	13.2	14.3	16.0	17.3	18.3	19.6	20.0	–	–	–
PPH 25	**25**		5.4	6.3	7.0	8.2	9.8	10.9	11.9	13.6	15.0	16.2	18.3	20.0	21.4	23.3	24.5	25.0	–	–
PPH 30	**30**		5.97	6.88	7.68	9.06	10.77	11.99	13.08	14.97	16.58	18.00	20.40	22.36	24.00	26.53	28.28	29.39	30.00	–
PPH 32	**32**		6.17	7.11	7.94	9.36	11.14	12.40	13.53	15.49	17.18	18.65	21.17	23.24	24.98	27.71	29.66	30.98	31.94	32.00

	DCX	µm	3	5	10	15	20	30	40	50	60	80	100
PPH 08	**8**		0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789
PPH 10	**10**	FE	0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000
PPH 12	**12**		0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191
PPH 16	**16**		0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
PPH 20	**20**	FE	0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
PPH 25	**25**		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
PPH 30	**30**		0.600	0.775	1.095	1.342	1.549	1.897	2.191	2.449	2.683	3.098	3.464
PPH 32	**32**		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578

DEF	a_e	1 %	2.5 %	5 %	7.5 %	10 %	15 %	20 %	25 %	30 %	35 %	40 %	45 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
	a_p										⇨ x.f									
19.9 %	1.0 %	2.86	1.84	1.33	1.12	1.00	0.89	–	–	–	–	–	–	–	–	–	–	–	–	–
31.2 %	2.5 %	3.58	2.28	1.64	1.36	1.20	1.01	0.92	0.88	0.91	–	–	–	–	–	–	–	–	–	–
43.6 %	5.0 %	4.22	2.68	1.92	1.58	1.39	1.16	1.03	0.95	0.90	0.88	0.89	–	–	–	–	–	–	–	–
52.7 %	7.5 %	4.63	2.95	2.10	1.73	1.51	1.26	1.11	1.02	0.96	0.91	0.89	0.88	0.90	–	–	–	–	–	–
60.0 %	10.0 %	4.94	3.14	2.24	1.84	1.61	1.33	1.18	1.07	1.00	0.95	0.91	0.89	0.88	1.00	–	–	–	–	–
71.4 %	15.0 %	5.39	3.42	2.43	2.00	1.74	1.44	1.27	1.15	1.07	1.01	0.96	0.93	0.90	0.88	0.93	–	–	–	–
80.0 %	20.0 %	5.70	3.62	2.57	2.11	1.84	1.52	1.33	1.21	1.12	1.05	1.00	0.96	0.93	0.89	0.88	0.89	1.00	–	–
86.6 %	25.0 %	5.93	3.76	2.67	2.20	1.91	1.58	1.38	1.25	1.16	1.08	1.03	0.99	0.95	0.90	0.88	0.88	0.89	–	–
91.7 %	30.0 %	6.10	3.87	2.75	2.26	1.96	1.62	1.42	1.28	1.18	1.11	1.05	1.01	0.97	0.92	0.89	0.88	0.88	0.93	–
95.4 %	35.0 %	6.23	3.95	2.80	2.30	2.00	1.65	1.44	1.31	1.20	1.13	1.07	1.02	0.98	0.93	0.89	0.88	0.88	0.90	–
98.0 %	40.0 %	6.31	4.00	2.84	2.33	2.03	1.67	1.46	1.32	1.22	1.14	1.08	1.03	0.99	0.93	0.90	0.89	0.88	0.89	–
99.5 %	45.0 %	6.36	4.03	2.86	2.35	2.04	1.68	1.47	1.33	1.23	1.15	1.09	1.04	1.00	0.94	0.90	0.89	0.88	0.88	–
100.0 %	50.0 %	6.38	4.04	2.87	2.35	2.05	1.69	1.48	1.33	1.23	1.15	1.09	1.04	1.00	0.94	0.90	0.89	0.88	0.88	1.00

	DCX	RE	a_p 0.0	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.25	1.5	2.0	2.5	3.0	4.0
PPHT 08-A2	**8**	0.3	7.4	8.0	–	–	–	–	–	–	–	–	–	–	–	–	–
PPHT 08-A2		0.5	7.0	7.9	8.0	8.0	–	–	–	–	–	–	–	–	–	–	–
PPHT 08-A2		0.8	6.4	7.6	7.8	7.9	7.9	8.0	8.0	–	–	–	–	–	–	–	–
PPHT 08-A2		1.0	6.0	7.4	7.6	7.7	7.8	7.9	8.0	8.0	8.0	–	–	–	–	–	–
PPHT 10-A2	**10**	0.5	9.0	9.9	10.0	10.0	–	–	–	–	–	–	–	–	–	–	–
PPHT 10-A2		0.8	8.4	9.6	9.8	9.9	9.9	10.0	10.0	–	–	–	–	–	–	–	–
PPHT 10-A2		1.0	8.0	9.4	9.6	9.7	9.8	9.9	10.0	10.0	10.0	–	–	–	–	–	–
PPHT 12-A2	**12**	0.5	11.0	11.9	12.0	12.0	–	–	–	–	–	–	–	–	–	–	–
PPHT 12-A2		1.0	10.0	11.4	11.6	11.7	11.8	11.9	12.0	12.0	12.0	–	–	–	–	–	–
PPHT 12-A2		2.0	8.0	10.1	10.4	10.6	10.9	11.0	11.2	11.3	11.5	11.7	11.9	12.0	–	–	–
PPHT 16-A2	**16**	1.0	14.0	15.4	15.6	15.7	15.8	15.9	16.0	16.0	16.0	–	–	–	–	–	–
PPHT 16-A2		1.3	13.4	15.1	15.3	15.4	15.6	15.7	15.8	15.9	15.9	16.0	–	–	–	–	–
PPHT 16-A2		2.0	12.0	14.1	14.4	14.6	14.9	15.0	15.2	15.3	15.5	15.7	15.9	16.0	–	–	–
PPHT 16-A2		3.0	10.0	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.5	14.9	15.2	15.7	15.9	16.0	–
PPHT 20-A2	**20**	1.0	18.0	19.4	19.6	19.7	19.8	19.9	20.0	20.0	20.0	–	–	–	–	–	–
PPHT 20-A2		1.6	16.8	18.7	18.9	19.1	19.3	19.4	19.6	19.7	19.8	19.9	20.0	–	–	–	–
PPHT 20-A2		3.0	14.0	16.6	17.0	17.3	17.6	17.9	18.1	18.3	18.5	18.9	19.2	19.7	19.9	20.0	–
PPHT 20-A2		4.0	12.0	15.0	15.5	15.9	16.2	16.5	16.8	17.1	17.3	17.8	18.2	18.9	19.4	19.7	20.0
PPHT 25-A2	**25**	2.0	21.0	23.1	23.4	23.6	23.9	24.0	24.2	24.3	24.5	24.7	24.9	25.0	–	–	–
PPHF 08-CE1	**8**	0.6	2.8	6.0	7.1	–	–	–	–	–	–	–	–	–	–	–	–
PPHF 10-CE1	**10**	0.8	3.6	6.8	7.9	9.0	–	–	–	–	–	–	–	–	–	–	–
PPHF 12-CE1	**12**	1.0	4.2	7.4	8.5	9.6	10.7	11.8	–	–	–	–	–	–	–	–	–
PPHF 16-CE1	**16**	1.3	5.6	8.8	9.9	11.0	12.1	13.2	14.2	15.3	–	–	–	–	–	–	–
PPHF 20-CE1	**20**	1.6	7.2	10.4	11.5	12.6	13.7	14.8	15.8	16.9	18.0	–	–	–	–	–	–
PPHF 25-CE1	**25**	1.9	9.2	12.4	13.5	14.6	15.7	16.8	17.8	18.9	20.0	22.7	–	–	–	–	–

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
8	FE	0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789
10		0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000
12		0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191
16		0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
RE	**µm**	**3**	**5**	**10**	**15**	**20**	**30**	**40**	**50**	**60**	**80**	**100**
1.3	FE	0.177	0.228	0.322	0.395	0.456	0.559	0.645	0.721	0.790	0.912	1.020
1.6		0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
1.9		0.214	0.276	0.390	0.477	0.551	0.675	0.780	0.872	0.955	1.103	1.233
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549
4.0		0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789



	DCX	RE	max
PPHT 08-A2	8	0.3	2.4
PPHT 08-A2		0.5	2.4
PPHT 08-A2		0.8	2.5
PPHT 08-A2		1.0	2.7
PPHT 10-A2	10	0.5	3.2
PPHT 10-A2		0.8	3.3
PPHT 10-A2		1.0	3.4
PPHT 12-A2	12	0.5	4.0
PPHT 12-A2		1.0	4.2
PPHT 12-A2		2.0	4.6
PPHT 16-A2	16	1.0	5.7
PPHT 16-A2		1.3	5.8
PPHT 16-A2		2.0	6.0
PPHT 16-A2		3.0	6.4
PPHT 20-A2	20	1.0	7.2
PPHT 20-A2		1.6	7.4
PPHT 20-A2		3.0	7.8
PPHT 20-A2		4.0	8.2
PPHT 25-A2	25	2.0	9.3

	DCX	RE	max
PPHF 08-CE1	8	0.6	2.0
PPHF 10-CE1	10	0.8	2.5
PPHF 12-CE1	12	1.0	3.0
PPHF 16-CE1	16	1.3	4.0
PPHF 20-CE1	20	1.6	5.0
PPHF 25-CE1	25	1.9	6.0

	DCX	RE	RPMX	APMX/l
PPHT 08-A2	8	0.3	6.3	1.2/11
PPHT 08-A2		0.5	6.1	1.2/12
PPHT 08-A2		0.8	5.7	1.2/12
PPHT 08-A2		1.0	6.8	1.2/11
PPHT 10-A2	10	0.5	6.9	1.5/13
PPHT 10-A2		0.8	6.6	1.5/13
PPHT 10-A2		1.0	7.5	1.5/12
PPHT 12-A2	12	0.5	7.9	1.8/13
PPHT 12-A2		1.0	7.5	1.8/14
PPHT 12-A2		2.0	9.0	1.8/12
PPHT 16-A2	16	1.0	8.9	2.4/16
PPHT 16-A2		1.3	8.9	2.4/16
PPHT 16-A2		2.0	8.5	2.4/17
PPHT 16-A2		3.0	12.3	2.4/11
PPHT 20-A2	20	1.0	9.3	3/19
PPHT 20-A2		1.6	9.1	3/19
PPHT 20-A2		3.0	8.8	3/20
PPHT 20-A2		4.0	11.4	3/15
PPHT 25-A2	25	2.0	8.3	3.7/26

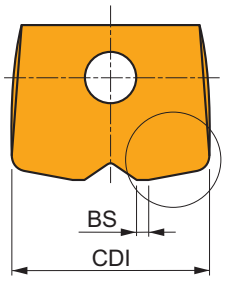
	DCX	RE	RPMX	APMX/l
PPHF 08-CE1	8	0.6	8.0	0.4/3
PPHF 10-CE1	10	0.8	8.0	0.5/4
PPHF 12-CE1	12	1.0	8.0	0.6/5
PPHF 16-CE1	16	1.3	8.0	0.8/6
PPHF 20-CE1	20	1.6	8.0	1.0/8
PPHF 25-CE1	25	1.9	8.0	1.2/9

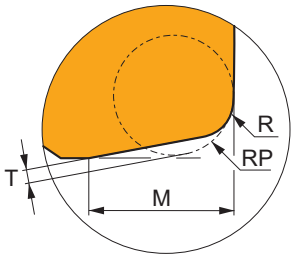
	DCX	RE	DMIN	DMAX	SMAX DMIN	SMAX DMAX
PPHT 08-A2	8	0.3	11.0	15.9	0.5	0.5
PPHT 08-A2		0.5	10.9	15.9	0.5	0.5
PPHT 08-A2		0.8	10.7	15.9	0.4	0.4
PPHT 08-A2		1.0	10.3	15.9	0.4	0.4
PPHT 10-A2	10	0.5	13.4	19.9	0.7	0.7
PPHT 10-A2		0.8	13.2	19.9	0.6	0.6
PPHT 10-A2		1.0	12.9	19.9	0.6	0.6
PPHT 12-A2	12	0.5	15.8	23.9	1.0	1.0
PPHT 12-A2		1.0	15.4	23.9	0.8	0.8
PPHT 12-A2		2.0	14.6	23.9	0.7	0.7
PPHT 16-A2	16	1.0	20.4	31.9	1.3	1.3
PPHT 16-A2		1.3	20.2	31.9	1.3	1.3
PPHT 16-A2		2.0	19.7	31.9	1.0	1.0
PPHT 16-A2		3.0	18.9	31.9	1.2	1.2
PPHT 20-A2	20	1.0	25.4	39.9	1.8	1.8
PPHT 20-A2		1.6	24.9	39.9	1.6	1.6
PPHT 20-A2		3.0	24.1	39.9	1.2	1.2
PPHT 20-A2		4.0	23.3	39.9	1.3	1.3
PPHT 25-A2	25	2.0	31.1	49.9	1.8	1.8

	DCX	RE	DMIN	DMAX	SMAX DMIN	SMAX DMAX
PPHF 08-CE1	8	0.6	10.0	14.7	0.40	0.40
PPHF 10-CE1	10	0.8	13.0	18.4	0.50	0.50
PPHF 12-CE1	12	1.0	15.7	22.0	0.60	0.60
PPHF 16-CE1	16	1.3	20.9	29.4	0.80	0.80
PPHF 20-CE1	20	1.6	26.2	36.7	1.00	1.00
PPHF 25-CE1	25	1.9	33.0	46.1	1.20	1.20

	DCX	RE	a_p
PPHT 08-A2	**8**	0.3	0.52
PPHT 08-A2		0.5	0.47
PPHT 08-A2		0.8	0.39
PPHT 08-A2		1.0	0.40
PPHT 10-A2	**10**	0.5	0.69
PPHT 10-A2		0.8	0.61
PPHT 10-A2		1.0	0.62
PPHT 12-A2	**12**	0.5	0.97
PPHT 12-A2		1.0	0.79
PPHT 12-A2		2.0	0.68
PPHT 16-A2	**16**	1.0	1.33
PPHT 16-A2		1.3	1.26
PPHT 16-A2		2.0	1.03
PPHT 16-A2		3.0	1.15
PPHT 20-A2	**20**	1.0	1.80
PPHT 20-A2		1.6	1.59
PPHT 20-A2		3.0	1.21
PPHT 20-A2		4.0	1.27
PPHT 25-A2	**25**	2.0	1.83

	DCX	RE	a_p
PPHF 08-CE1	**8**	0.6	0.40
PPHF 10-CE1	**10**	0.8	0.50
PPHF 12-CE1	**12**	1.0	0.60
PPHF 16-CE1	**16**	1.3	0.80
PPHF 20-CE1	**20**	1.6	1.00
PPHF 25-CE1	25	1.9	1.20





DCX	R	RP	M	T
08	0.6	1.0	2.6	0.3
10	0.8	1.2	3.2	0.4
12	1.0	1.5	3.9	0.4
16	1.3	2.0	5.2	0.6
20	1.6	2.5	6.4	0.7
25	1.9	3.0	7.9	0.9

悬伸(长径比)	**< 3.0**	**3.0 – 3.5**	**3.6 – 4.0**	**4.1 – 4.5**	**> 4.6**
速度校正因子	1.0	0.9	0.8	0.7	0.5

SVC22C

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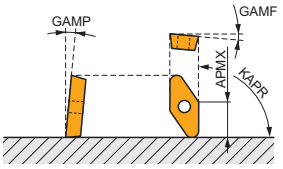
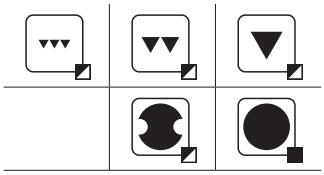
S

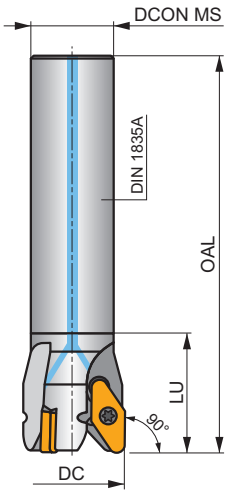
有色金属材质铣刀盘，带内冷

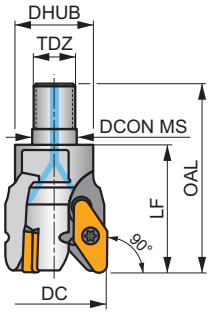
高效富有成效的VCGT22刀片，铝和有色金属材料的高效刀具，具有APMX(最大切深)16 mm。内冷。适用于面铣，渐进式铣削，方肩铣，坡走铣和铣槽。可提供圆柱柄，模块夹紧系统和芯轴式类型，尺寸范围从Ø 32至Ø 80 mm。刀体经过处理，使用寿命更长。

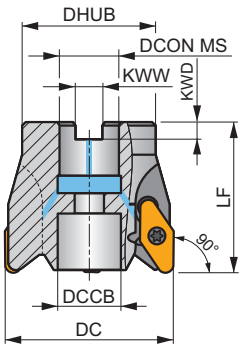
KAPR	90°
APMX	3.0 (16.0) mm











h_m	0.03 – 0.55
h_m	0.03 – 0.5

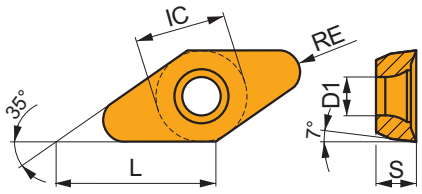
	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	DHUB (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	**32A2R045A25-SVC22C**	32	120	25	–	45	–	–	–	–	–	4	3	2	–	10400	✓	0.46	GI141	C0560
	40A3R045A32-SVC22C	40	150	32	–	45	–	–	–	–	–	8	3	3	–	9300	✓	0.91	GI141	C0560
MODULAR	**32A2R048M16-SVC22C**	32	71	17	–	–	48	29	M16	–	–	11	3	2	–	–	✓	0.23	GI141	C0560
	40A3R048M16-SVC22C	40	71	17	–	–	48	29	M16	–	–	13	3	3	–	–	✓	0.26	GI141	C0560
ISO 6462 DIN 8030	**50A03R-S90VC22C**	50	–	22	18	–	56	40	–	10	6.3	4	3	3	–	8400	✓	0.44	GI141	C0563
	63A04R-S90VC22C	63	–	22	18	–	56	50	–	10	6.3	6	3	4	–	7400	✓	0.68	GI141	C0563
	80A05R-S90VC22C	80	–	27	20	–	56	63	–	12	7	8	3	5	–	6600	✓	1.15	GI141	C0562

GI141	VCGT 220530F-FA

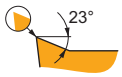
		Nm					
C0560	US 4511-T20	5.0	M 4.5	11	–	–	Flag T20
C0562	US 4511-T20	5.0	M 4.5	11	SDR T20-T	–	–
C0563	US 4511-T20	5.0	M 4.5	11	SDR T20-T	HS 1030C	–

VCGT 22-FA

	IC (mm)	D1 (mm)	L (mm)	S (mm)
2205	12.700	5.20	22.00	5.50



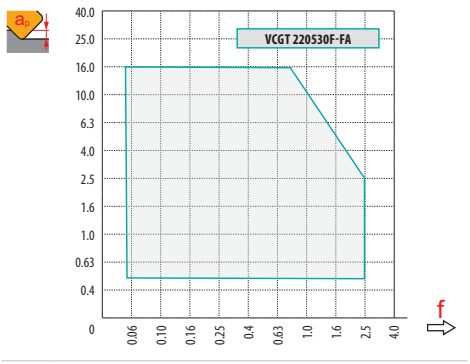
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
VCGT 220530F-FA	HF7	3.0	–	–	–	–	–	–	–	–	–	210	0.48	1.0	–	–	–	–	–	–

FA槽型，具有大正前角设计，适用于中等加工到粗加工。

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	VCGT 22-FA
RE	3.0
BS	–



a_p	0.5	3.0	12.0
f	0.86	0.31	0.05

DC	RPMX	APMX/I
32	8.0	12.0/87
40	8.0	12.0/87
50	6.0	10.4/100
63	4.2	7.2/100
80	3.1	5.3/100

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
32	42.0	64.0	4.2	12.0
40	58.0	80.0	7.7	12.0
50	78.0	100.0	9.0	12.0
63	104.0	126.0	9.3	12.0
80	138.0	160.0	9.7	12.0

a_p
9

DC	µm	3	5	10	15	20	30	40	50	60	80	100
32	FE	0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
RE	µm	3	5	10	15	20	30	40	50	60	80	100
3.0	FE	0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549

SWN04C

P K H

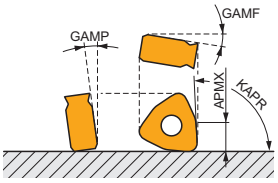
PRAMET

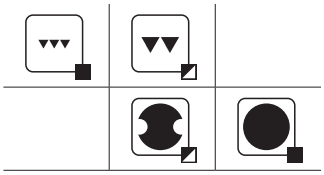
S

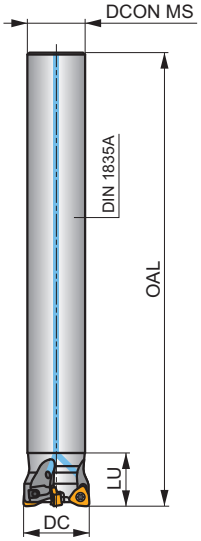
立铣刀用于模具应用，带内冷

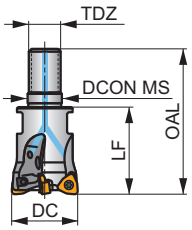
立铣刀，广泛应用APMX(最大切深)为0.5 mm的模具精加工区域。具有6个切削刃的高精度磨削WNHX04刀片，提供了高精度和经济性。可提供圆柱柄和模块夹紧系统类型，尺寸范围Ø 20至Ø 35 mm。刀体经过处理，使用寿命更长。

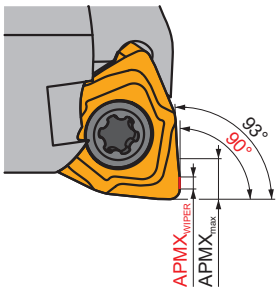
KAPR	90° (93°)
APMX	0.5 (2.0 mm)











h_m 0.02 – 0.07

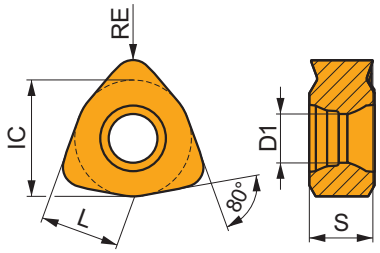
	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	**20A3R020A18-SWN04C-C**	20	160	18	20	–	–	-12	-8	3	–	19700	✓	0.27	GI331	C0602
	25A4R020A22-SWN04C-C	25	180	22	20	–	–	-11.5	-8	4	✓	26600	✓	0.45	GI331	C0602
	32A6R020A25-SWN04C-C	32	200	25	20	–	–	-11.2	-8	6	✓	23500	✓	0.69	GI331	C0602
MODULAR	**20A3R030M10-SWN04C-C**	20	49	10.5	–	30	M10	-12	-8	3	–	–	✓	0.08	GI331	C0602
	25A4R033M12-SWN04C-C	25	55	12.5	–	33	M12	-11.5	-8	4	✓	–	✓	0.11	GI331	C0602
	32A6R040M16-SWN04C-C	32	63	17	–	40	M16	-11.2	-8	6	✓	–	✓	0.19	GI331	C0602
	35A6R043M16-SWN04C-C	35	66	17	–	43	M16	-11.1	-8	6	✓	–	✓	0.22	GI331	C0602

GI331	WNHX0403..

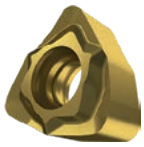
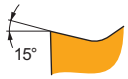
		Nm			
C0602	US 42507-T07P	1.2	M 2.5	7	Flag T07P

WNHX 04

	IC	D1	S
	(mm)	(mm)	(mm)
0403	6.200	2.60	3.38



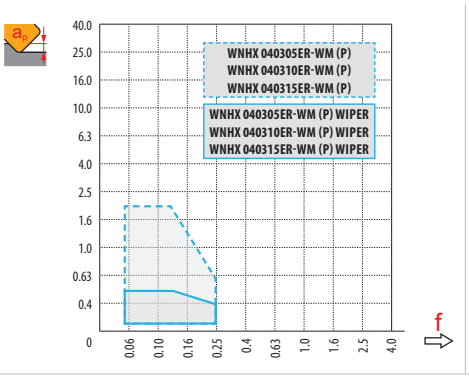
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

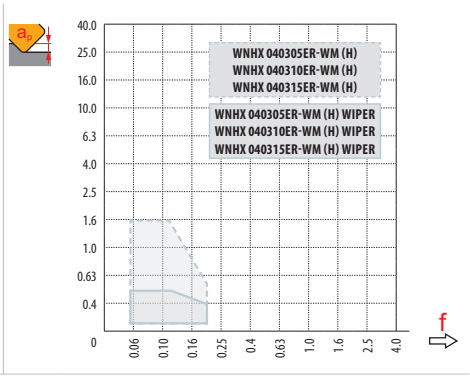
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			WM槽型，具有修光刃设计，适用于半精加工到精加工。																	
WNHX 040305ER-WM	**M4310**	0.5	◪ 290	0.15	1.0	–	–	–	■ 275	0.15	1.0	–	–	–	–	–	–	■ 55	0.15	1.0
	M8330	0.5	■ 260	0.15	1.0	–	–	–	■ 245	0.15	1.0	–	–	–	–	–	–	◪ 50	0.15	1.0
WNHX 040310ER-WM	**M4310**	1.0	◪ 370	0.15	1.0	–	–	–	■ 350	0.15	1.0	–	–	–	–	–	–	■ 70	0.15	1.0
	M8330	1.0	■ 330	0.15	1.0	–	–	–	■ 310	0.15	1.0	–	–	–	–	–	–	◪ 65	0.15	1.0
WNHX 040315ER-WM	**M4310**	1.5	◪ 390	0.15	1.0	–	–	–	■ 370	0.15	1.0	–	–	–	–	–	–	■ 75	0.15	1.0
	M8330	1.5	■ 345	0.15	1.0	–	–	–	■ 325	0.15	1.0	–	–	–	–	–	–	◪ 65	0.15	1.0

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00

a_e / DC	0.5 %	1.0 %	2.0 %	3.0 %	4.0 %	5.0 %
X.V	2.04	1.85	1.68	1.59	1.53	1.48

	WNHX 04-WM		
RE	0.5	1.0	1.5
BS	0.50	0.50	0.50





DC	max
20	0.4
25	0.5
32	0.5
35	0.5

DC	RPMX	APMX/l
20	0.7	1.1/100
25	0.5	0.75/100
32	0.3	0.4/100
35	0.3	0.4/100

SCN05C

P K H

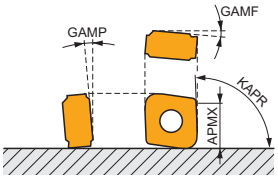
PRAMET

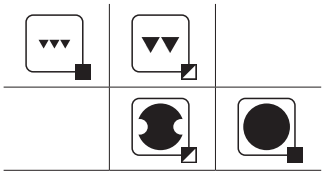
S

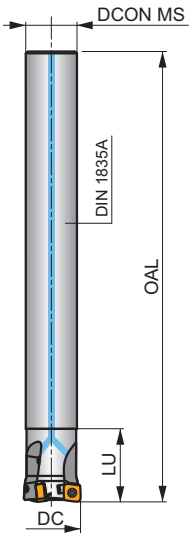
立铣刀用于模具应用，带内冷

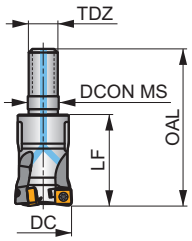
立铣刀，广泛应用APMX(最大切深)为0.5 mm的模具精加工区域。具有4个切削刃的高精度磨削双面CNHX05刀片，提供了高精度和经济性。可提供圆柱柄和模块夹紧系统类型，尺寸范围Ø 12至Ø 20 mm。刀体经过处理，使用寿命更长。

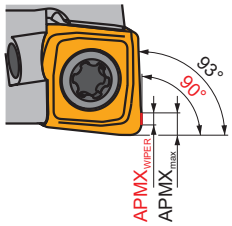
KAPR	90° (93°)
APMX	0.5 (1.0 mm)











h_m 0.02 – 0.07

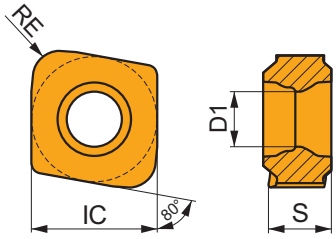
	产品型号	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	**12A2R020A10-SCN05C-C**	12	100	10	20	–	–	-15	-8	2	–	48700	✓	0.08	GI330	C0601
	16A3R020A14-SCN05C-C	16	130	14	20	–	–	-13.5	-7.8	3	–	42200	✓	0.13	GI330	C0601
	20A5R020A18-SCN05C-C	20	160	18	20	–	–	-12.7	-7.5	5	✓	37700	✓	0.28	GI330	C0601
MODULAR	**12A2R020M06-SCN05C-C**	12	35	6.5	–	20	M6	-15	-8	2	–	–	✓	0.04	GI330	C0601
	16A3R025M08-SCN05C-C	16	43	8.5	–	25	M8	-13.5	-7.8	3	–	–	✓	0.06	GI330	C0601
	20A5R030M10-SCN05C-C	20	49	10.5	–	30	M10	-12.7	-7.5	5	✓	–	✓	0.08	GI330	C0601

GI330	CNHX0502..

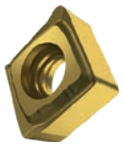
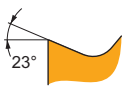
		Nm			
C0601	US 62005-T06P	0.9	M 2	4.9	Flag T06P

CNHX 05

	IC	D1	S
	(mm)	(mm)	(mm)
0502	4.800	2.10	2.40



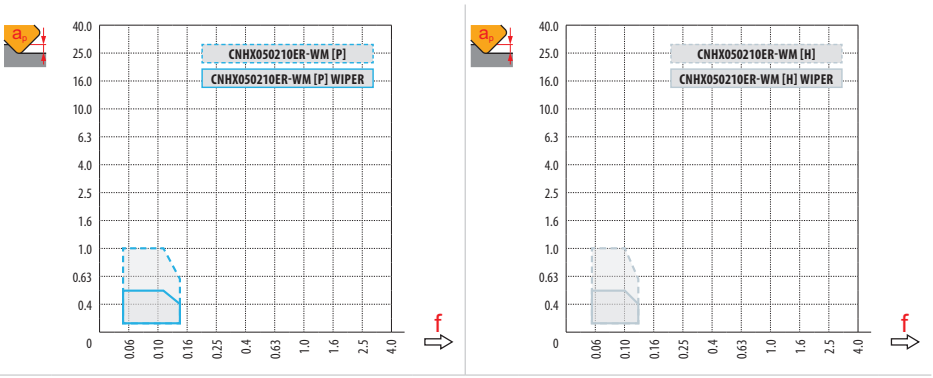
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			WM槽型，具有修光刃设计，适用于半精加工到精加工。																	
CNHX 050205ER-WM	**M4310**	0.5	350	0.10	0.5	–	–	–	335	0.10	0.5	–	–	–	–	–	–	70	0.15	1.0
	M8330	0.5	310	0.10	0.5	–	–	–	290	0.10	0.5	–	–	–	–	–	–	60	0.15	1.0
CNHX 050210ER-WM	**M4310**	1.0	440	0.10	0.5	–	–	–	420	0.10	0.5	–	–	–	–	–	–	85	0.15	1.0
	M8330	1.0	390	0.10	0.5	–	–	–	370	0.10	0.5	–	–	–	–	–	–	75	0.15	1.0

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00

a_e / DC	0.5 %	1.0 %	2.0 %	3.0 %	4.0 %	5.0 %
X.V	2.04	1.85	1.68	1.59	1.53	1.48

	CNHX 05-WM	
RE	0.5	1.0
BS	0.50	0.50



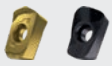
DC	max
12	0.4
16	0.4
20	0.5

DC	RPMX	APMX/I
12	2.4	1/25
16	1.5	1/40
20	1.1	1/54

快进给铣销

快进给铣销

>>>

	SBN10	SSN11 NEW	SPD09	SZD07	SZD09
	20°	18°	19°	–	–
	APMX (mm) 1.0	APMX (mm) 1.7	APMX (mm) 2.0	APMX (mm) 1.0	APMX (mm) 1.0
	DCX (mm) 16 – 42	DCX (mm) 32 – 125	DCX (mm) 32 – 140	DCX (mm) 16 – 32	DCX (mm) 25 – 66
圆柱刀柄	DCX = 16 – 35 (mm)	DCX = 32 – 35 (mm)	DCX = 32 – 40 (mm)	DCX = 16 – 25 (mm)	
侧固刀柄					DCX = 25 – 32 (mm)
模块式刀柄	DCX = 16 – 40 (mm)	DCX = 32 – 40 (mm)		DCX = 16 – 32 (mm)	DCX = 25 – 42 (mm)
套式铣刀	DCX = 40 – 42 (mm)	DCX = 40 – 125 (mm)	DCX = 42 – 140 (mm)		DCX = 40 – 66 (mm)
页码	616	622	627	633	637
ISO	P M K S H	P M K S	P M K S H	P K H	P K H
刀片形状					
刀片	BNGX 10T3 ANHX 10T3	SNGX 1104	PD.. 0905	ZDCW 0703	ZDCW 09T3
切削刃数量	4 / 2	8	5	4	4
平面铣	■	■	■	■	■
螺旋插补	■	◪	■	◪	◪
浅方肩铣	■	■	■	◪	◪
插铣	■	■	■	◪	◪
连续钻铣	■	◪	■	◪	◪
坡走铣	■	◪	■		
形面铣（仿形铣）	■	■	◪	◪	◪
浅槽铣	◪	◪	◪	◪	◪

■ 推荐使用 ◪ 可以使用

<<<

快进给铣销

	SZD12					
	–					
	APMX (mm) 1.6					
	DCX (mm) 32 – 80					
	DCX = 40 (mm)					
	DCX = 32 – 40 (mm)					
	DCX = 50 – 80 (mm)					
	641					
ISO	P K H					
	ZDEW 1204					
	4					
	■					
	◪					
	◪					
	◪					
	◪					
	◪					
	◪					

■ 推荐使用 ◪ 可以使用

SBN10

P M K S H

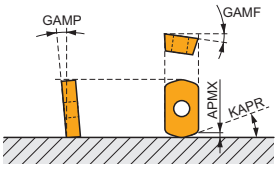
PRAMET

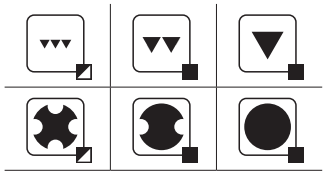
S

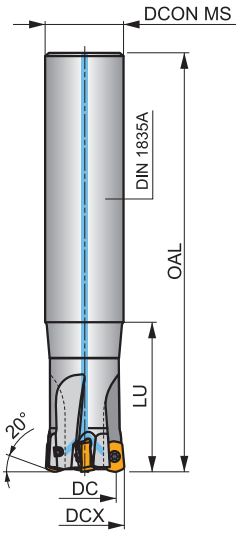
快进给铣刀盘，使用BN.. 10刀片，带内冷，新一代

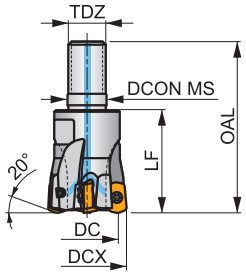
快进给铣刀盘，小尺寸双面BNGX 10刀片，具有4个切削刃和APMX(最大切深)1 mm。内冷。应用范围广泛。可提供圆柱柄，模块夹紧系统和芯轴式类型，尺寸范围从Ø16至Ø42 mm。刀体经过处理，使用寿命更长。

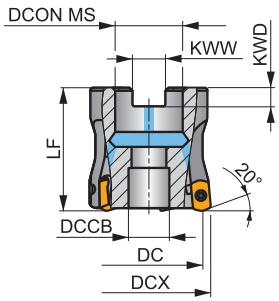
KAPR	20°
APMX	1.0 mm











h_m 0.17 – 0.41

h_m 0.17 – 0.41

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
	16E2R030A16-SBN10-C	16	9.4	100	16	–	30	–	–	–	–	-12	-10	2	✓	31100	✓	0.13	GI329	C0310
	16E2R050A16-SBN10-C	16	9.4	150	16	–	50	–	–	–	–	-12	-10	2	–	31100	✓	0.18	GI329	C0310
	16E2R030A14-SBN10-C	16	9.4	150	14	–	30	–	–	–	–	-12	-10	2	–	31100	✓	0.15	GI329	C0310
	18E2R030A16-SBN10-C	18	11.4	150	16	–	30	–	–	–	–	-11	-10	2	–	29200	✓	0.20	GI329	C0310
	20E3R040A20-SBN10-C	20	13.4	130	20	–	40	–	–	–	–	-10	-10	3	–	27700	✓	0.25	GI329	C0310
	20E3R080A20-SBN10-C	20	13.4	160	20	–	80	–	–	–	–	-10	-10	3	–	27700	✓	0.29	GI329	C0310
	20E3R040A18-SBN10-C	20	13.4	180	18	–	40	–	–	–	–	-10	-10	3	–	27700	✓	0.30	GI329	C0310
	20E4R040A20-SBN10-C	20	13.4	130	20	–	40	–	–	–	–	-10	-10	4	–	27700	✓	0.26	GI329	C0310
DIN 1835A	**25E4R050A25-SBN10-C**	25	18.4	140	25	–	50	–	–	–	–	-9	-10	4	✓	24800	✓	0.42	GI329	C0310
	25E4R100A25-SBN10-C	25	18.4	180	25	–	100	–	–	–	–	-9	-10	4	✓	24800	✓	0.51	GI329	C0310
	25E4R050A22-SBN10-C	25	18.4	220	22	–	50	–	–	–	–	-9	-10	4	✓	24800	✓	0.54	GI329	C0310
	25E5R050A25-SBN10-C	25	18.4	140	25	–	50	–	–	–	–	-9	-10	5	–	24800	✓	0.42	GI329	C0310
	32E5R070A32-SBN10-C	32	25.4	150	32	–	70	–	–	–	–	-8	-10	5	✓	21900	✓	0.73	GI329	C0310
	32E6R070A32-SBN10-C	32	25.4	150	32	–	70	–	–	–	–	-8	-10	6	✓	21900	✓	0.73	GI329	C0310
	32E5R120A32-SBN10-C	32	25.4	200	32	–	120	–	–	–	–	-8	-10	5	✓	21900	✓	1.02	GI329	C0310
	35E5R050A32-SBN10-C	35	28.4	200	32	–	50	–	–	–	–	-7.5	-10	5	✓	21000	✓	1.08	GI329	C0310
	35E6R050A32-SBN10-C	35	28.4	200	32	–	50	–	–	–	–	-7.5	-10	6	✓	21000	✓	1.08	GI329	C0310
	16E2R025M08-SBN10-C	16	9.4	43	8.5	–	–	25	M8	–	–	-12	-10	2	–	31100	✓	0.03	GI329	C0310
	18E2R025M08-SBN10-C	18	11.4	43	8.5	–	–	25	M8	–	–	-11	-10	2	–	29200	✓	0.06	GI329	C0310
	20E3R030M10-SBN10-C	20	13.4	49	10.5	–	–	30	M10	–	–	-10	-10	3	–	27700	✓	0.08	GI329	C0310
	20E4R030M10-SBN10-C	20	13.4	49	10.5	–	–	30	M10	–	–	-10	-10	4	–	27700	✓	0.08	GI329	C0310
MODULAR	**25E4R033M12-SBN10-C**	25	18.4	55	12.5	–	–	33	M12	–	–	-9	-10	4	✓	24800	✓	0.08	GI329	C0310
	25E5R033M12-SBN10-C	25	18.4	55	12.5	–	–	33	M12	–	–	-9	-10	5	–	24800	✓	0.10	GI329	C0310
	28E5R035M12-SBN10-C	28	21.4	57	12.5	–	–	35	M12	–	–	-8.5	-10	5	✓	23400	✓	0.13	GI329	C0310
	32E5R040M16-SBN10-C	32	25.4	63	17	–	–	40	M16	–	–	-8	-10	5	✓	21900	✓	0.21	GI329	C0310
	32E6R040M16-SBN10-C	32	25.4	63	17	–	–	40	M16	–	–	-8	-10	6	✓	21900	✓	0.21	GI329	C0310
	35E6R043M16-SBN10-C	35	28.4	66	17	–	–	43	M16	–	–	-7.5	-10	6	✓	21000	✓	0.24	GI329	C0310

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
MODULAR	**40E6R043M16-SBN10-C**	40	33.4	66	17	–	–	43	M16	–	–	-7	-10	6	✓	19600	✓	0.27	GI329	C0310
MODULAR	**40E7R043M16-SBN10-C**	40	33.4	66	17	–	–	43	M16	–	–	-7	-10	7	✓	19600	✓	0.26	GI329	C0310
ISO 6462 DIN 8030	**40A05R-SM0BN10-C**	40	33.4	–	16	14.1	–	40	–	8.4	5.6	-7	-10	5	✓	19600	✓	0.23	GI329	C0312
ISO 6462 DIN 8030	**40A07R-SM0BN10-C**	40	33.4	–	16	14.1	–	40	–	8.4	5.6	-7	-10	7	✓	19600	✓	0.27	GI329	C0312
ISO 6462 DIN 8030	**42A05R-SM0BN10-C**	42	35.4	–	16	14.1	–	40	–	8.4	5.6	-7	-10	5	✓	19100	✓	0.23	GI329	C0312
ISO 6462 DIN 8030	**42A07R-SM0BN10-C**	42	35.4	–	16	14.1	–	40	–	8.4	5.6	-7	-10	7	✓	19100	✓	0.26	GI329	C0312

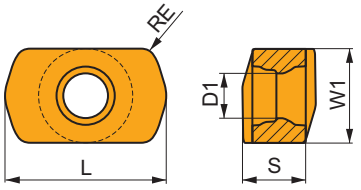
GI329	BNGX 10T3…	ANHX 10T3..

		Nm					
C0310	US 42507-T07P	3.0	M 2.5	7	Flag T07P	–	–
C0312	US 42507-T07P	3.0	M 2.5	7	D-T07P/T09P	FG-15	HS 0830C

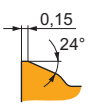
BNGX 10

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
10T3	5.800	2.76	9.92	3.90

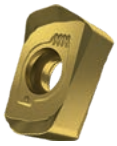
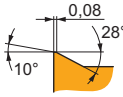
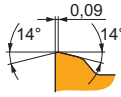


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
BNGX 10T308SR-M	**8215**	0.8	■ 240	0.65	0.7	–	–	–	■ 225	0.65	0.7	–	–	–	–	–	–	◪ 45	0.15	1.0
	M6330	0.8	■ 210	0.65	0.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	0.8	■ 250	0.65	0.7	–	–	–	■ 235	0.65	0.7	–	–	–	–	–	–	◪ 50	0.15	1.0
	M8330	0.8	■ 240	0.65	0.7	–	–	–	■ 225	0.65	0.7	–	–	–	–	–	–	◪ 45	0.15	1.0
	M8340	0.8	■ 225	0.65	0.7	–	–	–	◪ 210	0.65	0.7	–	–	–	–	–	–	–	–	–
	M8345	0.8	■ 180	0.65	0.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M9325	0.8	■ 275	0.65	0.7	–	–	–	■ 260	0.65	0.7	–	–	–	–	–	–	◪ 55	0.15	1.0

M槽型，具有正前角设计，适用于快进给。

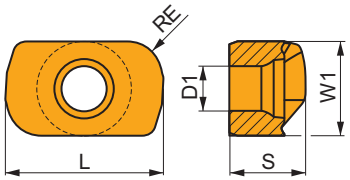
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			MM槽型，具有大正前角设计，适用于快进给。																	
BNGX 10T308SR-MM	**M6330**	0.8	215	0.65	0.6	150	0.59	0.6	–	–	–	–	–	–	60	0.46	0.5	–	–	–
	M8310	0.8	255	0.65	0.6	130	0.59	0.6	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	0.8	245	0.65	0.6	145	0.59	0.6	–	–	–	–	–	–	60	0.46	0.5	–	–	–
	M8340	0.8	230	0.65	0.6	135	0.59	0.6	–	–	–	–	–	–	55	0.46	0.5	–	–	–
	M8345	0.8	180	0.65	0.6	105	0.59	0.6	–	–	–	–	–	–	45	0.46	0.5	–	–	–
	M9325	0.8	280	0.65	0.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	0.8	250	0.65	0.6	150	0.59	0.6	–	–	–	–	–	–	60	0.46	0.5	–	–	–
																				
			HM槽型，具有强壮的设计，适用于快进给。																	
BNGX 10T308SR-HM	**8215**	0.8	–	–	–	–	–	–	290	0.30	0.4	–	–	–	–	–	–	60	0.15	1.0
	M8310	0.8	–	–	–	–	–	–	305	0.30	0.4	–	–	–	–	–	–	65	0.15	1.0
	M8330	0.8	–	–	–	–	–	–	285	0.30	0.4	–	–	–	–	–	–	60	0.15	1.0

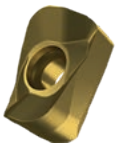
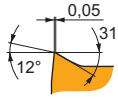
ANHX 10

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
10T3	5.800	2.76	9.72	4.70



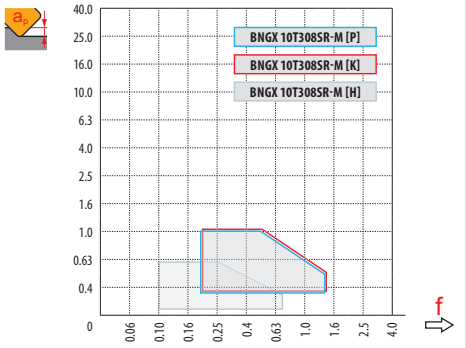
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

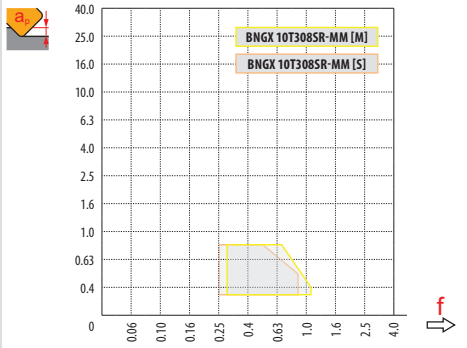
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			F槽型，具有正前角设计，适用于精加工和半精加工。																	
ANHX 10T320SR-F	**M8310**	2.0	380	0.10	2.5	190	0.09	2.5	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	2.0	340	0.10	2.5	200	0.09	2.5	–	–	–	–	–	–	–	–	–	–	–	–

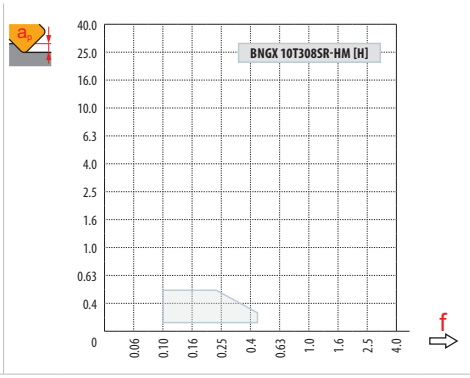
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

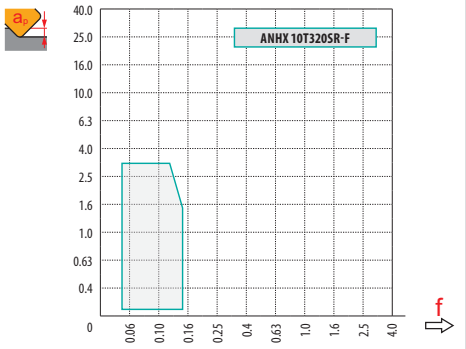
	BNGX 10-M	BNGX 10-MM	BNGX 10-HM
RE	0.8	0.8	0.8
BS	–	–	–

	ANHX 10 - F
RE	2.0
BS	0.92









BNGX 10 (HFC)

DCX	a_p	0.00	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
16	DEF	9.40	12.85	13.36	13.80	14.20	14.56	14.88	15.19	15.47
18		11.40	14.85	15.36	15.80	16.20	16.56	16.88	17.19	17.47
20		13.40	16.85	17.36	17.80	18.20	18.56	18.88	19.19	19.47
25		18.40	21.85	22.36	22.80	23.20	23.56	23.88	24.19	24.47
28		21.40	24.85	25.36	25.80	26.20	26.56	26.88	27.19	27.47
32		25.40	28.85	29.36	29.80	30.20	30.56	30.88	31.19	31.47
35		28.40	31.85	32.36	32.80	33.20	33.56	33.88	34.19	34.47
40		33.40	36.85	37.36	37.80	38.20	38.56	38.88	39.19	39.47
42		35.40	38.85	39.36	39.80	40.20	40.56	40.88	41.19	41.47
	a_p	**0.00**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	f	–	1.30	1.10	0.90	0.80	0.72	0.68	0.65	0.50

BNGX 10

DCX	a_{emax}	f_{max}
16	3.5	0.12
18	3.5	0.12
20	4.0	0.15
25	4.0	0.15
28	4.0	0.17
32	4.0	0.17
35	4.0	0.17
40	4.0	0.17
42	4.0	0.17

BNGX 10 (HFC)

a_p	0.3	0.6	1.0
f	1.10	0.60	0.30

BNGX 10 (HFC)

DCX	RPMX	APMX/I
16	4.0	1/16
18	4.0	1/16
20	4.0	1/16
25	2.8	1/22
28	2.3	1/26
32	1.9	1/32
35	1.7	1/35
40	1.3	1/46
42	1.3	1/46

ANHX 10

DCX	RPMX	APMX/I
16	1.6	2.65/100
18	1.3	2.15/100
20	1.1	1.80/100
25	0.8	1.25/100
28	0.7	1.10/100
32	0.5	0.75/100
35	0.5	0.75/100
40	0.4	0.55/100
42	0.4	0.55/100

BNGX 10 (HFC)

DCX	a_p	f_{max}
16	0.4	0.15
18	0.7	0.15
20	0.7	0.15
25	0.7	0.15
28	0.7	0.2
32	0.7	0.2
35	0.7	0.2
40	0.7	0.2
42	0.7	0.2

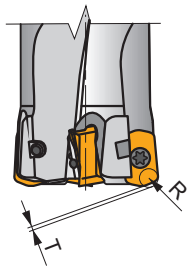
BNGX 10 (HFC)

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
16	22.4	31.8	0.5	0.5
18	25.4	35.8	0.5	0.5
20	29.4	39.8	0.5	0.5
25	39.4	49.8	0.5	0.5
28	45.4	55.8	0.5	0.5
32	53.4	63.8	0.5	0.5
35	59.4	69.8	0.5	0.5
40	69.4	79.8	0.5	0.5
42	73.4	83.8	0.5	0.5

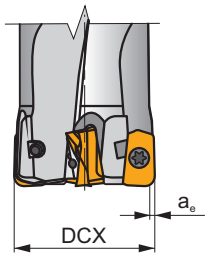
DCX	µm	3	5	10	15	20	30	40	50	60	80	100
16	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
18		0.465	0.600	0.849	1.039	1.200	1.470	1.697	1.897	2.078	2.400	2.683
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
28		0.580	0.748	1.058	1.296	1.497	1.833	2.117	2.366	2.592	2.993	3.347
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
35		0.648	0.837	1.183	1.449	1.673	2.049	2.366	2.646	2.898	3.347	3.742
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
42		0.710	0.917	1.296	1.587	1.833	2.245	2.592	2.898	3.175	3.666	4.099

ANHX 10

RE	µm	3	5	10	15	20	30	40	50	60	80	100
2.0	FE	0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265



	R	T
BNGX 10T308	1.60	0.44



	max a_e/DCX
ANHX 10T320	0.05

NEW

SSN11

P M K S

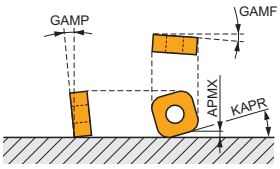
PRAMET

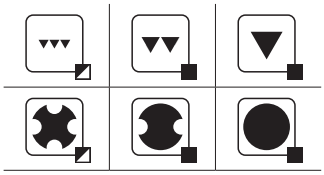
S

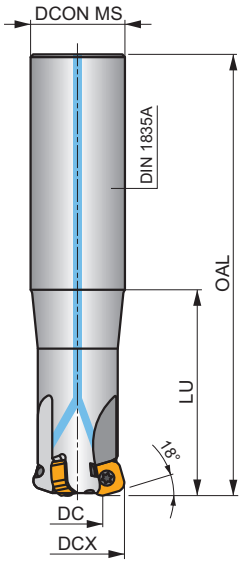
快进给铣刀盘，使用SN.. 11刀片，带内冷，新一代

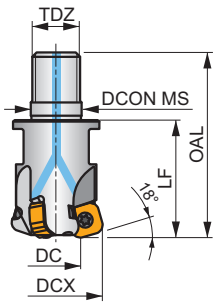
快进给铣刀盘，更大尺寸双面SNXG 11刀片，具有8个切削刃和APMX(最大切深)1.7 mm。内冷。应用范围广泛。可提供圆柱柄，模块夹紧系统和芯轴式类型，尺寸范围从Ø32至Ø125 mm。刀体经过处理，使用寿命更长。

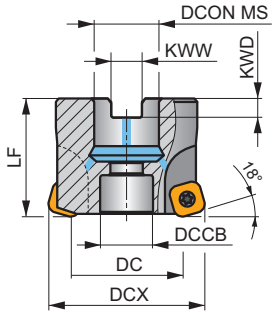
KAPR	18°
APMX	1.7 mm











0.20 – 0.46 h_m

0.20 – 0.46 h_m

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)		ZNP		max.		kg			
DIN 1835A	32E3R070A32-SSN11-C	32	18.3	150	32	–	70	–	–	–	–	-11.5	-10	3	–	–	17500	✓	0.69	GI339	C0314	–
	32E3R120A32-SSN11-C	32	18.3	200	32	–	120	–	–	–	–	-11.5	-10	3	–	–	17500	✓	0.89	GI339	C0314	–
	35E3R050A32-SSN11-C	35	21.2	200	32	–	50	–	–	–	–	-11	-10	3	–	–	16800	✓	1.11	GI339	C0314	–
MODULAR	32E3R040M16-SSN11-C	32	18.3	63	17	–	–	40	M16	–	–	-11.5	-10	3	–	–	17500	✓	0.17	GI339	C0314	–
	35E3R040M16-SSN11-C	35	21.2	63	17	–	–	40	M16	–	–	-11	-10	3	–	–	16800	✓	0.19	GI339	C0314	–
	40E4R043M16-SSN11-C	40	26.2	66	17	–	–	43	M16	–	–	-10.5	-10	4	–	✓	15700	✓	0.23	GI339	C0314	–
ISO 6462 DIN 8030	40A04R-SMOSN11-C	40	26.2	–	16	12.4	–	40	–	8.4	5.6	-10.5	-10	4	–	✓	15700	✓	0.19	GI339	C0316	–
	42A04R-SMOSN11-C	42	28.2	–	16	14.1	–	40	–	8.4	5.6	-10.5	-10	4	–	✓	15300	✓	0.21	GI339	C0318	–
	50A05R-SMOSN11-C	50	36.1	–	22	18.1	–	40	–	10.4	6.3	-10	-10	5	–	✓	14000	✓	0.31	GI339	C0320	–
	50A06R-SMOSN11-C	50	36.1	–	22	18.1	–	40	–	10.4	6.3	-10	-10	6	–	✓	14000	✓	0.31	GI339	C0320	–
	52A05R-SMOSN11-C	52	38.1	–	22	18.1	–	40	–	10.4	6.3	-10	-10	5	–	✓	13800	✓	0.34	GI339	C0320	–
	52A06R-SMOSN11-C	52	38.1	–	22	18.1	–	40	–	10.4	6.3	-10	-10	6	–	✓	13800	✓	0.33	GI339	C0320	–
	63A06R-SMOSN11-C	63	49.1	–	22	18.1	–	40	–	10.4	6.3	-10	-10	6	–	✓	12500	✓	0.46	GI339	C0320	–
	63A08R-SMOSN11-C	63	49.1	–	22	18.1	–	40	–	10.4	6.3	-10	-10	8	–	✓	12500	✓	0.47	GI339	C0320	–
	66A06R-SMOSN11-C	66	52.1	–	27	18.1	–	50	–	12.4	7	-10	-10	6	–	✓	12200	✓	0.74	GI339	C0322	–
	66A08R-SMOSN11-C	66	52.1	–	27	18.1	–	50	–	12.4	7	-10	-10	8	–	✓	12200	✓	0.75	GI339	C0322	–
	80A07R-SMOSN11-C	80	66.1	–	27	38.1	–	50	–	12.4	7	-10	-10	7	–	✓	11100	✓	0.95	GI339	C0324	AC001
	80A09R-SMOSN11-C	80	66.1	–	27	38.1	–	50	–	12.4	7	-10	-10	9	–	✓	11100	✓	1.04	GI339	C0324	AC001
	100A08R-SMOSN11-C	100	86.1	–	32	45.1	–	50	–	14.4	8	-10	-10	8	–	✓	9900	✓	1.63	GI339	C0324	AC002
	115A08R-SMOSN11-C	115	101.1	–	32	45.1	–	50	–	14.4	8	-10	-10	8	–	✓	9200	✓	2.34	GI339	C0324	AC002
	125A08R-SMOSN11-C	125	111.1	–	40	56.1	–	63	–	16.4	9	-10	-10	8	–	✓	8900	✓	3.39	GI339	C0324	AC003

GI339	SNGX 1104..

		Nm						
C0314	US 44012-T15P	3.5	M 4	12	–	–	Flag T15P	–
C0316	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HCS 0840C
C0318	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 90835
C0320	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 1030C
C0322	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 1230C
C0324	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	–

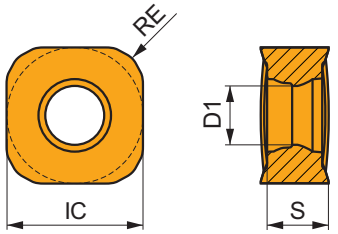
AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

NEW

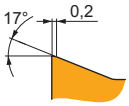
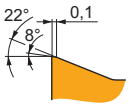
SNGX 11

PRAMET

	IC (mm)	D1 (mm)	S (mm)
1104	10.600	4.56	4.76

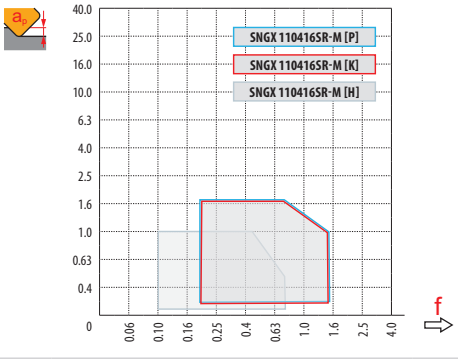


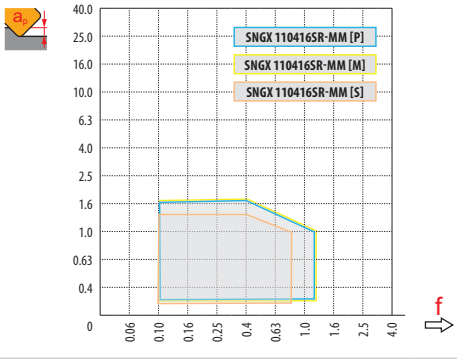
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			M槽型，具有正前角设计，适用于快进给。																	
SNGX 110416SR-M	8215	1.6	260	0.60	1.0	–	–	–	245	0.60	1.0	–	–	–	–	–	–	–	–	–
	M8310	1.6	275	0.60	1.0	–	–	–	260	0.60	1.0	–	–	–	–	–	–	–	–	–
	M8330	1.6	260	0.60	1.0	–	–	–	245	0.60	1.0	–	–	–	–	–	–	–	–	–
	M8340	1.6	245	0.60	1.0	–	–	–	230	0.60	1.0	–	–	–	–	–	–	–	–	–
	M9325	1.6	305	0.60	1.0	–	–	–	285	0.60	1.0	–	–	–	–	–	–	–	–	–
	M9340	1.6	270	0.60	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
			MM槽型，具有大正前角设计，适用于快进给。																	
SNGX 110416SR-MM	M6330	1.6	175	0.60	1.0	125	0.54	1.0	–	–	–	–	–	–	50	0.42	0.8	–	–	–
	M8340	1.6	190	0.60	1.0	110	0.54	1.0	–	–	–	–	–	–	45	0.42	0.8	–	–	–
	M8345	1.6	150	0.60	1.0	90	0.54	1.0	–	–	–	–	–	–	35	0.42	0.8	–	–	–
	M9340	1.6	210	0.60	1.0	125	0.54	1.0	–	–	–	–	–	–	50	0.42	0.8	–	–	–

a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SNGX 11 - M	SNGX 11 - MM
RE	1.6	1.6
BS	–	–





HFC

DCX	a_p	0.00	0.20	0.40	0.60	0.80	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70
32		18.30	19.53	20.76	21.99	23.22	24.46	25.07	25.69	26.30	26.92	27.53	28.15	28.76
35		21.20	22.43	23.66	24.89	26.12	27.36	27.97	28.59	29.20	29.82	30.43	31.05	31.66
40		26.20	27.43	28.66	29.89	31.12	32.36	32.97	33.59	34.20	34.82	35.43	36.05	36.66
42		28.20	29.43	30.66	31.89	33.12	34.36	34.97	35.59	36.20	36.82	37.43	38.05	38.66
50		36.10	37.33	38.56	39.79	41.02	42.26	42.87	43.49	44.10	44.72	45.33	45.95	46.56
52	DEF	38.10	39.33	40.56	41.79	43.02	44.26	44.87	45.49	46.10	46.72	47.33	47.95	48.56
63		49.10	50.33	51.56	52.79	54.02	55.26	55.87	56.49	57.10	57.72	58.33	58.95	59.56
66		52.10	53.33	54.56	55.79	57.02	58.26	58.87	59.49	60.10	60.72	61.33	61.95	62.56
80		66.10	67.33	68.56	69.79	71.02	72.26	72.87	73.49	74.10	74.72	75.33	75.95	76.56
100		86.10	87.33	88.56	89.79	91.02	92.26	92.87	93.49	94.10	94.72	95.33	95.95	96.56
115		101.10	102.33	103.56	104.79	106.02	107.26	107.87	108.49	109.10	109.72	110.33	110.95	111.56
125		111.10	112.33	113.56	114.79	116.02	117.26	117.87	118.49	119.10	119.72	120.33	120.95	121.56
	a_p	–	0.20	0.40	0.60	0.80	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70
	f	–	1.37	0.98	0.81	0.71	0.64	0.62	0.59	0.58	0.56	0.54	0.53	0.52

SNGX		
DCX	$a_{e\,max}$	f_{max}
32	5.0	0.25
35	5.0	0.25
40	5.2	0.30
42	5.2	0.30
50	5.3	0.30
52	5.3	0.30
63	5.4	0.30
66	5.4	0.30
80	5.5	0.35
100	5.5	0.35
115	5.5	0.35
125	5.5	0.35

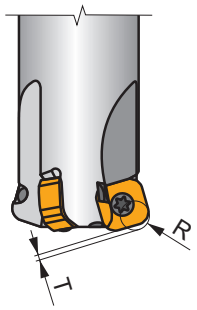
SNGX (HFC)		
DCX	RPMX	APMX/I
32	0.8	1.4/100
35	0.8	1.4/100
40	0.7	1.2/100
42	0.7	1.2/100
50	0.5	0.9/100
52	0.5	0.9/100
63	0.4	0.7/100
66	0.4	0.7/100
80	0.3	0.5/100
100	0.2	0.3/100
115	0.2	0.3/100
125	0.2	0.3/100

SNGX (HFC)		
DCX	a_p	f_{max}
32	0.2	0.3
35	0.2	0.3
40	0.2	0.3
42	0.2	0.3
50	0.3	0.4
52	0.3	0.4
63	0.3	0.4
66	0.3	0.4
80	0.3	0.4
100	0.3	0.4
115	0.3	0.4
125	0.3	0.4

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
35		0.648	0.837	1.183	1.449	1.673	2.049	2.366	2.646	2.898	3.347	3.742
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
42		0.710	0.917	1.296	1.587	1.833	2.245	2.592	2.898	3.175	3.666	4.099
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
52	FE	0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657
100		1.095	1.414	2.000	2.449	2.828	3.464	4.000	4.472	4.899	5.657	6.325
115		1.175	1.517	2.145	2.627	3.033	3.715	4.290	4.796	5.254	6.066	6.782
125		1.225	1.581	2.236	2.739	3.162	3.873	4.472	5.000	5.477	6.325	7.071

	SNGX			
a_p	0.2	0.5	1.0	1.7
f	1.20	1.00	0.50	0.25

SNGX (HFC)				
DCX	DMIN	DMAX	SMAX / DMIN	SMAX / DMAX
32	48.0	63.8	0.7	1.4
35	54.0	69.8	0.8	1.5
40	64.0	79.8	0.9	1.5
42	68.0	83.8	1.0	1.6
50	84.0	99.8	0.9	1.4
52	88.0	103.8	1.0	1.4
63	109.0	125.8	1.0	1.4
66	115.0	131.8	1.1	1.4
80	143.0	159.8	1.0	1.3
100	183.0	199.8	0.9	1.1
115	213.0	229.8	1.1	1.3
125	233.0	249.8	1.2	1.4



SNGX	R	T
SNGX 110416	4.6	0.92

SPD09

P M K S H

PRAMET

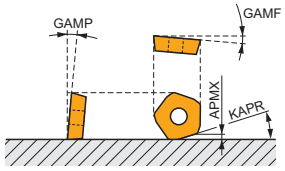
S

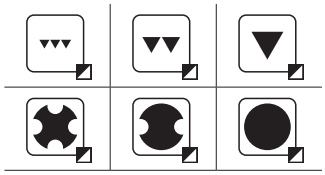
PENTA HF快进给刀盘，带内冷

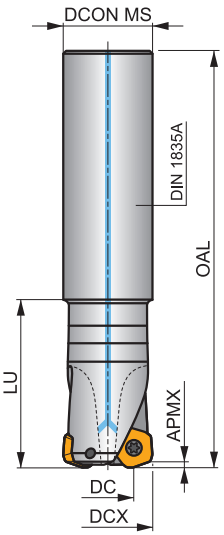
富有成效的快进给铣刀盘，使用单面正前角PD..09刀片，具有5个切削刃和APMX(最大切深)2 mm。内冷。应用范围广泛。可提供圆柱柄和芯轴式类型，尺寸范围从Ø32至Ø140 mm。刀体经过处理，使用寿命更长。

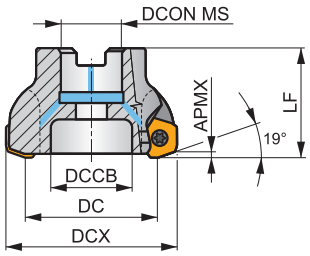
PENTA HF

KAPR	19°
APMX	2.0 mm









h_m 0.065 – 0.975

h_m 0.065 – 0.975

产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835A	**32E2R060A32-SPD09-C**	32	18.4	250	32	–	60	–	-24	10	2	–	13100	✓	1.54	GI245	C0340	–
DIN 1835A	**40E3R060A32-SPD09-C**	40	25.5	250	32	–	60	–	-11	10	3	–	11700	✓	1.43	GI245	C0340	–
	42A03R-S19PD09-C	42	27.5	–	16	12	–	40	-8	10	3	–	11500	✓	0.18	GI245	C0342	–
	50A04R-S19PD09-C	50	35.3	–	22	18	–	40	-3	10	4	–	10500	✓	0.23	GI245	C0343	–
	50A05R-S19PD09-C	50	35.3	–	22	18	–	40	-3	10	5	–	10500	✓	0.36	GI245	C0343	–
	52A04R-S19PD09-C	52	37.3	–	22	18	–	40	-3	10	4	–	10300	✓	0.25	GI245	C0343	–
	63A05R-S19PD09-C	63	48.2	–	22	18	–	40	-1	10	5	–	9400	✓	0.33	GI245	C0343	–
	63A06R-S19PD09-C	63	48.2	–	22	18	–	40	-1	10	6	–	9300	✓	0.46	GI245	C0343	–
	66A06R-S19PD09-C	66	51.2	–	22	18	–	40	-1	10	6	–	9200	✓	0.35	GI245	C0343	–
ISO 6462 DIN 8030	**66A06R-S19PD09-CF**	66	51.2	–	27	22	–	50	-1	10	6	–	9100	✓	0.68	GI245	C0344	–
	80A05R-S19PD09-C	80	65.3	–	27	37	–	50	-1	10	5	–	8300	✓	0.84	GI245	C0341	AC001
	80A06R-S19PD09-C	80	65.3	–	27	37	–	50	-1	10	6	–	8300	✓	0.88	GI245	C0341	AC001
	100A06R-S19PD09-C	100	58.3	–	32	45	–	50	-1	10	6	–	7400	✓	1.46	GI245	C0341	AC002
	100A08R-S19PD09-C	100	85.3	–	32	45	–	50	-1	10	8	–	7400	✓	1.40	GI245	C0341	AC002
	125A08R-S19PD09-C	125	110.3	–	40	36	–	63	-1	10	8	–	6600	✓	3.16	GI245	C0349	–
	125A10R-S19PD09-C	125	110.3	–	40	36	–	63	-1	10	10	–	6600	✓	3.15	GI245	C0349	–
	140A08R-S19PD09-C	140	125.3	–	40	36	–	63	-1	10	8	–	6200	✓	3.62	GI245	C0349	–

GI245	PD.X 0905ZE..	PDKT 0905..	PDMW 0905..

		Nm					
C0340	US 45011-T20P	5.0	M 5	11	–	–	Flag T20P
C0341	US 45011-T20P	5.0	M 5	11	SDR T20P-T	–	–

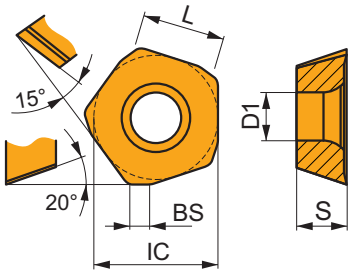
		Nm					
C0342	US 45011-T20P	5.0	M 5	11	SDR T20P-T	HS 90835	–
C0343	US 45011-T20P	5.0	M 5	11	SDR T20P-T	HS 1030C	–
C0344	US 45011-T20P	5.0	M 5	11	SDR T20P-T	HS 1230C	–
C0349	US 45011-T20P	5.0	M 5	11	SDR T20P-T	HSD 2040	–

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32

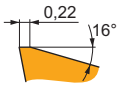
PDKX 09

PRAMET

	BS (mm)	IC (mm)	D1 (mm)	L (mm)	S (mm)
0905	2.00	13.500	5.50	9.00	5.47



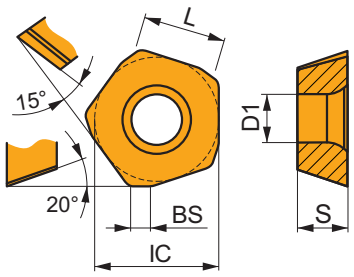
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
PDKX 0905ZEER-FM	**M6330**	–	■ 195	1.00	1.2	■ 135	0.90	1.2	–	–	–	–	–	–	■ 55	0.70	1.0	–	–	–
	M8345	–	■ 165	1.00	1.2	■ 95	0.90	1.2	–	–	–	–	–	–	■ 40	0.70	1.0	–	–	–
	M9340	–	■ 215	1.00	1.2	■ 125	0.90	1.2	–	–	–	–	–	–	■ 50	0.70	1.0	–	–	–

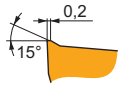
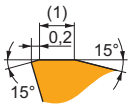
FM槽型，具有大正前角设计，适用于中等快进给。

PDMX 09

	BS	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)	(mm)
0905	2.00	13.500	5.50	9.00	5.47



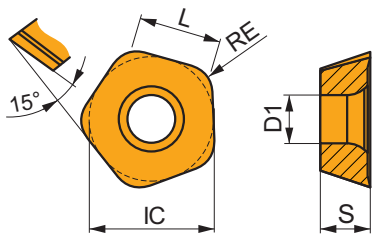
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			M槽型，具有正前角设计，适用于中等快进给。																	
PDMX 0905ZEER-M	**8215**	–	■	215	1.00	1.2	◪	125	0.90	1.2	◪	200	1.00	1.2	–	–	–	–	–	–	–	–	–
	M8330	–	■	220	1.00	1.2	■	130	0.90	1.2	◪	205	1.00	1.2	–	–	–	–	–	–	–	–	–
	M8345	–	■	165	1.00	1.2	■	95	0.90	1.2		–	–	–	–	–	–	–	–	–	–	–	–
	M9340	–	■	215	1.00	1.2	■	125	0.90	1.2		–	–	–	–	–	–	–	–	–	–	–	–
																				
			R槽型，具有强壮的设计，适用于快进给。																	
PDMX 0905ZESR-R	**8215**	–	◪	215	1.00	1.3		–	–	–	■	200	1.00	1.3	–	–	–	–	–	–	■	40	0.15	1.0
	M8330	–	◪	215	1.00	1.3		–	–	–	■	200	1.00	1.3	–	–	–	–	–	–	◪	40	0.15	1.0
	M8345	–	◪	165	1.00	1.3		–	–	–		–	–	–	–	–	–	–	–	–		–	–	–
	M9325	–	◪	245	1.00	1.3		–	–	–	■	230	1.00	1.3	–	–	–	–	–	–	◪	45	0.15	1.0

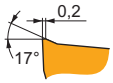
PDKT 09

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0905	13.500	5.50	9.00	5.47



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

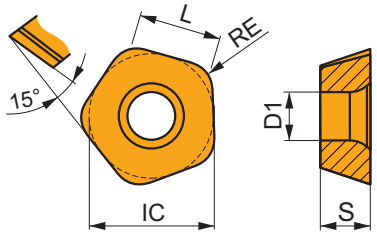
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
PDKT 090530ER-FM	8215	3.0	■ 240	1.00	1.2	◪ 140	0.90	1.2	◪ 225	1.00	1.2	–	–	–	◪ 60	0.70	1.0	–	–	–
	M6330	3.0	■ 210	1.00	1.2	■ 150	0.90	1.2	–	–	–	–	–	–	■ 60	0.70	1.0	–	–	–
	M8310	3.0	■ 250	1.00	1.2	◪ 125	0.90	1.2	◪ 235	1.00	1.2	–	–	–	–	–	–	–	–	–
	M8330	3.0	■ 245	1.00	1.2	■ 145	0.90	1.2	◪ 230	1.00	1.2	–	–	–	◪ 60	0.70	1.0	–	–	–
	M8345	3.0	■ 180	1.00	1.2	■ 105	0.90	1.2	–	–	–	–	–	–	■ 45	0.70	1.0	–	–	–
	M9325	3.0	■ 275	1.00	1.2	–	–	–	◪ 260	1.00	1.2	–	–	–	–	–	–	–	–	–

FM槽型，具有大正前角设计，适用于轻载到中等快进给。

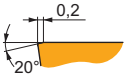
PDMW 09

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0905	13.500	5.50	9.00	5.47



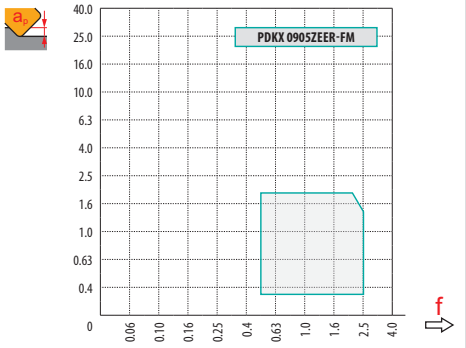
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

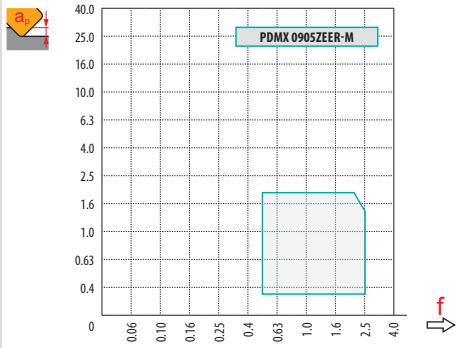
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
PDMW 090530SR	M8310	3.0	◪ 245	1.00	1.4	–	–	–	■ 230	1.00	1.4	–	–	–	–	–	–	■ 45	0.15	1.0
	M8345	3.0	◪ 180	1.00	1.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M9325	3.0	◪ 270	1.00	1.4	–	–	–	■ 255	1.00	1.4	–	–	–	–	–	–	◪ 50	0.15	1.0

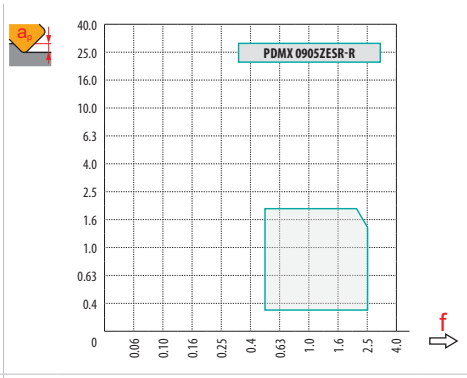
平板设计，适用于快进给。

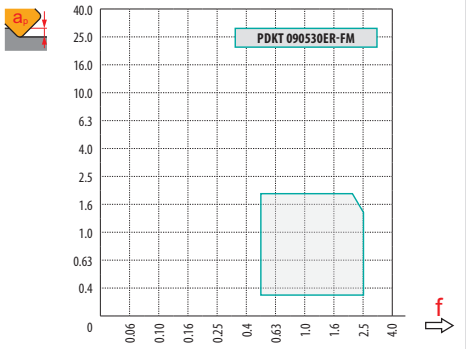
a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

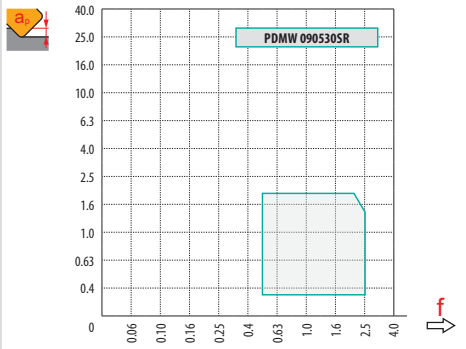
	PDKX 09-FM	PDMX 09-M	PDMX 09-R	PDKT 09-FM	PDMW 09
RE	–	–	–	3.0	3.0
BS	2.00	2.00	2.00	–	–











DCX	a_p	0.00	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.25	1.50	2.00
32		18.4	20.1	20.7	21.3	21.9	22.5	23.0	23.6	24.2	25.7	27.1	30.0
40		25.5	27.2	27.8	28.4	29.0	29.6	30.1	30.7	31.3	32.8	34.2	37.1
42		27.5	29.2	29.8	30.4	31.0	31.6	32.1	32.7	33.3	34.8	36.2	39.1
50		35.3	37.0	37.6	38.2	38.8	39.4	39.9	40.5	41.1	42.6	44.0	46.9
52		37.3	39.0	39.6	40.2	40.8	41.4	41.9	42.5	43.1	44.6	46.0	48.9
63	DEF	48.2	49.9	50.5	51.1	51.7	52.3	52.8	53.4	54.0	55.5	56.9	59.8
66		51.2	52.9	53.5	54.1	54.7	55.3	55.8	56.4	57.0	58.5	59.9	62.8
80		65.3	67.0	67.6	68.2	68.8	69.4	69.9	70.5	71.1	72.6	74.0	76.9
100		85.3	87.0	87.6	88.2	88.8	89.4	89.9	90.5	91.1	92.6	94.0	96.9
125		110.3	112.3	112.9	113.5	114.1	114.6	115.2	115.8	116.4	117.9	119.3	122.2
140		125.3	127.3	127.9	128.5	129.1	129.7	130.2	130.8	131.4	132.9	134.3	137.2
	a_p	0.00	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.25	1.50	2.00
	1 f	–	3.00	3.00	2.90	2.80	2.70	2.60	2.50	2.40	2.25	1.50	1.50

说明用于面铣，如果铣削接近立壁，降低每齿进给(f_z)至50%，以防止刃口振动和损坏.

DCX	max	f_{max}
32	5.0	0.20
40	5.0	0.20
42	5.0	0.20
50	6.0	0.20
52	6.0	0.20
63	7.0	0.25
66	7.0	0.25
80	8.0	0.30
100	8.0	0.30

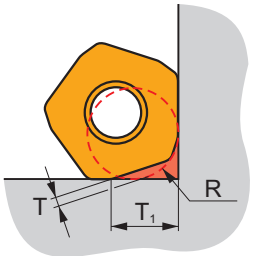
DCX	RPMX	APMX/l
40	8.0	1.80/16
42	8.0	2.00/16
50	8.0	2.00/16
52	8.0	2.00/16
63	7.0	2.00/18
66	6.0	2.00/21
80	5.0	2.00/24
100	3.0	2.00/40

	HFC		
a_p	0.5	1.0	2.0
1 f	3.0	2.3	1.5

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
40	63.7	80.0	2.00	2.00
42	67.5	84.0	2.00	2.00
50	83.3	100.0	2.00	2.00
52	87.3	104.0	2.00	2.00
63	109.2	126.0	2.00	2.00
66	115.2	132.0	2.00	2.00
80	143.3	160.0	2.00	2.00
100	183.3	200.0	2.00	2.00

DCX	a_p	f_{max}
32	1.8	0.20
40	1.8	0.20
42	2.0	0.20
50	2.0	0.20
52	2.0	0.20
63	2.0	0.25
66	2.0	0.25
80	2.0	0.30
100	2.0	0.30

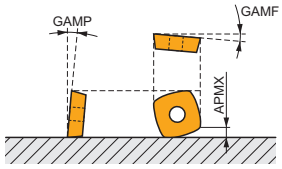
DCX	µm	3	5	10	15	20	30	40	50	60	80	100
32	FE	0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
42		0.710	0.917	1.296	1.587	1.833	2.245	2.592	2.898	3.175	3.666	4.099
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
52		0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657

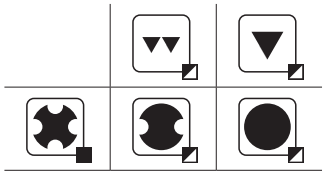


DCX	R	T	T_1
32	4.5	1.1	6.8
40 – 140	4.5	1.1	7.3

SZD07

APMX	1.0 mm

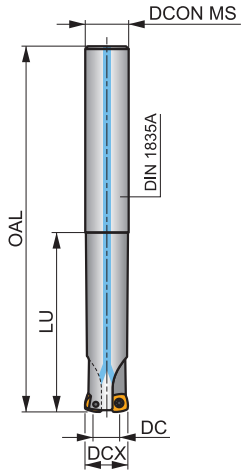


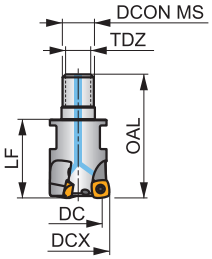


FEED ZD07快进给刀盘，带内冷

富有成效的快进给铣刀盘，使用单面ZD..　07刀片，具有4个切削刃和aAPMX(最大切深)1 mm。内冷。应用范围广泛。可提供圆柱柄和模块夹紧系统类型，尺寸范围从Ø16至Ø32 mm。刀体经过处理，使用寿命更长。

FEED ZD





h_m 0.175 – 0.44

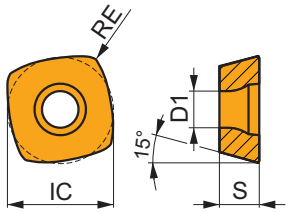
	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	**16E2R030A16-SZD07**	16	6	100	16	30	–	–	-5	8	2	–	47400	✓	0.13	GI201	C0350
	16E2R065A16-SZD07	16	6	145	16	65	–	–	-5	8	2	–	47400	✓	0.19	GI201	C0350
	20E3R040A20-SZD07	20	10	120	20	40	–	–	-5	8	3	–	42400	✓	0.25	GI201	C0350
	20E3R080A20-SZD07	20	10	165	20	80	–	–	-5	8	3	–	42400	✓	0.33	GI201	C0350
	25E3R050A25-SZD07	25	15	140	25	50	–	–	-5	8	3	–	37900	✓	0.47	GI201	C0350
	25E3R100A25-SZD07	25	15	190	25	100	–	–	-5	8	3	–	37900	✓	0.60	GI201	C0350
MODULAR	**16E2R030M08-SZD07**	16	6	48	8.5	–	30	M8	-5	8	2	–	–	✓	0.04	GI201	C0350
	20E3R030M10-SZD07	20	10	49	10.5	–	30	M10	-5	8	3	–	–	✓	0.08	GI201	C0350
	25E3R032M12-SZD07	25	15	54	12.5	–	32	M12	-5	8	3	–	–	✓	0.15	GI201	C0350
	25E4R032M12-SZD07	25	15	54	12.5	–	32	M12	-5	8	4	✓	–	✓	0.04	GI201	C0350
	32E4R040M16-SZD07	32	22	65	17	–	40	M16	-5	8	4	✓	–	✓	0.22	GI201	C0350

GI201	ZDCW 0703..

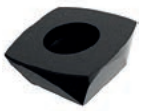
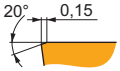
		Nm			
C0350	US 2205-T07P	0.9	M 2.2	5	Flag T07P

ZDCW 07

	IC	D1	S
	(mm)	(mm)	(mm)
0703	6.800	2.60	3.18

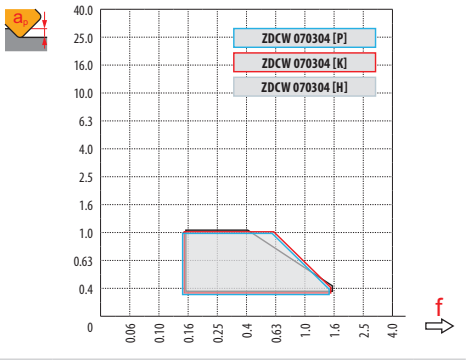


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

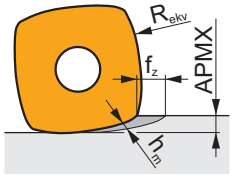
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			非标槽型，适用于快进给。																	
ZDCW 070304	**M8310**	0.4	◪ 420	0.60	0.4	–	–	–	■ 395	0.60	0.4	–	–	–	–	–	–	■ 80	0.15	1.0
	M8325	0.4	◪ 325	0.60	0.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	0.4	◪ 305	0.60	0.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

a_e/DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	ZDCW 07
RE	0.4
BS	–



DCX	a_p	0.00	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
16	DEF	6.0	12.0	12.9	13.7	14.4	15.1	15.7	16.2	16.8
20		10.0	16.0	16.9	17.7	18.4	19.1	19.7	20.2	20.8
25		15.0	21.0	21.9	22.7	23.4	24.1	24.7	25.2	25.8
32		22.0	28.0	28.9	29.7	30.4	31.1	31.7	32.2	32.8
	a_p	0.00	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
	1 f	–	1.50	1.50	1.13	1.00	0.88	0.75	0.61	0.60



$$f_z = h_m \times \sqrt{\frac{2R_{ekv.}}{APMX}} \quad \text{(每齿进给)}$$

说明用于面铣，如果铣削接近立壁，降低每齿进给(f_z)至50%，以防止刃口振动和损坏.

DCX	max	f_{max}
16	5.6	0.12
20	5.6	0.15
25	5.6	0.17
32	5.6	0.17

HFC			
a_p	0.3	0.6	1.0
1 f	1.50	0.80	0.40

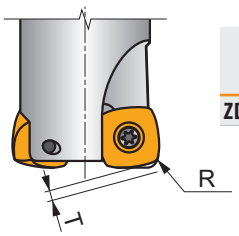
DCX	RPMX	APMX/I
16	7.8	1.0/9
20	9.7	1.0/7
25	4.9	1.0/13
32	2.8	1.0/22

HFC		
DCX	RPMX	APMX/I
16	0.5	0.75/100
20	0.3	0.40/100
25	0.2	0.20/100
32	0.1	0.05/100

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
16	21.0	32.0	0.10	0.40
20	29.0	40.0	0.10	0.30
25	39.0	50.0	0.15	0.25
32	53.0	64.0	0.10	0.15

DCX	a_p	f_{max}
16	0.05	0.12
20	0.05	0.15
25	0.05	0.17
32	0.05	0.17

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
16	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578



	R	T
ZDCW 070304	1.70	0.60

SZD09

P K H

PRAMET

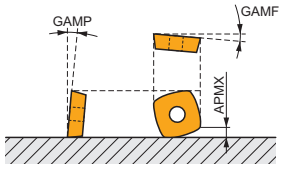
S

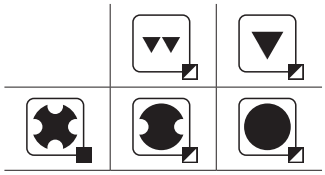
FEED ZD09快进给刀盘，带内冷

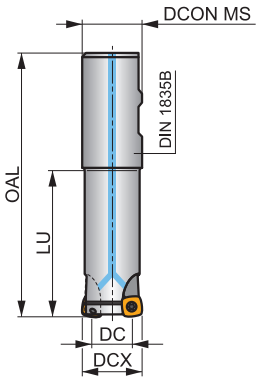
富有成效的快进给铣刀盘，使用单面ZD.. 09刀片，具有4个切削刃和APMX(最大切深)1 mm。内冷。适用于广泛的应用。可提供圆柱柄，模块夹紧系统和芯轴式类型，尺寸范围从Ø25至Ø66 mm。刀体经过处理，使用寿命更长。

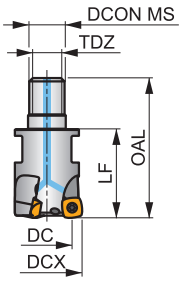
FEED ZD

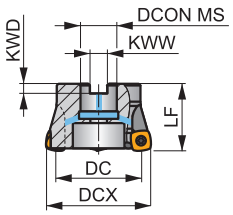
APMX	1.0 mm











h_m 0.31 – 0.618

h_m 0.31 – 0.618

	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835B	**25E2R080B25-SZD09-C**	25	11.6	140	25	80	–	–	–	–	-6	10	2	–	22800	✓	0.49	GI191	SQ400
	25E2R140B25-SZD09-C	25	11.6	200	25	140	–	–	–	–	-6	10	2	–	22800	✓	0.63	GI191	SQ400
	25E2R240B25-SZD09-C	25	11.6	300	25	240	–	–	–	–	-6	10	2	–	22800	✓	0.90	GI191	SQ400
	32E2R080B32-SZD09-C	32	18.7	140	32	80	–	–	–	–	-6	10	2	–	20100	✓	0.80	GI191	SQ400
	32E2R140B32-SZD09-C	32	18.7	200	32	140	–	–	–	–	-6	10	2	–	20100	✓	1.07	GI191	SQ400
	32E2R240B32-SZD09-C	32	18.7	300	32	240	–	–	–	–	-6	10	2	–	20100	✓	1.57	GI191	SQ400
MODULAR	**25E2R032M12-SZD09-C**	25	11.6	54	12.5	–	32	M12	–	–	-6	10	2	–	–	✓	0.15	GI191	SQ400
	25E3R032M12-SZD09-C	25	11.6	54	12.5	–	32	M12	–	–	-6	10	3	–	–	✓	0.14	GI191	SQ400
	32E3R040M16-SZD09-C	32	18.7	63	17	–	40	M16	–	–	-6	10	3	–	–	✓	0.26	GI191	SQ400
	35E4R040M16-SZD09-C	35	21.7	63	17	–	40	M16	–	–	-6	10	4	✓	–	✓	0.22	GI191	SQ400
	42E4R040M16-SZD09-C	42	28.7	63	17	–	40	M16	–	–	-6	10	4	✓	–	✓	0.27	GI191	SQ400
ISO 6462 DIN 8030	**40A03R-SM0ZD09-C**	40	26.7	–	16	–	40	–	8.4	5.6	-6	10	3	–	18000	✓	0.36	GI191	SQ402
	40A04R-SM0ZD09-C	40	26.7	–	16	–	40	–	8.4	5.6	-6	10	4	✓	18000	✓	0.44	GI191	SQ402
	50A05R-SM0ZD09-C	50	36.7	–	22	–	40	–	10.4	6.4	-6	10	5	✓	16000	✓	0.43	GI191	SQ403
	52A05R-SM0ZD09-C	52	38.7	–	22	–	40	–	10.4	6.4	-6	10	5	✓	15700	✓	0.46	GI191	SQ403
	63A06R-SM0ZD09-C	63	49.7	–	22	–	40	–	10.4	6.4	-6	10	6	✓	14300	✓	0.60	GI191	SQ403
	66A06R-SM0ZD09-C	66	52.7	–	27	–	50	–	12	7	-6	10	6	✓	14000	✓	0.89	GI191	C0364

GI191	ZDCW 09T3..

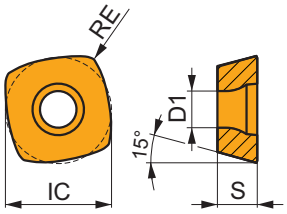
		Nm						
C0364	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	HS 1230C	–
SQ400	US 3006-T09P	2.0	M 3	6	–	–	Flag T09P	–

		Nm						
SQ402	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	–	HS 0830C
SQ403	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	–	HS 1030C

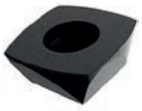
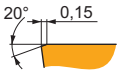
ZDCW 09

PRAMET

	IC (mm)	D1 (mm)	S (mm)
09T3	9.525	3.40	3.97

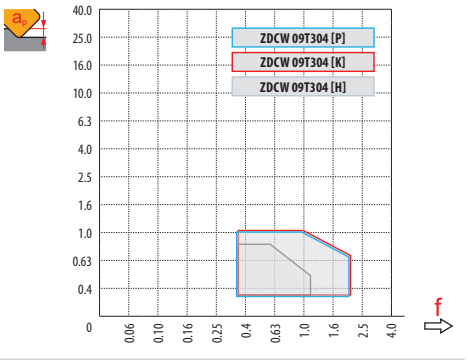


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

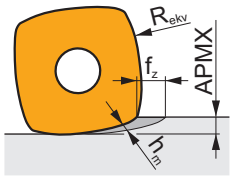
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			非标槽型，适用于快进给。																	
ZDCW 09T304	**M8310**	0.4	◪ 320	1.00	0.6	–	–	–	■ 300	1.00	0.6	–	–	–	–	–	–	■ 60	0.15	1.0
	M8325	0.4	◪ 250	1.00	0.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	0.4	◪ 235	1.00	0.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

a_e/DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	ZDCW 09
RE	0.4
BS	–



DCX	a_p	0.00	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00
25		11.6	17.4	18.2	19.0	19.7	20.3	20.9	21.5	22.0
32		18.7	24.5	25.3	26.1	26.8	27.4	28.0	28.6	29.1
35		21,7	27,3	28,1	28,8	29,5	30,1	30,7	31,2	31,7
40		27.7	33.5	34.3	35.1	35.8	36.4	37.0	37.6	38.1
42	DEF	28,7	34,3	35,1	35,8	36,5	37,1	37,7	38,2	38,7
50		36,7	42,3	43,1	43,8	44,5	45,1	45,7	46,2	46,7
52		38,7	44,3	45,1	45,8	46,5	47,1	47,7	48,2	48,7
63		49,7	55,3	56,1	56,8	57,5	58,1	58,7	59,2	59,7
66		52,7	58,3	59,1	59,8	60,5	61,1	61,7	62,2	62,7
	a_p	**0.00**	**0.30**	**0.40**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**
	f	–	2.00	2.00	2.00	1.75	1.50	1.25	1.13	1.00



$$f_z = h_m \times \sqrt{\frac{2R_{ekv.}}{APMX}}$$ (每齿进给)

说明用于面铣，如果铣削接近立壁，降低每齿进给(f_z)至50%，以防止刃口振动和损坏.

DCX	max	f_{max}
25	7.7	0.15
32	7.7	0.17
40	7.7	0.20

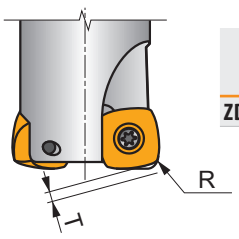
	HFC		
a_p	0.3	0.6	1.0
f	2.00	1.50	1.00

			HFC	
DCX	RPMX	APMX/I	RPMX	APMX/I
25	12.0	1.0/6	0.9	1.00/65
32	7.5	1.0/11	0.5	0.75/100
40	3.6	1.0/17	0.4	0.55/100

DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	35.0	50.0	0.45	1.00
32	49.0	64.0	0.45	0.85
40	65.0	80.0	0.50	0.85

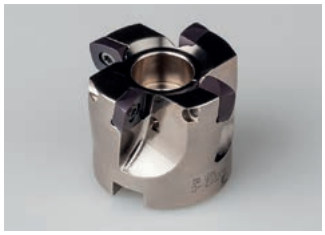
DCX	a_p	f_{max}
25	0.15	0.15
32	0.15	0.17
40	0.15	0.20

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
25		0,548	0,707	1,000	1,225	1,414	1,732	2,000	2,236	2,449	2,828	3,162
32		0,620	0,800	1,131	1,386	1,600	1,960	2,263	2,530	2,771	3,200	3,578
35		0,648	0,837	1,183	1,449	1,673	2,049	2,366	2,646	2,898	3,347	3,742
40	FE	0,693	0,894	1,265	1,549	1,789	2,191	2,530	2,828	3,098	3,578	4,000
42		0,710	0,917	1,296	1,587	1,833	2,245	2,592	2,898	3,175	3,666	4,099
52		0,790	1,020	1,442	1,766	2,040	2,498	2,884	3,225	3,533	4,079	4,561
63		0,869	1,122	1,587	1,944	2,245	2,750	3,175	3,550	3,888	4,490	5,020
66		0,890	1,149	1,625	1,990	2,298	2,814	3,250	3,633	3,980	4,596	5,138

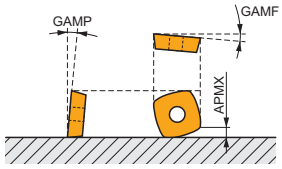


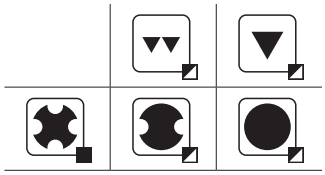
	R	T
ZDCW 09T304	2.27	0.52

SZD12



APMX	1.6 mm

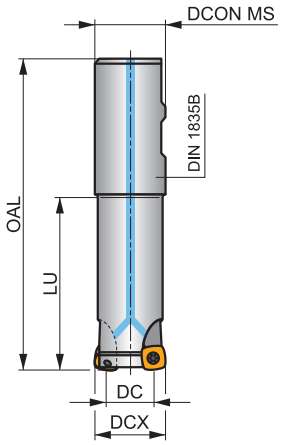


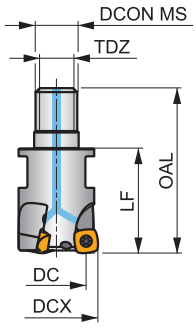


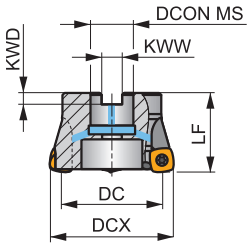
FEED ZD12快进给刀盘，带内冷

高效富有成效的快进给铣刀盘，使用单面ZD..　　12刀片，具有4个切削刃和APMX(最大切深)1。6 mm。内冷。应用范围广泛。可提供圆柱柄，模块夹紧系统和芯轴式类型，尺寸范围从Ø32至Ø80 mm。刀体经过处理，使用寿命更长。

FEED ZD







h_m 0.46 – 0.925

h_m 0.46 – 0.925

产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835B	**40E4R080B32-SZD12-C**	40	22.5	140	32	80	–	–	–	–	-6	10	4	✓	15700	✓	0.78	GI192	SQ220	–
DIN 1835B	**40E4R140B32-SZD12-C**	40	22.5	200	32	140	–	–	–	–	-6	10	4	✓	15700	✓	1.13	GI192	SQ220	–
MODULAR	**32E3R040M16-SZD12-C**	32	14.5	63	17	–	40	M16	–	–	-6	10	3	–	–	✓	0.24	GI192	SQ220	–
MODULAR	**40E4R040M16-SZD12-C**	40	22.5	63	17	–	40	M16	–	–	-6	10	4	–	–	✓	0.23	GI192	SQ220	–
ISO 6462 DIN 8030	**50A04R-SM0ZD12-C**	50	32.5	–	22	–	40	–	10.4	6.4	-6	10	4	✓	14000	✓	0.47	GI192	SQ033	–
ISO 6462 DIN 8030	**63A05R-SM0ZD12-C**	63	45.5	–	22	–	40	–	10.4	6.4	-6	10	5	✓	12500	✓	0.63	GI192	SQ033	–
ISO 6462 DIN 8030	**80A05R-SM0ZD12-C**	80	62.5	–	27	–	50	–	12	7	-6	10	5	✓	11100	✓	1.12	GI192	C0371	AC001

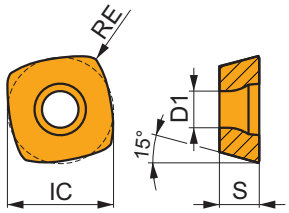
GI192	ZDEW 1204..

		Nm						
C0371	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–	–
SQ033	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–	HS 1030C
SQ220	US 4011-T15P	3.5	M 4	10.6	–	–	Flag T15P	–

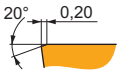
AC001	KS 1230	K.FMH27

ZDEW 12

	IC	D1	S
	(mm)	(mm)	(mm)
1204	12.700	4.40	4.76

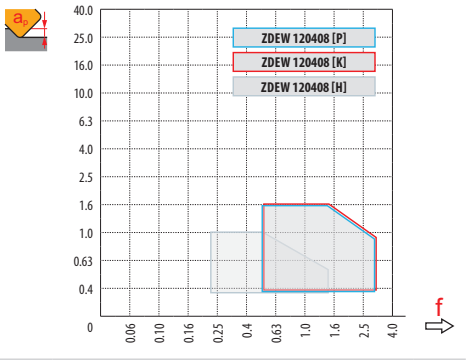


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

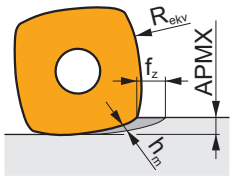
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			非标槽型，适用于快进给。																	
ZDEW 120408	**M8310**	0.8	◪ 270	1.00	1.0	–	–	–	■ 255	1.00	1.0	–	–	–	–	–	–	■ 50	0.15	1.0
	M8325	0.8	◪ 205	1.00	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	M8345	0.8	◪ 195	1.00	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

a_e / DCX	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	ZDEW 12
RE	0.8
BS	–



DCX	a_p	0.00	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	1.40	1.50	1.60
32	DEF	14.5	22.7	23.5	24.2	24.8	25.4	26.0	26.5	27.0	27.5	28.0	28.5	28.9
40		22.5	30.7	31.5	32.2	32.8	33.4	34.0	34.5	35.0	35.5	36.0	36.5	36.9
50		32.5	40.7	41.5	42.2	42.8	43.4	44.0	44.5	45.0	45.5	46.0	46.5	46.9
52		34.5	42.7	43.5	44.2	44.8	45.4	46.0	46.5	47.0	47.5	48.0	48.5	48.9
63		45.5	53.7	54.5	55.2	55.8	56.4	57.0	57.5	58.0	58.5	59.0	59.5	59.9
66		48.5	56.7	57.5	58.2	58.8	59.4	60.0	60.5	61.0	61.5	62.0	62.5	62.9
80		62.5	70.7	71.5	72.2	72.8	73.4	74.0	74.5	75.0	75.5	76.0	76.5	76.9
	a_p	**0.00**	**0.50**	**0.60**	**0.70**	**0.80**	**0.90**	**1.00**	**1.10**	**1.20**	**1.30**	**1.40**	**1.50**	**1.60**
	1 f	–	3.00	3.00	3.00	3.00	3.00	3.00	2.50	2.25	2.00	1.80	1.65	1.50



$$f_z = h_m \times \sqrt{\frac{2R_{ekv.}}{APMX}} \quad \text{(每齿进给)}$$

说明用于面铣，如果铣削接近立壁，降低每齿进给(f_z)至50%，以防止刃口振动和损坏.

DCX	max	f_{max}
32	10.0	0.15
40	10.0	0.17
50	10.0	0.20
52	10.0	0.20
63	10.0	0.20
66	10.0	0.20
80	10.0	0.25

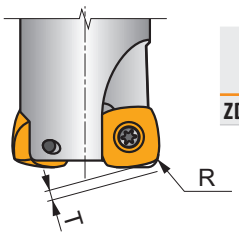
	HFC		
a_p	0.5	1.0	1.6
1 f	3.00	2.00	1.50

			HFC	
DCX	RPMX	APMX/I	RPMX	APMX/I
32	10	1.6/11	1.2	1.60/78
40	5.5	1.6/18	0.7	1.10/100
50	3.3	1.6/29	0.5	0.75/100
52	3.1	1.6/31	0.5	0.75/100
63	2.2	1.6/43	0.3	0.40/100
66	2.0	1.6/47	0.3	0.40/100
80	1.5	1.6/63	0.2	0.20/100

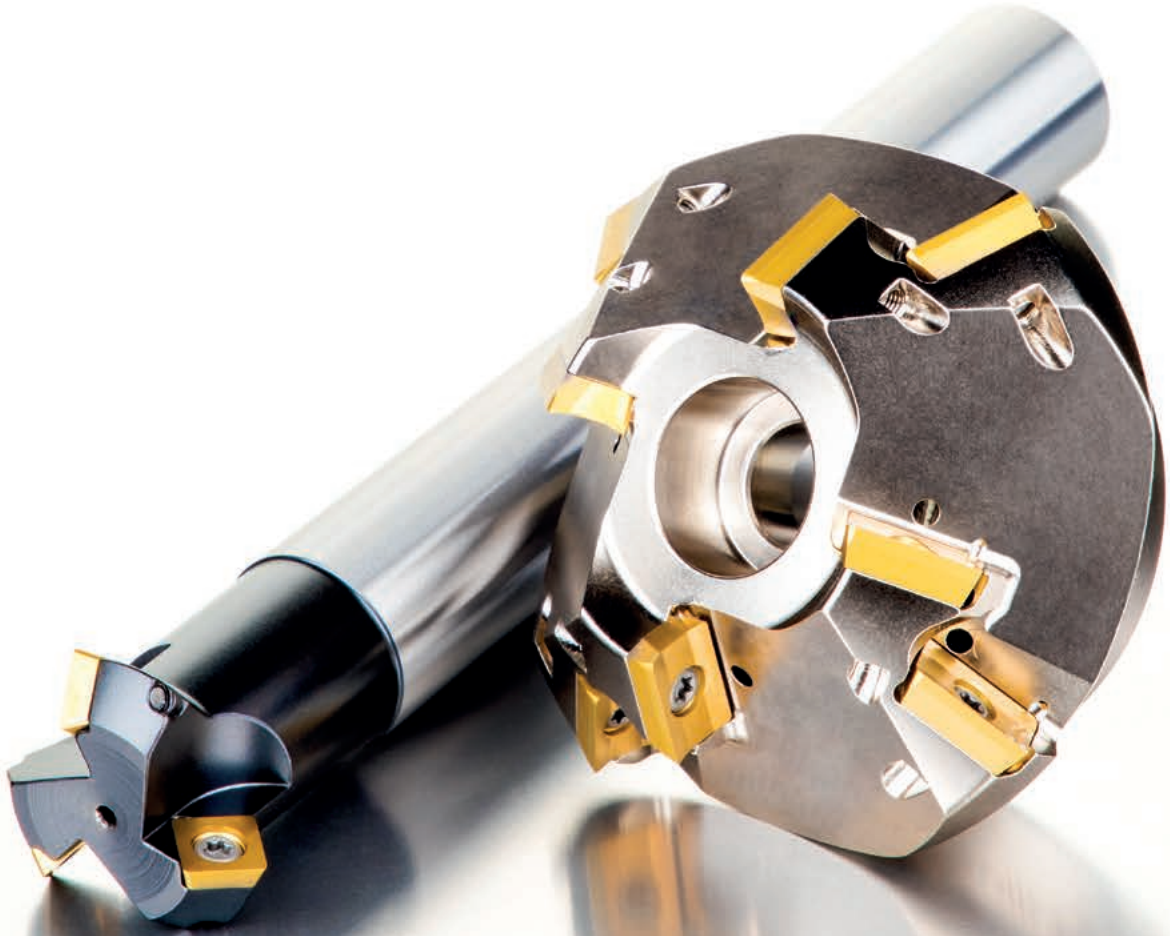
DCX	DMIN	DMAX	SMAX DMIN	SMAX DMAX
32	44.0	64.0	0.75	1.60
40	60.0	80.0	0.75	1.50
50	80.0	100.0	0.80	1.35
52	84.0	104.0	0.80	1.35
63	106.0	126.0	0.70	1.00
66	112.0	132.0	0.70	1.00
80	140.0	160.0	0.65	0.85

DCX	a_p	f_{max}
32	0.25	0.15
40	0.25	0.17
50	0.25	0.20
52	0.25	0.20
63	0.25	0.20
66	0.25	0.20
80	0.25	0.25

DCX	µm	3	5	10	15	20	30	40	50	60	80	100
32	FE	0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
52		0.790	1.020	1.442	1.766	2.040	2.498	2.884	3.225	3.533	4.079	4.561
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
66		0.890	1.149	1.625	1.990	2.298	2.814	3.250	3.633	3.980	4.596	5.138
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657



	R	T
ZDEW 120408	3.52	0.64



倒角铣 , T形槽铣

倒角铣，T形槽铣

>>>

	SSD09	N-SSO09	2516	2636	J(T)-SXP16
	45°	45°	45°	10°– 80°	15°– 75°
	APMX (mm) 4.5	APMX (mm) 4.5	APMX (mm) 8.5	APMX (mm) 8.5	APMX (mm) 7.0– 28.0
	DC (mm) 10 – 25	DC (mm) 8 – 25	DC (mm) 11 – 19	DC (mm) 5 – 23	DC (mm) 35 – 45
圆柱刀柄	DC = 16 – 25 (mm)				
侧固刀柄	DC = 10 – 25 (mm)				
莫氏	DC = 10 – 25 (mm)				
套式铣刀					
页码	648	651	654	657	660
ISO	P M K S H	P M K S	P M K S	P M K S	P M K N
刀片形状					
刀片	SDE. 0903	SOMT 09T3	TCMT 16T3	TCMT 16T3	XPHT 1604
切削刃数量	4	4	3	3	2
倒角铣	■	■	■	■	■
背面铣削					
T形槽铣					
浅方肩铣					
浅槽铣					

■ 推荐使用 ◩ 可以使用

<<<

倒角铣，T形槽铣

	F-SCC					
	90°					
	APMX (mm) 11.0 – 18.0					
	DC (mm) 25 – 40					
	664					
ISO	P M K					
	CCMX					
	2					
	■					
	■					
	◪					
	◪					

■ 推荐使用 ◪ 可以使用

SSD09

P M K S H

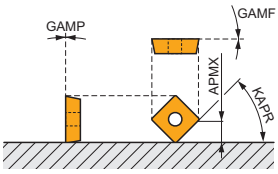
PRAMET

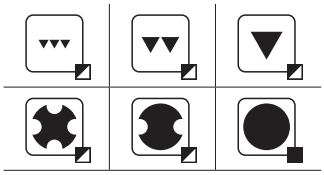
S

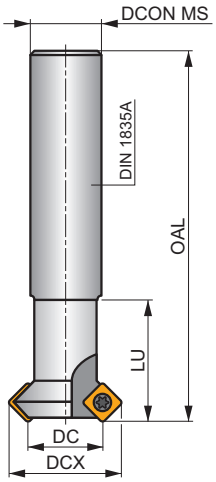
45°倒角铣刀盘，使用正方形刀片SD.. 09

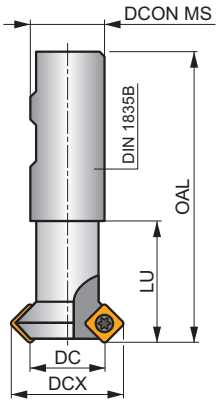
A45°倒角铣刀盘，使用单面SD.. 09刀片，具有APMX(最大切深)4.5 mm。适用于顶部和顶部侧边倒角加工。可提供圆柱柄，侧固柄和莫氏锥柄类型，最大直径范围Ø22，Ø28和Ø37 mm。刀体经过处理，使用寿命更长。

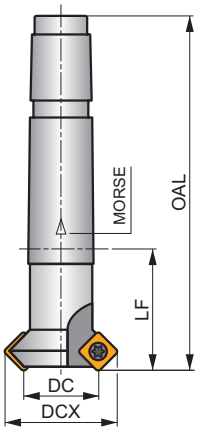
KAPR	45°
APMX	4.5 mm











h_m 0.095 – 0.15

	产品型号	DC (mm)	DCX (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	CZCMS	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	**16N2R027A16-SSD09**	16	28	200	16	27	–	–	0	0	2	–	32200	–	0.37	GI129	C0070
	25N3R042A25-SSD09	25	37	200	25	42	–	–	0	0	3	–	25800	–	0.78	GI129	CH011
DIN 1835B	**10N1R027B16-SSD09-A**	10	22	75	16	27	–	–	0	0	1	–	40700	–	0.14	GI129	C0070
	16N2R027B16-SSD09-A	16	28	75	16	27	–	–	0	0	2	–	32200	–	0.14	GI129	C0070
	25N3R042B25-SSD09-A	25	37	98	25	42	–	–	0	0	3	–	25800	–	0.37	GI129	CH011
DIN 228A	**10N1R030E02-SSD09-A**	10	22	94	–	–	30	2	0	0	1	–	40700	–	0.17	GI129	C0070
	16N2R030E02-SSD09-A	16	28	94	–	–	30	2	0	0	2	–	32200	–	0.25	GI129	C0070
	25N3R043E03-SSD09-A	25	37	124	–	–	43	3	0	0	3	–	25800	–	0.38	GI129	CH011

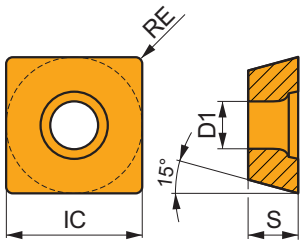
GI129	SDEW 0903..	SDEX 0903..

		Nm			
C0070	US 3507-T15	3.0	M 3.5	7	Flag T15
CH011	US 3509-T15	3.0	M 3.5	9	Flag T15

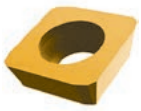
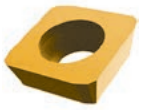
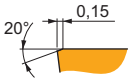
SDEW 09

PRAMET

	IC	D1	S
	(mm)	(mm)	(mm)
0903	9.525	4.40	3.18



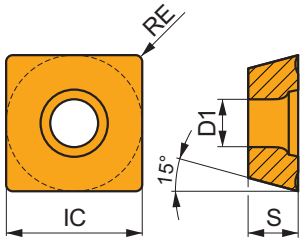
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			U E																	
EN槽型，具有平板设计，适用于45°倒角铣削。																				
SDEW 090308EN	**M8330**	0.8	235	0.10	4.5	–	–	–	220	0.10	4.5	–	–	–	–	–	–	45	0.15	1.0
	M8340	0.8	210	0.10	4.5	–	–	–	195	0.10	4.5	–	–	–	–	–	–	–	–	–
			S																	
SN槽型，具有平板设计，适用于45°倒角铣削。																				
SDEW 090308SN	**8215**	0.8	215	0.15	4.5	–	–	–	200	0.15	4.5	–	–	–	–	–	–	40	0.15	1.0
	M8330	0.8	215	0.15	4.5	–	–	–	200	0.15	4.5	–	–	–	–	–	–	40	0.15	1.0
	M8340	0.8	195	0.15	4.5	–	–	–	185	0.15	4.5	–	–	–	–	–	–	–	–	–

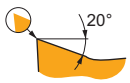
SDEX 09

PRAMET

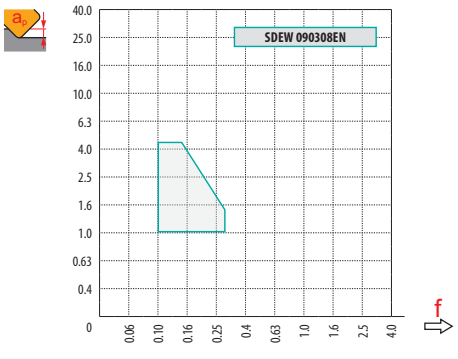
	IC	D1	S
	(mm)	(mm)	(mm)
0903	9.525	4.40	3.18

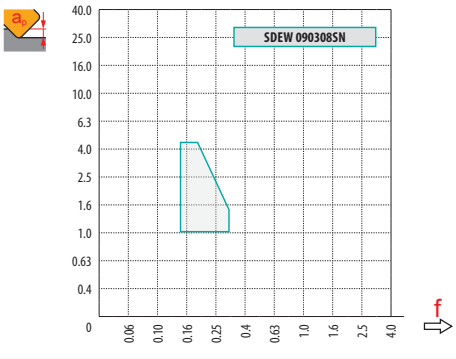


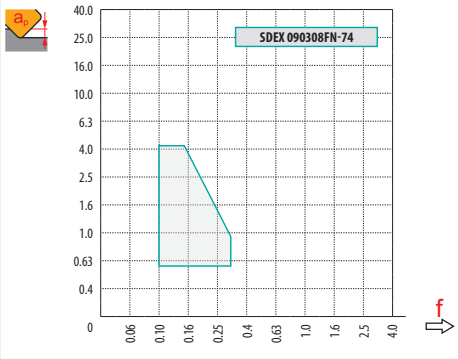
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			F																	
74槽型，具有正前角设计，适用于45°倒角铣削。																				
SDEX 090308FN-74	**M8330**	0.8	305	0.12	4.5	180	0.11	4.5	285	0.12	4.5	–	–	–	75	0.11	3.6	–	–	–

	SDEW 09 EN	SDEW 09 SN	SDEX 09-74
RE	0.8	0.8	0.8
BS	–	–	–







DC	DCX	X.V	f_{min}	f_{max}
10	22	1.09	0.20	0.30
16	28	1.17	0.25	0.34
25	37	1.24	0.32	0.39

a_e / DC	0.10			0.15			0.20			0.25			0.30			0.35			0.40			0.50 – 1.00		
	f																							
45°	0.42	0.54	0.67	0.35	0.44	0.55	0.30	0.38	0.47	0.27	0.34	0.42	0.25	0.31	0.39	0.23	0.29	0.36	0.21	0.27	0.34	0.19	0.24	0.30
X.V	1.35			1.27			1.22			1.19			1.16			1.13			1.11			1.00		

N-SSO09

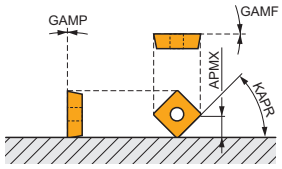
P M K S

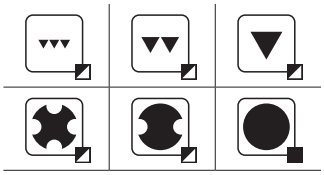
PRAMET S

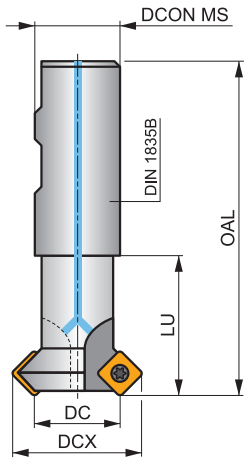
45°倒角铣刀盘，使用正方形刀片SOMT 09，带内冷

A45°倒角铣刀盘，使用单面SOMT 09刀片，具有APMX(最大切深)4.5 mm。内冷。适用于顶部和顶部侧边倒角加工。可提供侧固柄类型，最大直径范围Ø 20.5，Ø 28.8和Ø 37.8 mm。刀体经过处理，使用寿命更长。

KAPR	45°
APMX	4.5 mm







h_m 0.095 – 0.18

	产品型号	DC (mm)	DCX (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835B	**16N2R027B16-SSO09-C**	16	28.8	110	16	27	0	0	2	–	26600	✓	0.23	GI146	SQ500
DIN 1835B	**25N3R042B25-SSO09-C**	25	37.8	125	25	42	0	0	3	–	21300	✓	0.50	GI146	SQ500
	8N1R027B16-SSO09-C	8	20.5	90	16	27	0	0	1	–	37700	✓	0.12	GI146	SQ500

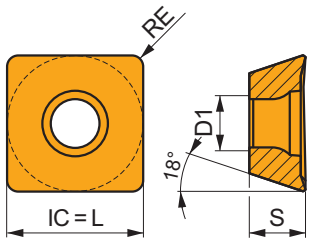
GI146	SOMT 09T3..

		Nm			
SQ500	US 3006-T09P	2.0	M 3	6	Flag T09P

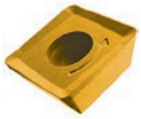
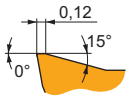
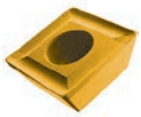
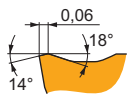
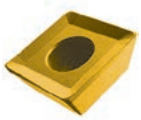
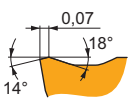
SOMT 09

PRAMET

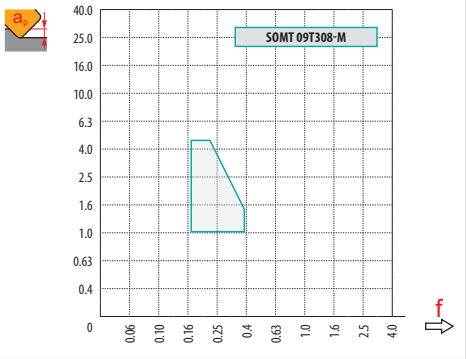
	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
09T3	9.550	3.50	9.55	3.97

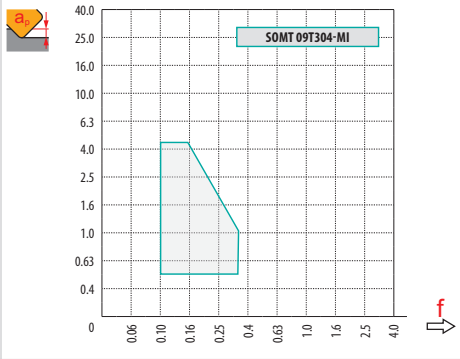


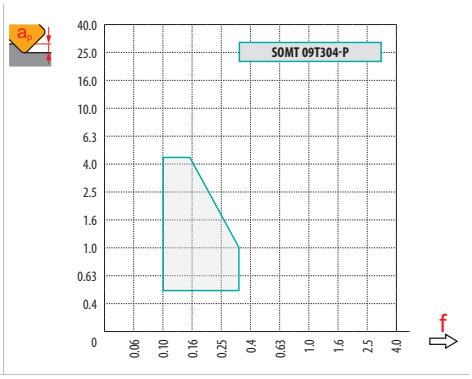
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。当设置角度为90°条件时，参考我们的Machining Calculator app，以获得进一步

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			M槽型，具有正前角设计，适用于中等加工。																	
SOMT 09T308-M	**8215**	0.8	275	0.14	2.5	165	0.13	2.5	260	0.14	2.5	–	–	–	65	0.13	2.0	–	–	–
	M5315	0.8	390	0.14	2.5	–	–	–	370	0.14	2.5	–	–	–	–	–	–	–	–	–
	M8330	0.8	270	0.14	2.5	160	0.13	2.5	255	0.14	2.5	–	–	–	65	0.13	2.0	–	–	–
	M8340	0.8	250	0.14	2.5	150	0.13	2.5	235	0.14	2.5	–	–	–	60	0.13	2.0	–	–	–
	M9315	0.8	380	0.14	2.5	–	–	–	360	0.14	2.5	–	–	–	–	–	–	–	–	–
																				
			MI槽型，具有稳定的正前角设计，适用于中等加工。																	
SOMT 09T304-MI	**8215**	0.4	230	0.14	2.5	135	0.13	2.5	215	0.14	2.5	–	–	–	55	0.10	2.0	–	–	–
	M8310	0.4	255	0.14	2.5	130	0.13	2.5	240	0.14	2.5	–	–	–	–	–	–	–	–	–
	M8330	0.4	230	0.14	2.5	135	0.13	2.5	215	0.14	2.5	–	–	–	55	0.10	2.0	–	–	–
	M8340	0.4	210	0.14	2.5	125	0.13	2.5	195	0.14	2.5	–	–	–	50	0.10	2.0	–	–	–
	M9315	0.4	320	0.14	2.5	–	–	–	300	0.14	2.5	–	–	–	–	–	–	–	–	–
	M9340	0.4	265	0.14	2.5	155	0.13	2.5	–	–	–	–	–	–	65	0.10	2.0	–	–	–
																				
			P槽型，具有大正前角设计，适用于中等加工。																	
SOMT 09T304-P	**M8330**	0.4	250	0.14	2.5	150	0.13	2.5	235	0.14	2.5	–	–	–	60	0.10	2.0	–	–	–
	M8340	0.4	230	0.14	2.5	135	0.13	2.5	215	0.14	2.5	–	–	–	55	0.10	2.0	–	–	–
	M9325	0.4	320	0.14	2.5	–	–	–	300	0.14	2.5	–	–	–	–	–	–	–	–	–

	SOMT 09-M	SOMT 09-MI	SOMT 09-P
RE	0.8	0.4	0.4
BS	–	–	–







DC	DCX	X.V	f_{min}	f_{max}
8	20.5	1.06	0.18	0.29
16	28.8	1.17	0.25	0.34
25	37.8	1.24	0.32	0.39

a_e / DC	0.10			0.15			0.20			0.25			0.30			0.35			0.40			0.50 – 1.00		
	f																							
45°	0.42	0.63	0.80	0.35	0.51	0.66	0.30	0.44	0.57	0.27	0.40	0.51	0.25	0.36	0.46	0.23	0.33	0.43	0.21	0.31	0.40	0.19	0.28	0.36
X.V	1.35			1.27			1.22			1.19			1.16			1.13			1.11			1.00		

2516

P M K N

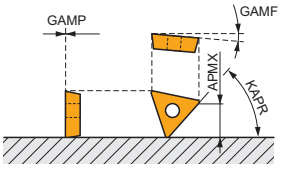
PRAMET

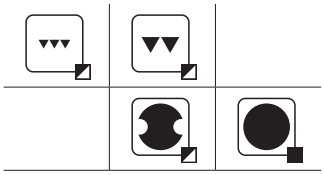
S

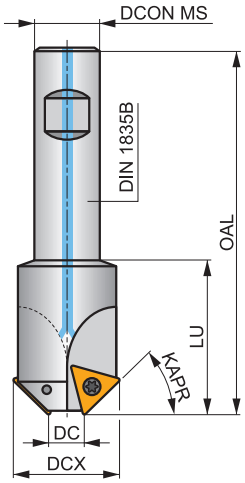
45°倒角铣刀盘，使用TCMT 16刀片，带内冷

A45°倒角铣刀盘，使用单面TCMT　　16刀片，具有APMX(最大切深)8.5 mm。内冷。适用于正面倒角。只提供侧固柄类型，最大直径范围Ø 31和Ø 39 mm。刀体经过处理，使用寿命更长。

KAPR	45°
APMX	8.5 mm







h_m 0.065 – 0.095

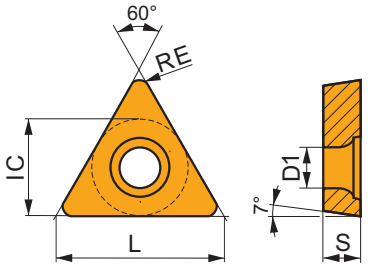
	产品型号	DCX (mm)	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)			max.		kg		
DIN 1835B	**2516–45–11**	31	11	100	16	30	2	–	18100	✓	0.24	GI155	SQ220
DIN 1835B	**2516–45–19**	39	19	100	20	30	2	–	16200	✓	0.35	GI155	SQ220

GI155	TCMT 16T308E-FM:T83..

		Nm			
SQ220	US 4011-T15P	3.5	M 4	10.6	Flag T15P

TCMT

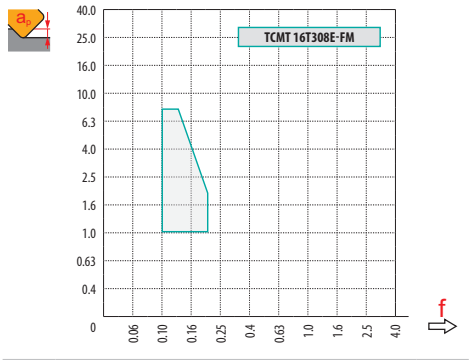
	IC (mm)	D1 (mm)	L (mm)	S (mm)
16T3	9.525	4.4	16.5	3.97



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/rev)	P ap (mm)	M vc (m/min)	M f (mm/rev)	M ap (mm)	K vc (m/min)	K f (mm/rev)	K ap (mm)	N vc (m/min)	N f (mm/rev)	N ap (mm)	S vc (m/min)	S f (mm/rev)	S ap (mm)	H vc (m/min)	H f (mm/rev)	H ap (mm)
			1		E															
			FM断屑槽，适用于精加工至中粗加工，连续切削至轻微断续切削。																	
TCMT 16T308E-FM	**T8315**	0.80	170	0.17	1.7	100	0.15	1.7	160	0.17	1.7	510	0.20	1.7	–	–	–	–	–	–
	T8330	0.80	160	0.17	1.7	95	0.15	1.7	150	0.17	1.7	480	0.20	1.7	–	–	–	–	–	–

	TCMT 16-FM
RE	0.8
BS	–



DC	DCX	X.V	f_{min}	f_{max}
11.0	31.0	1.02	0.10	0.18
19.0	39.0	1.10	0.14	0.20

a_e / DC	0.10			0.15			0.20			0.25			0.30			0.35			0.40			0.50 – 1.00		
	f																							
45°	0.29	0.34	0.42	0.24	0.27	0.35	0.21	0.24	0.30	0.18	0.21	0.27	0.17	0.19	0.25	0.16	0.18	0.23	0.15	0.17	0.21	0.13	0.15	0.19
X.V	1.35			1.27			1.22			1.19			1.16			1.13			1.11			1.00		

2636

P M K N

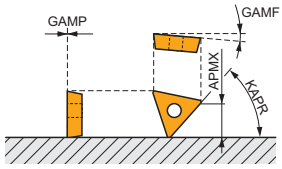
PRAMET

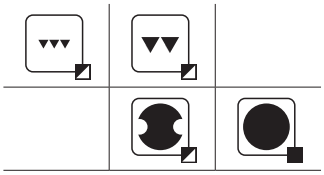
S

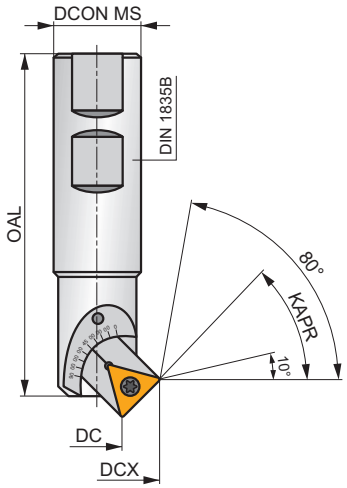
可调节铣刀，使用TCMT 16刀片

可调节倒角铣刀盘，使用TCMT 16刀片，具有APMX(最大切深)8.5 mm。可调节角度范围从 10°至80°。只提供侧固柄类型Ø 25 mm。刀体经过处理，使用寿命更长。

KAPR	10° – 80°
APMX	8.5 mm







h_m 0.03 – 0.08

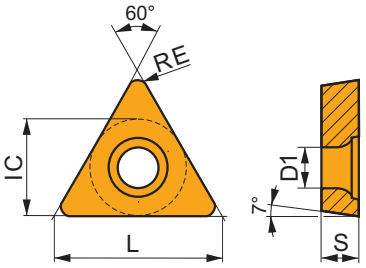
	产品型号	DC (mm)	DCX (mm)	OAL (mm)	DCON MS (mm)	KAPR (°)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835B	**2636-05-25**	5.0	31.0	100	25	10	-8	0	1	–	18100	–	0.35	GI294	CH040
		5.5	31.0			15									
		7.0	29.5			30									
		11.0	29.5			45									
		16.0	28.5			60									
		21.0	26.5			75									
		23.0	26.0			80									

GI294	TCMT 16T304E-FM:T83..	TCMT 16T308E-FM:T83..

CH040	USI 0614	CA 2669	US 4011-T15P	3.5 Nm	M 4	10.6	Flag T15

TCMT

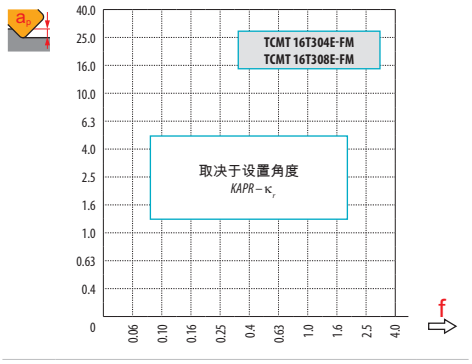
	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
16T3	9.525	4.4	16.5	3.97



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)	(m/min)	(mm/rev)	(mm)
			FM断屑槽，适用于精加工至中粗加工，连续切削至轻微断续切削。																	
TCMT 16T304E-FM	**T8315**	0.40	155	0.12	1.7	90	0.11	1.7	145	0.12	1.7	465	0.14	1.7	–	–	–	–	–	–
	T8330	0.40	150	0.12	1.7	90	0.11	1.7	140	0.12	1.7	450	0.14	1.7	–	–	–	–	–	–
TCMT 16T308E-FM	**T8315**	0.80	170	0.17	1.7	100	0.15	1.7	160	0.17	1.7	510	0.20	1.7	–	–	–	–	–	–
	T8330	0.80	160	0.17	1.7	95	0.15	1.7	150	0.17	1.7	480	0.20	1.7	–	–	–	–	–	–

	TCMT 16-FM	
RE	0.8	0.4
BS	–	–



	a_p	DC	DCX	X.V	f_{min}	f_{max}
10°	2.6	5.0	31.0	1.38	0.24	0.59
15°	3.9	5.5	31.0	1.30	0.17	0.40
30°	7.6	7.0	29.5	1.18	0.10	0.20
45°	10.7	11.0	29.5	1.13	0.09	0.14
60°	13.2	16.0	28.5	1.09	0.09	0.11
75°	14.7	21.0	26.5	1.06	0.09	0.10
80°	15.0	23.0	26.0	1.06	0.09	0.10

a_e / DC	0.10			0.15			0.20			0.25			0.30			0.35			0.40			0.50 – 1.00		
	f																							
10°	0.55	0.91	1.46	0.45	0.74	1.19	0.39	0.64	1.03	0.35	0.58	0.92	0.32	0.53	0.84	0.29	0.49	0.78	0.27	0.46	0.73	0.24	0.41	0.65
15°	0.37	0.61	0.98	0.30	0.50	0.80	0.26	0.43	0.69	0.23	0.39	0.62	0.21	0.35	0.56	0.20	0.33	0.52	0.18	0.31	0.49	0.16	0.27	0.44
30°	0.19	0.32	0.51	0.15	0.26	0.41	0.13	0.22	0.36	0.12	0.20	0.32	0.11	0.18	0.29	0.10	0.17	0.27	0.09	0.16	0.25	0.08	0.14	0.23
45°	0.13	0.22	0.36	0.11	0.18	0.29	0.09	0.16	0.25	0.08	0.14	0.23	0.08	0.13	0.21	0.07	0.12	0.19	0.07	0.11	0.18	0.06	0.10	0.16
60°	0.11	0.18	0.29	0.09	0.15	0.24	0.08	0.13	0.21	0.07	0.12	0.18	0.06	0.11	0.17	0.06	0.10	0.16	0.05	0.09	0.15	0.05	0.08	0.13
75°	0.10	0.16	0.26	0.08	0.13	0.21	0.07	0.12	0.19	0.06	0.10	0.17	0.06	0.09	0.15	0.05	0.09	0.14	0.05	0.08	0.13	0.04	0.07	0.12
80°	0.10	0.16	0.26	0.08	0.13	0.21	0.07	0.11	0.18	0.06	0.10	0.16	0.06	0.09	0.15	0.05	0.09	0.14	0.05	0.08	0.13	0.04	0.07	0.11
X.V	1.35			1.27			1.22			1.19			1.16			1.13			1.11			1.00		

J(T)-SXP16

P M K N

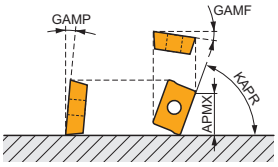
PRAMET

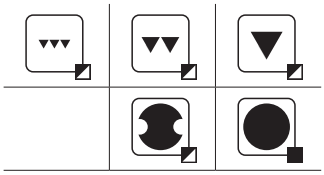
S

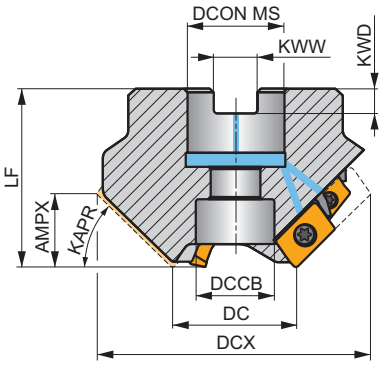
长刃倒角铣刀盘，使用XPHT 16刀片，带内冷

倒角铣刀盘，使用单面XPHT16刀片，具有APMX(最大切深)从7至28 mm。内冷。适用于顶部倒角。只提供芯轴式类型。从Ø 35和Ø 45 mm，尺寸范围从15°，25°，30°，35°，40°，45°，50°，55°，60°和75°倒角角度。刀体经过处理，使用寿命更长。

KAPR	15° – 75°
APMX	7.0 – 28.0 mm







0.05 – 0.11

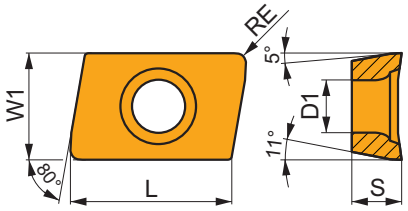
	产品型号	DC (mm)	DCX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	KAPR (°)	KWW (mm)	KWD (mm)	APMX (mm)	GAMF (°)	GAMP (°)	NOF			max.		kg		
	35T03R-S15XP1607-C	35	90.6	50	27	22	15	12.4	7	7.00	-6	-1	3	6	–	15200	✓	1.38	GI208	CH050
	35T03R-S25XP1612-C	35	87.3	50	27	22	25	12.4	7	12.00	-6	0	3	6	–	15200	✓	1.24	GI208	CH050
	35T03R-S30XP1614-C	35	85.1	50	27	22	30	12.4	7	14.00	-6	0	3	6	–	15200	✓	1.28	GI208	CH050
	35T03R-S35XP1616-C	35	82.4	50	27	22	35	12.4	7	16.00	-6	0	3	6	–	15200	✓	1.15	GI208	CH050
	35T03R-S40XP1618-C	35	79.4	50	27	22	40	12.4	7	18.00	-6	1	3	6	–	15200	✓	1.07	GI208	CH050
	35T03R-S45XP1620-C	35	76.1	50	27	22	45	12.4	7	20.00	-6	2	3	6	–	15200	✓	0.97	GI208	CH050
	35T03R-S50XP1622-C	35	72.4	50	27	22	50	12.4	7	22.00	-6	2	3	6	–	15200	✓	0.91	GI208	CH050
	35T03R-S55XP1623-C	35	68.4	50	27	22	55	12.4	7	23.00	-6	2	3	6	–	15200	✓	0.83	GI208	CH050
ISO 6462 DIN 8030	**35T03R-S60XP1625-C**	35	64.2	50	27	22	60	12.4	7	25.00	-5	4	3	6	–	15200	✓	0.67	GI208	CH050
	45T03R-S75XP1628-C	45	60.1	50	27	22	75	12.4	7	28.00	-5	5	3	6	–	13400	✓	0.73	GI208	CH050
	45T04R-S25XP1612-C	45	97.3	50	27	22	25	12.4	7	12.00	-6	0	4	8	✓	13400	✓	1.63	GI208	CH050
	45T04R-S30XP1614-C	45	95.1	50	27	22	30	12.4	7	14.00	-6	0	4	8	✓	13400	✓	1.22	GI208	CH050
	45T04R-S35XP1616-C	45	92.4	50	27	22	35	12.4	7	16.00	-6	2	4	8	✓	13400	✓	1.30	GI208	CH050
	45T04R-S40XP1618-C	45	89.5	50	27	22	40	12.4	7	18.00	-6	2	4	8	✓	13400	✓	1.18	GI208	CH050
	45T04R-S45XP1620-C	45	86.1	50	27	22	45	12.4	7	20.00	-6	2	4	8	✓	13400	✓	1.11	GI208	CH050
	45T04R-S50XP1622-C	45	82.4	50	27	22	50	12.4	7	22.00	-6	2	4	8	✓	13400	✓	1.04	GI208	CH050
	45T04R-S55XP1623-C	45	78.4	50	27	22	55	12.4	7	23.00	-6	2	4	8	✓	13400	✓	0.96	GI208	CH050
	45T04R-S60XP1625-C	45	74.2	50	27	22	60	12.4	7	25.00	-5	4	4	8	✓	13400	✓	0.82	GI208	CH050

GI208	XPHT 1604..

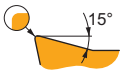
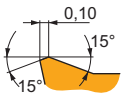
		Nm					
CH050	US 3509-T15	3.0	M 3.5	9	D-T07/T15	FG-15	HS 1230C

XPHT 16

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.525	4.40	15.88	4.76

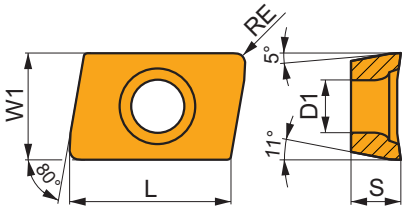


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

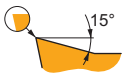
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			U E																	
			E槽型，具有大正前角设计，适用于倒角铣削。																	
XPHT 160412E	**8215**	1.2	225	0.10	15.0	135	0.09	15.0	210	0.10	15.0	–	–	–	–	–	–	–	–	–
	M6330	1.2	190	0.10	15.0	135	0.09	15.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	1.2	220	0.10	15.0	130	0.09	15.0	205	0.10	15.0	–	–	–	–	–	–	–	–	–
	M8340	1.2	195	0.10	15.0	115	0.09	15.0	185	0.10	15.0	–	–	–	–	–	–	–	–	–
			1 U S																	
			S槽型，具有大正前角设计，适用于倒角铣削。																	
XPHT 160412S	**8215**	1.2	210	0.12	15.0	125	0.11	15.0	195	0.12	15.0	–	–	–	–	–	–	–	–	–
	M8330	1.2	210	0.12	15.0	125	0.11	15.0	195	0.12	15.0	–	–	–	–	–	–	–	–	–
	M8340	1.2	190	0.12	15.0	110	0.11	15.0	180	0.12	15.0	–	–	–	–	–	–	–	–	–
	M9325	1.2	270	0.12	15.0	–	–	–	255	0.12	15.0	–	–	–	–	–	–	–	–	–
	M9340	1.2	245	0.12	15.0	145	0.11	15.0	–	–	–	–	–	–	–	–	–	–	–	–

XPHT 16-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1604	9.525	4.40	15.88	4.76

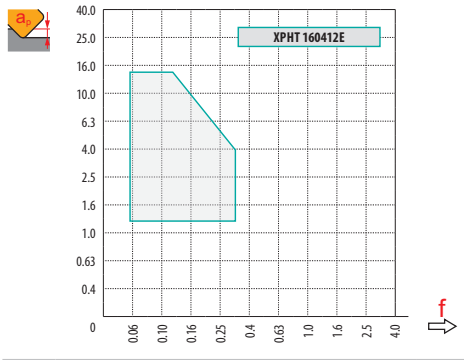


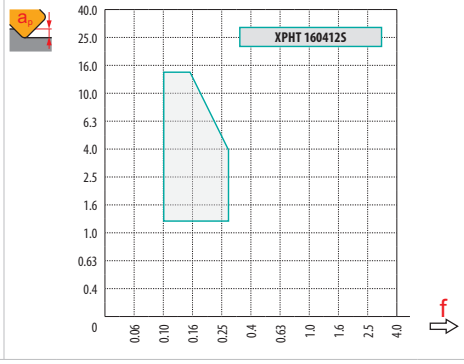
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

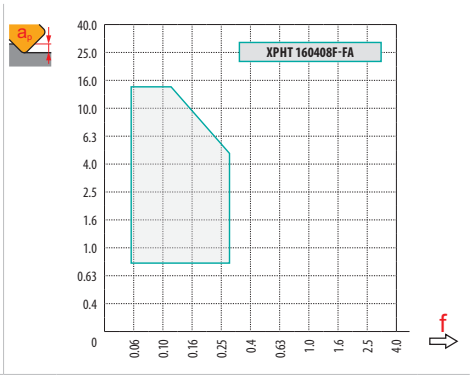
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
XPHT 160408F-FA	**HF7**	0.8	–	–	–	–	–	–	–	–	–	255	0.12	15.0	–	–	–	–	–	–

FA槽型，具有大正前，适用于倒角铣削。

	XPHT 16 E	XPHT 16 S	XPHT 16-FA
RE	1.2	1.2	0.8
BS	–	–	–







a_e / DC	0.10			0.15			0.20			0.25			0.30			0.35			0.40			0.50 – 1.00		
	f																							
15°	0.61	0.98	1.34	0.50	0.80	1.10	0.43	0.69	0.95	0.39	0.62	0.85	0.35	0.56	0.78	0.33	0.52	0.72	0.31	0.49	0.67	0.27	0.44	0.60
25°	0.37	0.60	0.82	0.31	0.49	0.67	0.26	0.42	0.58	0.24	0.38	0.52	0.22	0.35	0.48	0.20	0.32	0.44	0.19	0.30	0.41	0.17	0.27	0.37
30°	0.32	0.51	0.70	0.26	0.41	0.57	0.22	0.36	0.49	0.20	0.32	0.44	0.18	0.29	0.40	0.17	0.27	0.37	0.16	0.25	0.35	0.14	0.23	0.31
35°	0.28	0.44	0.61	0.23	0.36	0.50	0.19	0.31	0.43	0.17	0.28	0.38	0.16	0.25	0.35	0.15	0.24	0.32	0.14	0.22	0.30	0.12	0.20	0.27
40°	0.25	0.39	0.54	0.20	0.32	0.44	0.17	0.28	0.38	0.16	0.25	0.34	0.14	0.23	0.31	0.13	0.21	0.29	0.12	0.20	0.27	0.11	0.18	0.24
45°	0.22	0.36	0.49	0.18	0.29	0.40	0.16	0.25	0.35	0.14	0.23	0.31	0.13	0.21	0.28	0.12	0.19	0.26	0.11	0.18	0.25	0.10	0.16	0.22
50°	0.21	0.33	0.45	0.17	0.27	0.37	0.15	0.23	0.32	0.13	0.21	0.29	0.12	0.19	0.26	0.11	0.18	0.24	0.10	0.17	0.23	0.09	0.15	0.20
55°	0.19	0.31	0.42	0.16	0.25	0.35	0.14	0.22	0.30	0.12	0.20	0.27	0.11	0.18	0.25	0.10	0.17	0.23	0.10	0.15	0.21	0.09	0.14	0.19
60°	0.18	0.29	0.40	0.15	0.24	0.33	0.13	0.21	0.28	0.12	0.18	0.25	0.11	0.17	0.23	0.10	0.16	0.21	0.09	0.15	0.20	0.08	0.13	0.18
75°	0.16	0.26	0.36	0.13	0.21	0.29	0.12	0.19	0.25	0.10	0.17	0.23	0.09	0.15	0.21	0.09	0.14	0.19	0.08	0.13	0.18	0.07	0.12	0.16
X.V	1.35			1.27			1.22			1.19			1.16			1.13			1.11			1.00		

	a_p	DC	DCX	X.V	f_{min}	f_{max}
15°	7	35.0	90.6	1.16	0.43	0.70
25°	12	35.0	87.3	1.16	0.20	0.32
30°	14	35.0	85.1	1.17	0.16	0.25
35°	16	35.0	82.4	1.17	0.13	0.20
40°	18	35.0	79.4	1.17	0.11	0.16
45°	20	35.0	76.0	1.18	0.09	0.14
50°	22	35.0	72.4	1.18	0.08	0.12
55°	23	35.0	68.4	1.20	0.08	0.11
60°	25	35.0	64.1	1.20	0.07	0.09
25°	12	45.0	97.3	1.18	0.23	0.34
30°	14	45.0	95.0	1.18	0.18	0.26
35°	16	45.0	92.4	1.19	0.15	0.21
40°	18	45.0	89.5	1.19	0.12	0.17
45°	20	45.0	86.0	1.20	0.11	0.15
50°	22	45.0	82.4	1.21	0.09	0.13

	a_p	DC	DCX	X.V	f_{min}	f_{max}
55°	23	45.0	78.4	1.22	0.09	0.11
60°	25	45.0	74.1	1.23	0.08	0.10
75°	28	45.0	60.1	1.31	0.07	0.08

设定角度为15°的铣刀可作为HFC使用。使用倒角台的进给。

F-SCC

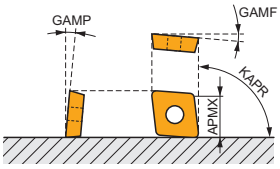
P M K

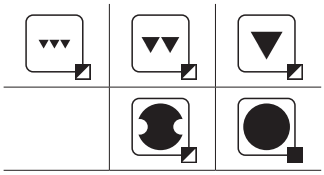
PRAMET S

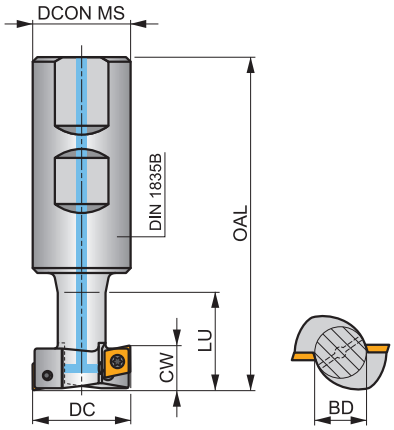
T-型槽铣刀盘，使用CCMX刀片，带内冷

T-型槽铣刀盘，使用单面CCMX刀片，有内冷。适用于T-型槽，反面，浅方肩铣和浅槽铣。只提供侧固柄类型，最大直径范围Ø 25，Ø 32和Ø 40 mm。刀体经过处理，使用寿命更长。

KAPR	90°
APMX	11.0 – 18.0 mm







h_m 0.05 – 0.08

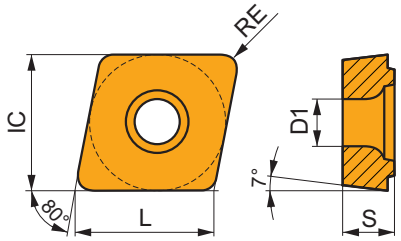
	产品型号	DC (mm)	BD (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	CW (mm)				max.		kg		
DIN 1835B	**25F1R030B25-SCC06-C**	25	12	86	25	25	11.00	1	2	–	28100	✓	0.26	GI148	SQ213
	32F1R038B32-SCC08-C	32	16	98	32	33	14.00	1	2	–	19100	✓	0.50	GI149	SQ212
	40F2R046B32-SCC09-C	40	20	105	32	41	18.00	2	4	–	14900	✓	0.56	GI150	SQ212

GI148	CCMX 060304
GI149	CCMX 08T308
GI150	CCMX 09T308

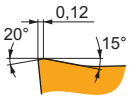
		Nm			
SQ212	US 3007-T09P	2.0	M 3	7.3	Flag T09P
SQ213	US 2506-T07P	1.2	M 2.5	6.3	Flag T07P

CCMX

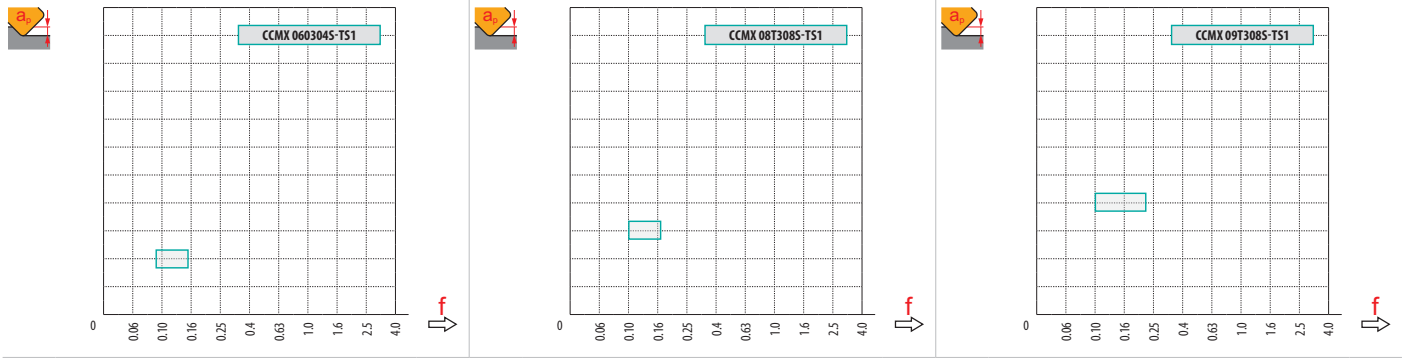
	IC (mm)	D1 (mm)	L (mm)	S (mm)
0603	6.350	2.80	6.40	3.50
08T3	8.030	3.50	8.10	4.40
09T3	9.525	3.50	9.70	3.97



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			U S 非标设计，适用于T-型铣槽fo+l250r轻载到中等切削工况。																	
CCMX 060304S-TS1	**M8330**	0.4	240	0.10	–	140	0.09	–	225	0.10	–	–	–	–	–	–	–	–	–	–
	M8340	0.4	215	0.10	–	125	0.09	–	200	0.10	–	–	–	–	–	–	–	–	–	–
CCMX 08T308S-TS1	**M8330**	0.8	275	0.10	–	165	0.10	–	260	0.10	–	–	–	–	–	–	–	–	–	–
	M8340	0.8	245	0.10	–	145	0.10	–	230	0.10	–	–	–	–	–	–	–	–	–	–
CCMX 09T308S-TS1	**M8330**	0.8	270	0.10	–	160	0.10	–	255	0.10	–	–	–	–	–	–	–	–	–	–
	M8340	0.8	240	0.10	–	140	0.10	–	225	0.10	–	–	–	–	–	–	–	–	–	–

	CCMX 06-TS1	CCMX 08-TS1	CCMX 09-TS1
RE	0.4	0.8	0.8
BS	–	–	–



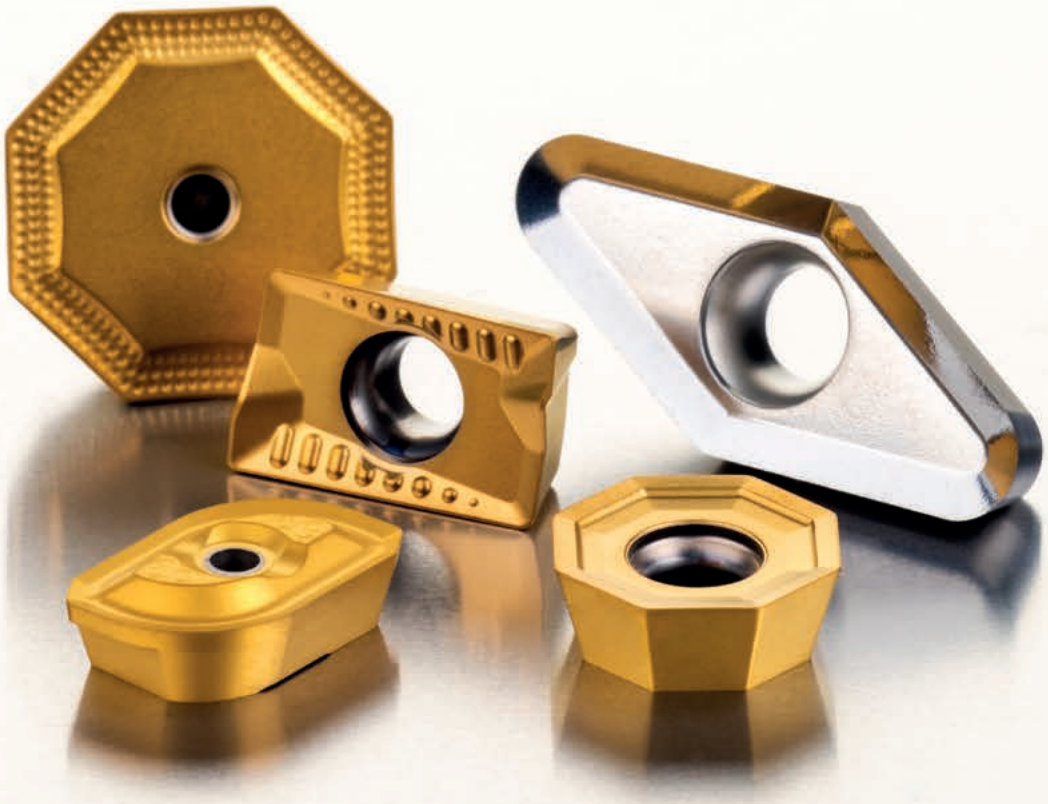
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00

DC	a_e = 1		a_e = 2		a_e = 3		a_e = 4		a_e = 5		a_e = 8		a_e = 10	
	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
25	0.25	0.40	0.18	0.29	0.15	0.24	0.13	0.21	0.12	0.19	0.09	0.15	0.09	0.14
32	0.28	0.45	0.20	0.32	0.17	0.27	0.14	0.23	0.13	0.21	0.10	0.17	0.09	0.15
40	0.32	0.51	0.23	0.36	0.18	0.30	0.16	0.26	0.14	0.23	0.12	0.19	0.10	0.17

DC	a_e = 12		a_e = 16		a_e = 20		a_e = 25		a_e = 32		a_e = 40	
	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
25	0.08	0.13	0.07	0.12	0.07	0.11	0.08	0.13	–	–	–	–
32	0.09	0.14	0.08	0.13	0.07	0.12	0.07	0.11	0.08	0.13	–	–
40	0.10	0.15	0.09	0.14	0.08	0.13	0.07	0.12	0.07	0.11	0.08	0.13

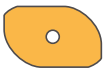
用于T型槽铣
用于方肩和逆铣加工
用于方肩铣

DC		a_{pmax}	a_{emax}
25	1	11	6.4
32	1	14	8.0
40	2	18	9.7



其他铣削刀片

ADKT 15 670

ADKX 15  670

APMT 16 671

CNM 672

ODMT 05 672

OFKR 07 673

RDET 673

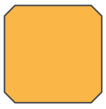
RDEX 674

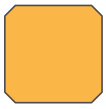
RDHX 20 674

RPET 12 675

RPEW 12 675

RPEX 676

SEEN  676

SEER  677

SEET 12 678

SEET 12-FA 678

SEET 12-PM 679

SEEW 12 679

SFCN 680

SNHF 680

SNHN 681

SNKX 681

SNUN 682

SPGN 682

SPGN 25 DZ 683

SPKN 683

SPKR 684

SPKX 685

SPUN 685

TNJF 686

TPCN 16 687

TPKN 687

TPKR 688

TPUN 689

VCGT 22-FA 690

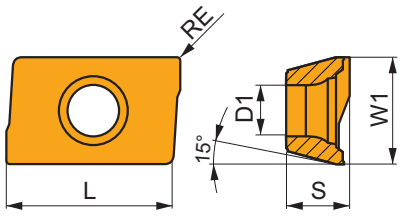
XDHW

690

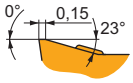
ADKT 15

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1505	9.525	4.40	15.55	5.60



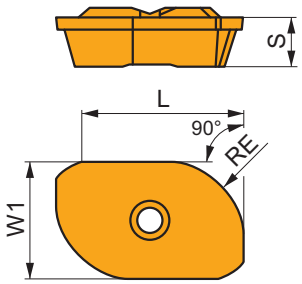
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			M槽型，具有大正前角设计，适用于中等加工。																	
ADKT 1505PDER-M	**M8330**	0.8	235	0.20	5.0	140	0.18	5.0	220	0.20	5.0	–	–	–	55	0.16	4.0	–	–	–
	M8340	0.8	210	0.20	5.0	125	0.18	5.0	195	0.20	5.0	–	–	–	50	0.16	4.0	–	–	–
	M9325	0.8	290	0.20	5.0	–	–	–	275	0.20	5.0	–	–	–	–	–	–	–	–	–

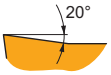
ADKX 15

PRAMET

	W1	L	S
	(mm)	(mm)	(mm)
15T3	9.525	12.60	3.97

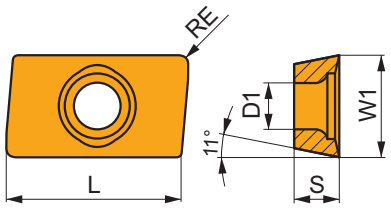


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			F槽型，具有非常锋利正前角设计，适用于轻载到中等加工。																	
ADKX 15T308ER-F	**M8330**	0.8	245	0.10	10.0	145	0.09	10.0	–	–	–	–	–	–	60	0.07	8.0	–	–	–
	M8345	0.8	170	0.10	10.0	100	0.09	10.0	–	–	–	–	–	–	40	0.07	8.0	–	–	–
ADKX 15T330ER-F	**M8330**	3.0	280	0.10	10.0	165	0.09	10.0	–	–	–	–	–	–	70	0.07	8.0	–	–	–
	M8345	3.0	200	0.10	10.0	120	0.09	10.0	–	–	–	–	–	–	50	0.07	8.0	–	–	–
ADKX 15T340ER-F	**M8330**	4.0	280	0.10	10.0	165	0.09	10.0	–	–	–	–	–	–	70	0.07	8.0	–	–	–
	M8345	4.0	200	0.10	10.0	120	0.09	10.0	–	–	–	–	–	–	50	0.07	8.0	–	–	–
ADKX 15T360ER-F	**M8330**	6.0	280	0.10	10.0	165	0.09	10.0	–	–	–	–	–	–	70	0.07	8.0	–	–	–

APMT 16

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1604	9.600	4.50	17.00	4.76

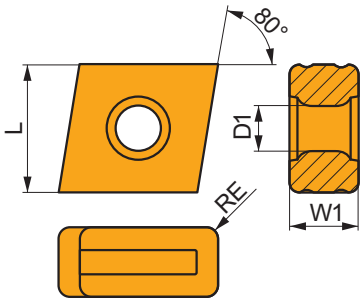


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

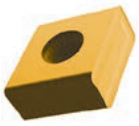
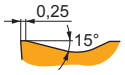
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			F槽型，具有正前角设计，适用于轻载加工。																	
APMT 1604PDER-F	M8330	–	■ 290	0.15	2.0	■ 170	0.14	2.0	◪ 275	0.15	2.0	–	–	–	◪ 70	0.11	1.6	–	–	–
			FM槽型，具有前角设计，适用于轻载到中等加工。																	
APMT 1604PDER-FM	M8330	–	■ 285	0.16	2.0	■ 170	0.14	2.0	◪ 270	0.16	2.0	–	–	–	◪ 70	0.13	1.6	–	–	–
	M8345	–	■ 205	0.16	2.0	■ 120	0.14	2.0	–	–	–	–	–	–	◪ 50	0.13	1.6	–	–	–
			ER-R槽型，具有正前角设计，适用于粗加工。																	
APMT 1604PDER-R	M8330	–	■ 255	0.16	5.0	–	–	–	■ 240	0.16	5.0	–	–	–	–	–	–	–	–	–
	M8345	–	■ 185	0.16	5.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
			SR-R槽型，具有正前角设计，适用于粗加工。																	
APMT 1604PDSR-R	M8330	–	■ 255	0.18	5.0	–	–	–	■ 240	0.18	5.0	–	–	–	–	–	–	–	–	–
	M8345	–	■ 180	0.18	5.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

CNM

	D1 (mm)	L (mm)	S (mm)
63	5.50	15.00	8.00

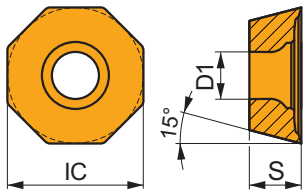


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

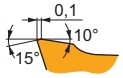
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			U T 通用槽型。																	
CNM 563	**M8330**	1.2	■ 185	0.30	10.0	–	–	–	■ 175	0.30	10.0	–	–	–	–	–	–	–	–	–
	M8340	1.2	■ 220	0.30	10.0	–	–	–	◪ 205	0.30	10.0	–	–	–	–	–	–	–	–	–

ODMT 05

	IC (mm)	D1 (mm)	S (mm)
0504	12.700	4.40	4.76



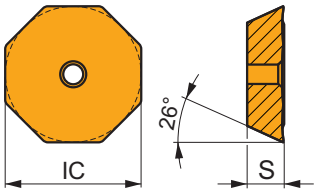
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			1 S 很小的正前角设计，适用于中等加工。																	
ODMT 0504ZZN	**M8340**	–	■ 195	0.25	1.5	–	–	–	◪ 185	0.25	1.5	–	–	–	–	–	–	–	–	–

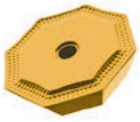
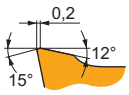
OFKR 07

PRAMET

	IC (mm)	D1 (mm)	S (mm)
0704	17.845	2.65	4.56



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

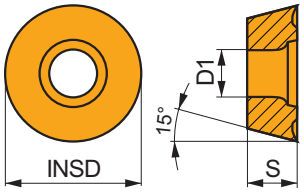
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
OFKR 0704SN-M	M8330	–	235	0.25	1.5	140	0.23	1.5	220	0.25	1.5	–	–	–	–	–	–	–	–	–
	M8340	–	215	0.25	1.5	125	0.23	1.5	200	0.25	1.5	–	–	–	–	–	–	–	–	–

M槽型，具有前角设计，适用于轻载到中等加工。

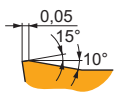
RDET

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
0802	8.0	3.40	2.38
1003	10.0	4.40	3.18
12T3	12.0	4.40	3.97



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

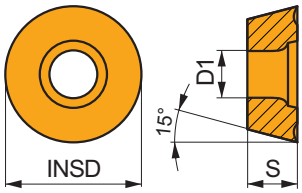
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
RDET 0802MOSN	M8340	–	335	0.15	0.5	200	0.14	0.5	315	0.15	0.5	–	–	–	80	0.12	0.4	–	–	–
RDET 1003MOSN	M8340	–	310	0.15	1.0	185	0.14	1.0	290	0.15	1.0	–	–	–	75	0.12	0.8	–	–	–
RDET 12T3MOSN	M8340	–	280	0.20	1.5	165	0.18	1.5	265	0.20	1.5	–	–	–	70	0.14	1.2	–	–	–

正前角设计，适用于精加工。

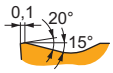
RDEX

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
1204	12.0	4.40	4.76
1604	16.0	5.50	4.76



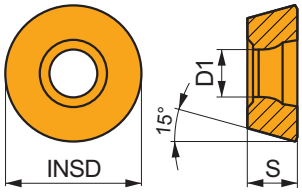
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			HFC S 正前角设计，适用于精加工。																	
RDEX 1204MOSN-12	**M8340**	–	■ 205	0.30	1.5	◪ 120	0.27	1.5	◪ 190	0.30	1.5	–	–	–	◪ 50	0.21	1.2	–	–	–
RDEX 1604MOSN-12	**M8340**	–	■ 195	0.30	2.0	◪ 115	0.27	2.0	◪ 185	0.30	2.0	–	–	–	◪ 45	0.24	1.6	–	–	–

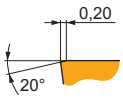
RDHX 20

PRAMET

	INSD (mm)	D1 (mm)	S (mm)
2006	20.0	5.20	6.35

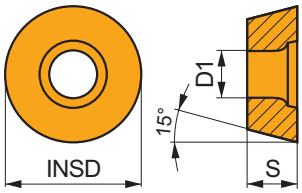


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

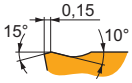
产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			HFC T 平板设计，适用于精加工。																	
RDHX 2006MOT	**M8310**	–	◪ 240	0.35	3.0	–	–	–	■ 225	0.35	3.0	–	–	–	–	–	–	■ 45	0.15	1.0
	M8325	–	◪ 180	0.35	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

RPET 12

	INSD	D1	S
	(mm)	(mm)	(mm)
1204	12.0	4.40	4.76

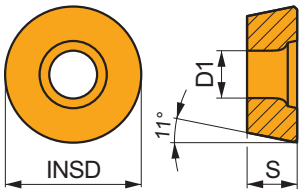


线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

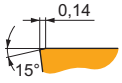
产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC S																	
			正前角设计，适用于精加工。																	
RPET 1204M0SN	**8215**	–	325	0.20	1.5	195	0.18	1.5	305	0.20	1.5	–	–	–	80	0.14	1.2	–	–	–
	M8330	–	320	0.20	1.5	190	0.18	1.5	300	0.20	1.5	–	–	–	80	0.14	1.2	–	–	–
	M8340	–	295	0.20	1.5	175	0.18	1.5	280	0.20	1.5	–	–	–	70	0.14	1.2	–	–	–

RPEW 12

	INSD	D1	S
	(mm)	(mm)	(mm)
1204	12.0	4.40	4.76



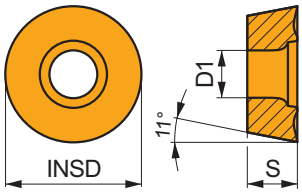
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC S																	
			平板设计，适用于精加工。																	
RPEW 1204M0SN	**M8330**	–	285	0.20	1.5	–	–	–	270	0.20	1.5	–	–	–	–	–	–	55	0.15	1.0
	M8340	–	265	0.20	1.5	–	–	–	250	0.20	1.5	–	–	–	–	–	–	–	–	–

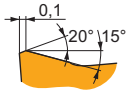
RPEX

PRAMET

	INSD	D1	S
	(mm)	(mm)	(mm)
1204	12.0	4.40	4.76



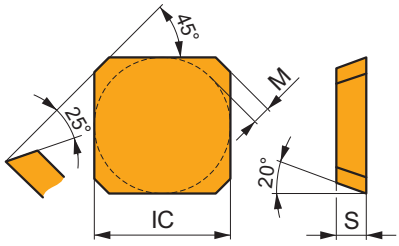
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			HFC S																	
			正前角设计，适用于精加工。																	
RPEX 1204MOSN-12	**M8330**	–	235	0.30	1.5	140	0.27	1.5	220	0.30	1.5	–	–	–	55	0.21	1.2	–	–	–
	M8340	–	215	0.30	1.5	125	0.27	1.5	200	0.30	1.5	–	–	–	50	0.21	1.2	–	–	–

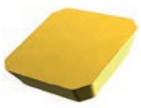
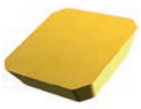
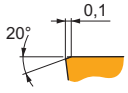
SEEN

PRAMET

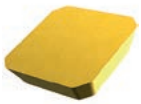
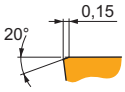
	IC	M	S
	(mm)	(mm)	(mm)
1203	12.700	2	3.18
1504	15.875	2	4.76



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			U F																	
			AFFN刃口制备，平板槽型，适用于轻载到中等加工。																	
SEEN 1203AFFN	**M8330**	–	270	0.15	2.0	160	0.14	2.0	255	0.15	2.0	–	–	–	–	–	–	–	–	–
	M8340	–	245	0.15	2.0	145	0.14	2.0	230	0.15	2.0	–	–	–	–	–	–	–	–	–
			U S																	
			AFSN刃口制备，平板槽型，适用于中等到重载加工。																	
SEEN 1203AFSN	**8215**	–	255	0.20	2.0	–	–	–	240	0.20	2.0	–	–	–	–	–	–	50	0.15	1.0
	M8330	–	255	0.20	2.0	–	–	–	240	0.20	2.0	–	–	–	–	–	–	50	0.15	1.0
	M8340	–	230	0.20	2.0	–	–	–	215	0.20	2.0	–	–	–	–	–	–	–	–	–
	M9315	–	340	0.20	2.0	–	–	–	320	0.20	2.0	–	–	–	–	–	–	65	0.15	1.0
	M9325	–	315	0.20	2.0	–	–	–	295	0.20	2.0	–	–	–	–	–	–	60	0.15	1.0
	M9340	–	285	0.20	2.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

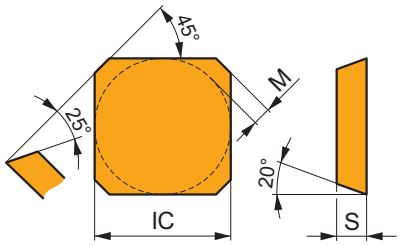
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			AFSN刃口制备，平板槽型，适用于中等到重载加工。																	
SEEN 1504AFSN	**M8330**	–	240	0.20	3.0	–	–	–	225	0.20	3.0	–	–	–	–	–	–	45	0.15	1.0
	M8340	–	225	0.20	3.0	–	–	–	210	0.20	3.0	–	–	–	–	–	–	–	–	–
	M9315	–	320	0.20	3.0	–	–	–	300	0.20	3.0	–	–	–	–	–	–	60	0.15	1.0
	M9325	–	300	0.20	3.0	–	–	–	285	0.20	3.0	–	–	–	–	–	–	60	0.15	1.0

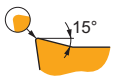
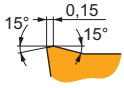
SEER

PRAMET

	IC (mm)	M (mm)	S (mm)
1203	12.700	2	3.18
1204	12.700	2	4.76
1504	15.875	2	4.76



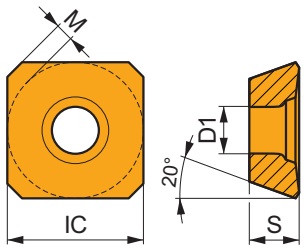
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			AFEN刃口制备，断屑槽型，适用于中等到重载加工。																	
SEER 1203AFEN	**M8330**	–	265	0.24	2.5	155	0.22	2.5	250	0.24	2.5	–	–	–	65	0.22	2.0	–	–	–
	M8340	–	245	0.24	2.5	145	0.22	2.5	230	0.24	2.5	–	–	–	60	0.22	2.0	–	–	–
SEER 1504AFEN	**M8330**	–	250	0.27	3.5	150	0.24	3.5	235	0.27	3.5	–	–	–	60	0.24	2.8	–	–	–
																				
			AFSN刃口制备，断屑槽型，适用于中等到重载加工。																	
SEER 1203AFSN	**M8330**	–	265	0.25	2.5	155	0.23	2.5	250	0.25	2.5	–	–	–	65	0.20	2.0	–	–	–
	M8340	–	240	0.25	2.5	140	0.23	2.5	225	0.25	2.5	–	–	–	60	0.20	2.0	–	–	–
	M9325	–	315	0.25	2.5	–	–	–	295	0.25	2.5	–	–	–	–	–	–	–	–	–
	M9340	–	285	0.25	2.5	170	0.23	2.5	–	–	–	–	–	–	70	0.20	2.0	–	–	–
SEER 1204AFSN	**M8330**	–	265	0.25	2.5	155	0.23	2.5	250	0.25	2.5	–	–	–	65	0.20	2.0	–	–	–
SEER 1504AFSN	**M8330**	–	255	0.25	3.5	150	0.23	3.5	240	0.25	3.5	–	–	–	60	0.20	2.8	–	–	–
	M8340	–	230	0.25	3.5	135	0.23	3.5	215	0.25	3.5	–	–	–	55	0.20	2.8	–	–	–
	M9325	–	305	0.25	3.5	–	–	–	285	0.25	3.5	–	–	–	–	–	–	–	–	–

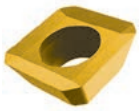
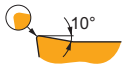
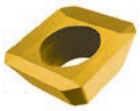
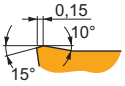
SEET 12

PRAMET

	IC	D1	M	S
	(mm)	(mm)	(mm)	(mm)
1204	12.700	5.50	2	4.76



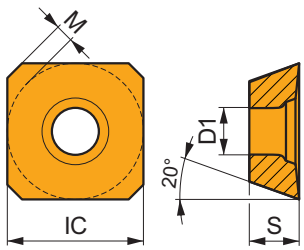
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			E																	
			AFEN刃口制备，正前角通用槽型。																	
SEET 1204AFEN	M8330	–	265	0.24	2.5	155	0.22	2.5	250	0.24	2.5	–	–	–	65	0.22	2.0	–	–	–
			1	S																
			AFSN刃口制备，正前角通用槽型。																	
SEET 1204AFSN	8215	–	265	0.23	2.5	155	0.21	2.5	250	0.23	2.5	–	–	–	65	0.21	2.0	–	–	–
	M8330	–	265	0.24	2.5	155	0.22	2.5	250	0.24	2.5	–	–	–	65	0.22	2.0	–	–	–
	M8340	–	240	0.25	2.5	140	0.23	2.5	225	0.25	2.5	–	–	–	60	0.23	2.0	–	–	–
	M9325	–	340	0.20	2.5	–	–	–	320	0.20	2.5	–	–	–	–	–	–	–	–	–
	M9340	–	290	0.23	2.5	170	0.21	2.5	–	–	–	–	–	–	70	0.21	2.0	–	–	–

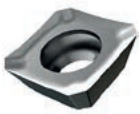
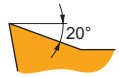
SEET 12-FA

PRAMET

	IC	D1	M	S
	(mm)	(mm)	(mm)	(mm)
1204	12.700	5.50	2	4.76



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			F																	
			FA槽型，具有大正前角设计，适用于精加工到中等加工。																	
SEET 1204AFFN-FA	HF7	–	–	–	–	–	–	–	–	–	–	330	0.18	3.0	–	–	–	–	–	–
	M0315	–	–	–	–	–	–	–	–	–	–	780	0.18	3.0	–	–	–	–	–	–

SEET 12-PM

PRAMET

	IC (mm)	D1 (mm)	M (mm)	S (mm)
12T3	13.400	4.20	2	3.97

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

PM槽型，具有正前角通用设计。

产品型号		RE (mm)	P	vc (m/min)	f (mm/tooth)	ap (mm)	M	vc (m/min)	f (mm/tooth)	ap (mm)	K	vc (m/min)	f (mm/tooth)	ap (mm)	N	vc (m/min)	f (mm/tooth)	ap (mm)	S	vc (m/min)	f (mm/tooth)	ap (mm)	H	vc (m/min)	f (mm/tooth)	ap (mm)
SEET 12T3M-PM	**M8330**	–	■	265	0.25	2.0	◩	155	0.23	2.0	■	250	0.25	2.0		–	–	–	◩	65	0.20	1.6		–	–	–
	M8340	–	■	245	0.25	2.0	◩	145	0.23	2.0	◩	230	0.25	2.0		–	–	–	◩	60	0.20	1.6		–	–	–
	M9325	–	■	325	0.25	2.0		–	–	–	■	305	0.25	2.0		–	–	–		–	–	–		–	–	–
	M9340	–	■	290	0.25	2.0	◩	170	0.23	2.0		–	–	–		–	–	–	◩	70	0.20	1.6		–	–	–

SEEW 12

PRAMET

	IC (mm)	D1 (mm)	M (mm)	S (mm)
1204	12.700	5.50	2	4.76

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

AFEN刃口制备具有平板槽型，适用于轻载到中等加工。

产品型号		RE (mm)	P	vc (m/min)	f (mm/tooth)	ap (mm)	M	vc (m/min)	f (mm/tooth)	ap (mm)	K	vc (m/min)	f (mm/tooth)	ap (mm)	N	vc (m/min)	f (mm/tooth)	ap (mm)	S	vc (m/min)	f (mm/tooth)	ap (mm)	H	vc (m/min)	f (mm/tooth)	ap (mm)
SEEW 1204AFEN	**M8330**	–	◩	265	0.15	2.5		–	–	–	◩	250	0.15	2.5		–	–	–		–	–	–		–	–	–
	M8340	–	◩	240	0.15	2.5		–	–	–	◩	225	0.15	2.5		–	–	–		–	–	–		–	–	–

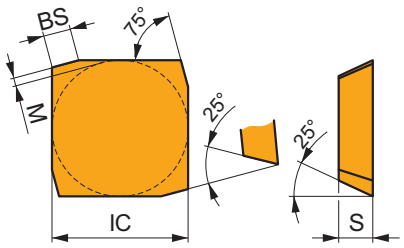
AFSN刃口制备，具有平板槽型，适用于轻载到中等加工。

产品型号		RE (mm)	P	vc (m/min)	f (mm/tooth)	ap (mm)	M	vc (m/min)	f (mm/tooth)	ap (mm)	K	vc (m/min)	f (mm/tooth)	ap (mm)	N	vc (m/min)	f (mm/tooth)	ap (mm)	S	vc (m/min)	f (mm/tooth)	ap (mm)	H	vc (m/min)	f (mm/tooth)	ap (mm)
SEEW 1204AFSN	**8215**	–	◩	250	0.20	2.5		–	–	–	■	235	0.20	2.5		–	–	–		–	–	–	◩	50	0.15	1.0
	M8330	–	◩	245	0.20	2.5		–	–	–	■	230	0.20	2.5		–	–	–		–	–	–	◩	45	0.15	1.0
	M8340	–	◩	225	0.20	2.5		–	–	–	◩	210	0.20	2.5		–	–	–		–	–	–		–	–	–
	M9325	–	◩	305	0.20	2.5		–	–	–	■	285	0.20	2.5		–	–	–		–	–	–	◩	60	0.15	1.0

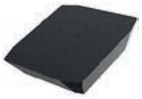
SFCN

PRAMET

	IC (mm)	M (mm)	S (mm)	BS (mm)
1203	12.700	1	3.18	2.00



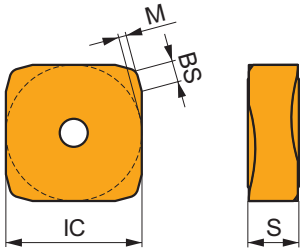
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			F																	
			正前角设计，适用于轻载到中等加工。																	
SFCN 1203EFFR	H10	–	–	–	–	–	–	–	–	–	–	■ 405	0.12	3.0	–	–	–	–	–	–
	M0315	–	–	–	–	–	–	–	–	–	–	■ 765	0.12	3.0	–	–	–	–	–	–

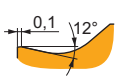
SNHF

PRAMET

	BS (mm)	IC (mm)	M (mm)	S (mm)
1204	2.00	12.700	1	4.76
1504	1.40	15.875	1	4.76



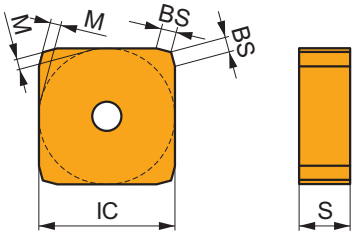
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			S																	
			M槽型，具有前角设计，适用于轻载到中等加工。																	
SNHF 1204ENSR-M	M8330	–	■ 235	0.15	4.0	–	–	–	◪ 220	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8340	–	■ 230	0.15	4.0	–	–	–	◪ 215	0.15	4.0	–	–	–	–	–	–	–	–	–
SNHF 1504ENSR-M	M8330	–	■ 225	0.15	6.0	–	–	–	◪ 210	0.15	6.0	–	–	–	–	–	–	–	–	–
	M8340	–	■ 220	0.15	6.0	–	–	–	◪ 205	0.15	6.0	–	–	–	–	–	–	–	–	–

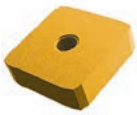
SNHN

PRAMET

	BS (mm)	IC (mm)	M (mm)	S (mm)
1204	1.40	12.700	1	4.76
1504	1.40	15.875	1	4.76



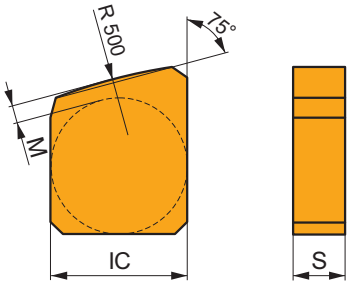
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			标准负前角铣削槽型，适用于75°面铣削。																	
SNHN 1204ENEN	**8215**	–	275	0.15	6.0	–	–	–	260	0.15	6.0	–	–	–	–	–	–	55	0.15	1.0
	M8330	–	270	0.15	6.0	–	–	–	255	0.15	6.0	–	–	–	–	–	–	50	0.15	1.0
	M8340	–	245	0.15	6.0	–	–	–	230	0.15	6.0	–	–	–	–	–	–	–	–	–
	M9325	–	340	0.15	6.0	–	–	–	320	0.15	6.0	–	–	–	–	–	–	65	0.15	1.0
	S26	–	110	0.15	6.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNHN 1504ENEN	**8215**	–	260	0.15	9.0	–	–	–	245	0.15	9.0	–	–	–	–	–	–	50	0.15	1.0
	M8330	–	260	0.15	9.0	–	–	–	245	0.15	9.0	–	–	–	–	–	–	50	0.15	1.0
	M8340	–	235	0.15	9.0	–	–	–	220	0.15	9.0	–	–	–	–	–	–	–	–	–
	S26	–	105	0.15	9.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

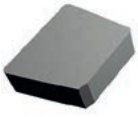
SNKX

PRAMET

	IC (mm)	M (mm)	S (mm)
1204	12.700	1	4.76
1504	15.875	1	4.76



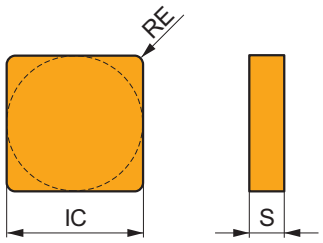
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			标准负前角修光刃槽型，适用于75°面铣削。																	
SNKX 1204ENFN	**H10**	–	–	–	–	–	–	–	115	0.15	6.0	–	–	–	–	–	–	–	–	–
SNKX 1504ENFN	**H10**	–	–	–	–	–	–	–	110	0.15	9.0	–	–	–	–	–	–	–	–	–

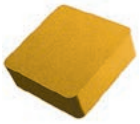
SNUN

PRAMET

	IC (mm)	S (mm)
1204	12.700	4.76
1504	15.875	4.76



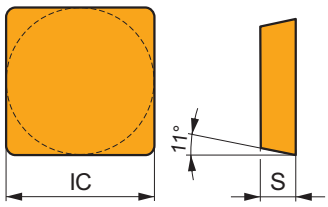
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			E																	
负前角槽型铣削刀片，也可以用于车削。																				
SNUN 120408	**M8330**	0.8	260	0.13	4.5	–	–	–	245	0.13	4.5	–	–	–	–	–	–	50	0.15	1.0
SNUN 120412	**M8330**	1.2	275	0.13	4.5	–	–	–	260	0.13	4.5	–	–	–	–	–	–	55	0.15	1.0
	S26	1.2	110	0.13	4.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SNUN 150412	**M8330**	1.2	255	0.15	6.0	–	–	–	240	0.15	6.0	–	–	–	–	–	–	50	0.15	1.0

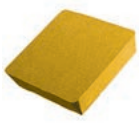
SPGN

PRAMET

	IC (mm)	S (mm)
0903	9.525	3.18
1203	12.700	3.18
1504	15.875	4.76



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			E																	
平板设计的铣削刀片，也可以用于车削。																				
SPGN 090308	**M8340**	0.8	225	0.15	2.0	–	–	–	210	0.15	2.0	–	–	–	–	–	–	–	–	–
SPGN 120304	**M8330**	0.4	195	0.15	4.0	–	–	–	185	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8340	0.4	175	0.15	4.0	–	–	–	165	0.15	4.0	–	–	–	–	–	–	–	–	–
SPGN 120308	**M8330**	0.8	230	0.15	4.0	–	–	–	215	0.15	4.0	–	–	–	–	–	–	–	–	–
SPGN 150412	**M8330**	1.2	225	0.20	5.0	–	–	–	210	0.20	5.0	–	–	–	–	–	–	–	–	–

⏮

SPGN 25 DZ

PRAMET

	IC (mm)	M (mm)	S (mm)	BS (mm)
2506	25.000	3	6.35	2.40

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

DZ槽型，具有平板设计，适用于重载加工。

产品型号		RE (mm)	P	vc (m/min)	f (mm/tooth)	ap (mm)	M	vc (m/min)	f (mm/tooth)	ap (mm)	K	vc (m/min)	f (mm/tooth)	ap (mm)	N	vc (m/min)	f (mm/tooth)	ap (mm)	S	vc (m/min)	f (mm/tooth)	ap (mm)	H	vc (m/min)	f (mm/tooth)	ap (mm)
SPGN 2506DZSR	**M8326**	–	◩	110	0.50	12.0		–	–	–	◩	100	0.50	12.0		–	–	–		–	–	–		–	–	–
	M8346	–	■	90	0.50	12.0		–	–	–		–	–	–		–	–	–		–	–	–		–	–	–

SPKN

PRAMET

	IC (mm)	M (mm)	S (mm)	BS (mm)
1203	12.700	1	3.18	1.60
1504	15.875	1	4.76	1.70

线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

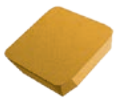
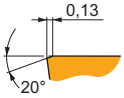
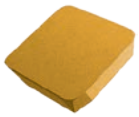
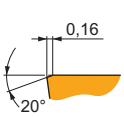
EDER刃口制备具有平板槽型，适用于轻载到中等加工。

产品型号		RE (mm)	P	vc (m/min)	f (mm/tooth)	ap (mm)	M	vc (m/min)	f (mm/tooth)	ap (mm)	K	vc (m/min)	f (mm/tooth)	ap (mm)	N	vc (m/min)	f (mm/tooth)	ap (mm)	S	vc (m/min)	f (mm/tooth)	ap (mm)	H	vc (m/min)	f (mm/tooth)	ap (mm)
SPKN 1203EDER	**H10**	–		–	–	–		–	–	–	■	110	0.15	4.0		–	–	–		–	–	–		–	–	–
	M8330	–	■	255	0.15	4.0		–	–	–	■	240	0.15	4.0		–	–	–		–	–	–		–	–	–
	M8340	–	■	230	0.15	4.0		–	–	–	◩	215	0.15	4.0		–	–	–		–	–	–		–	–	–
SPKN 1504EDER	**H10**	–		–	–	–		–	–	–	◩	100	0.20	5.0		–	–	–		–	–	–		–	–	–
	M8330	–	■	235	0.20	5.0		–	–	–	◩	220	0.20	5.0		–	–	–		–	–	–		–	–	–
	M8340	–	■	210	0.20	5.0		–	–	–	◩	195	0.20	5.0		–	–	–		–	–	–		–	–	–

EDSR刃口制备，平板槽型，适用于中等加工。

产品型号		RE (mm)	P	vc (m/min)	f (mm/tooth)	ap (mm)	M	vc (m/min)	f (mm/tooth)	ap (mm)	K	vc (m/min)	f (mm/tooth)	ap (mm)	N	vc (m/min)	f (mm/tooth)	ap (mm)	S	vc (m/min)	f (mm/tooth)	ap (mm)	H	vc (m/min)	f (mm/tooth)	ap (mm)
SPKN 1203EDSL	**M8330**	–	◩	240	0.20	4.0		–	–	–	■	225	0.20	4.0		–	–	–		–	–	–	◩	45	0.15	1.0

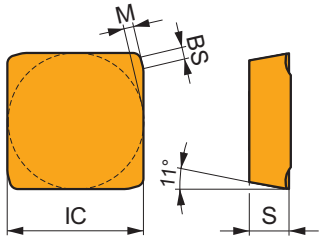
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			EDSR刃口制备，平板槽型，适用于中等加工。																	
SPKN 1203EDSR	**8215**	–	◩ 240	0.20	4.0	–	–	–	■ 225	0.20	4.0	–	–	–	–	–	–	◩ 45	0.15	1.0
	H10	–	–	–	–	–	–	–	■ 100	0.20	4.0	–	–	–	–	–	–	–	–	–
	M8330	–	◩ 240	0.20	4.0	–	–	–	■ 225	0.20	4.0	–	–	–	–	–	–	◩ 45	0.15	1.0
	M8340	–	◩ 215	0.20	4.0	–	–	–	◩ 200	0.20	4.0	–	–	–	–	–	–	–	–	–
	M9325	–	◩ 290	0.20	4.0	–	–	–	■ 275	0.20	4.0	–	–	–	–	–	–	◩ 55	0.15	1.0
	S26	–	◩ 95	0.20	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
																				
			EDSR(右手)/EDSL(左手)刃口制备，具有平板槽型，适用于中等加工。																	
SPKN 1504EDSL	**M8340**	–	◩ 205	0.25	5.0	–	–	–	◩ 190	0.25	5.0	–	–	–	–	–	–	–	–	–
SPKN 1504EDSR	**8215**	–	◩ 220	0.25	5.0	–	–	–	◩ 205	0.25	5.0	–	–	–	–	–	–	◩ 40	0.15	1.0
	H10	–	–	–	–	–	–	–	◩ 95	0.25	5.0	–	–	–	–	–	–	–	–	–
	M8330	–	◩ 220	0.25	5.0	–	–	–	◩ 205	0.25	5.0	–	–	–	–	–	–	◩ 40	0.15	1.0
	M8340	–	◩ 205	0.25	5.0	–	–	–	◩ 190	0.25	5.0	–	–	–	–	–	–	–	–	–
	M9315	–	◩ 285	0.25	5.0	–	–	–	◩ 270	0.25	5.0	–	–	–	–	–	–	◩ 55	0.15	1.0
	M9325	–	◩ 270	0.25	5.0	–	–	–	◩ 255	0.25	5.0	–	–	–	–	–	–	◩ 50	0.15	1.0
	S26	–	◩ 90	0.25	5.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

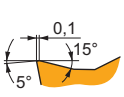
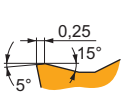
SPKR

PRAMET

	IC (mm)	L (mm)	M (mm)	S (mm)
1203	12.700	12.70	1	3.18
1504	15.875	15.88	1	4.76



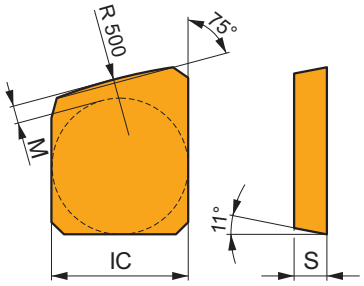
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			EDSR刃口制备，断屑槽型，适用于中等到重载加工。																	
SPKR 1203EDSR	**M8330**	–	■ 265	0.20	4.0	◩ 155	0.18	4.0	■ 250	0.20	4.0	–	–	–	–	–	–	–	–	–
	M8340	–	■ 240	0.20	4.0	◩ 140	0.18	4.0	◩ 225	0.20	4.0	–	–	–	–	–	–	–	–	–
	M9340	–	■ 295	0.20	4.0	◩ 175	0.18	4.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
			EDSR刃口制备，断屑槽型，适用于中等到重载加工。																	
SPKR 1504EDSR	**M8330**	–	■ 245	0.25	5.0	◩ 145	0.25	5.0	■ 230	0.25	5.0	–	–	–	–	–	–	–	–	–
	M8340	–	■ 225	0.25	5.0	◩ 135	0.25	5.0	◩ 210	0.25	5.0	–	–	–	–	–	–	–	–	–

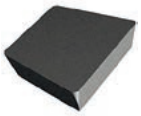
SPKX

PRAMET

	IC	M	S
	(mm)	(mm)	(mm)
1203	12.700	1	3.18
1504	15.875	1	4.76



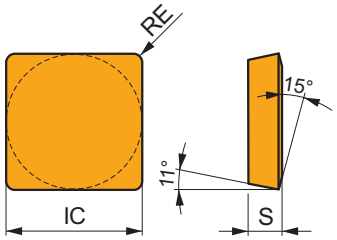
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			W F 平板修光刃槽型，适用于改善表面光洁度																	
SPKX 1203EDFR	**H10**	–	–	–	–	–	–	–	■ 100	0.20	4.0	–	–	–	–	–	–	–	–	–
SPKX 1504EDFR	**H10**	–	–	–	–	–	–	–	■ 95	0.25	5.0	–	–	–	–	–	–	–	–	–

SPUN

PRAMET

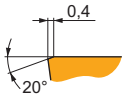
	IC	S
	(mm)	(mm)
1203	12.700	3.18
1504	15.875	4.76
1904	19.050	4.76
2506	25.400	6.35



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			E 平板槽型铣削刀片，也可以用于车削。																	
SPUN 120304	**M8330**	0.4	■ 195	0.15	4.0	–	–	–	◪ 185	0.15	4.0	–	–	–	–	–	–	–	–	–
SPUN 120308	**H10**	0.8	–	–	–	–	–	–	◪ 95	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	■ 230	0.15	4.0	–	–	–	◪ 215	0.15	4.0	–	–	–	–	–	–	–	–	–
	S26	0.8	■ 95	0.15	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SPUN 120312	**M8330**	1.2	■ 245	0.15	4.0	–	–	–	◪ 230	0.15	4.0	–	–	–	–	–	–	–	–	–
			E 平板槽型铣削刀片，也可以用于车削。																	
SPUN 150412	**M8330**	1.2	■ 225	0.20	5.0	–	–	–	◪ 210	0.20	5.0	–	–	–	–	–	–	–	–	–
SPUN 190408	**M8330**	0.8	■ 210	0.20	6.0	–	–	–	◪ 195	0.20	6.0	–	–	–	–	–	–	–	–	–
SPUN 190412	**M8330**	1.2	■ 220	0.20	6.0	–	–	–	◪ 205	0.20	6.0	–	–	–	–	–	–	–	–	–

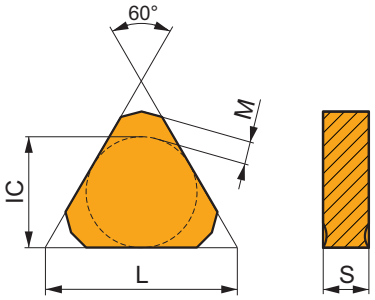
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
平板槽型铣削刀片，也可以用于车削。																				
SPUN 250616S	**M8326**	1.6	115	0.40	12.0	–	–	–	105	0.40	12.0	–	–	–	–	–	–	–	–	–
SPUN 250620S	**M5326**	2.0	145	0.40	12.0	–	–	–	135	0.40	12.0	–	–	–	–	–	–	–	–	–
	M8326	2.0	120	0.40	12.0	–	–	–	110	0.40	12.0	–	–	–	–	–	–	–	–	–
	M8346	2.0	100	0.40	12.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	S26	2.0	45	0.40	12.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

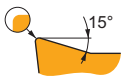
TNJF

PRAMET

	IC (mm)	L (mm)	M (mm)	S (mm)
1204	12.700	22.00	2	4.76



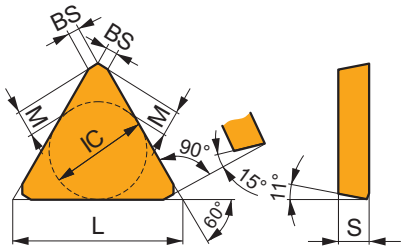
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
前角具有断屑槽型。																				
TNJF 1204ANEN	**M8330**	–	270	0.15	4.0	160	0.14	4.0	255	0.15	4.0	–	–	–	–	–	–	–	–	–

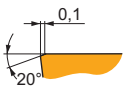
TPCN 16

PRAMET

	BS	IC	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1603	1.20	9.530	16.10	2	3.18



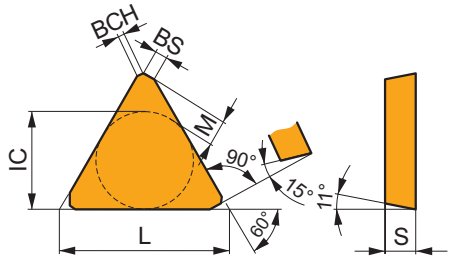
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			非标设计，适用于盘铣刀。																	
TPCN 1603PDSN	**M8330**	–	195	0.20	–	–	–	–	185	0.20	–	–	–	–	–	–	–	–	–	–
	M8340	–	175	0.20	–	–	–	–	165	0.20	–	–	–	–	–	–	–	–	–	–

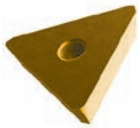
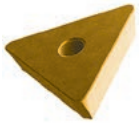
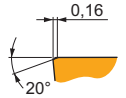
TPKN

PRAMET

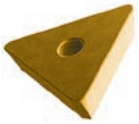
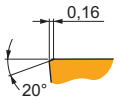
	IC	L	M	S	BCH	BS
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
1603	9.530	16.50	2	3.18	1.20	1.30
2204	12.700	22.00	4	4.76	1.20	1.50



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			PDER刃口制备，平板槽型，适用于轻载到中等加工。																	
TPKN 1603PDER	**M8330**	–	195	0.15	4.0	–	–	–	185	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8340	–	175	0.15	4.0	–	–	–	165	0.15	4.0	–	–	–	–	–	–	–	–	–
TPKN 2204PDER	**8215**	–	190	0.15	5.5	–	–	–	180	0.15	5.5	–	–	–	–	–	–	–	–	–
	M8330	–	190	0.15	5.5	–	–	–	180	0.15	5.5	–	–	–	–	–	–	–	–	–
	M8340	–	170	0.15	5.5	–	–	–	160	0.15	5.5	–	–	–	–	–	–	–	–	–
																				
			PDSR刃口制备，平板槽型，适用于中等加工。																	
TPKN 1603PDSR	**M8330**	–	185	0.20	4.0	–	–	–	175	0.20	4.0	–	–	–	–	–	–	35	0.15	1.0
	M8340	–	165	0.20	4.0	–	–	–	155	0.20	4.0	–	–	–	–	–	–	–	–	–
	S26	–	75	0.20	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

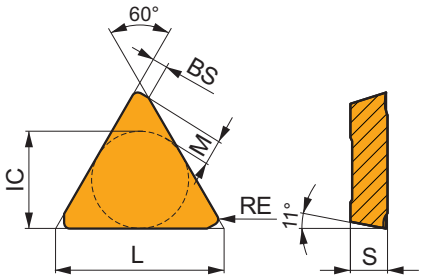
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
PDSR刃口制备，平板槽型，适用于中等加工。																				
TPKN 2204PDSR	**H10**	–	–	–	–	–	–	–	◪ 80	0.20	5.5	–	–	–	–	–	–	–	–	–
	M5315	–	◪ 235	0.20	5.5	–	–	–	◪ 220	0.20	5.5	–	–	–	–	–	–	◪ 45	0.15	1.0
	M8310	–	◪ 195	0.20	5.5	–	–	–	◪ 185	0.20	5.5	–	–	–	–	–	–	◪ 35	0.15	1.0
	M8330	–	◪ 175	0.20	5.5	–	–	–	◪ 165	0.20	5.5	–	–	–	–	–	–	◪ 35	0.15	1.0
	M8340	–	◪ 160	0.20	5.5	–	–	–	◪ 150	0.20	5.5	–	–	–	–	–	–	–	–	–
	M9325	–	◪ 220	0.20	5.5	–	–	–	◪ 205	0.20	5.5	–	–	–	–	–	–	◪ 40	0.15	1.0
	S26	–	◪ 75	0.20	5.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

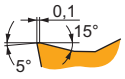
TPKR

PRAMET

	IC (mm)	L (mm)	M (mm)	S (mm)	BS (mm)
1603	9.530	16.50	2	3.18	1.40
2204	12.700	22.00	4	4.76	1.40



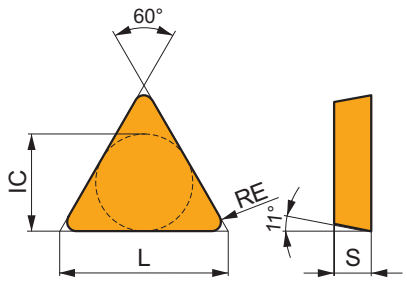
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
PDSR刃口制备，断屑槽型，适用于中等到重载加工。																				
TPKR 1603PDSR	**M8330**	–	■ 185	0.20	4.0	◪ 110	0.18	4.0	■ 175	0.20	4.0	–	–	–	–	–	–	–	–	–
	M8340	–	■ 165	0.20	4.0	◪ 95	0.18	4.0	◪ 155	0.20	4.0	–	–	–	–	–	–	–	–	–
TPKR 2204PDSR	**M8330**	–	■ 175	0.20	5.5	◪ 105	0.18	5.5	■ 165	0.20	5.5	–	–	–	–	–	–	–	–	–
	M8340	–	■ 160	0.20	5.5	◪ 95	0.18	5.5	◪ 150	0.20	5.5	–	–	–	–	–	–	–	–	–
	M9325	–	■ 220	0.20	5.5	–	–	–	■ 205	0.20	5.5	–	–	–	–	–	–	–	–	–
	M9340	–	■ 195	0.20	5.5	◪ 115	0.18	5.5	–	–	–	–	–	–	–	–	–	–	–	–

TPUN

PRAMET

	IC (mm)	L (mm)	S (mm)
1103	6.350	11.00	3.18
1603	9.525	16.50	3.18
2204	12.700	22.00	4.76



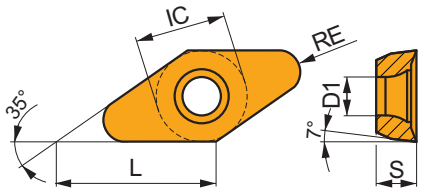
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			E																	
			平板槽型铣削刀片，也可以用于车削。																	
TPUN 110304	**H10**	0.4	–	–	–	–	–	–	◪ 90	0.10	0.8	–	–	–	–	–	–	–	–	–
	M8330	0.4	–	–	–	–	–	–	■ 150	0.10	1.2	–	–	–	–	–	–	◪ 30	0.15	1.0
TPUN 110308	**M8330**	0.8	–	–	–	–	–	–	■ 155	0.18	1.2	–	–	–	–	–	–	◪ 30	0.15	1.0
TPUN 160304	**8215**	0.4	◪ 155	0.15	4.0	–	–	–	◪ 145	0.15	4.0	–	–	–	–	–	–	–	–	–
	H10	0.4	–	–	–	–	–	–	◪ 65	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8330	0.4	◪ 155	0.15	4.0	–	–	–	◪ 145	0.15	4.0	–	–	–	–	–	–	–	–	–
	S26	0.4	◪ 65	0.15	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TPUN 160308	**8215**	0.8	◪ 185	0.15	4.0	–	–	–	◪ 175	0.15	4.0	–	–	–	–	–	–	–	–	–
	H10	0.8	–	–	–	–	–	–	◪ 80	0.15	4.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	–	–	–	–	–	–	■ 155	0.18	1.5	–	–	–	–	–	–	◪ 30	0.15	1.0
	S26	0.8	◪ 75	0.15	4.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TPUN 160312	**M8330**	1.2	–	–	–	–	–	–	■ 155	0.20	1.5	–	–	–	–	–	–	◪ 30	0.15	1.0
TPUN 220408	**8215**	0.8	◪ 170	0.20	5.0	–	–	–	◪ 160	0.20	5.0	–	–	–	–	–	–	–	–	–
	M8330	0.8	◪ 170	0.20	5.0	–	–	–	◪ 160	0.20	5.0	–	–	–	–	–	–	–	–	–
	S26	0.8	◪ 70	0.20	5.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TPUN 220412	**M8330**	1.2	–	–	–	–	–	–	■ 155	0.20	2.0	–	–	–	–	–	–	◪ 30	0.15	1.0

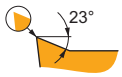
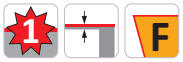
VCGT 22-FA

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
2205	12.700	5.20	22.00	5.50



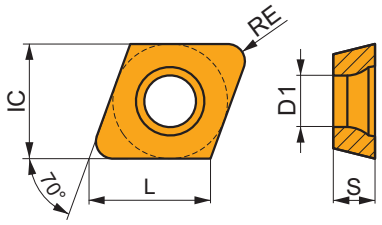
线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
FA槽型，具有大正前角设计，适用于中等加工到粗加工。																				
VCGT 220515F-FA	**HF7**	1.5	–	–	–	–	–	–	–	–	–	■ 255	0.24	0.4	–	–	–	–	–	–
VCGT 220520F-FA	**HF7**	2.0	–	–	–	–	–	–	–	–	–	■ 255	0.30	0.5	–	–	–	–	–	–
VCGT 220530F-FA	**HF7**	3.0	–	–	–	–	–	–	–	–	–	■ 210	0.48	1.0	–	–	–	–	–	–

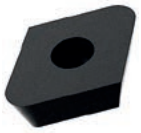
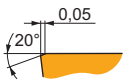
XDHW

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
0702	6.500	2.95	6.90	2.38
10T3	10.000	3.95	10.60	3.97



线速度(vc)，进给量(f)和切深(ap)的适用性和起始值。参考我们的Machining Calculator app，以获得进一步的计算。

产品型号		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
EN槽型，具有平板设计，适用于铣槽。																				
XDHW 070210EN	**M8310**	1.0	◪ 310	0.10	1.0	–	–	–	■ 290	0.10	1.0	–	–	–	–	–	–	■ 60	0.15	1.0
																				
SN槽型，具有平板设计，适用于铣槽。																				
XDHW 070210SN	**M8310**	1.0	◪ 310	0.10	1.0	–	–	–	■ 290	0.10	1.0	–	–	–	–	–	–	■ 60	0.15	1.0
	M8325	1.0	◪ 230	0.10	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
XDHW 10T310SN	**M8310**	1.0	◪ 275	0.15	1.0	–	–	–	■ 260	0.15	1.0	–	–	–	–	–	–	■ 55	0.15	1.0
	M8325	1.0	◪ 210	0.15	1.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

可转位铣刀 – 技术信息

工件材料分组 (WMG)

关于DORMER PRAMET的工件材料分类

工件材料分组 (WMG) 用于支持简单和可靠地选择正确的切削刀具以及适合特定应用加工工况的初始值。
Dormer Pramet将工件材料分为六个不同的颜色组 ;

- 蓝色 : 钢和铸钢 (P组)
- 黄色 : 不锈钢 (M组)
- 红色 : 铸铁 (K组)
- 绿色 : 有色金属 (N组)
- 橙色 : 高温合金 (S组)
- 灰色 : 硬化材料 (H组)

上述各组再根据其结构和/或成分分为几个子组。例如 , P组钢和铸钢分成四个子组 , 即 :

- P1 – 易切削钢
- P2 – 普通碳钢
- P3 – 合金钢
- P4 – 工具钢

最后 , 根据材料属性 (例如硬度和极限抗拉强度) 进行进一步分类。通过这种分类方式 , 可以为我们的客户提供一套完整的刀具推荐方案 , 包括线速度和进给量等初始值。
下页的表格中包含对每个工件材料分组的描述 , 以及适用于该分组的常用名称示例。

ISO组		子分组		WMG（加工材料组）		k_{vg}	材料示例（AISI、EN、DIN、ČSN、GB、SS、STN、BS、UNE、AFNOR、ASTM、GOST、UNS、UNI、...）
P	钢和铸钢（钢，合金含量 ≤ 10 %，硬度 < 45HRC）	P1	高速切削钢（可加工性更高的碳钢）	P1.1	易切削的硫化碳钢，硬度 < 240 HB	1.33	AISI **1108**, EN **15S22**, DIN **1.0723**, SS **1922**, ČSN **11120**, BS **210A15**, UNE **F.210F**, GB **Y15**, AFNOR **10F1**, GOST **A30**, UNI **CF10S20**
				P1.2	易切削的硫化和磷化碳钢，硬度 < 180HB	1.49	AISI **1211**, EN **11SMn30**, DIN **1.0715**, SS **1912**, ČSN **11109**, BS **230M7**, UNE **F.2111**, GB **Y15**, AFNOR **S250**, GOST **A40G**, UNI **CF9SMn28**
				P1.3	易切削的硫化/磷化和含铅碳钢，硬度 < 180HB	1.53	AISI **12L13**, EN **11SMnPb30**, DIN **1.0718**, SS **1914**, ČSN **12110**, BS **210M16**, UNE **F.2114**, GB **Y15Pb**, AFNOR **S250Pb**, GOST **AS35G2**, UNI **CF10SPb20**
		P2	普通碳钢（主要由铁和碳组成的钢）	P2.1	普通低碳钢，含 < 0.25%C，硬度 < 180 HB	1.14	AISI **1015**, EN **C15**, DIN **1.0401**, SS **1350**, ČSN **11301** , BS **080A15**, UNE **F.111**, GB **15**, AFNOR **C18RR**, GOST **St2ps**, UNI **Fe360**
				P2.2	普通中碳钢，含 < 0.55%C，硬度 < 240 HB	1.00	AISI **1030**, EN **C30**, DIN **1.0528**, SS **1550**, ČSN **12031**, BS **080M32**, UNE **F.1130**, GB **30**, AFNOR **AF50C30**, GOST **30G**, UNI **Fe590**
				P2.3	普通高碳钢，含 > 0.55%C，硬度 < 300 HB	0.89	AISI **1060**, EN **C60**, DIN **1.0601**, SS **1655**, ČSN **12061**, BS **080A62**, UNE **F513**, GB **60**, AFNOR **1C60**, GOST **60G**, UNI **C60**
		P3	合金钢（碳钢，合金含量 ≤ 10%）	P3.1	合金钢，硬度 < 180 HB	0.92	AISI **5015**, EN **16Mo3**, DIN **1.5415**, SS **2912**, ČSN **15020**, BS **1501-240**, UNE **F.2601**, GB **16Mo**, AFNOR **15D3**, GOST **15M**, UNI **16Mo3KW**
				P3.2	合金钢，硬度180 – 260 HB	0.74	AISI **4140**, EN **42CrMo4**, DIN **1.7225**, SS **2244**, ČSN **15142**, BS **708M40**, UNE **F.8232**, GB **42CrMo**, AFNOR **42CD4**, GOST **40ChFA**, UNI **42CrMo4**
				P3.3	合金钢，硬度260 – 360 HB	0.63	AISI **4140**, EN **42CrMo4**, DIN **1.7225**, SS **2244**, ČSN **15142**, BS **708M40**, UNE **F.8232**, GB **42CrMo**, AFNOR **42CD4**, GOST **40ChFA**, UNI **42CrMo4**
		P4	工具钢（特种合金钢，用于刀具、模具）	P4.1	工具钢，硬度 < 26 HRC	0.55	AISI **D2**, EN **X155CrVMo12-1**, DIN **1.2370**, SS **2736**, ČSN **19573**, BS **BD2**, UNE **F.520A**, GB **Cr12Mo1V1**, AFNOR **Z160CDV12**, GOST **Ch12MF**, UNI **X155CrVMo121KU**
				P4.2	工具钢，硬度26 – 39 HRC	0.47	AISI **D2**, EN **X155CrVMo12-1**, DIN **1.2370**, SS **2736**, ČSN **19573**, BS **BD2**, UNE **F.520A**, GB **Cr12Mo1V1**, AFNOR **Z160CDV12**, GOST **Ch12MF**, UNI **X155CrVMo121KU**
				P4.3	工具钢，硬度39 – 45 HRC	0.38	AISI **D2**, EN **X155CrVMo12-1**, DIN **1.2370**, SS **2736**, ČSN **19573**, BS **BD2**, UNE **F.520A**, GB **Cr12Mo1V1**, AFNOR **Z160CDV12**, GOST **Ch12MF**, UNI **X155CrVMo121KU**

ISO组		子分组		WMG（加工材料组）		k_{vG}	材料示例（AISI、EN、DIN、ČSN、GB、SS、STN、BS、UNE、AFNOR、ASTM、GOST、UNS、UNI、...）
M	不锈钢（耐腐蚀钢，铬含量 ≥ 11 %）	M1	铁素体不锈钢（直铬非淬透性合金）	M1.1	铁素体不锈钢，硬度 < 160 HB	1.22	AISI **S429,** EN **X7Cr14,** DIN **1.4001,** SS **2326,** BS **434S17,** UNE **F.3401,** AFNOR **Z8C12,** GOST **08Ch13,** UNI **X6CrTi12**
				M1.2	铁素体不锈钢，硬度160 – 220 HB	1.03	AISI **446,** EN **X10CrAl24,** DIN **1.4762,** SS **2322,** ČSN **17113,** BS **430S17,** UNE **F.3154,** GB **10Cr17,** AFNOR **Z10CAS24,** GOST **12Ch17,** UNI **X16Cr26**
		M2	马氏体不锈钢（直铬非淬透性合金）	M2.1	马氏体不锈钢，硬度 < 200 HB	1.08	AISI **430F,** EN **X14CrMoS17,** DIN **1.4104,** SS **2383,** ČSN **17140,** BS **410S21,** UNE **F.3117,** AFNOR **Z10CF17,** UNI **X10CrS17**
				M2.2	马氏体不锈钢，硬度200 – 280 HB	0.89	AISI **440C,** EN **X105CrMo17,** DIN **1.4125,** SS **2385,** ČSN **17023,** BS **425C11,** UNE **F.3402,** GB **102Cr17Mo,** AFNOR **Z100CD17,** GOST **95Ch18,** UNI **GX6CrNi 13 04**
				M2.3	马氏体不锈钢，硬度280 – 380 HB	0.75	AISI **420,** EN **X45Cr13,** DIN **1.4034,** ČSN **17029,** BS **425C11,** UNE **F.3405,** AFNOR **Z44C14,** GOST **20X17H12,** UNI **X30Cr13**
		M3	奥氏体不锈钢（铬镍和铬镍锰合金）	M3.1	奥氏体不锈钢，硬度 < 200 HB	1.00	AISI **304,** EN **X5CrNi18-12,** DIN **1.4303,** SS **2352,** ČSN **17249,** BS **305S17,** UNE **F.3513,** GB **10Cr18Ni12,** AFNOR **Z8CN18.12,** UNI **X7CrNi18 10**
				M3.2	奥氏体不锈钢，硬度200 – 260 HB	0.86	AISI **309,** EN **X15CrNiSi20-12,** DIN **1.4828,** ČSN **17251,** BS **309S24,** UNE **F.3312,** GB **1Cr23Ni13,** AFNOR **Z15CNS20.12,** GOST **20Ch20N14S2,** UNI **16CrNi23 14**
				M3.3	奥氏体不锈钢，硬度260 – 300 HB	0.77	AISI **5848,** EN **X45CrNiW18-9,** DIN **1.4873,** BS **331S40,** UNE **F.3211,** AFNOR **Z35CNWS14-4,** UNI **X45CrNiW 18 9**
		M4	超级奥氏体，双相或沉淀硬化不锈钢（奥氏体合金，含 > 20 % Ni，奥氏体-铁素体微结构或沉淀硬化）	M4.1	奥氏体-铁素体或高级奥氏体不锈钢，硬度 < 300 HB	0.75	AISI **329,** EN **X1-NiCrMoCU25-20-5,** DIN **1.4539,** SS **2562,** ČSN **17265,** BS **318S13,** UNE **F.3552,** GB **022Cr25NiMo2N,** AFNOR **Z1NCDU25.20**
				M4.2	沉淀硬化奥氏体不锈钢，硬度 300 – 380 HB	0.64	AISI **631 (17-7PH),** EN **X7CrNiAL17-7,** DIN **1.4568,** SS **2388,** ČSN **17465 ,** BS **301S13,** UNE **F.3217,** GB **07Cr17Ni7Al,** AFNOR **29CNA17-07,** GOST **09Ch17N7Ju1,** UNI **X53CrMnNiN21 9**

ISO组		子分组		WMG（加工材料组）		k_{vg}	材料示例（AISI、EN、DIN、ČSN、GB、SS、STN、BS、UNE、AFNOR、ASTM、GOST、UNS、UNI、...）
K	铸铁（铁和碳合金的铸件，碳含量 > 2 %）	K1	灰口铸铁（GG）（带片状石墨微观结构的铁碳铸件）	K1.1	铁素体或铁素体-珠光体灰口铸铁，硬度 < 180 HB	1.35	ASTM **A48 Grade 20 (F11401)**, EN-**JL-100**, DIN **GG-10 (0.6010)**, SS **0110**, STN **422410**, BS **Grade 150**, UNE **FG10**, GB **HAT 100**, AFNOR **Ft10D**, GOST **SC 10**, UNI **G10**
				K1.2	铁素体-珠光体或珠光体灰口铸铁，硬度 < 180 – 240 HB	1.00	ASTM **A48 Grade 30 (F12101)**, EN-**JL-1030**, DIN **GG-20 (0.6020)**, SS **0120**, STN **422420**, BS **Grade 220**, UNE **FG20**, GB **HT200**, AFNOR **Ft20D**, GOST **СЧ20**, UNI **G20**
				K1.3	珠光体灰口铸铁，硬度240 – 280 HB	0.75	ASTM **A48 Grade 50 (F13501)**, EN-**JL-1060**, DIN **GG-35 (0.6035)**, SS **0135**, STN **422435**, BS **Grade 350**, UNE **FG35**, GB **HAT300**, AFNOR **Ft35D**, GOST **SC35**, UNI **G35**
		K2	可锻铸铁（GTS/GTW）（经过热处理的具有无石墨微结构的铁碳铸件）	K2.1	铁素体可锻铸铁，硬度 < 160 HB	1.39	ASTM **A602 Grade M3210 (F20000)**, EN-**JM-1130**, DIN **GTS-35 (0.8135)**, SS **0815**, BS **B340/12**, UNE **Type A**, AFNOR **MN 35-10**, GOST **КЧ35-10**
				K2.2	铁素体或珠光体可锻铸铁，硬度160 – 200 HB	1.13	ASTM **A602 Grade M4504 (F20001)**, EN-**JM-1040**, DIN **GTS-50-05 (0.8045)**, BS **P50-05**, AFNOR **MB 45-7**
				K2.3	珠光体可锻铸铁，硬度200 – 240 HB	0.90	ASTM **A602 Grade M7002 (F20004)**, EN-**JM-1140**, DIN **GTS-45 (0.8145)**, SS **0854**, STN **422540**, BS **P 45-06**, UNE **Typ B**, AFNOR **MP 50-5**, GOST **КЧ45-7**, UNI **GMN 45**
		K3	延性铸铁（GGG）（具有韧性石墨微结构的铁碳铸件）	K3.1	铁素体延性（韧性/球墨）铸铁，硬度 < 180 HB	1.23	ASTM **A536 Grade 60-40-18 (F32800)**, EN-**JS-1030**, DIN **GGG-40 (0.7040)**, SS **0717**, STN **422304**, BS **420/12**, UNE **FGE 42-12**, GB **QT 400**, AFNOR **FGS 400-12**, GOST **ВЧ40**
				K3.2	铁素体或珠光体延性（韧性/球墨）铸铁，硬度180 – 220 HB	0.94	ASTM **A536 Grade 80-55-06 (F33800)**, EN-**JS-1050**, DIN **GGG-50 (0.7050)**, SS **0727**, STN **422305**, BS **500/7**, UNE **FGE 50-7**, GB **QT 500-7**, AFNOR **FGS 500-7**, GOST **ВЧ50**
				K3.3	珠光体延性（韧性/球墨）铸铁，硬度220 – 260 HB	0.76	ASTM **A536 Grade 100-70-03 (F34800)**, EN-**JS-1060**, DIN **GGG-60 (0.7060)**, SS **0732**, STN **422306**, BS **600/3**, UNE **FG70-2**, GB **QT 600-3**, AFNOR **FGS 600-3**, GOST **ВЧ60**
		K4	奥氏体或等温淬火延性铸铁（Ni-Resist/ADI）（带奥氏体或奥铁体微结构的铁碳合金铸件）	K4.1	奥氏体铸铁，硬度 < 180 HB	1.14	ASTM **A436 Type 1 (L-NiCuCr 15 6 2, F41000)**, EN-**JL-3011**, DIN **GGL-NiMn 13 7 (0.6652)**, SS **0523**, BS **Grade F1**, AFNOR **FGL-Ni13Mn7**, GOST **S-NiMn 13 7**
				K4.2	奥氏体铸铁，硬度180 – 240 HB	0.86	ASTM **A439 Type D-2B (S-NiCr 20 3, F43001)**, EN-**JS-3021**, DIN **GGG-NiMn 23 4**, SS **0776**, BS **Grade S2M**, AFNOR **FGS Ni23 Mn4**, GOST **ЧН19Х3Ш**
				K4.3	等温淬火延性铸铁，硬度240 – 280 HB	0.63	ASTM **A897 Grade 110-70-11**
				K4.4	等温淬火延性铸铁，硬度280 – 320 HB	0.54	ASTM **A897 Grade 125-80-10**, EN-**JS-1100**, DIN **GGG-90 (5.3400)**
				K4.5	等温淬火延性铸铁，硬度320 – 360 HB	0.45	ASTM **A897 Grade 2 (150-110-07)**, EN-**JS-1110**, DIN **GGG-100 (5.3403)**
		K5	蠕墨铸铁（CGI）（具有蠕墨结构的铁碳铸件）	K5.1	蠕墨铸铁，硬度 < 180 HB	1.29	ASTM **A842 Grade 300**, EN-**GJV-300**, DIN **GGV 30**, GOST **ЧВГ30**,
				K5.2	蠕墨铸铁，硬度180 – 220 HB	0.97	ASTM **A842 Grade 350**, EN-**GJV-350**, DIN **GGV 35 (5.2200)**, GOST **ЧВГ30**,
				K5.3	蠕墨铸铁，硬度220 – 260 HB	0.75	ASTM **A842 Grade 450**, EN-**GJV-450**, DIN **GGV 45**, GOST **ЧВГ45**,

ISO组		子分组		WMG（加工材料组）		k_{vG}	材料示例（AISI、EN、DIN、ČSN、GB、SS、STN、BS、UNE、AFNOR、ASTM、GOST、UNS、UNI、...）
N	有色金属（包括含铁量不高的合金的金属）	N1	锻铝	N1.1	纯铝和铝塑合金，硬度 < 60 HB	1.33	UNS **A91200**, EN **AL99.6**, DIN **3.0205**, SS **4010**, STN **424009**, BS **1C**, UNE **L-3001**, GB **L5**, AFNOR **A4**, GOST **АДС**, UNI **3567**
				N1.2	铝塑合金，硬度60 – 100 HB	1.00	UNS **A93004**, EN **AlMn0.5Mg0.5**, DIN **3.0505**, SS **4054**, STN **424432**, BS **N31**, UNE **L-3831**, GB **LF2**, AFNOR **A-M1**, GOST **АМц**, UNI **3568**
				N1.3	铝塑合金，硬度100 – 150 HB	0.67	UNS **A95083**, EN **AlMg4.5Mn0.7**, DIN **3.3547**, SS **4140**, STN **424415**, BS **N8**, UNE **L-3321**, GB **AlMg4.5Mn**, AFNOR **A-G4.5Mn**, GOST **Amg 4.5**, UNI **P-AlMg4.4**
		N2	铸铝	N2.1	铸铝合金，硬度 < 75 HB	0.67	UNS **A02080**, EN **AlCu4S**, BS **LM11**, STN **424331**, UNE **Al Si1Cu**, GOST **AMg5K**, UNI **G-AlSi7Mg**
				N2.2	铸铝合金，硬度75 – 90 HB	0.60	UNS **A02420**, EN **AlCu4Ni2Mg2**, SS **AlSi7MgFe**, BS **LM6**, STN **424519**, UNE **Al-7SiMg**, AFNOR **A-S7G**, GOST **АК7**, UNI **G-AlSi7Mg**
				N2.3	铸铝合金，硬度90 < 140 HB	0.43	UNS **A03360**, EN **G-ALCu4NiMg2**, SS **ALSi10Mg**, STN **424336**, BS **LM 30**, AFNOR **A-S10G**, UNI **G-AlSi9Mg**
		N3	铜或铜合金	N3.1	易切削铜合金材料，机械加工性能出色	0.70	UNS **C14700**, EN **CuPb1P**, DIN **2.1498**, STN **423214**, BS **C111**, AFNOR **CuZn35Pb2**, GOST **L63-3**, UNI **CuS(P0.01)**
				N3.2	短切屑铜合金，机械加工性能良好至中等	0.41	UNS **C81540**, EN **CuNi2SiCr**, DIN **2.0857**, STN **423220**, BS **NS113**, UNE **CuSn12**, AFNOR **CuZn40**, GOST **Л60**, UNI **P-CuZn-40**
				N3.3	电解铜和长切屑铜合金，机械加工性能中等至较差	0.21	UNS **C10100**, EN **CuAg0.1**, DIN **2.1203**, SS **5010**, UNE **CUSi3Mn1**, AFNOR **Cu-C2**, GOST **М1f**, UNI **Cu-OF**
		N4	聚合物（合成或半合成材料）	N4.1	热塑性聚合物	0.70	ABS, Acryl, Duraplast, Elastomer, EP, Epoxid, FEP, Fluor, Gummi, Kautschuk, Latex, MF, MPF, PA, PAI, PC, PE, PEEK, PEI, PES, PET, PF, Phenolharze, PI, PMMA, Polyamide, Polyester, Polyolefine, Polysulfon, POM, PP, PPE, PPS, PS, PSU, PTFE, PU, PUR, PVDF, SAN, SI, Styrol, UF, Ureol
				N4.2	热固性聚合物	0.27	Aramid, Epoxy, Fluoropolymer, Mehacrylate, Melamine, Phenolic, Polyester, Polyimide, Polymethacrylimide, Polyurethane
				N4.3	增强型聚合物或复合材料	0.29	CFK, GFK, GMT, Honeycomb, Kevlar, LFT, Organo, SMC
		N5	石墨	N5.1		1.0	CGM-1, CM-00, GM-10, GM-11, GR030, GR030PI, GR060, GR060PI, GR125, MC-01, MC-01RO, MC-03, MC-03M, IG11, IG-15, IG-32, IG-43, IG-45, IG-70, ISEM-1, ISEM-2, ISEM-3, R8340, R8500X, Technograph 15, Technograph 30, ISO-63, EDM C-3, EDM1, EDM3, ISO-90, ISO-93, ISO-95, R8510, R8650,

ISO组		子分组		WMG（加工材料组）		k_{vg}	材料示例（AISI、EN、DIN、ČSN、GB、SS、STN、BS、UNE、AFNOR、ASTM、GOST、UNS、UNI、...）
S	高温合金（高温强度和耐腐蚀性能超过不锈钢的高温合金）	S1	钛或钛合金	S1.1	钛或钛合金，硬度 < 200 HB	1.94	UNS **R50250 (Grade 1)**, EN **Ti 99.6**, DIN **3.7035**, BS **TA.2**, UNE **Ti-Po2**, AFNOR **T-40**, GOST **BT1-00**, AISI **R50250, 3.7025, T35, 2TA1, R50400, 3.7035, 2TA2,**
				S1.2	钛合金，硬度200 – 280 HB	1.72	UNS **R56404 (Grade 29)**, EN **Ti2Cu**, DIN **3.7124**, BS **TA.21**, UNE **Ti-P11**, AFNOR **T-U2** , AISI **TA6V, Ti-6Al-4V, Ti 10.2.3, Ti5553**
				S1.3	钛合金，硬度280 – 360 HB	1.44	UNS **R54250 (Grade 38)**, EN **TiAl6V4**, DIN **3.7165**, ČSN **TiAl6VELI**, BS **TA. 13**, UNE **Ti-P63**, AFNOR **T-A6V**, GOST **BT6**, AISI **TA6V, Ti-6Al-4V, Ti 10.2.3, Ti5553**
		S2	铁基高温合金	S2.1	高温铁基合金，硬度 < 200 HB	1.33	UNS **N08801 (Incoloy 801)**, EN **X8 NiCrAlTi31-21**, DIN **1.4959**, BS **NA 15**, AFNOR **Z8NC33-21**, AISI **A-286, Discaloy, Haynes 556, Iconel 909, Greek Ascolloy**
				S2.2	高温铁基合金，硬度200 – 280 HB	1.17	UNS **N19907**, EN **X6NiCrTiMoVB25-15-2**, DIN **1.4980**, SS **2570**, BS **HR52**, AFNOR **Z6NCTDV25.15B**, GOST **36HXTЮ**, AISI **A-286, Discaloy, Haynes 556, Iconel 909, Greek Ascolloy**
		S3	镍基高温合金	S3.1	高温镍基合金，硬度 < 280 HB	1.00	UNS **A09706 (Inconel 706)**, EN **NiCr25FeAl**, DIN **2.4856**, BS **HR 6**, ČSN **Inconel 625**, UNE **F.3313**, GB **1Cr16Ni35**, AFNOR **NC22FeDNB**, GOST **XH38BT**, AISI **Inconel 718, 706 Waspalloy, Udimet 720, Inconel 625**
				S3.2	高温镍基合金，硬度280 – 360 HB	0.83	UNS **N07001**, EN **NiCr20Co13Mo4Ti3Al**, DIN **2.4654**, BS **HR 2**, ČSN **Waspaloy**, AFNOR **NCKD 20ATV**, GOST **XH80TБЮ**, AISI **Inconel 718, 706 Waspalloy, Udimet 720, Inconel 625**
		S4	钴基高温合金	S4.1	高温钴基合金，硬度 < 240 HB	0.78	UNS **R30016 (Stellite 6b)**, EN **CoCr20W15Ni**, DIN **2.4964**, AFNOR **KC 20 WN**, GOST **ЛК52**, AISI **Haynes 25, Stellite 21, 31**
				S4.2	高温钴基合金，硬度240 – 320 HB	0.67	UNS **R30016 (Stellite 6b)**, EN **CoCr20W15Ni**, DIN **2.4964**, AFNOR **KC 20 WN**, GOST **ЛК52**, AISI **Haynes 25, Stellite 21, 31**

ISO组		子分组		WMG（加工材料组）		k_{vG}	材料示例（AISI、EN、DIN、ČSN、GB、SS、STN、BS、UNE、AFNOR、ASTM、GOST、UNS、UNI、...）
H	硬化材料（硬度 > 45 HRC的任何工程金属）	**H1**	冷硬铸铁	**H1.1**	冷硬铸铁，硬度 < 440 HB	**1.52**	UNS **F45001,** EN-**GJS-1050-6,** DIN **5.3406,** SS **0512,** BS **Grade 2A**
		H2	硬化铸铁	**H2.1**	硬化铸铁，硬度 < 55 HRC	**0.90**	UNS **F45003,** EN-**GJS-1400-1,** DIN **5.3405,** SS **0457,** BS **Grade 3D**
				H2.2	硬化铸铁，硬度 > 55 HRC	**0.77**	UNS **F45003,** EN **G-X260NiCr4-2,** DIN **0.9620,** SS **0466,** BS **Grade S**
		H3	硬化钢 < 55 HRC	**H3.1**	硬化钢，硬度 < 51 HRC	**1.00**	AISI **4135,** EN **34CrMo4,** DIN **1.7220,** SS **2234,** STN **415131,** BS **198,** UNE **F.1250,** GB **35CrMo,** AFNOR **35CD4,** GOST **АС38ХГМ,** UNI **35CrMo4KB**
				H3.2	硬化钢，硬度51 – 55 HRC	**0.82**	AISI **4135,** EN **34CrMo4,** DIN **1.7220,** SS **2234,** STN **415131,** BS **198,** UNE **F.1250,** GB **35CrMo,** AFNOR **35CD4,** GOST **АС38ХГМ,** UNI **35CrMo4KB**
		H4	淬硬钢 > 55 HRC	**H4.1**	硬化钢，硬度55 – 59 HRC	**0.64**	UNS **T31501,** EN **100MnCrW4,** DIN **1.2510,** SS **2140,** STN **419413,** BS **BO1,** UNE **F.5220,** GB **9CrWMn,** AFNOR **90MWCrV5,** GOST **9ХВГ,** UNI **95MNWCr5KU**
				H4.2	硬化钢，硬度 > 59 HRC	**0.54**	UNS **T31501,** EN **100MnCrW4,** DIN **1.2510,** SS **2140,** STN **419413,** BS **BO1,** UNE **F.5220,** GB **9CrWMn,** AFNOR **90MWCrV5,** GOST **9ХВГ,** UNI **95MNWCr5KU**

修正系数

用于特定类型铣刀及加工方式的修正系数C_{VcO}

X.V	●	◆	✖
KAPR 45° – 60°面铣刀和负前角刀片 （SHN06C、SHN09C, CHN09, … ）	1.15	1.00	0.85
KAPR 45°面铣刀和正前角刀片 （SOE06Z, SOE09Z, SOD05, ... ）	1.15	1.00	0.85
KAPR 90°方肩铣刀 （SAD07D, SAD11E, SAD16E, SLN12, SLN16.. ）	1.10	1.00	0.90
仿形面铣刀 （SRC10 – SRC20, SRD05 – SRD16, … ）	1.10	1.00	0.90
仿形立铣刀 （K2-PPH, K2-SLC, K2-SRC, K3-CXP… ）	1.10	1.00	0.90
盘式铣刀 （S90CN（XN）, S90SN... ）	1.10	1.00	0.90
带扩展槽的方肩铣刀 J（T）-CSD12X, J（T）-SAD11E, J（T）-SAD16E... ）	1.25	1.00	0.80
重型加工面铣刀 （FSB22X, SPN13.. ）	1.30	1.00	0.85
重型加工方肩铣刀 （FTB27X.. ）	1.25	1.00	0.85

满足耐久性C_{VcT}要求所需的修正系数

分钟	15	20	30	45	60	90	120
通用加工 （超精加工至粗加工）	1.23	1.13	1.00	0.89	0.81	0.72	–
重型加工 （重型粗加工）	–	–	1.23	1.13	1.00	0.89	0.81

附加修正系数C_{VcA}

加工环境	C_{VcA}
加工材料的状况（因锻造或铸造形成硬皮）	0.70
不稳定的加工工况	0.85
常用加工工况	1.00
稳定加工工况	1.20

径向切深C_{VcRCT}低于100%的前面铣削及方肩铣削的线速度修正系数

a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	**1.48**	**1.35**	**1.27**	**1.22**	**1.19**	**1.16**	1.11	1.08	1.05	1.03	**1.00**	**1.00**	**1.00**	**1.00**

径向切深Cf_{zRCT}低于100%的前面铣削及方肩铣削的薄切屑补偿修正系数

a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
⇨x.f	**2.20**	**1.60**	**1.35**	**1.20**	**1.10**	0.95	0.85	0.75	0.85	0.95	**1.00**	**1.00**	**1.00**	**1.00**
⇨x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	**0.68**	**0.71**	**0.72**	**0.74**	**0.79**	**1.00**

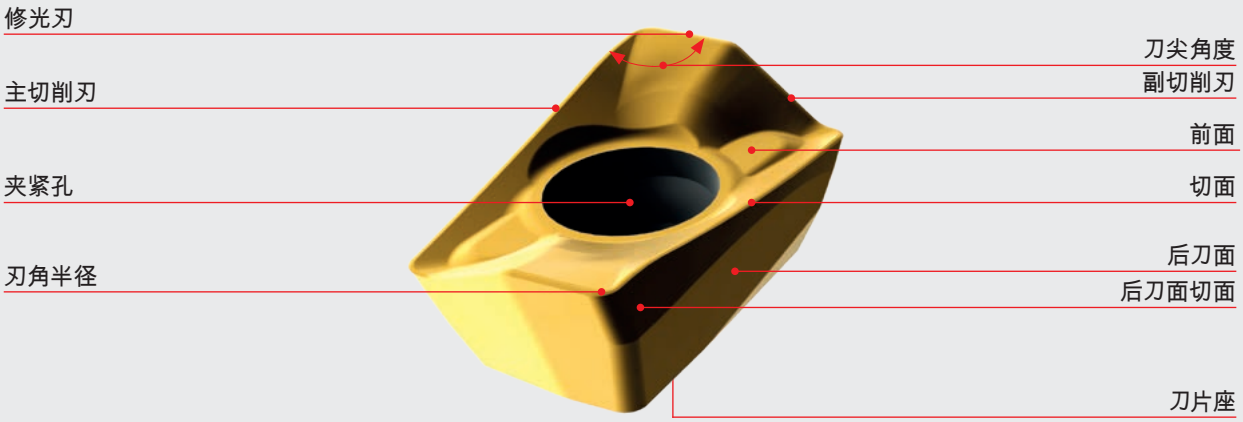
修正后的线速度vcc

$vcc = v_c \times kvG \times C_{VcO} \times CvcT \times C_{VcA} \times C_{VcRCT} \times Cf_{zRCT}$

k_{vG} – 所用材料的系数

v_c – 目录页中的初始速度

可转位刀片的各个部分



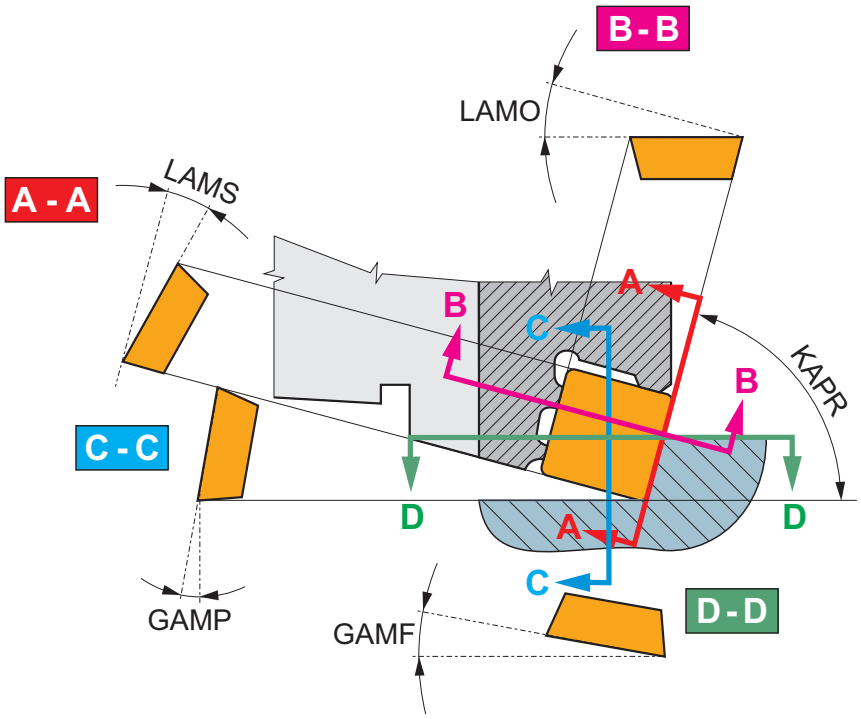
铣削刀具的槽形

结构角决定着用于夹固刀片的刀片座基本方位，因此对于铣刀刀体的设计很重要。具体的结构角如下：轴向前面角*GAMP* – γ_p（后前角）和径向前面角*GAMF* – γ_f（侧前角）– 见下图。
工作角度包括主偏角*KAPR* – κ_r、正交前面角*GAMO* γ_o和切削刃前角*LAMS* – λ_s。

- 正交前面角*GAMO* – γ_o不仅影响切屑的塑性变形程度，还影响切削力和温度。前角*GAMO* – γ_o越大，切削力越低，主轴电机的功率需求越小（反之亦然）。
- 主偏角*KAPR* – κ_r决定着特定每齿进给量f_z和轴向切削深度a_p下的切屑厚度，因此影响着切削力、单位负荷、磨损和刀具寿命。在进给f_z不变的情况下，主偏角*KAPR* – κ_r越小，切屑厚度h也越小。
- 切削刃前角*LAMS* – λ_s以及主偏角*KAPR* – κ_r和前面角*GAMO* – γ_o决定着切刃与工件的第一个接触点，因此能够在断续切削中帮助切削刃抵抗崩口风险。同时，它影响着排屑的方向。

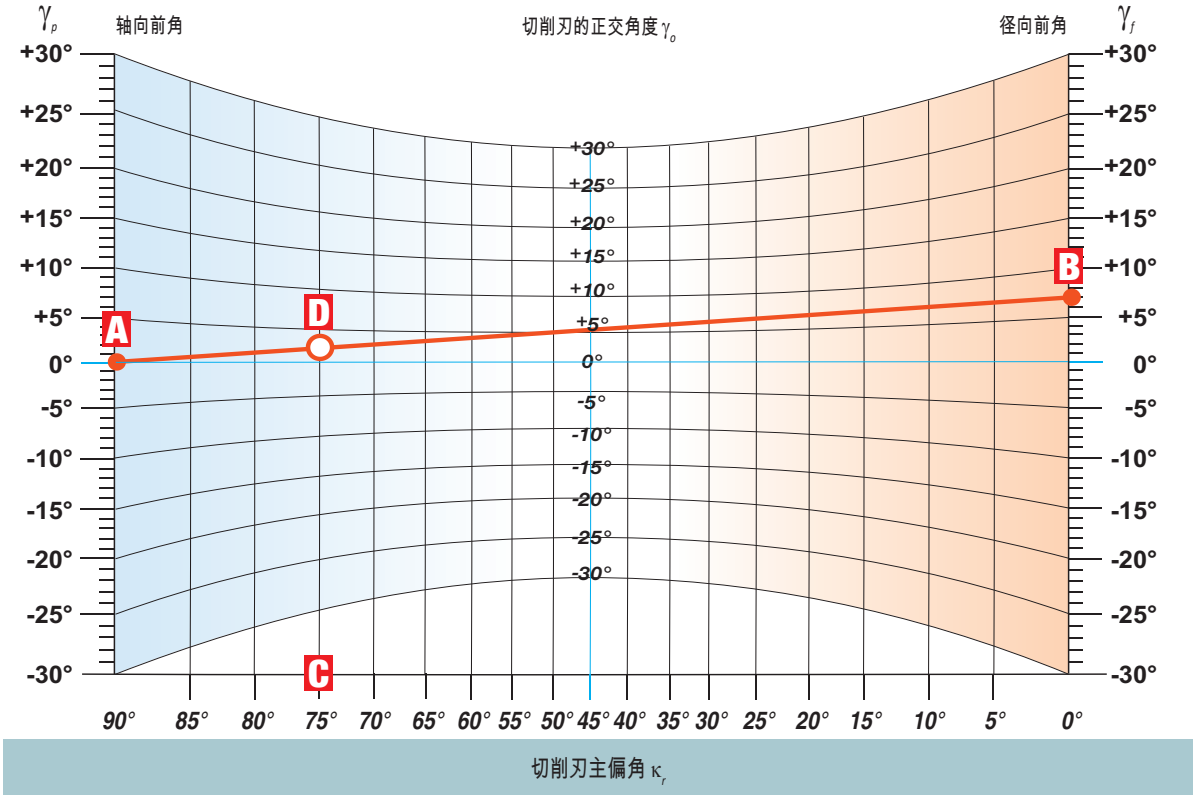
刀具的工作角度 可以用以下公式或图表来确定底座。

铣刀的工作角度和结构角度

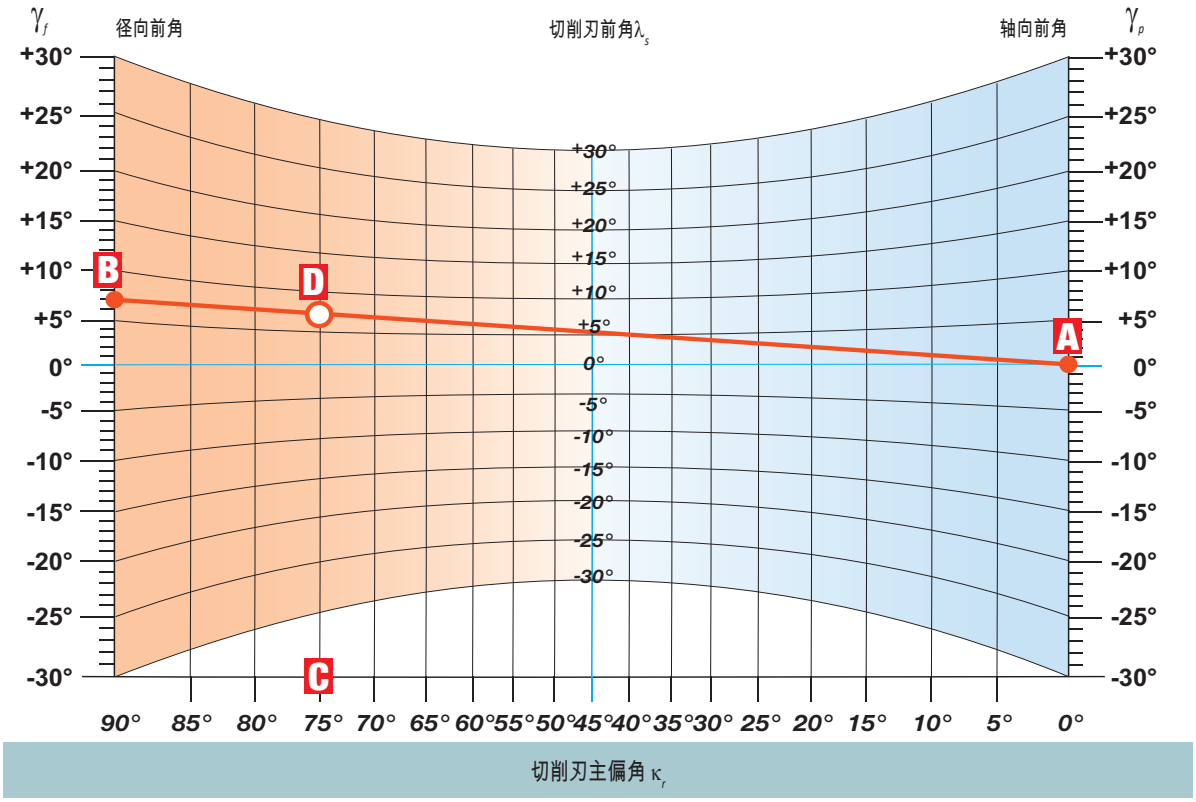


计算铣刀加工槽形的诺谟图

$$\tan \gamma_o = \tan \gamma_p \times \sin \kappa_r + \tan \gamma_f \times \cos \kappa_r$$

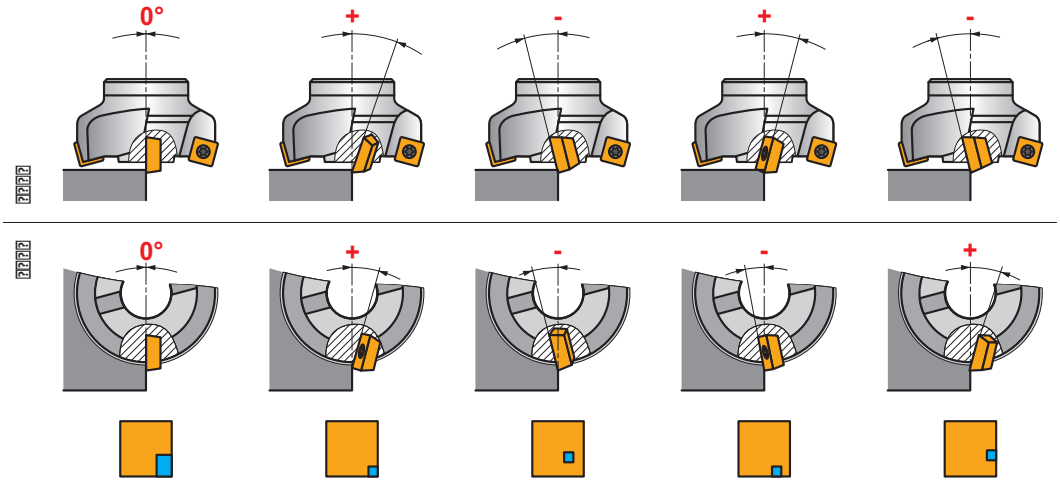


$$\tan \lambda_s = \tan \gamma_f \times \sin \kappa_r - \tan \gamma_p \times \cos \kappa_r$$



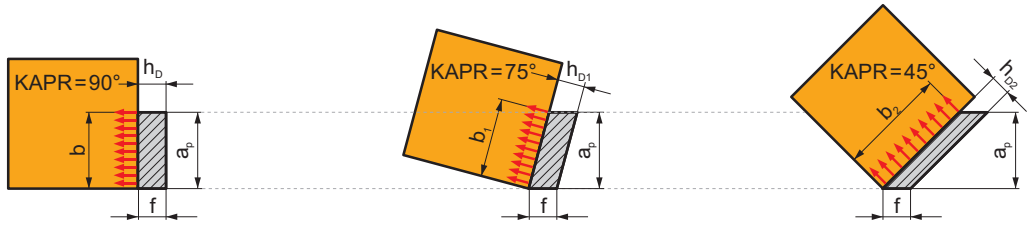
切削刃离开切口时，会因切削刃表层温度快速降低产生热应力，并因切削力快速减小，特别是工件表层出现弹性变形而产生机械应力。
因此，在任何计算中都要使用切屑厚度平均值 h_m。
每转一圈的切屑厚度h变化取决于用公式$h\varphi = f_z \times sin\varphi$计算得出的角度$\varphi$。
在铣刀轴线上达到最大切屑厚度f_z。每转一圈的每齿平均切屑厚度h_m为正弦曲线下面积相同区域的矩形高度，与径向切削深度a_e相关。平均切屑厚度h_m取决于铣刀类型和切削工况，尤其是与a_e/DC、每齿进给量f_z和主偏角$KAPR - \kappa_r$相关。参见下页的示例图片。

铣刀槽形



选择刀具时需要考虑许多标准。其中一项标准是切削刃和工件之间，远离刀尖和切削刃的第一个接触点。该接触点取决于切削刃的基本槽形，即角度*GAMO* – γ_o、*LAMS* – λ_s、*KAPR* – κ_r，以及铣刀与工件入刀边缘的相对位置。下图显示了在某些最不利接触条件下（即铣刀轴与工件边缘对齐时）的各个铣刀槽形（确切地说，是径向角和轴向角的组合）。图片底部是可转位刀片示意图，标明了刀片与工件第一次接触的区域。从图中可以看出，在这种不利的接触条件下，刀具为负-负槽形最佳，而正-正槽形出现问题的可能性最大。另一项需要考虑的标准是排屑。负-负槽形刀具将切屑推送到工作表面（推向工件），而正-正槽形刀具与此相反，将切屑推离工作表面，即离开工件。因此，负-正角度组合是最佳的折衷方案。

切入角



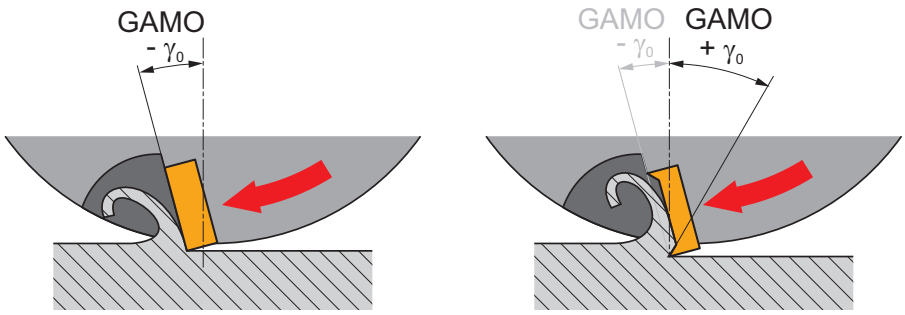
KAPR=90°	KAPR=75°	KAPR=45°
$h_D = f$ $k_c = 1{,}00\ k_{c1}$ $k_c/b = 1{,}00$	$h_{D1} = 0{,}97f$ $k_c = 1{,}01\ k_{c1}$ $k_c/b_1 = 0{,}98$	$h_{D2} = 0{,}71f$ $k_c = 1{,}09\ k_{c1}$ $k_c/b_2 = 0{,}77$

选择平面铣的切入角时，还需要考虑机床的功率和刚度（刀架的尺寸和类型）、机床动态能力以及最大切除深度。例如，使用带ISO 50刀架的高性能（50–100 kW）机床进行大深度切削时，应首选切入角介于90°–58°之间的铣刀。而如果使用带ISO 40（HSK 63）刀架的低功率（最高功率10 kW）机床以2–3 mm深度进行切削，则应选择切入角介于45°–10°（即HFC）之间的刀具或圆刃刀片。因此，最理想的折中方案是选择切入角为45°、能够采用更大切削深度的刀具，并且，与切入角为90°的刀具相比，在相同切削深度下，这种刀具的进给增加了多达30%，且负荷基本相同。最后，还要强调非常重要的一点，切入角越小，切屑越薄，并且切削刃的接触部分越长，这对于散热以及刀片边缘的受力分配都至关重要。同样需要指出的是，切削合力方向几乎与切刃垂直。（减小切入角会增加导入主轴的切削力被动部分，减少切削力的主动径向部分）。

下图所示为Pramet铣刀产品组合的切入角和铣刀刀体基本槽形 (即前面的轴向角度和径向角度) 。但是必须指出 , 刀片槽形可能改变刀具的最终槽形 , 如下图所示。

	负 – 负	← 负 – 正 →	正 – 正
93°	SWN04C SCN05C		
90°	STN10 STN16 SLN12 SLN16 J(T)-SLSN	SAD07D SAD11E SAD16E SAP10D SAP16D FTB27X SSD12 SS009 SS0050 J(T)-SAD11E S90SN S90CN(XN) F-SCC J(T)-SAD16E J(T)-CSD12X J(T)-SSAP	SAP10D J(T)-2416 SVC22C
60°	CNH09	FSB22X	
57°	SPN13		
45°	SHN06C SHN09C SSD09 N-SSO09 2516	SOD05 SOD06D SSE09 SSN12Z	
43°			SOE06Z SOE09Z
20°	SBN10		
19°		SPD09	
18°	SSN11		
I	SRC10 SRC12 SRC16 SRC20 SRD10 SRD12 L2-SZP K3-CXP K2-PPH K2-SLC K2-SRC	SRD05 SRD07 SRD10 SRD12 SRD16 SZD07 SZD09 SZD12 2636 J(T)-SXP16	

最终槽形 (铣刀 + 可转位刀片)



下表列出了根据加工材料类型所使用的三种基本铣刀槽形和大致的使用优先级。有关各个刀具产品系列及相应刀片槽形的更多详细信息 , 请参见产品目录部分。

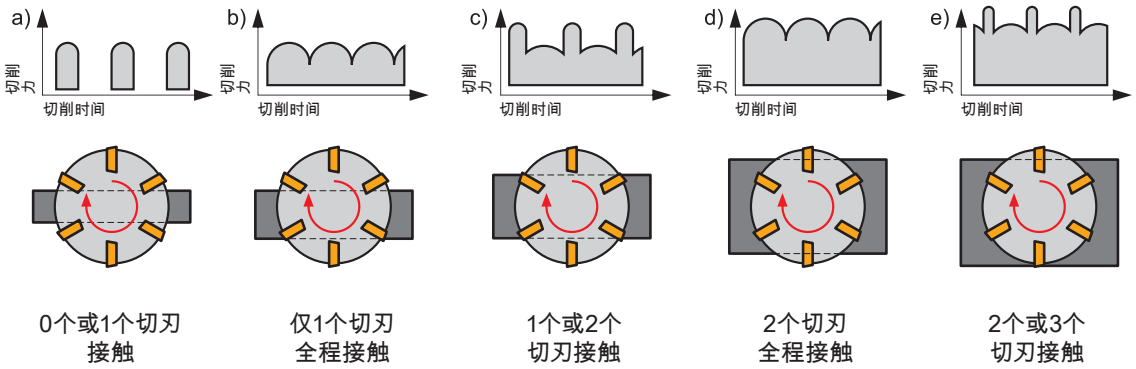
工况		根据应用选择铣刀槽形		
		负 – 负	负 – 正	正 – 正
刀体的结构参数	*GAMP* (A.R.)	-	+	+
	GAMF (R.R.)	-	-	+
	GAMO	-	+	+
加工材料	碳钢、合金钢 (< 300 HB)	◪	■	■
	不锈钢 (< 300 HB)		■	◪
	不锈钢 (> 300 HB)		■	◪
	铸铁、延性铸铁	■	◪	◪
	Al合金		◪	■
	铜和铜合金		◪	■
	钛和钛合金		◪	◪
	淬硬钢 (40 – 55 HRC)	◪	◪	

铣刀齿数

铣刀齿数对于铣削表面的宽度也很重要 , 决定着切削力 (和声学) 特性 , 如下图所示。

每分钟进给量	+	++	+++
韧性材料	+++	++	+
所需功率	+	++	+++
加工表面粗糙度	+++	++	+

齿距



0个或1个切刃
接触

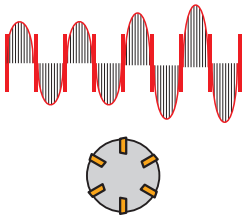
仅1个切刃
全程接触

1个或2个
切刃接触

2个切刃
全程接触

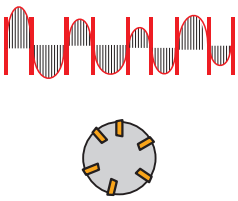
2个或3个
切刃接触

此外，部分刀具产品系列可以选择均匀齿距和不均匀齿距。使用齿距不均匀的刀具产品系列干扰谐振，有助于改善稳定性并降低振动风险。如果预计加工过程中会产生振动，即，主要在较长悬伸下工作或以较大径向切削深度加工时，以及在不完全稳定的工况下加工时，应选择不均匀的齿距。



—
各个齿切入

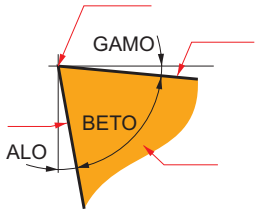
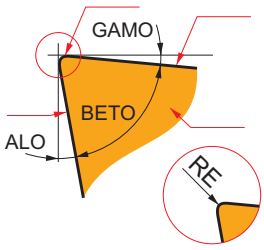
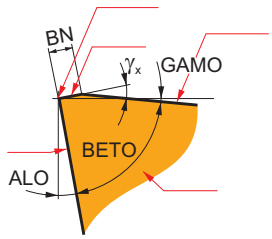
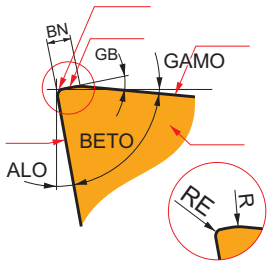
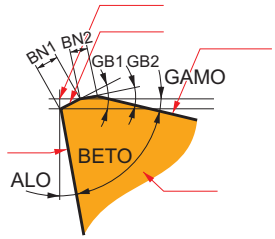
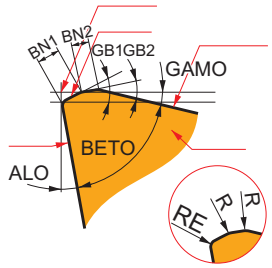
振幅



刀片的选择

选择可转位刀片时，还要注意目录中直接用图标表示的刀片刃口槽型。下面简要介绍了刀片上常见的切削刃类型。

切削刃处理类型概览

F		尖刃 – 建议用于与AI合金铣刀搭配的刀片。尖切削刃产生的切削层变形最小，能够减少积屑瘤，并且所需的切削力更低。但是，切削刃的强度也比其它类型的刀具要低。
E		圆刃 – 刀刃经过轻微倒圆处理，旨在消除其表面上的微小缺陷。以非常小的半径（RE）对切刃进行修正，能够改善切削刃的抗机械损伤性能，防止脆性断裂或微小破碎。目前，所有无切面的可转位刀片均经过这种改进（以前是F修正），可用于铣削几乎所有类型的材料。
T		带切面的切削刃 – 宽度为x、角度为g_x的切面加大了靠近切削刃的刃口槽型角度γ_n，并且提高了切削刃强度，即抵抗机械载荷、脆性损伤或断裂的性能。由于其已被S修正取代，目前仅在极少数情况下使用。
S		带切面的圆刃 – 与T修正相比，这种切削刃经过倒圆处理，并利用一个切面增加了刀刃厚度。这种修正能够让刀片更好地抵抗机械损伤。
K		双切面刀刃 – 宽度为x_1 x_2，角度为γ_{x1} γ_{x2}的双切面进一步提高了刀刃强度，即抵抗机械应力、脆性损伤或断裂的性能。极少用于铣削刀片，仅用于难度特别高的切削加工。
P		带双切面的圆刃 – 与K修正相比，这种切削刃经过倒圆处理，并利用双切面增加了刀刃厚度。这种修正能够令刀刃获得最大的抗机械损伤能力。

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铣削刀片的槽型

下面的表格应该可以让你根据被加工材料的组别、切削的性质、考虑的切削深度范围和进给量更精确地选择刀片的槽型。也可以使用主切削刃进行切削 (记住 , 在评估最终槽型时 , 你还必须考虑刀具的槽型)。

铣削刀片槽形	🕮
A	
ADEX 07-FA	709
ADEX 07-HF	709
ADEX 11-FA	709
ADEX 11-HF	709
ADEX 11-HF2	710
ADEX 16-FA	710
ADEX 16-FM	710
ADEX 16-HF	710
ADEX 16-HF2	711
ADKT 15-M	711
ADKX 15-F	711
ADKX 15-F (RAD)	711
ADMX 07-F	712
ADMX 07-M	712
ADMX 11-F	712
ADMX 11-M	712
ADMX 11-MF	713
ADMX 11-MM	713
ADMX 11-R	713
ADMX 16-F	713
ADMX 16-M	714
ADMX 16-MF	714
ADMX 16-MM	714
ADMX 16-R	714
ANHX 10-F	715
APET 15EN	715
APET 15SN	715
APET 16-FA	715
APEW 15ER	716
APEW 15SR	716
APKT 10-FA	716
APKT 10-M	716
APKT 16-GM	717
APKT 16-HM	717
APMT 16 ER-R	717
APMT 16 SR-R	717
APMT 16-F	718
APMT 16-FM	718
B	
BNGX 10-HM	718
BNGX 10-M	718
BNGX 10-MM	719
C	
CCMX -TS1	719
CNHQ 10	719
CNHX 05-WM	719
CNM 563	720
H	
HNEF 09-F	720
HNEF 09-M	720
HNEF 09-W	720
HNGX 06-F	721
HNGX 06-M	721
HNGX 06-R	721
HNGX 09-F	721
HNGX 09-FF	722
HNGX 09-M	722
HNGX 09-R	722
HNMF 09-R	722
L	
LC 12-CH	723
LC 12-RE	723
LC -KP	723
LC -KPF	723
LNET 16-M	724
LNET 16-R	724
LNG(U)X 12-M	724
LNGU 16-FA	724
LNGU 16-M	725
LNGX 12-F	725
LNGX 12-FA	725
LNGX 12-MF	725
LNGX 12-MM	726
LNGX 12-R	726
LNMU 16-F	726
LNMU 16-M	726
LNMU 16-R	727
O	
ODEW 06	727
ODKT 05-F	727
ODK(M)T 05-FM	727
ODMT 05-R	728
ODMT 06	728
ODMX 06	728
OEHT 06-FA	728
OEHT 06-M	729
OEHT 06-MF	729
OEHT 06-MM	729
OEHT 09-M	729
OEHT 09-MM	730
OFKR 07-M	730
P	
PDKT 09-FM	730
PDKX 09-FM	730
PDMW 09	731
PDMX 09-M	731
PDMX 09-R	731
PNMQ 13	731
PNMU 13-M	732
PPH -CL1	732
PPH -CL4	732
PPHE -SM1	732
PPHF -CE1	733
PPHT-A2	733
R	
RC	733
RC -F	733
RCMT 12EN-R	734
RCMT-F	734
RCMT-M	734
RCMT-R	734
RCMT SN-R	735
RDET	735
RDEW	735
RDEX 12	735
RDEX 16	736
RDGT 07	736
RDGT 10	736
RDGT 12	736
RDGT 12-F	737
RDGT 12-FM	737
RDHT -FA	737
RDHX 05	737
RDHX MOT	738
RDMT	738
RDMT 12	738
RDMT -R	738
RDMX	739
REHT -M	739
REHT -MM	739
RPET 12	739
RPET 15-M	740
RPEW 12	740
RPEW 15	740
RPEX -12	740
S	
SBKX 22	741
SBMR 22	741
SBMR 22-R	741
SDEW 09EN	741
SDEW 09SN	742
SDEX 09-74	742
SDGX 12-FM	742
SDK(M)T 12-FM (IM)	742
SDKT 12-F (IM)	743
SDMT 12-F	743
SDMT 12-F (IM)	743
SDMT 12-M	743
SDMT 12-R	744
SDMT 12-R (IM)	744
SDMX 12-M	744
SEEN 12FN	744
SEEN SN	745
SEER EN	745
SEER SN	745
SEET 09	745
SEET 12EN	746
SEET 12SN	746
SEET 12-FA	746
SEET 12-PM	746
SEEW 12 EN	747
SEEW 12 SN	747
SEMT 09	747
SFCN 12	747
SNET 13-M	748
SNGX 11-M	748
SNGX 11-MM	748
SNGX 13-M	748
SNGX 13-R	749
SNHF -M	749
SNHN	749
SNHQ 11	749
SNHQ 12TN	750
SNHQ 12EN	750
SNHQ 12TRL	750
SNK(M)T 12-M	750
SNKX	751
SNMT 12-R	751
SNUN	751
SOMT 05-M	751
SOMT 09-M	752
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SPET 12EN	752
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SPEW 12EN	753
SPEW 12SN	753
SPGN	753
SPGN DZ	754
SPKN EDSR(L)	754
SPKN EDER(L)	754
SPKR	754
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SPUN	755
SPUN 25	755
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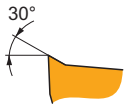
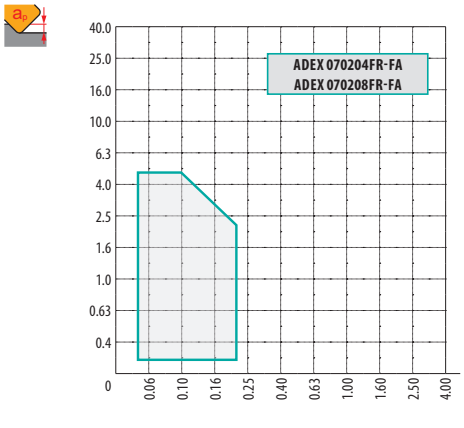
ZDCW 09	762
ZDEW 12	762
ZP ER-F	763
ZP ER-FM	763
ZP ER-M	763
ZP ER-R	763

ADEX 07-FA





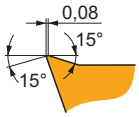
P	M	K	N	S	H
			■		

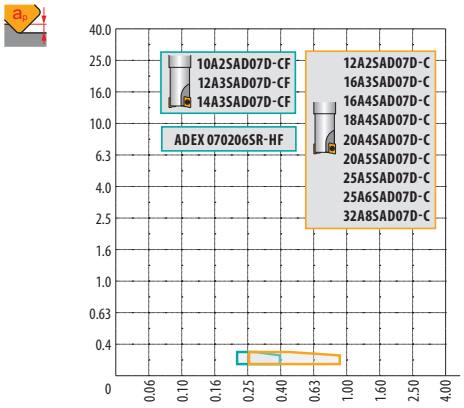
f 0.03 – 0.20

a_p 0.1 – 5.0

ADEX 0702..FR-FA

ADEX 07-HF





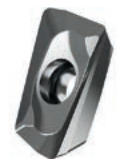
P	M	K	N	S	H
■	◪				

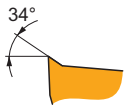
f 0.20 – 0.90

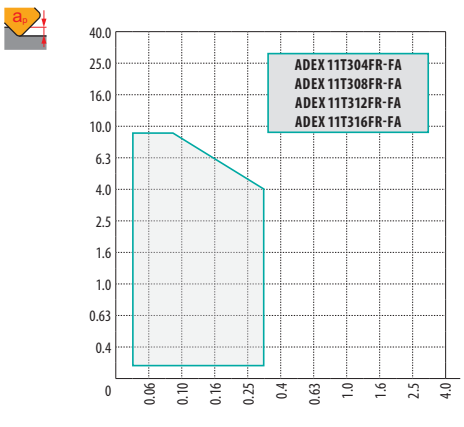
a_p 0.1 – 0.3

ADEX 070206SR-HF

ADEX 11-FA







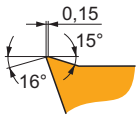
P	M	K	N	S	H
			■		

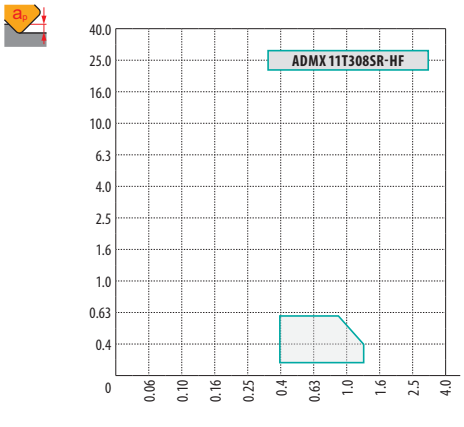
f 0.03 – 0.30

a_p 0.2 – 9.0

ADEX 11T304FR-FA, ADEX 11T308FR-FA
ADEX 11T312FR-FA, ADEX 11T316FR-FA

ADEX 11-HF





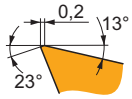
P	M	K	N	S	H
■	◪				

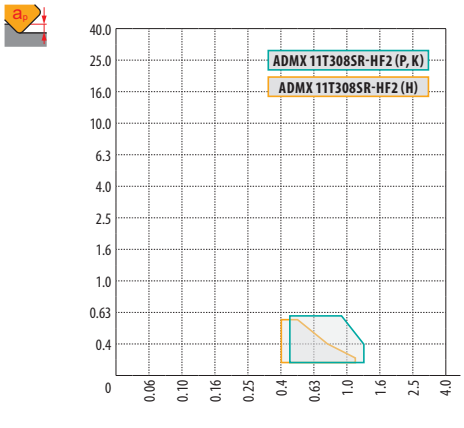
f 0.40 – 1.3

a_p 0.1 – 0.6

ADEX 11T308SR-HF

ADEX 11-HF2





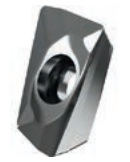
P	M	K	N	S	H
■	◪	◪		◪	◪

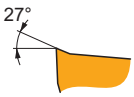
f ⇨ 0.40 – 1.3

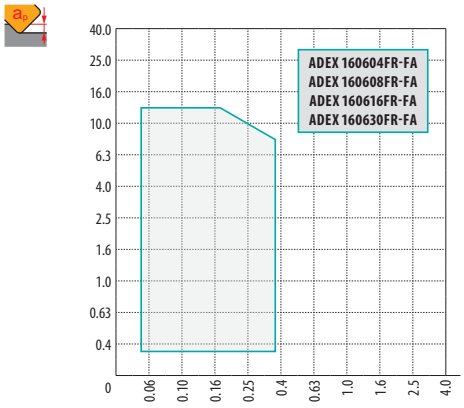
a_p 0.2 – 0.6

ADEX 11T308SR-HF2

ADEX 16-FA







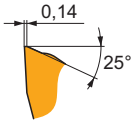
P	M	K	N	S	H
			■		

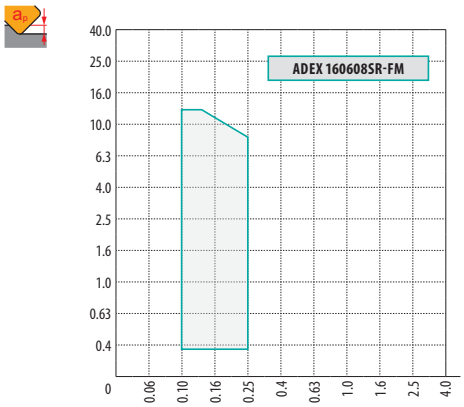
f ⇨ 0.05 – 0.35

a_p 0.3 – 13.0

ADEX 160604FR-FA, ADEX 160608FR-FA
ADEX 160616FR-FA, ADEX 160630FR-FA

ADEX 16-FM





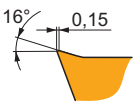
P	M	K	N	S	H
■	◪	■		◪	

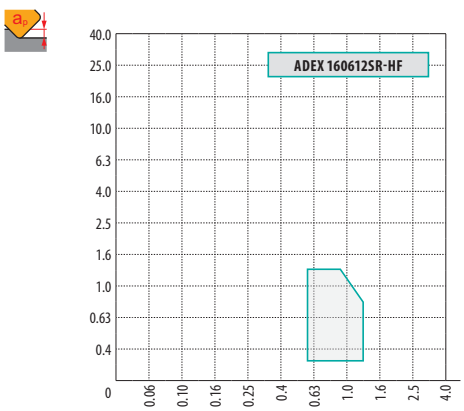
f ⇨ 0.10 – 0.25

a_p 0.3 – 13.0

ADEX 160608SR-FM

ADEX 16-HF





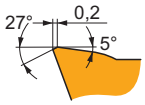
P	M	K	N	S	H
■	◪				

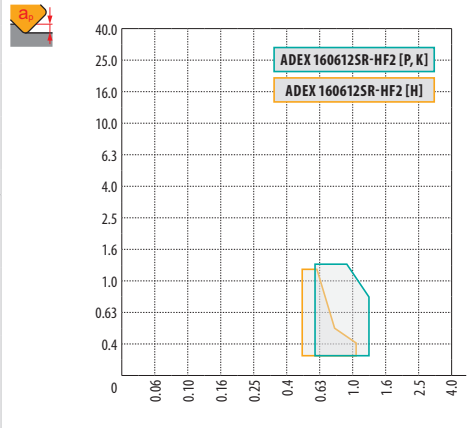
f ⇨ 0.60 – 1.3

a_p 0.3 – 1.3

ADEX 160612SR-HF

ADEX 16-HF2





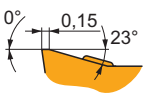
P	M	K	N	S	H
■	◪	◪		◪	◪

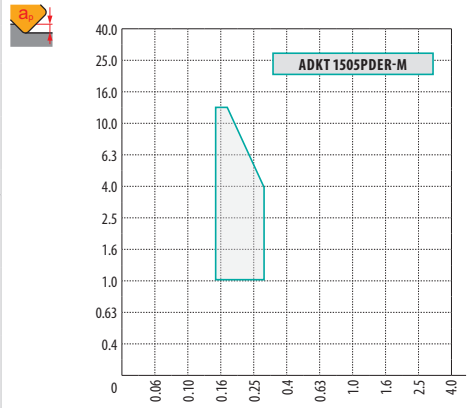
f ⇨ 0.60 – 1.3

a_p 0.3 – 1.3

? **ADEX 160612SR-HF2**

ADKT 15-M





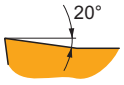
P	M	K	N	S	H
■	■	■		◪	

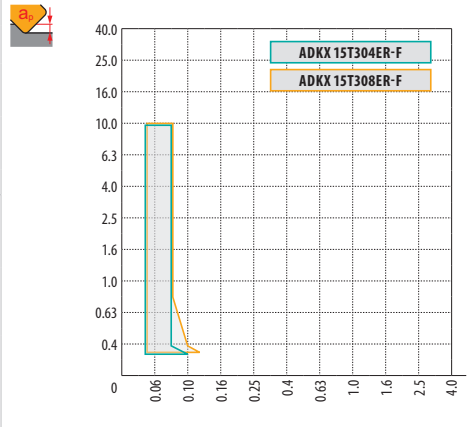
f ⇨ 0.15 – 0.30

a_p 1.0 – 13.0

? **ADKT 1505PDER-M**

ADKX 15-F





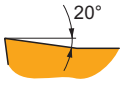
P	M	K	N	S	H
◪	■			◪	

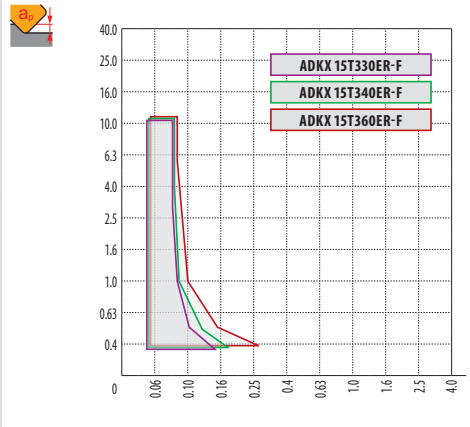
f ⇨ 0.05 – 0.12

a_p 0.3 – 10.0

? **ADKX 15T304ER-F**
ADKX 15T308ER-F

ADKX 15-F (RAD)





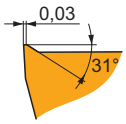
P	M	K	N	S	H
■	■			■	

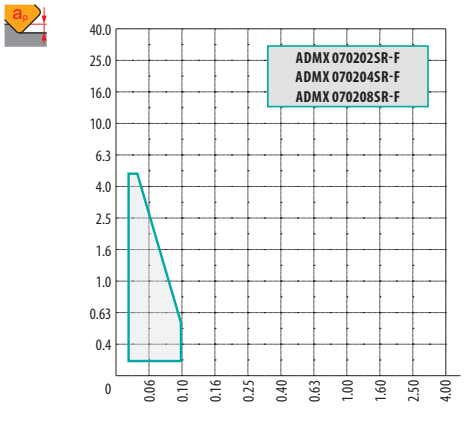
f ⇨ 0.05 – 0.26（依刀尖半径而定）

a_p 0.3 – 10.0

? **ADKX 15T330ER-F**
ADKX 15T340ER-F
ADKX 15T360ER-F

ADMX 07-F NEW





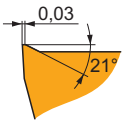
P	M	K	N	S	H
■	■		◪	◪	

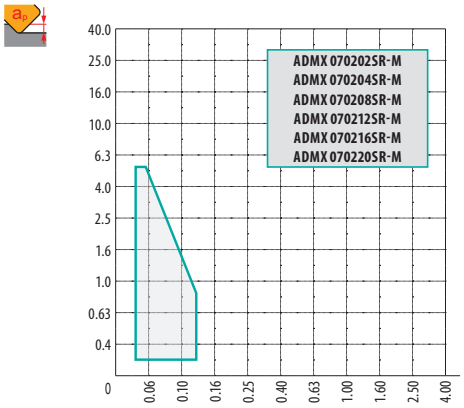
f ⇨ 0.02 – 0.10

a_p 0.1 – 5.0

ADMX 070202SR-F
ADMX 070204SR-F
ADMX 070208SR-F

ADMX 07-M





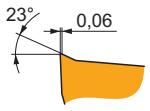
P	M	K	N	S	H
■	◪	◪	◪	◪	

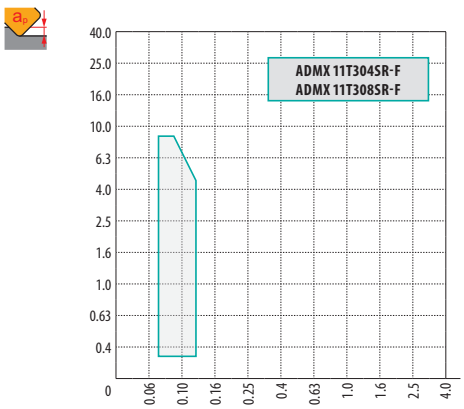
f ⇨ 0.03 – 0.12

a_p 0.1 – 5.0

ADMX 070202SR-M, ADMX 070204SR-M
ADMX 070208SR-M, ADMX 070212SR-M
ADMX 070216SR-M, ADMX 070220SR-M

ADMX 11-F





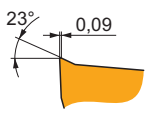
P	M	K	N	S	H
■	◪	◪	◪	◪	

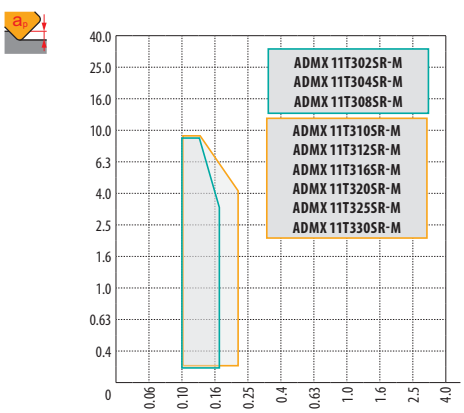
f ⇨ 0.07 – 0.12

a_p 0.2 – 9.0

ADMX 11T304SR-F
ADMX 11T308SR-F

ADMX 11-M





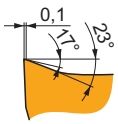
P	M	K	N	S	H
■	■	■		◪	

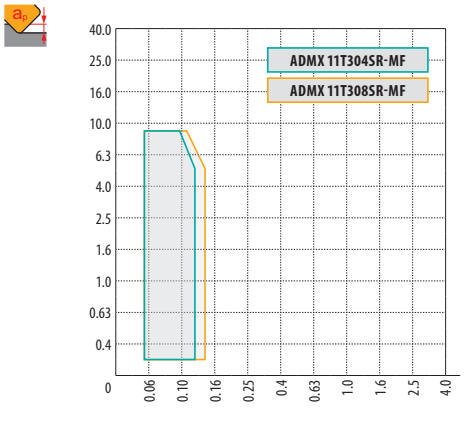
f ⇨ 0.10 – 0.22

a_p 0.2 – 9.0

ADMX 11T3..SR-M

ADMX 11-MF





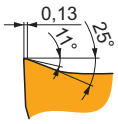
P	M	K	N	S	H
■	■		◪	■	

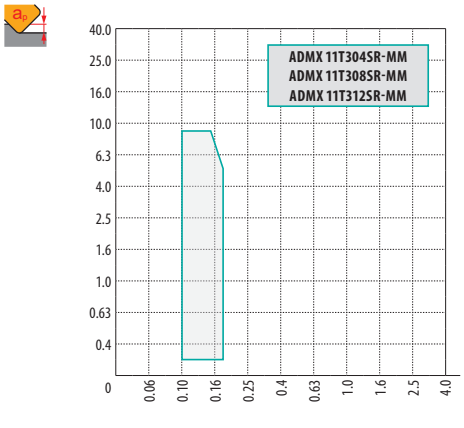
f ⇨ 0.05 – 0.14

a_p 0.2 – 9.0

ADMX 11T304SR-MF
ADMX 11T308SR-MF

ADMX 11-MM





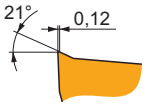
P	M	K	N	S	H
■	■		◪	■	

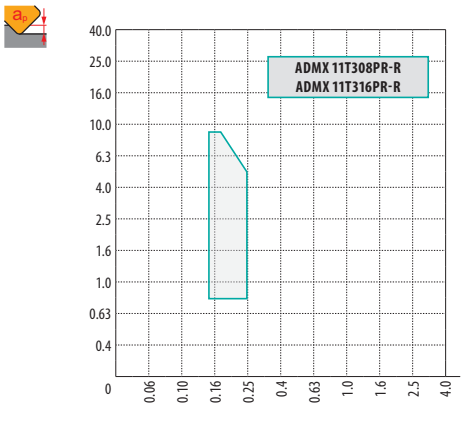
f ⇨ 0.10 – 0.18

a_p 0.2 – 9.0

ADMX 11T304SR-MM
ADMX 11T308SR-MM
ADMX 11T312SR-MM

ADMX 11-R





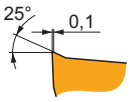
P	M	K	N	S	H
■	◪	■		◪	◪

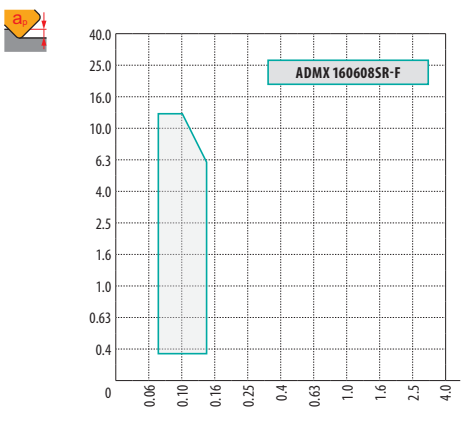
f ⇨ 0.15 – 0.25

a_p 0.8 – 9.0

ADMX 11T3..PR-R

ADMX 16-F





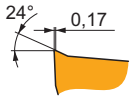
P	M	K	N	S	H
■	◪	◪	◪	◪	

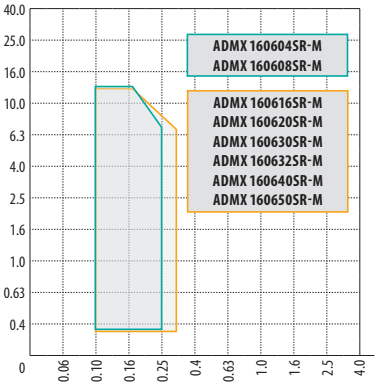
f ⇨ 0.07 – 0.15

a_p 0.3 – 13.0

ADMX 160608SR-F

ADMX 16-M





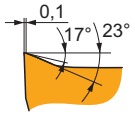
P	M	K	N	S	H
■	■	■		◪	

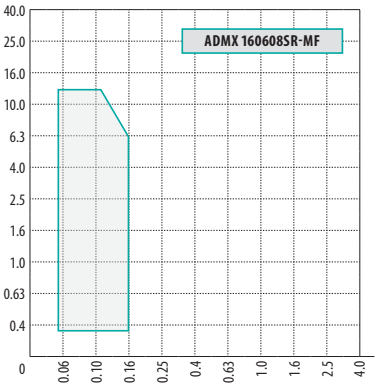
f ⇨ 0.10 – 0.25

a_p 0.3 – 13.0

ADMX 1606..SR-M

ADMX 16-MF





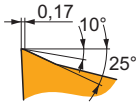
P	M	K	N	S	H
■	■		◪	■	

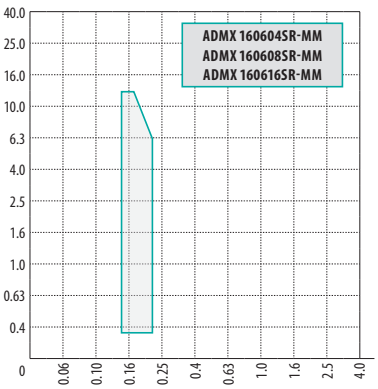
f ⇨ 0.05 – 0.16

a_p 0.3 – 13.0

ADMX 160608SR-MF

ADMX 16-MM





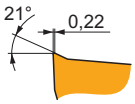
P	M	K	N	S	H
■	■		◪	■	

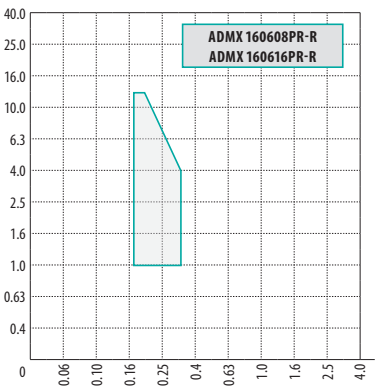
f ⇨ 0.14 – 0.22

a_p 0.3 – 13.0

ADMX 160604SR-MM
ADMX 160608SR-MM
ADMX 160616SR-MM

ADMX 16-R





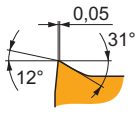
P	M	K	N	S	H
■	◪	■		◪	◪

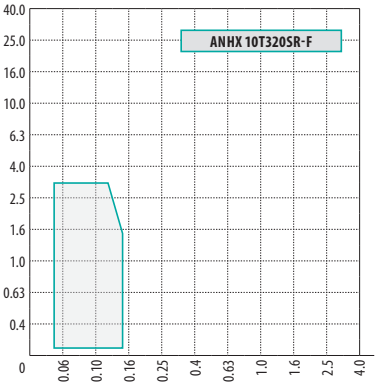
f ⇨ 0.17 – 0.35

a_p 1.0 – 13.0

ADMX 160608PR-R
ADMX 160616PR-R

ANHX 10-F

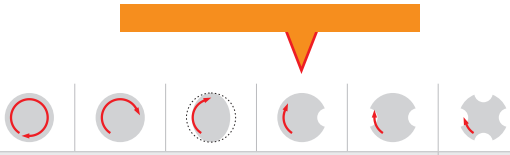




P	M	K	N	S	H
■	◪				

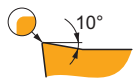
f ⇨ 0.05 – 0.15

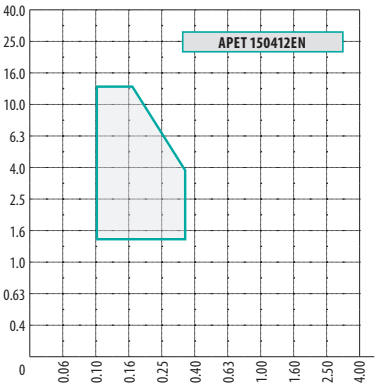
a_p 0.1 – 3.0



? **ANHX 10T320SR-F**

APET 15EN

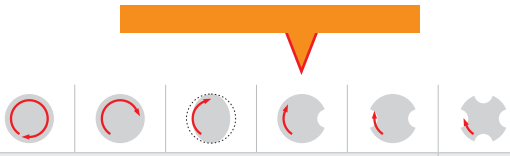




P	M	K	N	S	H
■	◪	■		◪	

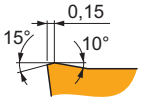
f ⇨ 0.10 – 0.35

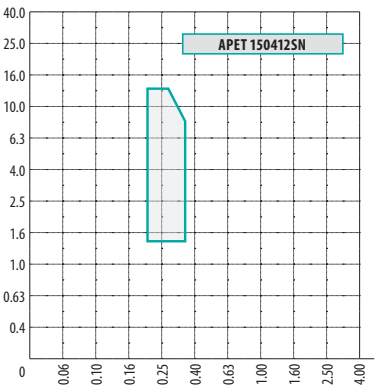
a_p 1.5 – 12.0



? **APET 150412EN**

APET 15SN

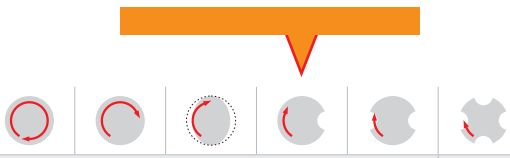




P	M	K	N	S	H
■	◪	■		◪	

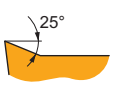
f ⇨ 0.20 – 0.35

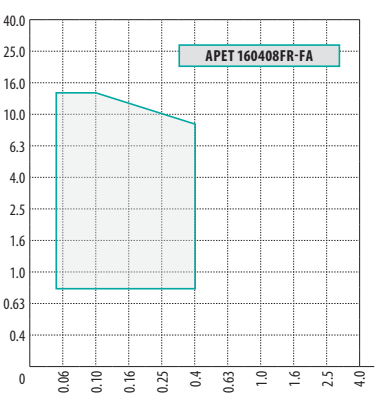
a_p 1.5 – 12.0



? **APET 150412SN**

APET 16-FA

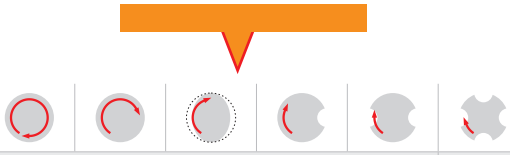




P	M	K	N	S	H
			■		

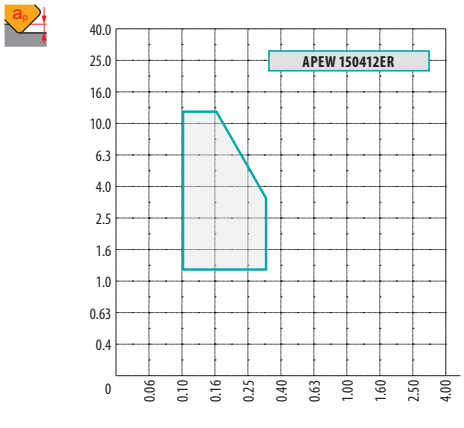
f ⇨ 0.05 – 0.40

a_p 0.8 – 15.0



? **APET 160408FR-FA**

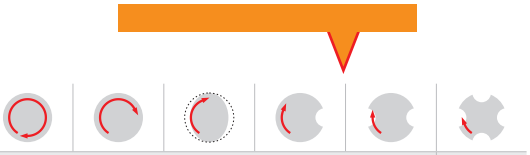
APEW 15ER



P	M	K	N	S	H
◪		■			◪

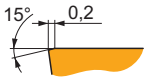
f ⇨ 0.10 – 0.30

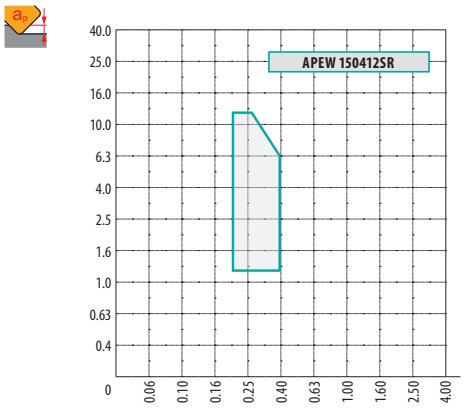
a_p 1.2 – 12.0



? **APEW 150412ER**

APEW 15SR

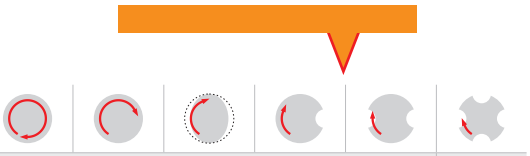




P	M	K	N	S	H
◪		■			◪

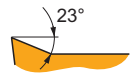
f ⇨ 0.20 – 0.40

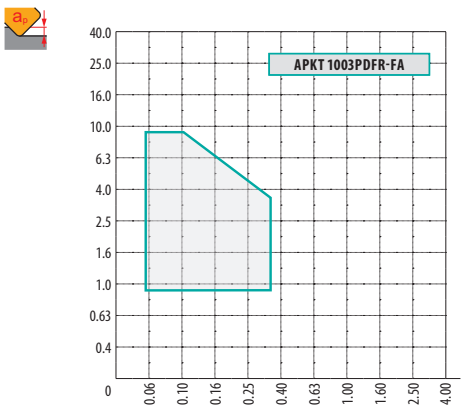
a_p 1.2 – 12.0



? **APEW 150412SR**

APKT 10-FA

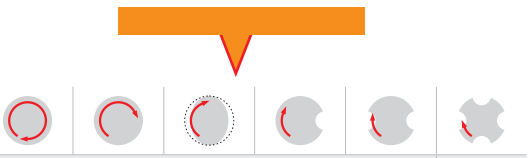




P	M	K	N	S	H
			■		

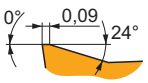
f ⇨ 0.05 – 0.30

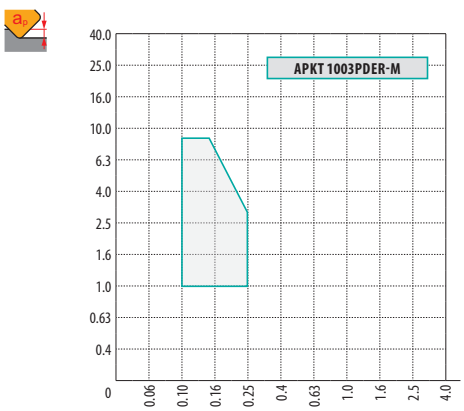
a_p 0.8 – 9.0



? **APKT 1003PDFR-FA**

APKT 10-M

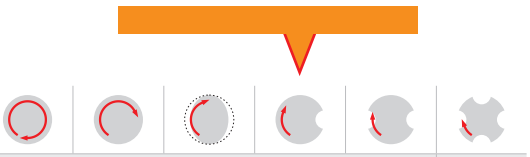




P	M	K	N	S	H
■	◪	■		◪	

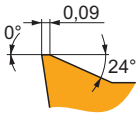
f ⇨ 0.10 – 0.25

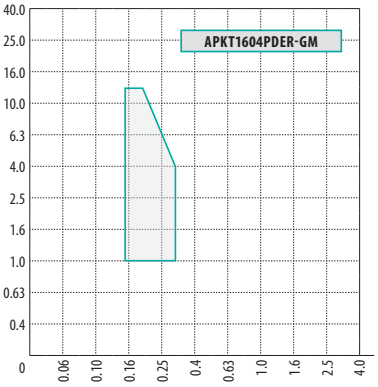
a_p 1.0 – 9.0



? **APKT 1003PDER-M**

APKT 16-GM

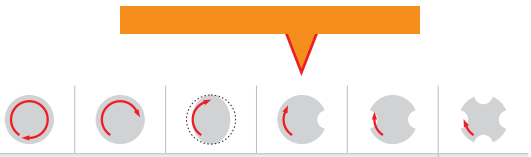




P	M	K	N	S	H
■	◪	■		◪	

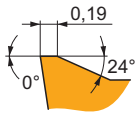
f ⇨ 0.15 – 0.30

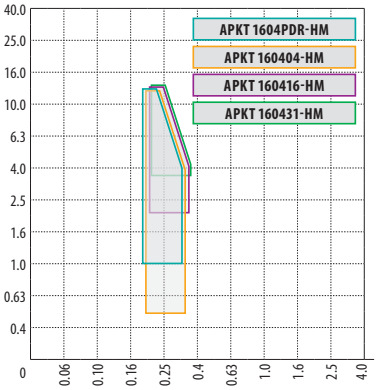
a_p 1.0 – 13.0



? APKT 1604PDR-GM

APKT 16-HM

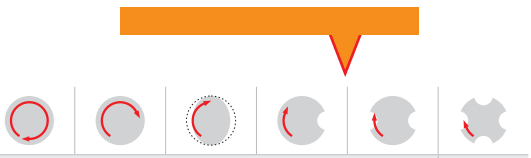




P	M	K	N	S	H
■	◪	■		◪	

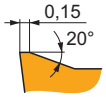
f ⇨ 0.20 – 0.35

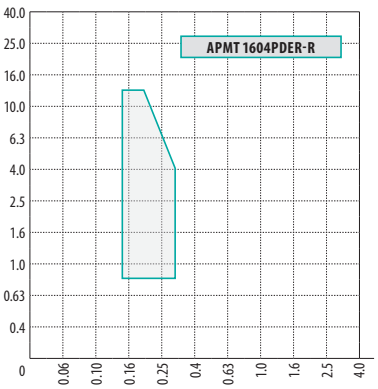
a_p 1.0 – 13.0



? APKT 1604PDR-HM, APKT 160404-HM
APKT 160416-HM, APKT 160431-HM

APMT 16 ER-R

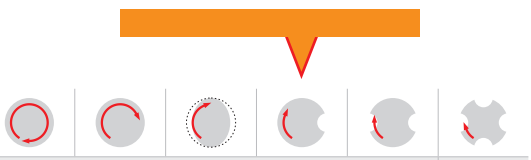




P	M	K	N	S	H
■		■			

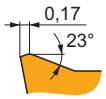
f ⇨ 0.15 – 0.30

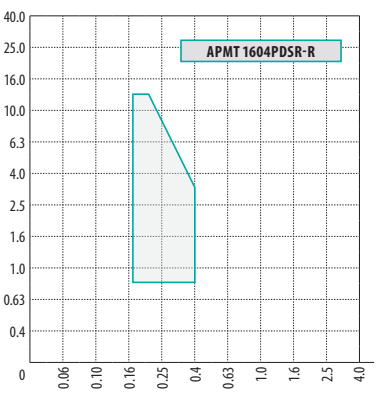
a_p 0.8 – 13.0



? APMT 1604PDER-R

APMT 16 SR-R

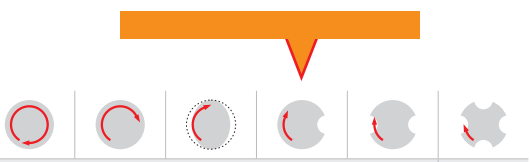




P	M	K	N	S	H
■		■			

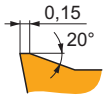
f ⇨ 0.17 – 0.40

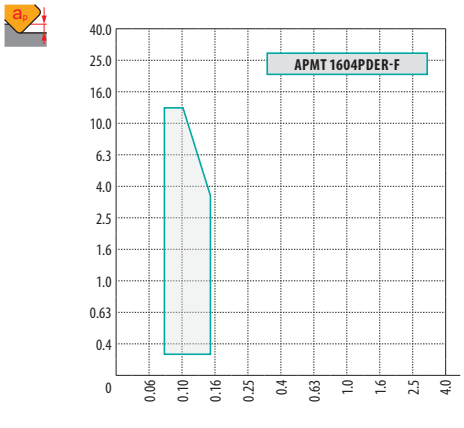
a_p 0.8 – 13.0



? APMT 1604PDSR-R

APMT 16-F





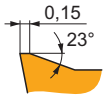
P	M	K	N	S	H
■	■	◪		◪	

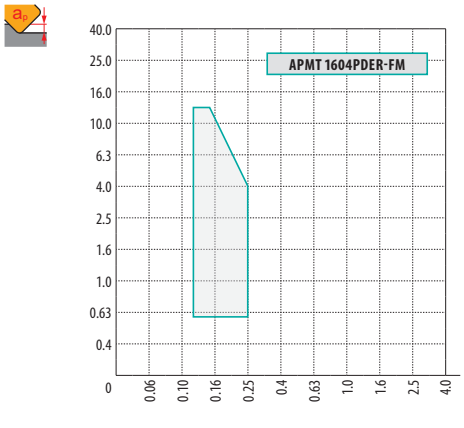
f ⇨ 0.07 – 0.15

a_p 0.3 – 13.0

APMT 1604PDER-F

APMT 16-FM





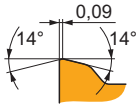
P	M	K	N	S	H
■	■	◪		◪	

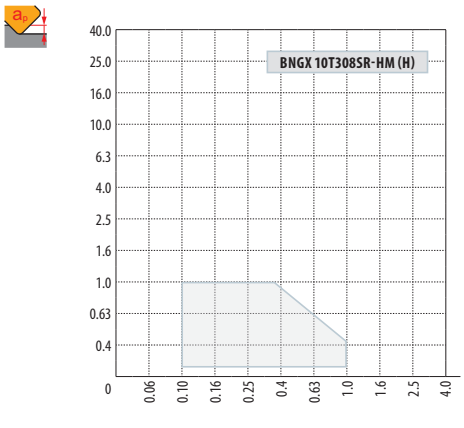
f ⇨ 0.12 – 0.25

a_p 0.6 – 13.0

APMT 1604PDER-FM

BNGX 10-HM





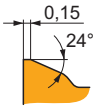
P	M	K	N	S	H
		◪			■

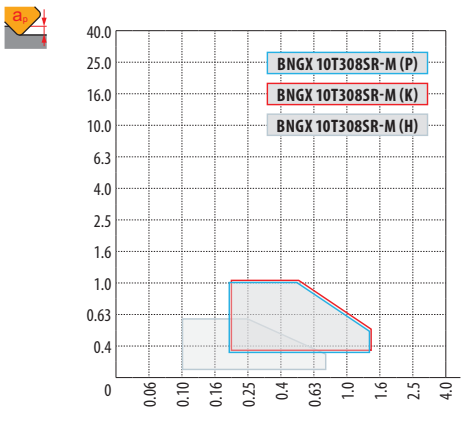
f ⇨ 0.10 – 1.00

a_p 0.1 – 1.0

BNGX 10T308SR-HM

BNGX 10-M





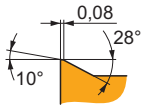
P	M	K	N	S	H
■		■			◪

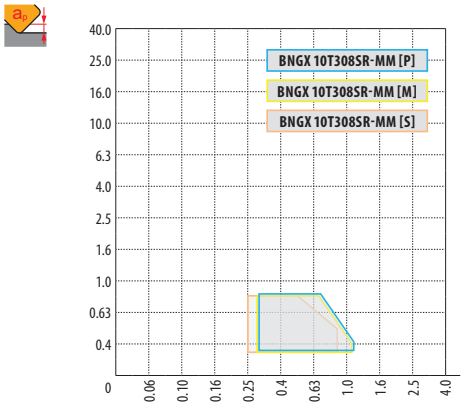
f ⇨ 0.20 – 1.40

a_p 0.3 – 1.0

BNGX 10T308SR-M

BNGX 10-MM





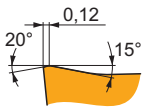
P	M	K	N	S	H
◪	■			■	

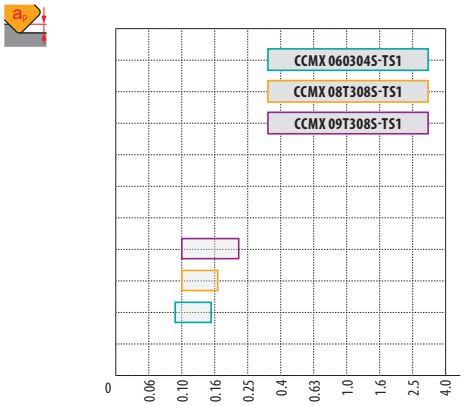
f ⇨ 0.20 – 1.10

a_p 0.3 – 1.0

BNGX 10T308SR-MM

CCMX -TS1





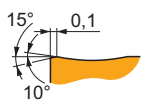
P	M	K	N	S	H
■	◪	■			

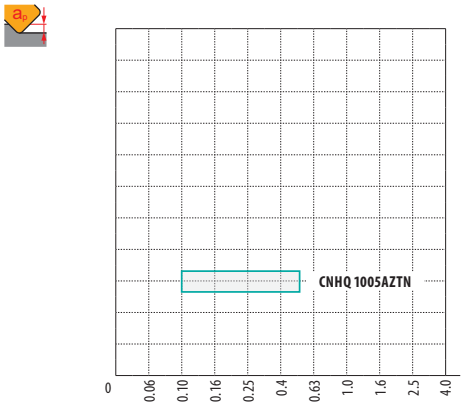
f ⇨ 0.08 – 0.18（依刀片尺寸而定）

a_p –

CCMX 060304S-TS1
CCMX 08T308S-TS1
CCMX 09T308S-TS1

CNHQ 10





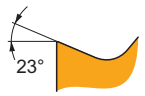
P	M	K	N	S	H
■	◪	■			

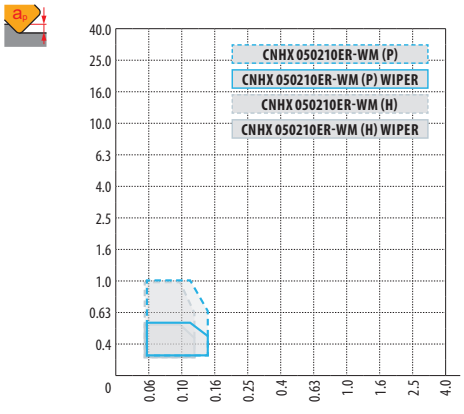
f ⇨ 0.10 – 0.50

a_p –

CNHQ 1005AZTN

CNHX 05-WM





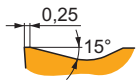
P	M	K	N	S	H
■		■			■

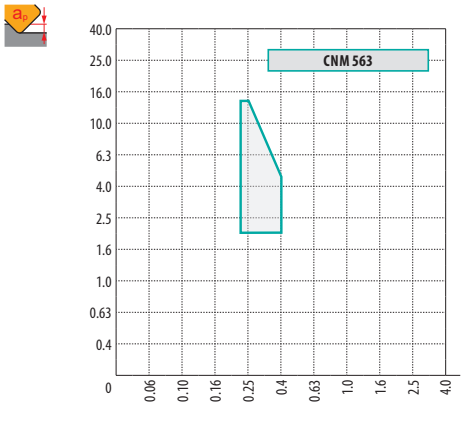
f ⇨ 0.05 – 0.15

a_p 0.1 – 1.0

CNHX 050210ER-WM
CNHX 050210ER-WM

CNM 563





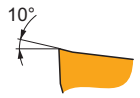
P	M	K	N	S	H
■		■			

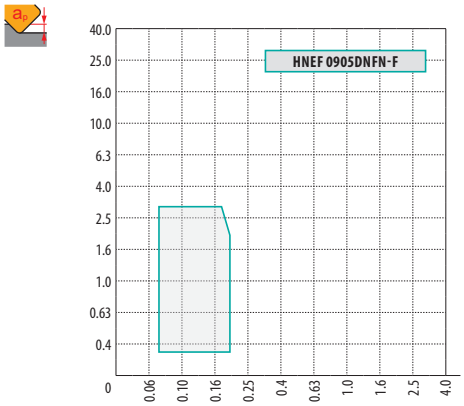
f ⇨ 0.20 – 0.40

a_p 2.0 – 14.0

CNM 563

HNEF 09-F





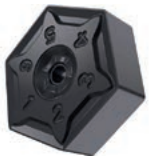
P	M	K	N	S	H
		■			

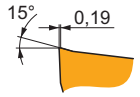
f ⇨ 0.07 – 0.20

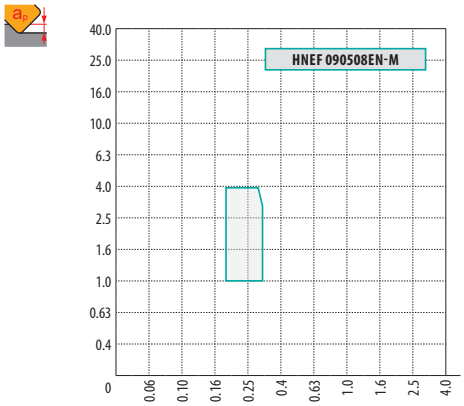
a_p 0.3 – 3.0

HNEF 0905DNFN-F

HNEF 09-M







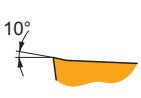
P	M	K	N	S	H
		■			

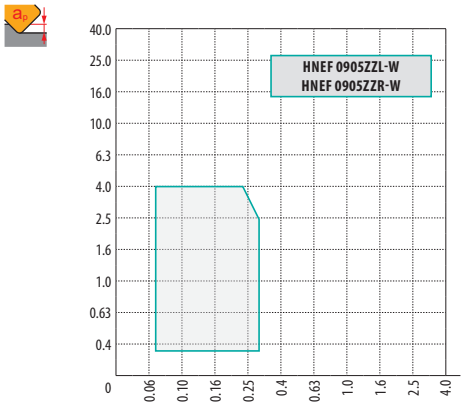
f ⇨ 0.17 – 0.30

a_p 1.0 – 4.0

HNEF 090508EN-M

HNEF 09-W





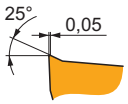
P	M	K	N	S	H
		■			

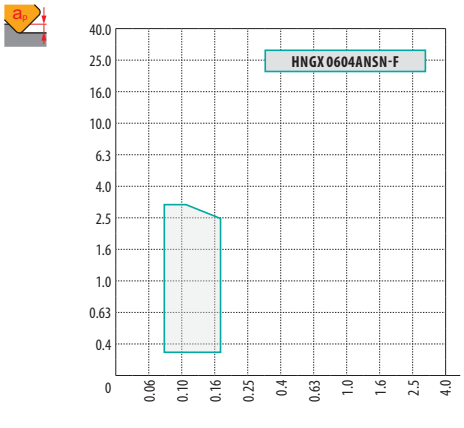
f ⇨ 0.07 – 0.30

a_p 0.3 – 4.0

HNEF 0905ZZL-W
HNEF 0905ZZR-W

HNGX 06-F

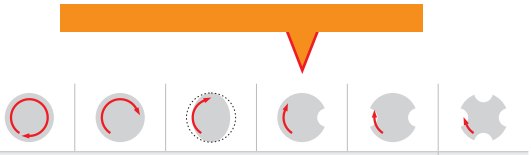




P	M	K	N	S	H
■	◪				

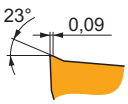
f ⇨ 0.08 – 0.17

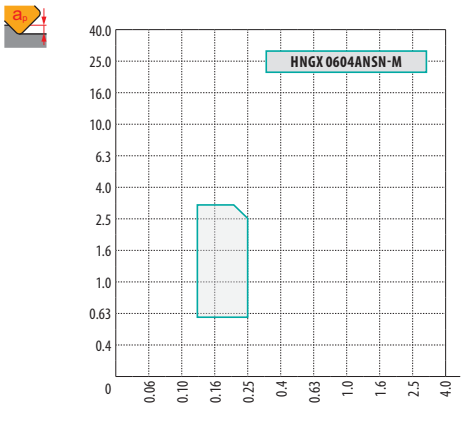
a_p 0.3 – 3.0



HNGX 0604ANSN-F

HNGX 06-M

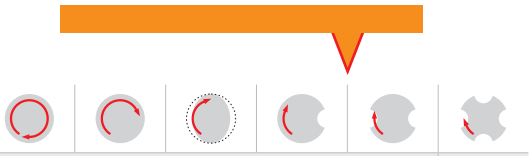




P	M	K	N	S	H
■	◪	■			

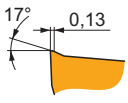
f ⇨ 0.13 – 0.25

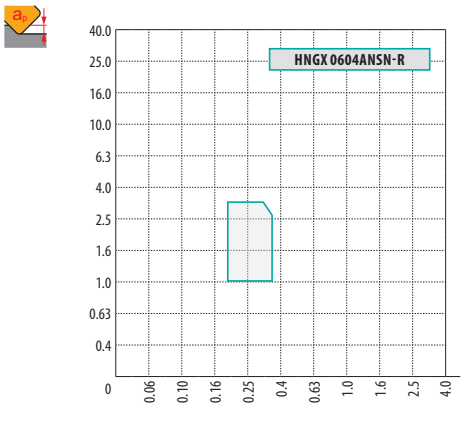
a_p 0.6 – 3.0



HNGX 0604ANSN-M

HNGX 06-R

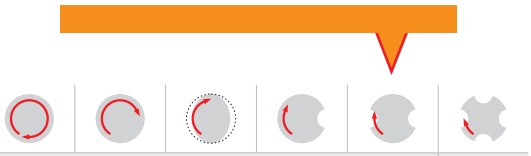




P	M	K	N	S	H
■	◪	■			◪

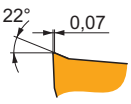
f ⇨ 0.18 – 0.30

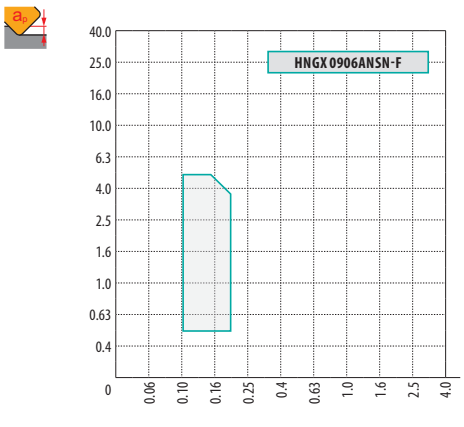
a_p 1.0 – 3.0



HNGX 0604ANSN-R

HNGX 09-F

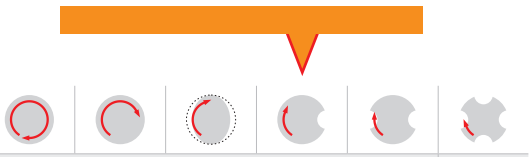




P	M	K	N	S	H
■	■				

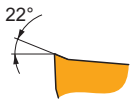
f ⇨ 0.10 – 0.20

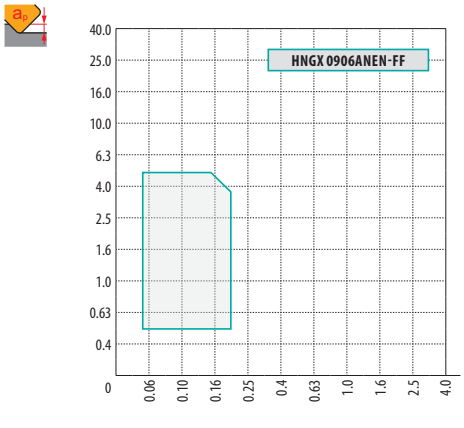
a_p 0.5 – 5.0



HNGX 0906ANSN-F

HNGX 09-FF

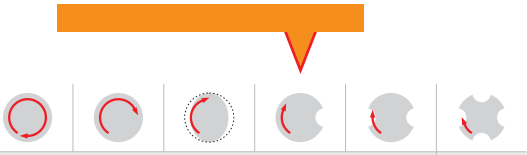




P	M	K	N	S	H
■	■				

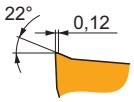
f ⇨ 0.05 – 0.20

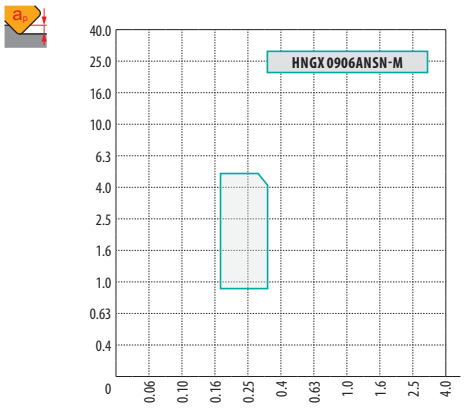
a_p 0.5 – 5.0



HNGX 0906ANEN-FF

HNGX 09-M

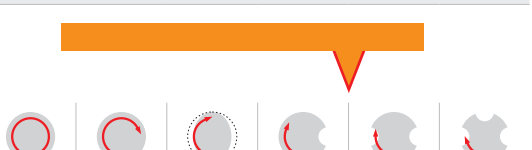




P	M	K	N	S	H
■	◪	■			

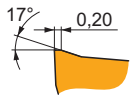
f ⇨ 0.17 – 0.35

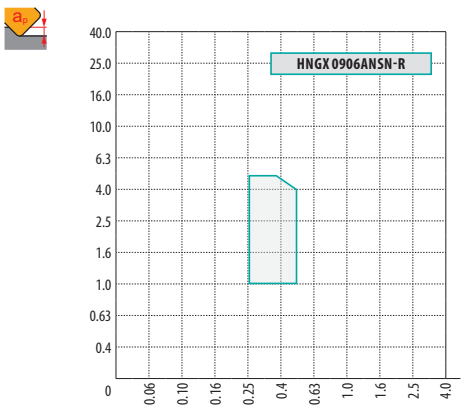
a_p 0.8 – 5.0



HNGX 0906ANSN-M

HNGX 09-R

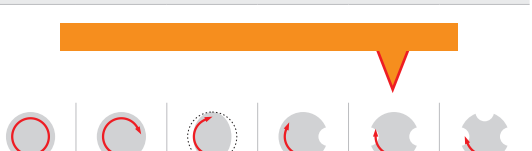




P	M	K	N	S	H
■	◪	■			◪

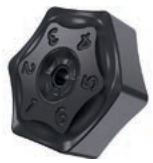
f ⇨ 0.25 – 0.50

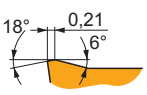
a_p 1.0 – 5.0

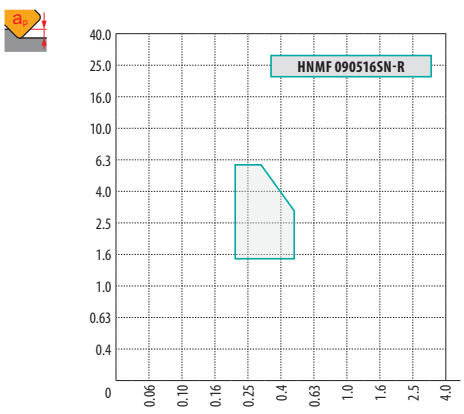


HNGX 0906ANSN-R

HNMF 09-R



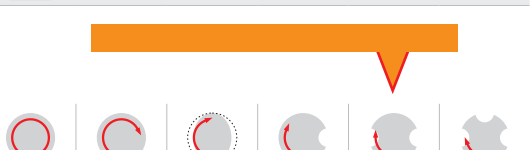




P	M	K	N	S	H
		■			

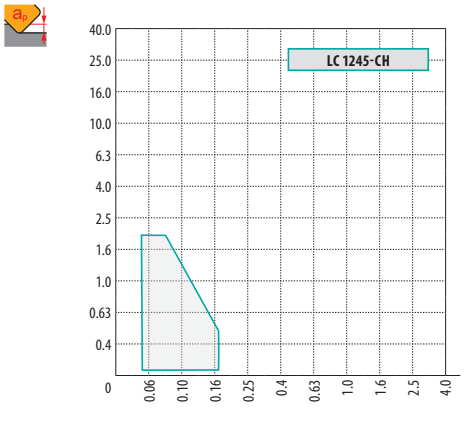
f ⇨ 0.22 – 0.50

a_p 1.5 – 6.0



HNMF 090516SN-R

LC 12-CH



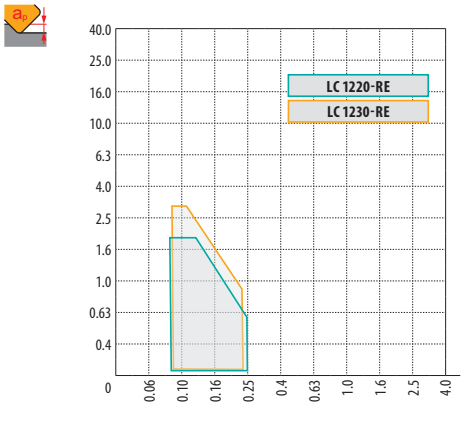
P	M	K	N	S	H
■					

f 0.08 – 0.25

a_p 0.1 – 2.0

LC 1245-CH

LC 12-RE



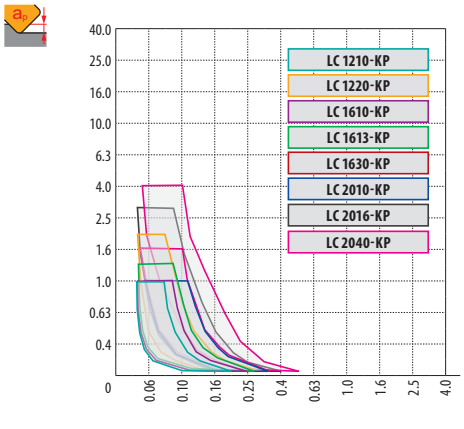
P	M	K	N	S	H
■		■			

f 0.08 – 0.25

a_p 0.1 – 3.0（依刀片尺寸而定）

LC 1220-RE
LC 1230-RE

LC -KP



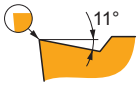
P	M	K	N	S	H
■		■			

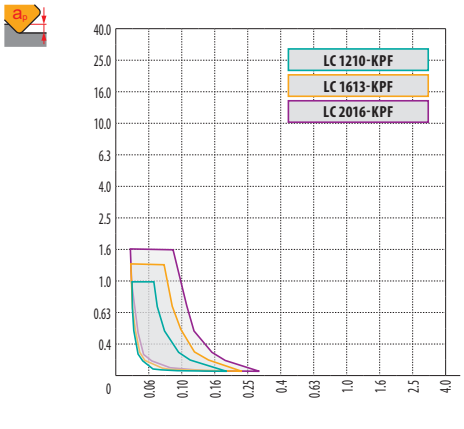
f 0.08 – 0.35（依刀片尺寸而定）

a_p 0.1 – 4.0（依刀片尺寸而定）

LC ....-KP

LC -KPF





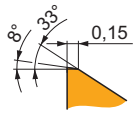
P	M	K	N	S	H
■	■	■			

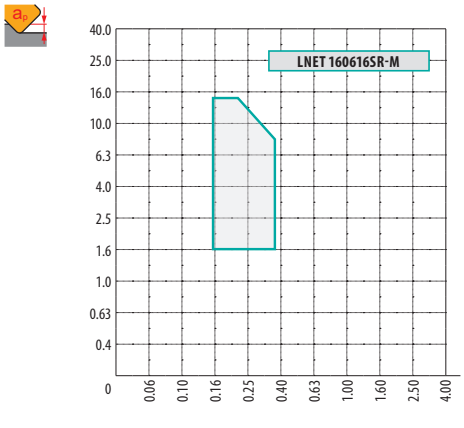
f 0.05 – 0.30（依刀片尺寸和半径而定）

a_p 0.1 – 1.6（依刀片尺寸和半径而定）

LC 1210-KPF
LC 1613-KPF
LC 2016-KPF

LNET 16-M





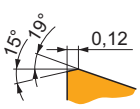
P	M	K	N	S	H
■		■			

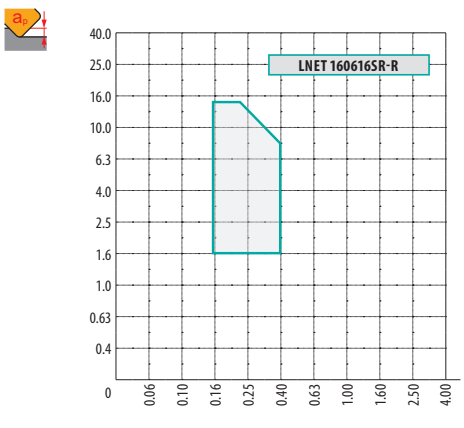
f ⇨ 0.15 – 0.35

a_p 1.6 – 15.0

LNET 160616SR-M

LNET 16-R





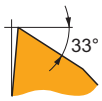
P	M	K	N	S	H
■		■			

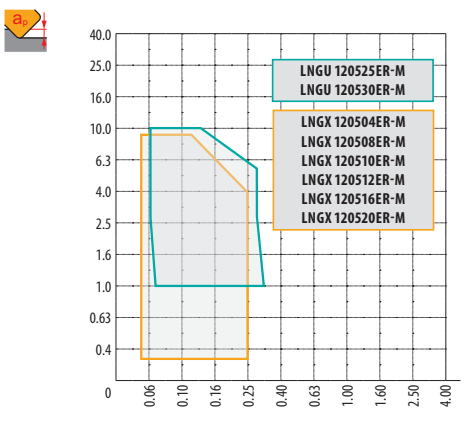
f ⇨ 0.15 – 0.40

a_p 1.6 – 15.0

LNET 160616SR-R

LNG(U)X 12-M





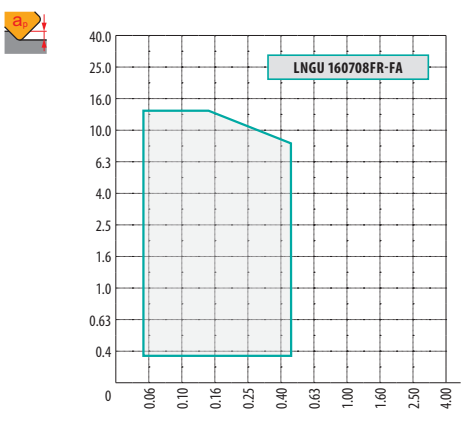
P	M	K	N	S	H
■		■			

f ⇨ 0.05 – 0.25

a_p 0.2 – 9.0（依刀尖半径而定）

LNGU 1205..ER-M
LNGX 1205..ER-M

LNGU 16-FA



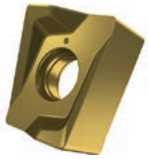
P	M	K	N	S	H
			■		

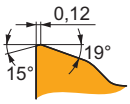
f ⇨ 0.05 – 0.45

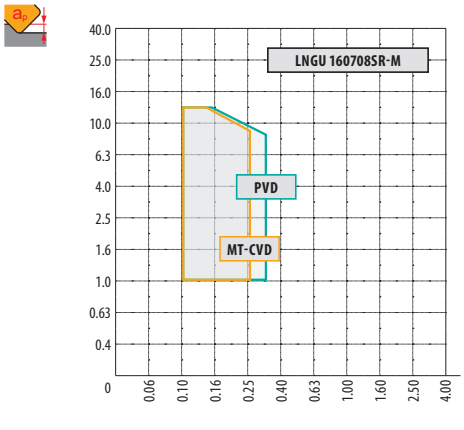
a_p 0.3 – 13.0

LNGU 160708FR-FA

LNGU 16-M







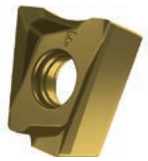
P	M	K	N	S	H
■		■			

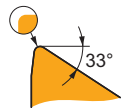
f ⇨ 0.10 – 0.30（依刀片涂层而定）

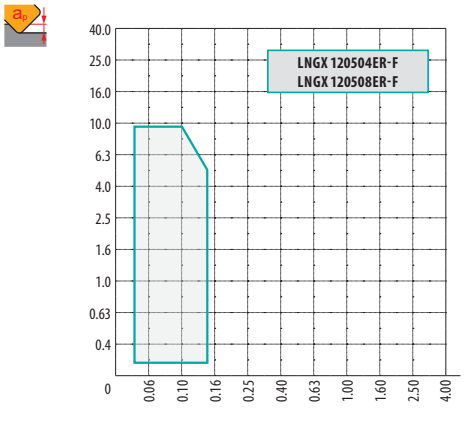
a_p 1.0 – 13.0

LNGU 160708SR-M

LNGX 12-F







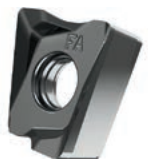
P	M	K	N	S	H
■		◪			

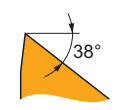
f ⇨ 0.04 – 0.15

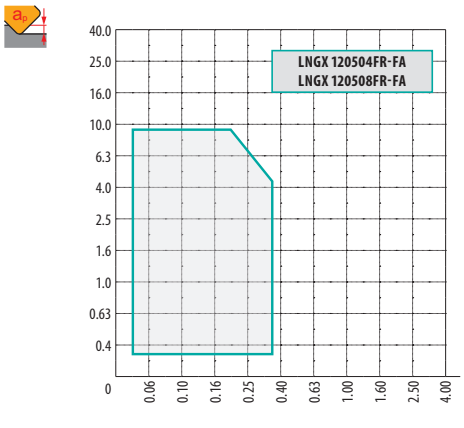
a_p 0.2 – 9.0

LNGX 120504ER-F
LNGX 120508ER-F

LNGX 12-FA







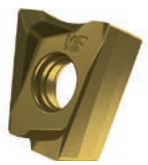
P	M	K	N	S	H
			■		

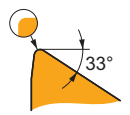
f ⇨ 0.03 – 0.35

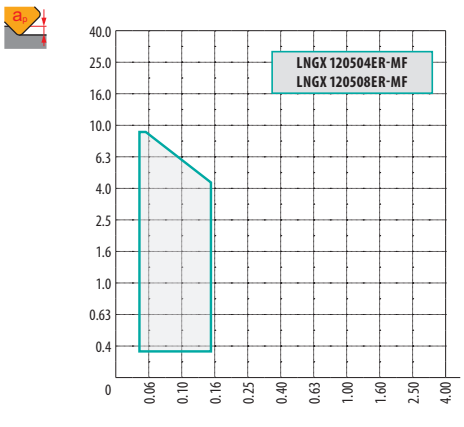
a_p 0.2 – 9.0

LNGX 120504FR-FA
LNGX 120508FR-FA

LNGX 12-MF







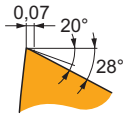
P	M	K	N	S	H
◪	■				

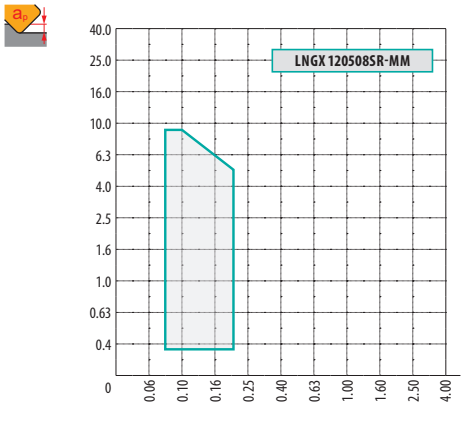
f ⇨ 0.04 – 0.15

a_p 0.3 – 9.0

LNGX 120504ER-MF
LNGX 120508ER-MF

LNGX 12-MM





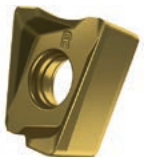
P	M	K	N	S	H
■	■				

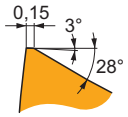
f ⇨ 0.08 – 0.20

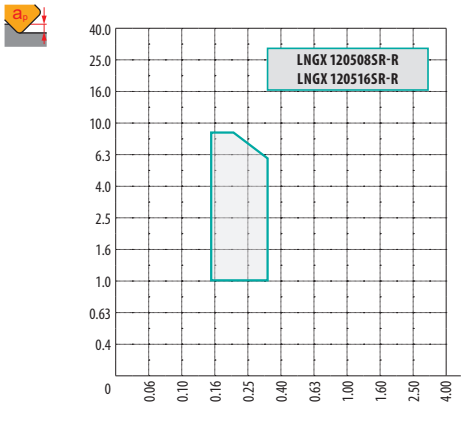
a_p 0.3 – 9.0

LNGX 120508SR-MM

LNGX 12-R







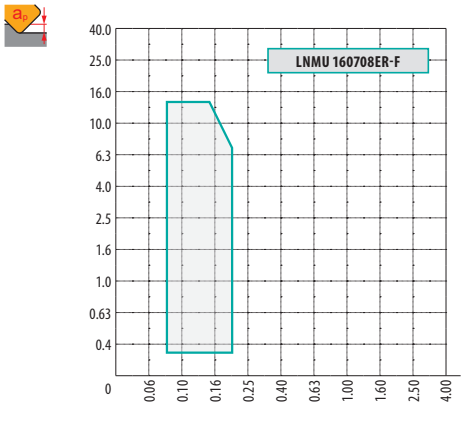
P	M	K	N	S	H
■		■			

f ⇨ 0.15 – 0.35

a_p 1.0 – 9.0

LNGX 120508SR-R
LNGX 120516SR-R

LNMU 16-F



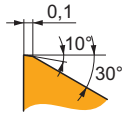
P	M	K	N	S	H
■					

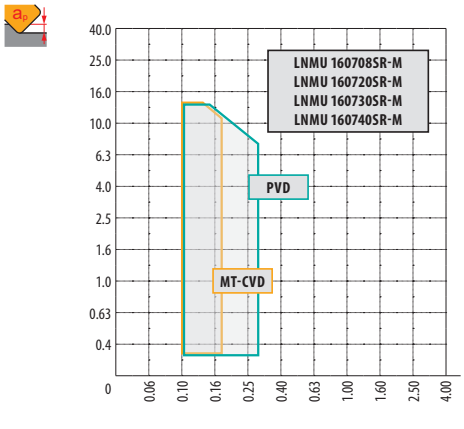
f ⇨ 0.08 – 0.20

a_p 0.3 – 13.0

LNMU 160708ER-F

LNMU 16-M





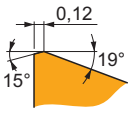
P	M	K	N	S	H
■		■			

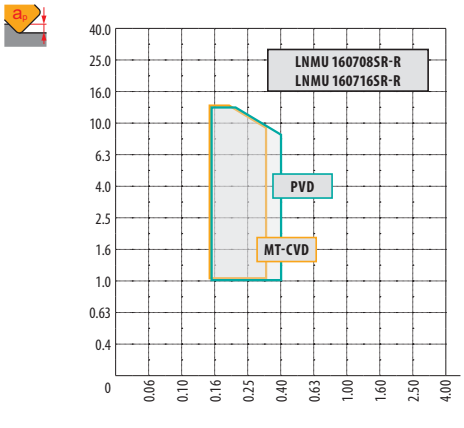
f ⇨ 0.10 – 0.30（依刀片涂层而定）

a_p 0.3 – 13.0

LNMU 160708SR-M, LNMU 160720SR-M
LNMU 160730SR-M, LNMU 160740SR-M

LNMU 16-R





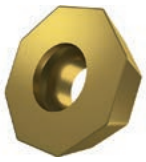
P	M	K	N	S	H
■		■			◪

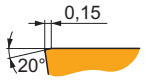
f 0.15 – 0.40（依刀片涂层而定）

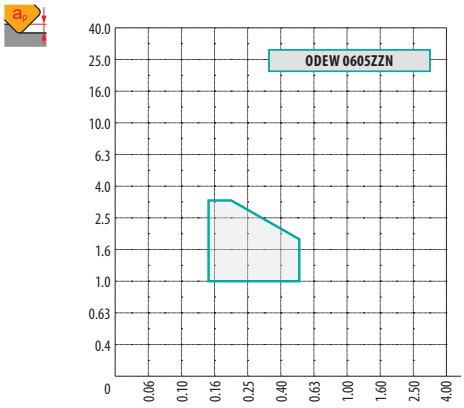
a_p 1.0 – 13.0

LNMU 160708SR-R
LNMU 160716SR-R

ODEW 06







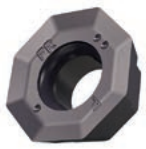
P	M	K	N	S	H
◪		■			◪

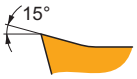
f 0.15 – 0.45

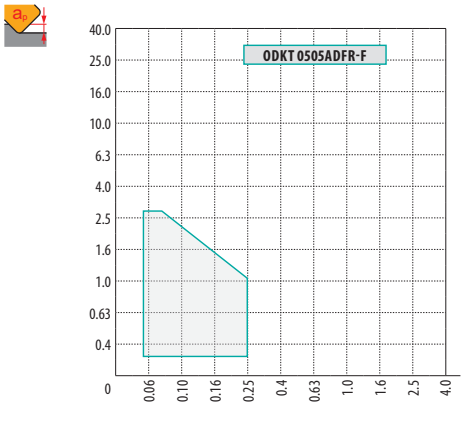
a_p 1.0 – 3.1

ODEW 0605ZZN

ODKT 05-F







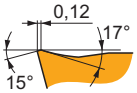
P	M	K	N	S	H
■	◪				

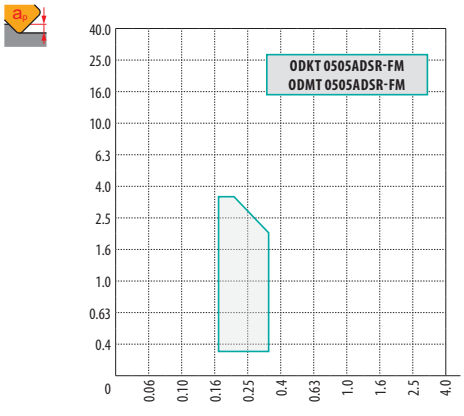
f 0.05 – 0.25

a_p 0.2 – 2.7

ODKT 0505ADFR-F

ODK(M)T 05-FM





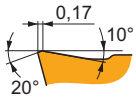
P	M	K	N	S	H
■	■	◪			

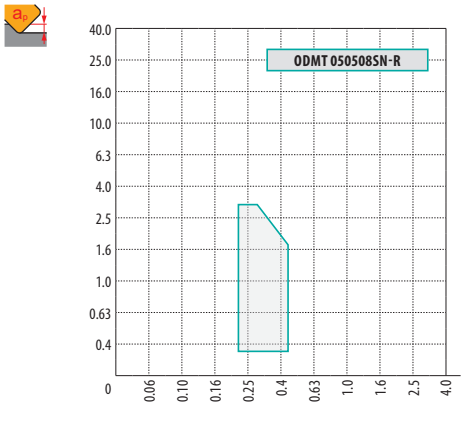
f 0.17 – 0.35

a_p 0.3 – 3.0

ODKT 0505ADSR-FM
ODMT 0505ADSR-FM

ODMT 05-R

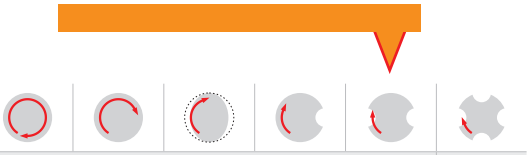




P	M	K	N	S	H
■		■			

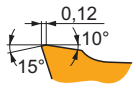
f 0.23 – 0.45

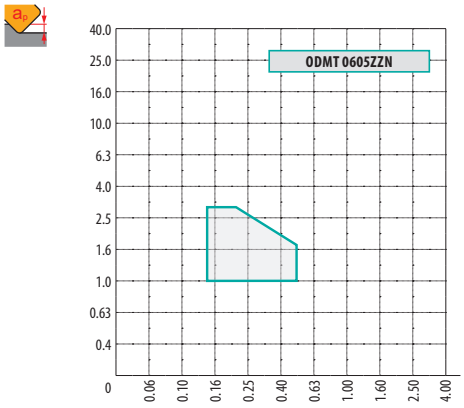
a_p 0.3 – 3.0



ODMT 050508SN-R

ODMT 06

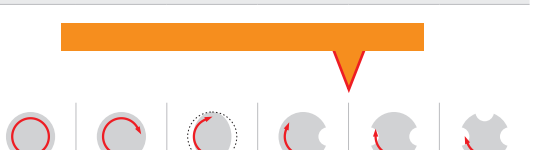




P	M	K	N	S	H
■		■			

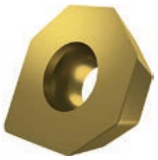
f 0.15 – 0.45

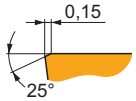
a_p 1.0 – 3.1

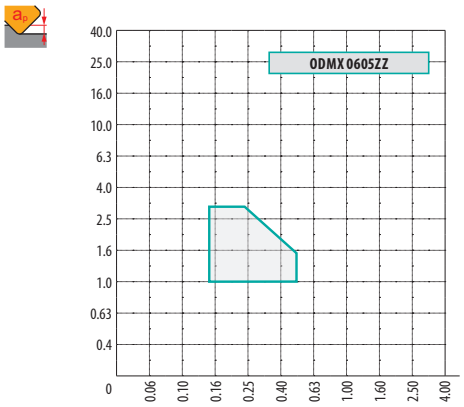


ODMT 0605ZZN

ODMX 06



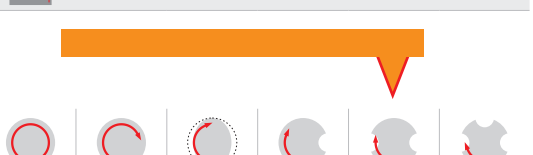




P	M	K	N	S	H
◪		■			◪

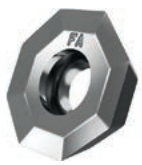
f 0.15 – 0.45

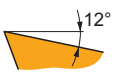
a_p 1.0 – 3.1

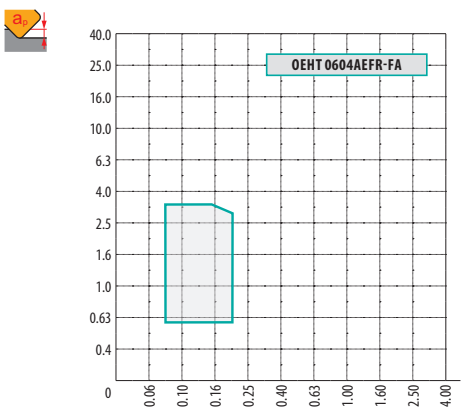


ODMX 0605ZZ

OEHT 06-FA



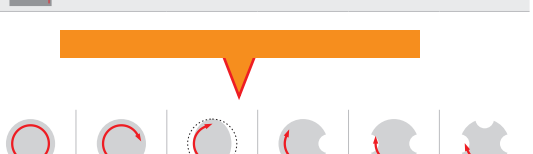




P	M	K	N	S	H
			■		

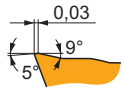
f 0.08 – 0.20

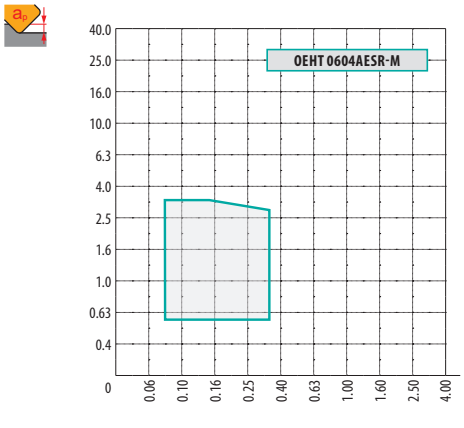
a_p 0.5 – 3.3



OEHT 0604AEFR-FA

OEHT 06-M





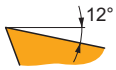
P	M	K	N	S	H
■	■			◪	

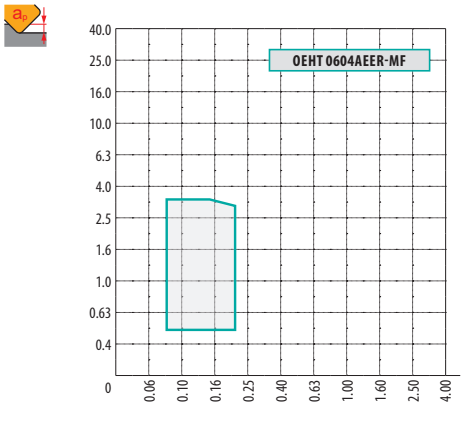
f ⇨ 0.08 – 0.35

a_p 0.5 – 3.3

? **OEHT 0604AESR-M**

OEHT 06-MF





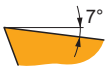
P	M	K	N	S	H
◪	■		◪	■	

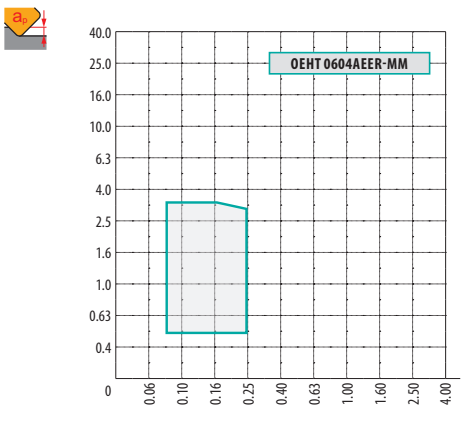
f ⇨ 0.08 – 0.20

a_p 0.5 – 3.3

? **OEHT 0604AEER-MF**

OEHT 06-MM





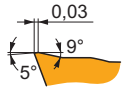
P	M	K	N	S	H
◪	■		◪	■	

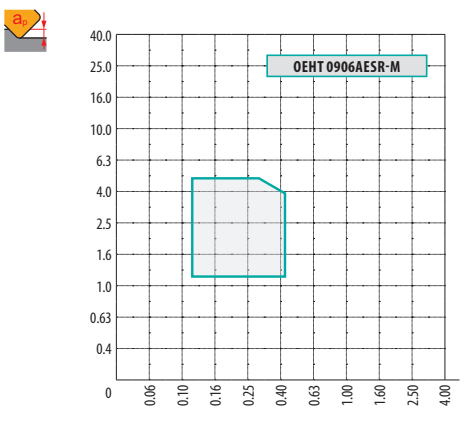
f ⇨ 0.08 – 0.25

a_p 0.5 – 3.3

? **OEHT 0604AEER-MM**

OEHT 09-M





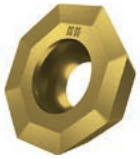
P	M	K	N	S	H
■	■			◪	

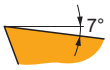
f ⇨ 0.12 – 0.45

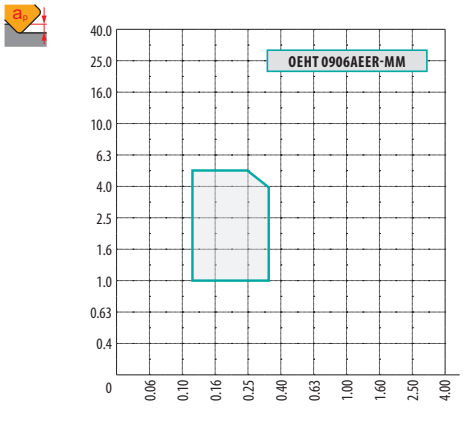
a_p 1.2 – 5.0

? **OEHT 0906AESR-M**

OEHT 09-MM







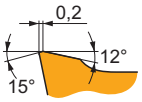
P	M	K	N	S	H
◪	■		◪	■	

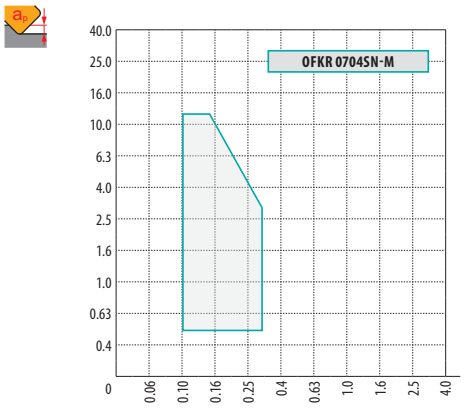
f ⇨ 0.12 – 0.35

a_p 1.0 – 5.0

OEHT 0906AEER-MM

OFKR 07-M





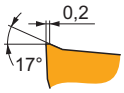
P	M	K	N	S	H
■	■	◪			

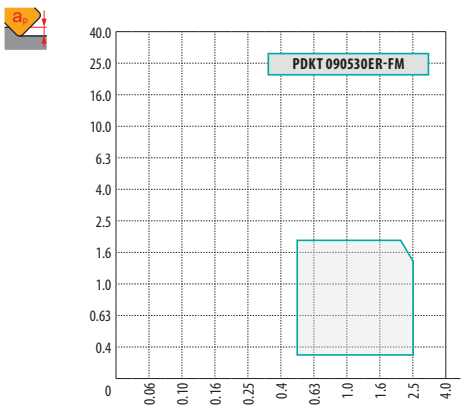
f ⇨ 0.1 – 0.3

a_p 0.5 – 12.0

OFKR 0704SN-M

PDKT 09-FM





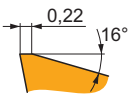
P	M	K	N	S	H
■	■	◪		■	

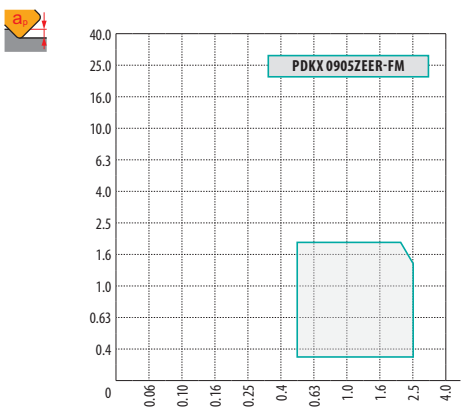
f ⇨ 0.50 – 2.50

a_p 0.3 – 2.0

PDKT 090530ER-FM

PDKX 09-FM





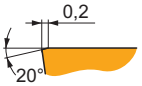
P	M	K	N	S	H
■	■	◪		■	

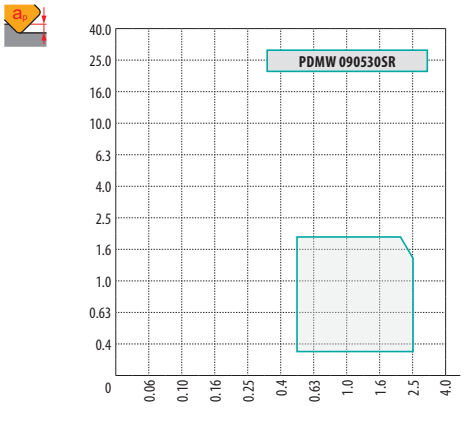
f ⇨ 0.50 – 2.50

a_p 0.3 – 2.0

PDKX 0905ZEER-FM

PDMW 09





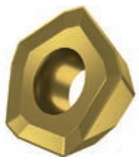
P	M	K	N	S	H
■		■			

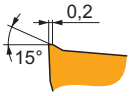
f 0.50 – 2.50

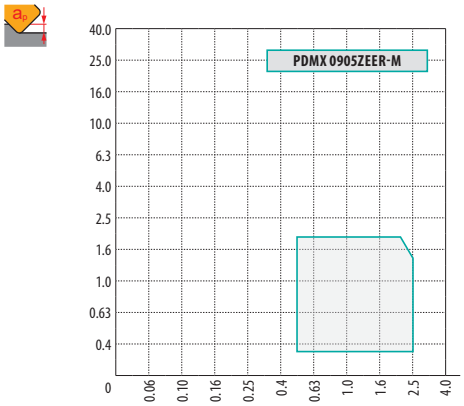
a_p 0.3 – 2.0

PDMW 090530SR

PDMX 09-M







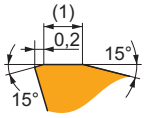
P	M	K	N	S	H
■	■	◪			

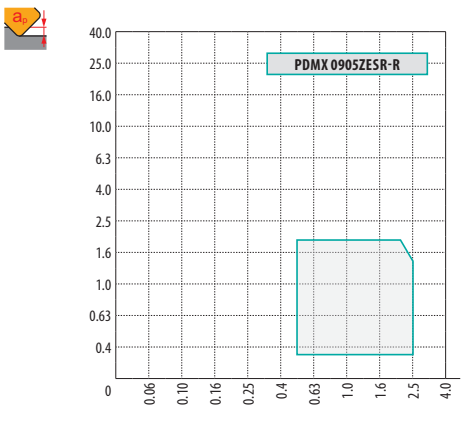
f 0.50 – 2.50

a_p 0.3 – 2.0

PDMX 0905ZEER-M

PDMX 09-R





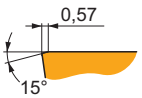
P	M	K	N	S	H
◪		■			

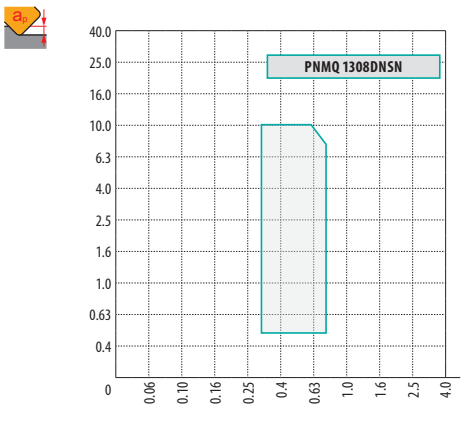
f 0.50 – 2.50

a_p 0.3 – 2.0

PDMX 0905ZESR-R

PNMQ 13





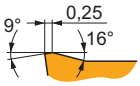
P	M	K	N	S	H
◪		■			

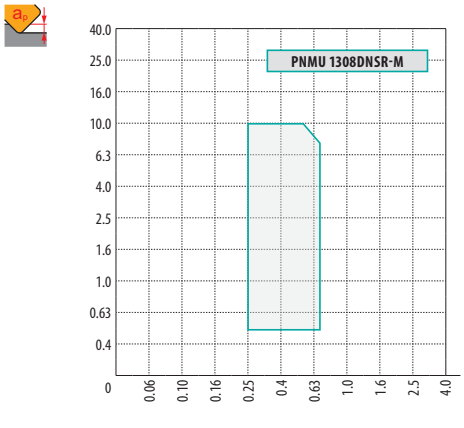
f 0.30 – 0.70

a_p 0.5 – 10.0

PNMQ 1308DNSN

PNMU 13-M





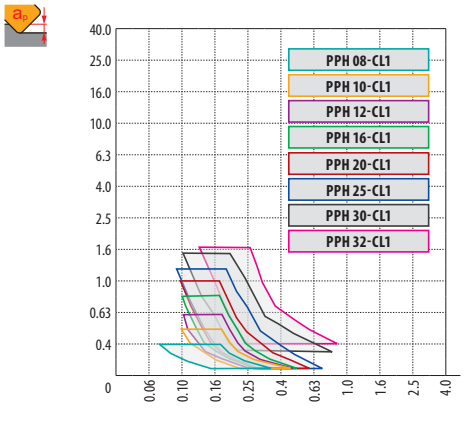
P	M	K	N	S	H
■	◪	■		◪	◪

f ⇨ 0.25 – 0.70

a_p 0.5 – 10.0

PNMU 1308DNSR-M

PPH -CL1



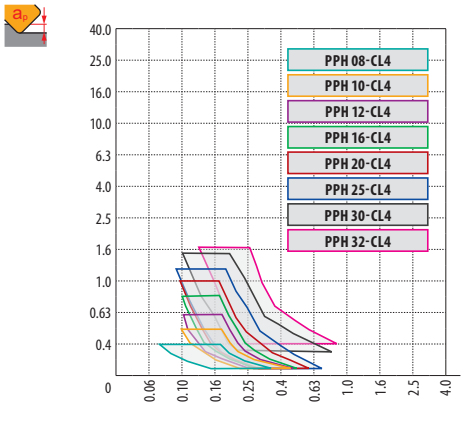
P	M	K	N	S	H
■	◪	■			◪

f ⇨ 0.05 – 0.60（依刀片尺寸而定）

a_p 0.1 – 3.2（依刀片尺寸而定）

PPH ..00-CL1

PPH -CL4



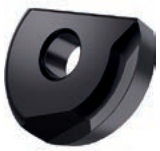
P	M	K	N	S	H
■		■			■

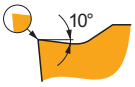
f ⇨ 0.05 – 0.60（依刀片尺寸而定）

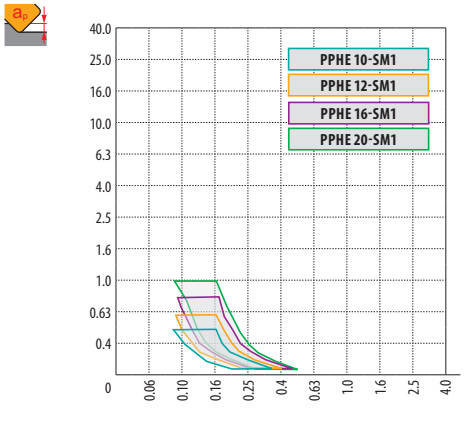
a_p 0.1 – 3.2（依刀片尺寸而定）

PPH ..00-CL4

PPHE -SM1







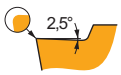
P	M	K	N	S	H
■	◪	■			■

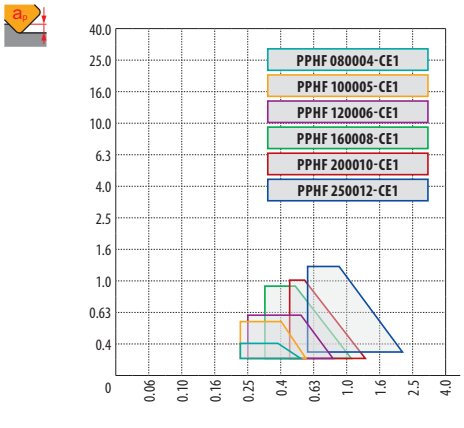
f ⇨ 0.05 – 0.50（依刀片尺寸而定）

a_p 0.1 – 2.0（依刀片尺寸而定）

PPHE ..00-SM1

PPHF -CE1





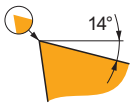
P	M	K	N	S	H
■	◪	■		◪	■

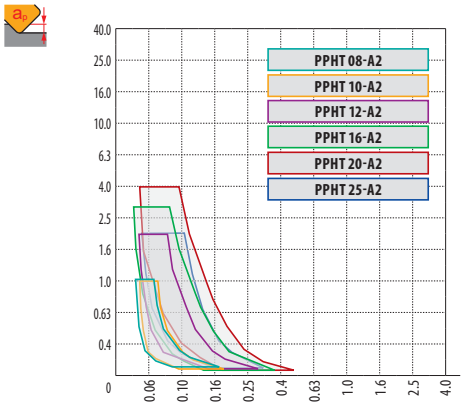
f ⇨ 0.20 – 1.50（依刀片尺寸而定）

a_p 0.1 – 1.2（依刀片尺寸而定）

PPHF 080004-CE1, PPHF 100005-CE1
PPHF 120006-CE1, PPHF 160008-CE1
PPHF 200010-CE1, PPHF 250012-CE1

PPHT-A2





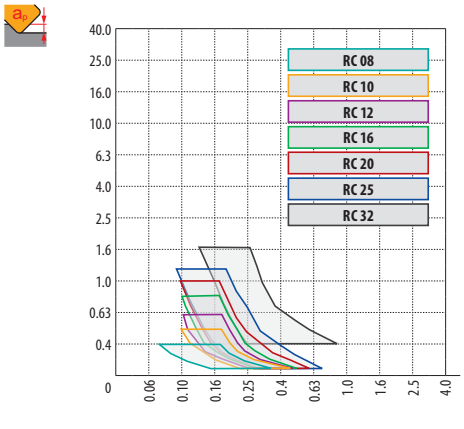
P	M	K	N	S	H
■	◪	■			■

f ⇨ 0.05 – 0.50（依刀片尺寸和半径而定）

a_p 0.1 – 4.0（依刀片尺寸和半径而定）

PPHT 08-A2, PPHT 10-A2
PPHT 12-A2, PPHT 16-A2
PPHT 20-A2, PPHT 25-A2

RC



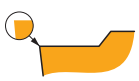
P	M	K	N	S	H
■		■			■

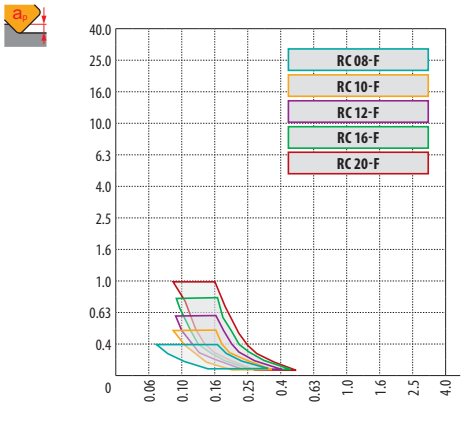
f ⇨ 0.10 – 0.60（依刀片尺寸而定）

a_p 0.3 – 3.2（依刀片尺寸而定）

RC 08, RC 10, RC 12, RC 16,
RC 20, RC 25, RC 32

RC -F





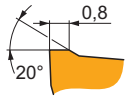
P	M	K	N	S	H
■	◪	■			■

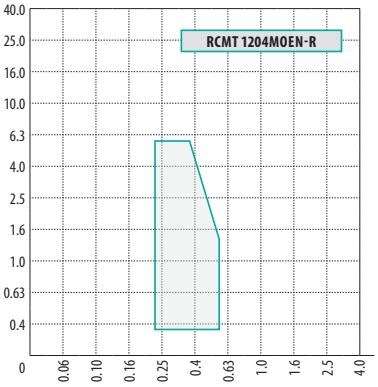
f ⇨ 0.05 – 0.60（依刀片尺寸而定）

a_p 0.3 – 3.2（依刀片尺寸而定）

RC 08-F, RC 10-F, RC 12-F
RC 16-F, RC 20-F

RCMT 12EN-R





P	M	K	N	S	H
■		■		◪	■

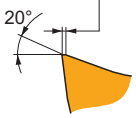
f ⇨ 0.20 – 0.50

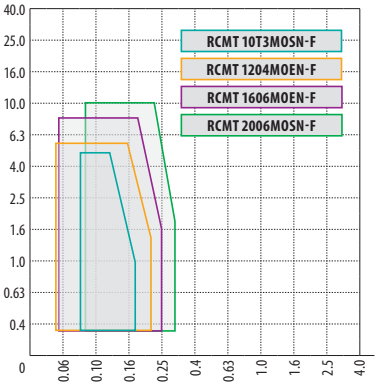
a_p 0.3 – 6.0

RCMT 1204M0EN-R

RCMT-F

RCMT 10	0.08
RCMT 12	–
RCMT 16	–
RCMT 20	0.25





P	M	K	N	S	H
■	■			■	

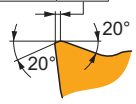
f ⇨ 0.05 – 0.30（依刀片尺寸而定）

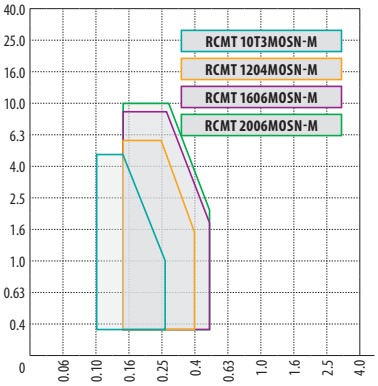
a_p 0.3 – 10.0（依刀片尺寸而定）

RCMT 10T3M0SN-F, RCMT 1204M0EN-F
RCMT 1606M0EN-F, RCMT 2006M0SN-F

RCMT-M

RCMT 10	0.10
RCMT 12	0.14
RCMT 16	0.13
RCMT 20	0.22





P	M	K	N	S	H
■	◪	■		■	

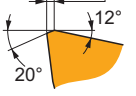
f ⇨ 0.10 – 0.45（依刀片尺寸而定）

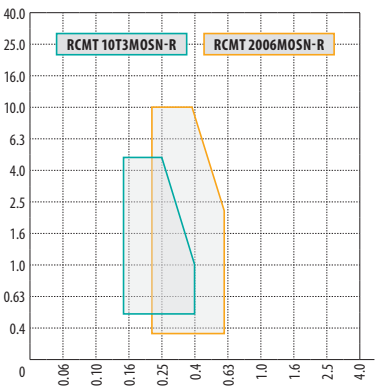
a_p 0.3 – 10.0（依刀片尺寸而定）

RCMT 10T3M0SN-M, RCMT 1204M0SN-M
RCMT 1606M0SN-M, RCMT 2006M0SN-M

RCMT-R

RCMT 10	0.15
RCMT 20	0.17





P	M	K	N	S	H
■		■		◪	■

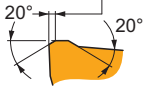
f ⇨ 0.15 – 0.60（依刀片尺寸而定）

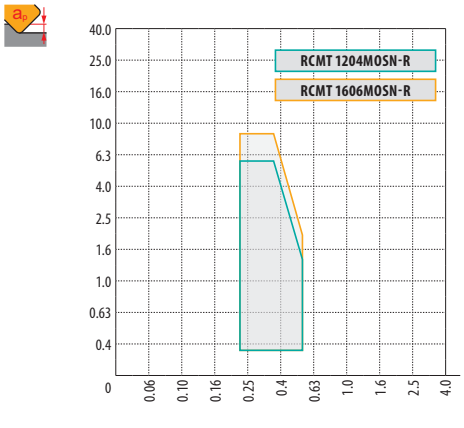
a_p 0.3 – 10.0（依刀片尺寸而定）

RCMT 10T3M0SN-R
RCMT 2006M0SN-R

RCMT SN-R

RCMT 12	0.20
RCMT 16	0.13

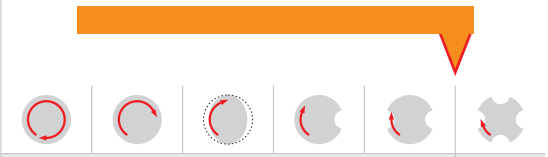




P	M	K	N	S	H
■		■		◪	■

f 0.15 – 0.60（依刀片尺寸而定）

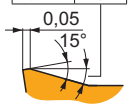
a_p 0.3 – 10.0（依刀片尺寸而定）

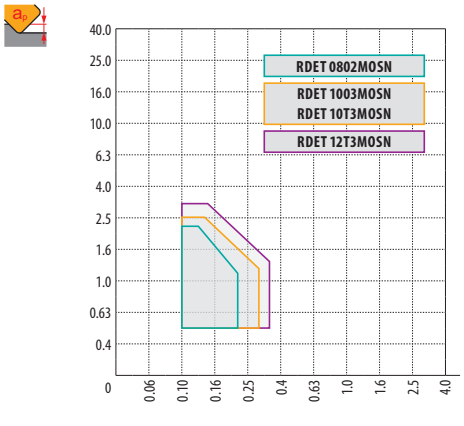


RCMT 1204MOSN-R
RCMT 1606MOSN-R

RDET

RDET 08	10°
RDET 10	15°
RDET 12	15°

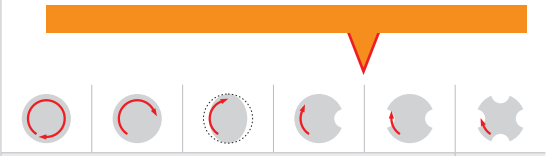




P	M	K	N	S	H
■	◪	■		◪	

f 0.10 – 0.35（依刀片尺寸而定）

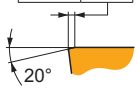
a_p 0.5 – 3.0（依刀片尺寸而定）

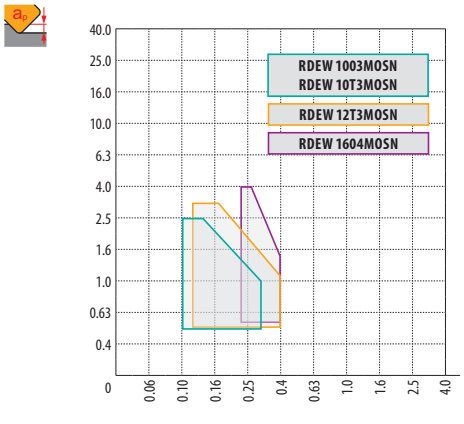


RDET 0802MOSN, RDET 1003MOSN
RDET 10T3MOSN, RDET 12T3MOSN

RDEW

RDEW 10	0.05
RDEW 12	0.15
RDEW 16	0.20

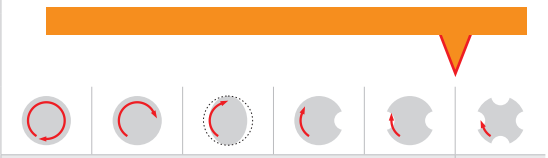




P	M	K	N	S	H
◪		■			■

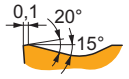
f 0.10 – 0.40（依刀片尺寸而定）

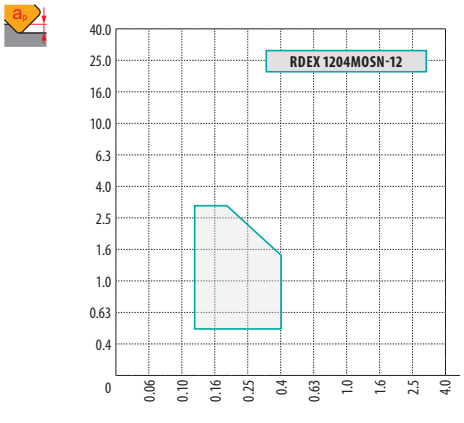
a_p 0.5 – 4.0（依刀片尺寸而定）



RDEW 1003MOSN, RDEW 10T3MOSN
RDEW 12T3MOSN, RDEW 1604MOSN

RDEX 12

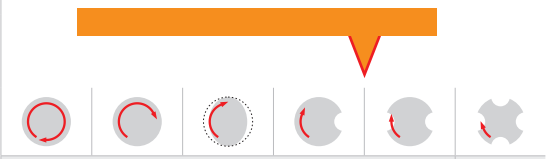




P	M	K	N	S	H
■	◪	■		◪	

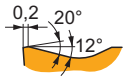
f 0.12 – 0.40

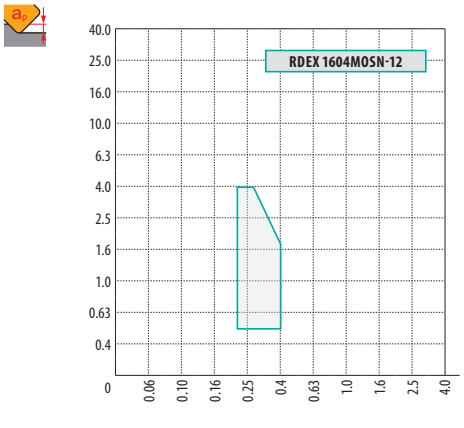
a_p 0.5 – 3.0



RDEX 1604MOSN-12

RDEX 16





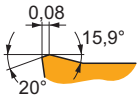
P	M	K	N	S	H
■	◪	■		◪	

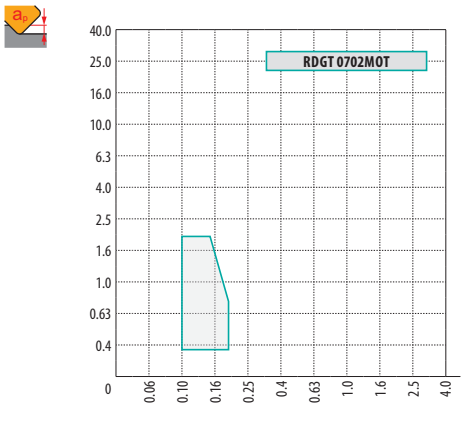
f 0.22 – 0.40

a_p 0.5 – 4.0

RDEX 1604MOSN-12

RDGT 07





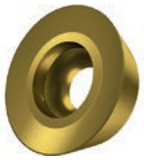
P	M	K	N	S	H
■	◪	■		◪	

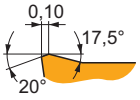
f 0.10 – 0.20

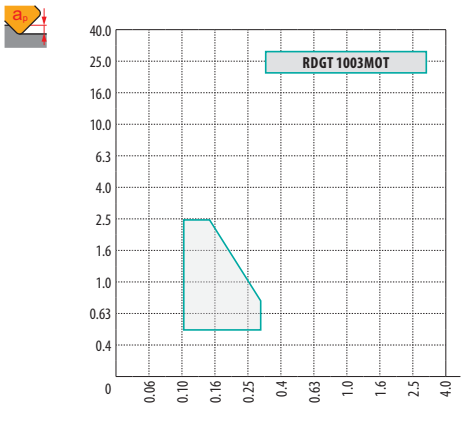
a_p 0.3 – 2.0

RDGT 0702MOT

RDGT 10







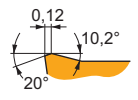
P	M	K	N	S	H
■	◪	■		◪	

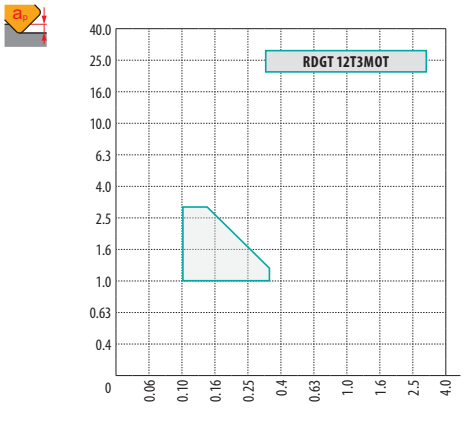
f 0.10 – 0.30

a_p 0.5 – 2.5

RDGT 1003MOT

RDGT 12





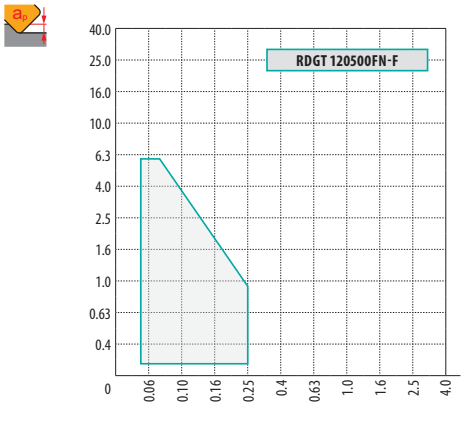
P	M	K	N	S	H
■	◪	■		◪	

f 0.10 – 0.35

a_p 1.0 – 3.0

RDGT 12T3MOT

RDGT 12-F



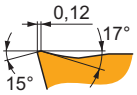
P	M	K	N	S	H
■	◪		◪		

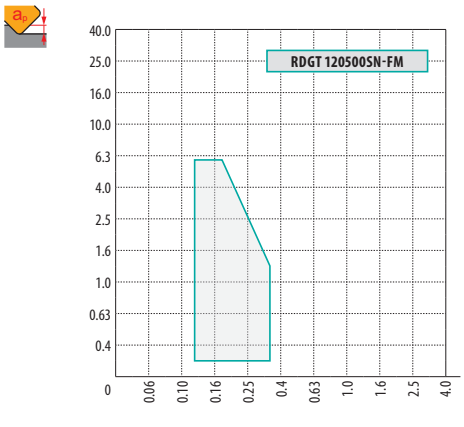
f ⇨ 0.05 – 0.25

a_p 0.2 – 6.0

RDGT 120500FN-F

RDGT 12-FM





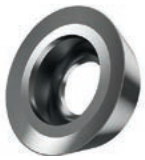
P	M	K	N	S	H
■	◪	◪			

f ⇨ 0.12 – 0.35

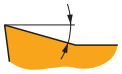
a_p 0.2 – 6.0

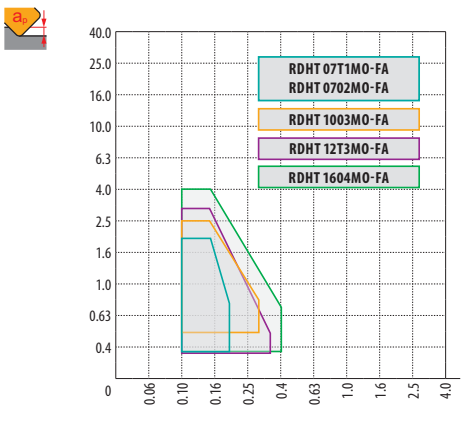
RDGT 120500SN-FM

RDHT -FA



RDHT 07	15.9°
RDHT 10	17.5°
RDHT 12	10.2°
RDHT 16	22.0°





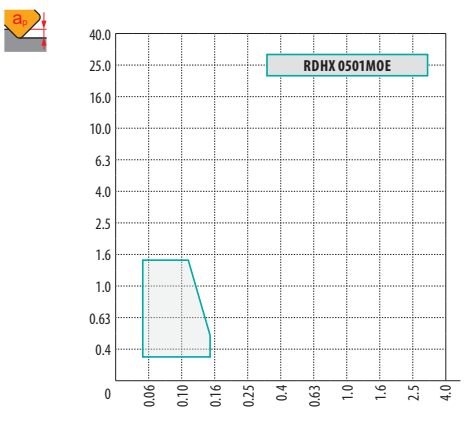
P	M	K	N	S	H
			■		

f ⇨ 0.10 – 0.40（依刀片尺寸而定）

a_p 0.3 – 4.0（依刀片尺寸而定）

RDHT 07T1MO-FA, RDHT 0702MO-FA
RDHT 1003MO-FA, RDHT 12T3MO-FA
RDHT 1604MO-FA

RDHX 05



P	M	K	N	S	H
◪		■			■

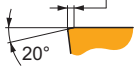
f ⇨ 0.05 – 0.15

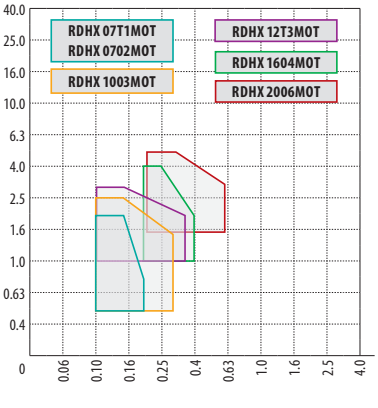
a_p 0.3 – 1.5

RDHX 0501MOE

RDHX MOT

RDHX 07	0.12
RDHX 10	0.15
RDHX 12	0.15
RDHX 16	0.20
RDHX 20	0.20





P	M	K	N	S	H
■		■			■

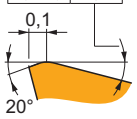
f 0.10 – 0.60（依刀片尺寸而定）

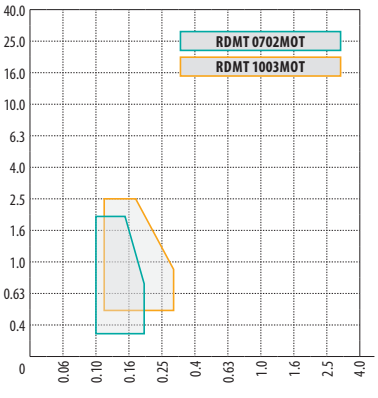
a_p 0.5 – 5.0（依刀片尺寸而定）

RDHX 07T1MOT, RDHX 0702MOT
RDHX 1003MOT, RDHX 12T3MOT
RDHX 1604MOT, RDHX 2006MOT

RDMT

RDMT 07	14°
RDMT 10	15°





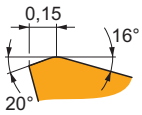
P	M	K	N	S	H
■	◪	■			

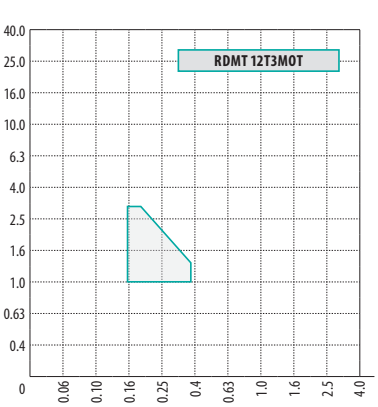
f 0.10 – 0.30（依刀片尺寸而定）

a_p 0.3 – 2.5（依刀片尺寸而定）

RDMT 0702MOT
RDMT 1003MOT

RDMT 12





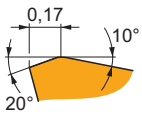
P	M	K	N	S	H
■	◪	■			

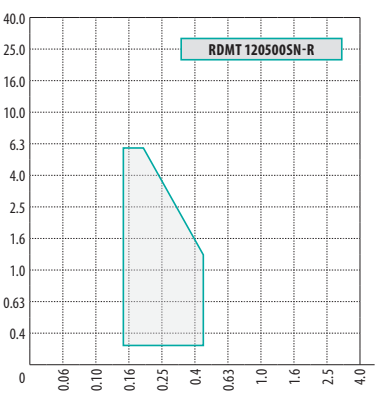
f 0.15 – 0.35

a_p 1.0 – 3.0

RDMT 12T3MOT

RDMT -R





P	M	K	N	S	H
■		■			

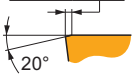
f 0.17 – 0.45

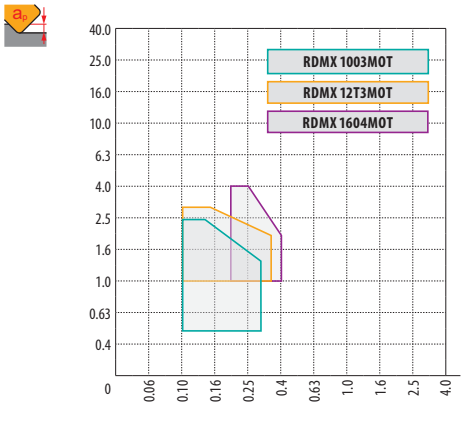
a_p 0.3 – 6.0

RDMT 120500SN-R

RDMX

RDMX 10	0.12
RDMX 12	0.15
RDMX 16	0.20





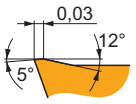
P	M	K	N	S	H
■		■			■

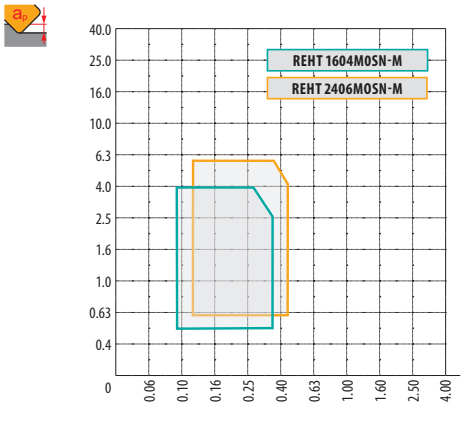
f 0.10 – 0.40（依刀片尺寸而定）

a_p 0.5 – 4.0（依刀片尺寸而定）

RDMX 1003M0T
RDMX 12T3M0T
RDMX 1604M0T

REHT -M





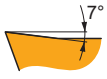
P	M	K	N	S	H
■	■			◪	

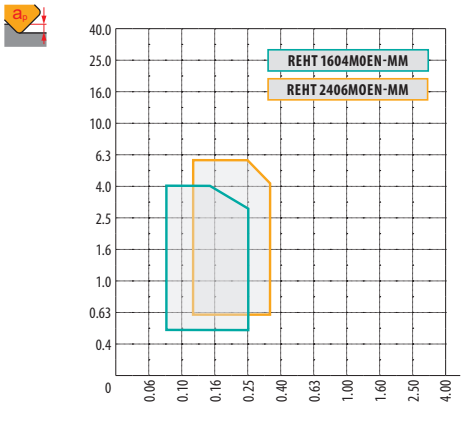
f 0.08 – 0.45（依刀片尺寸而定）

a_p 0.5 – 6.0（依刀片尺寸而定）

REHT 1604M0SN-M
REHT 2406M0SN-M

REHT -MM





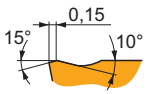
P	M	K	N	S	H
◪	■		◪	■	

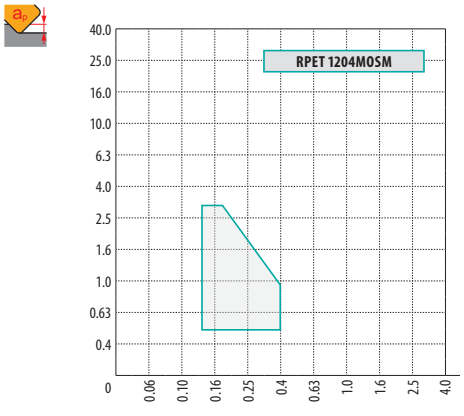
f 0.08 – 0.35（依刀片尺寸而定）

a_p 0.5 – 6.0（依刀片尺寸而定）

REHT 1604M0EN-MM
REHT 2406M0EN-MM

RPET 12





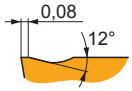
P	M	K	N	S	H
■	◪	◪		◪	

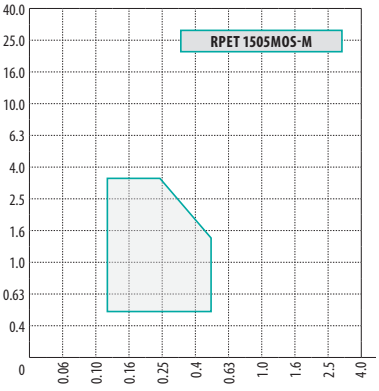
f 0.12 – 0.40

a_p 0.5 – 3.0

RPET 1204M0SM

RPET 15-M





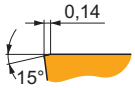
P	M	K	N	S	H
■	◪	◪		◪	

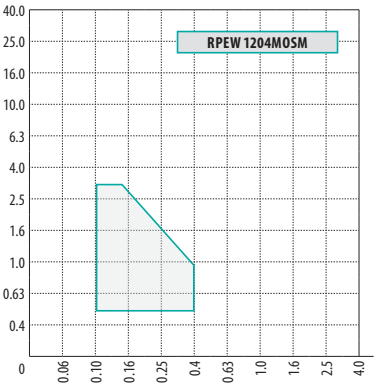
f 0.12 – 0.50

a_p 0.5 – 3.5

RPET 1505MOS-M

RPEW 12





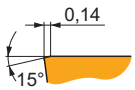
P	M	K	N	S	H
◪		■			■

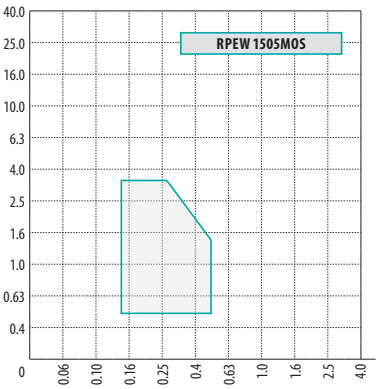
f 0.10 – 0.40

a_p 0.5 – 3.0

RPEW 1204MOSM

RPEW 15





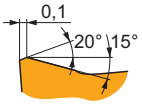
P	M	K	N	S	H
◪		■			■

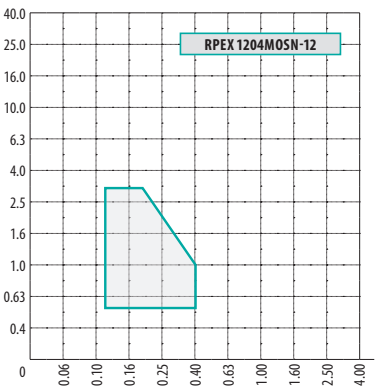
f 0.15 – 0.50

a_p 0.5 – 3.5

RPEW 1505MOS

RPEX -12





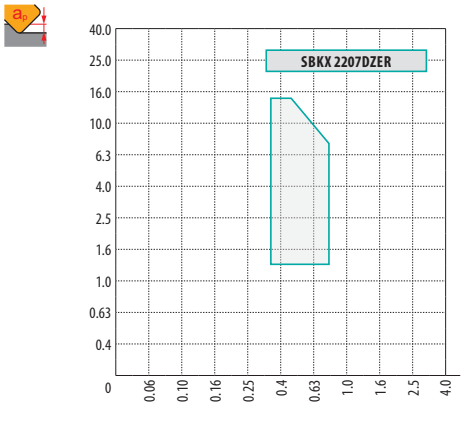
P	M	K	N	S	H
■	◪	■		◪	

f 0.12 – 0.40

a_p 0.5 – 3.0

RPEX 1204MOSN-12

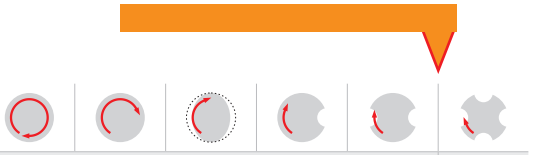
SBKX 22



P	M	K	N	S	H
■		■			

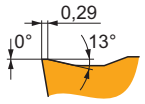
f 0.35 – 0.80

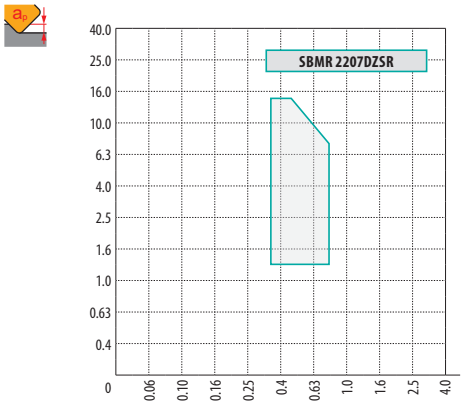
a_p 1.5 – 15.0



SBKX 2207DZER

SBMR 22

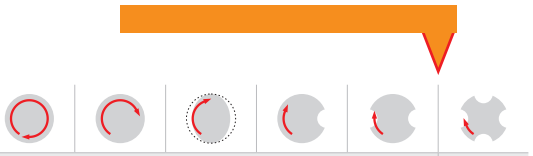




P	M	K	N	S	H
■	◪	■			

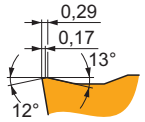
f 0.35 – 0.80

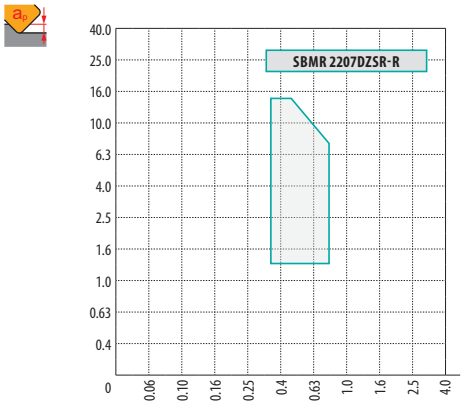
a_p 1.5 – 15.0



SBMR 2207DZSR

SBMR 22-R

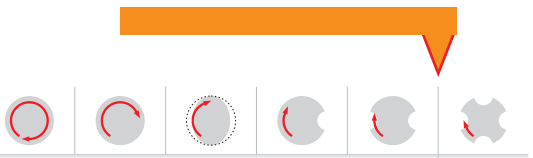




P	M	K	N	S	H
■	◪	■			

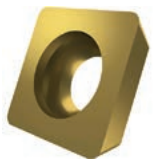
f 0.35 – 0.80

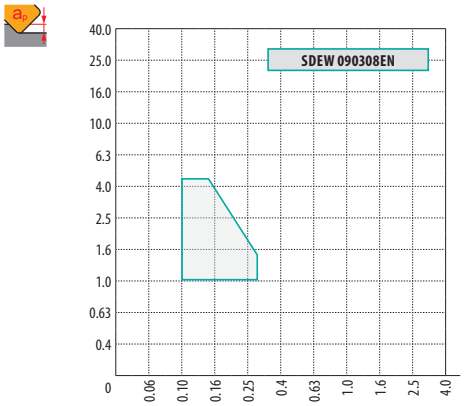
a_p 1.5 – 15.0



SBMR 2207DZSR-R

SDEW 09EN

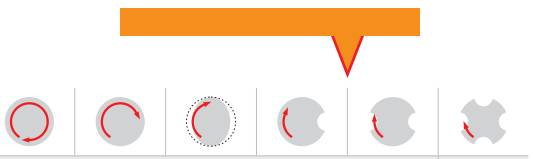




P	M	K	N	S	H
◪		■			◪

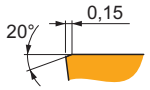
f 0.10 – 0.30

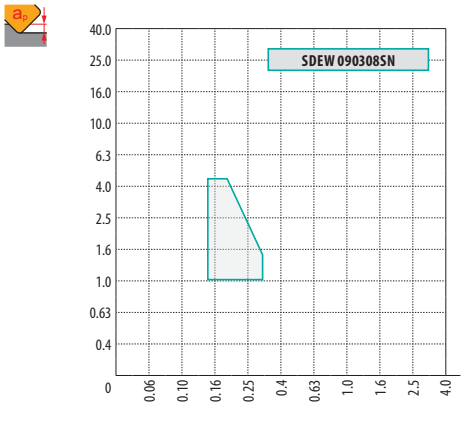
a_p 1.0 – 4.5



SDEW 090308EN

SDEW 09SN





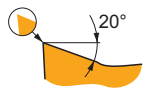
P	M	K	N	S	H
◪		■			◪

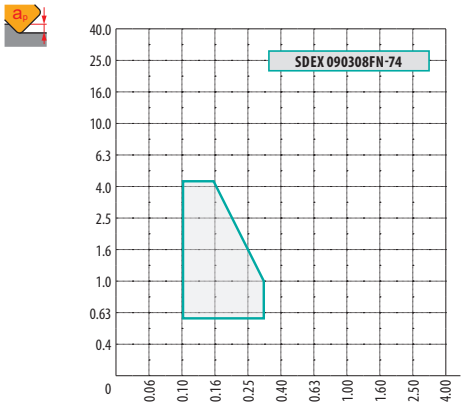
f ⇨ 0.15 – 0.30

a_p 1.0 – 4.5

SDEW 090308SN

SDEX 09-74





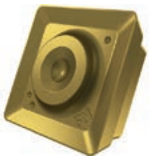
P	M	K	N	S	H
■	◪	◪		◪	

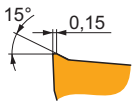
f ⇨ 0.10 – 0.30

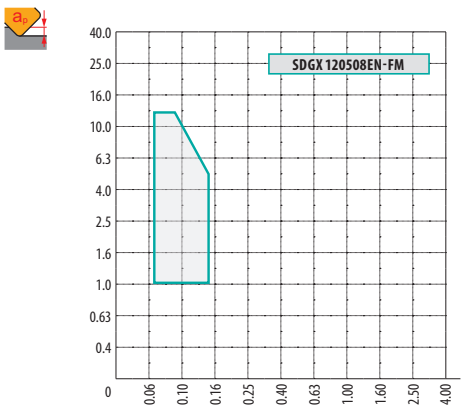
a_p 0.5 – 4.5

SDEX 090308FN-74

SDGX 12-FM







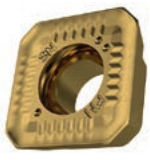
P	M	K	N	S	H
■	■			■	

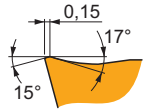
f ⇨ 0.07 – 0.15

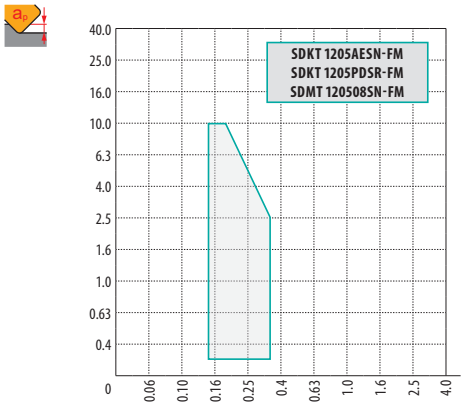
a_p 1.0 – 12.0

SDGX 120508EN-FM

SDK(M)T 12-FM (IM)







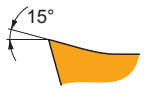
P	M	K	N	S	H
■	◪	◪			

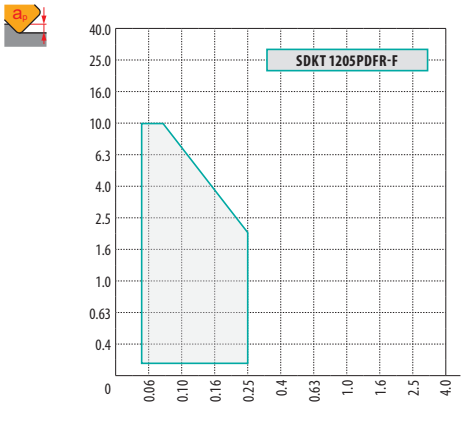
f ⇨ 0.15 – 0.35

a_p 0.2 – 10.0

SDKT 1205AESN-FM
SDKT 1205PDSR-FM
SDMT 120508SN-FM

SDKT 12-F (IM)





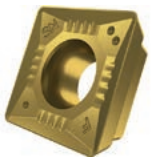
P	M	K	N	S	H
■	◪		◪		

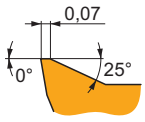
f ⇨ 0.05 – 0.25

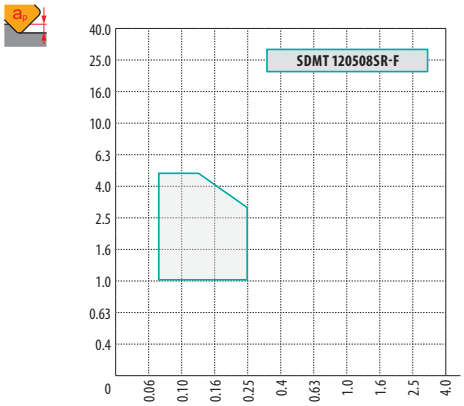
a_p 0.2 – 10.0

? **SDKT 1205PDFR-F**

SDMT 12-F







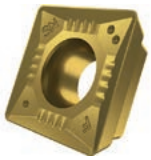
P	M	K	N	S	H
■	◪	◪	◪	◪	

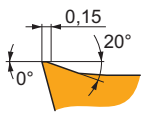
f ⇨ 0.07 – 0.25

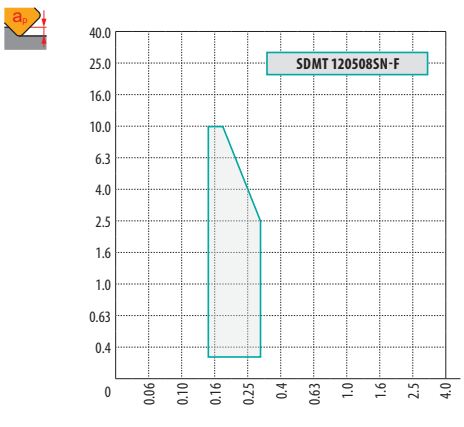
a_p 1.0 – 5.0

? **SDMT 120508SR-F**

SDMT 12-F (IM)







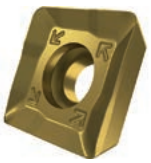
P	M	K	N	S	H
■	◪		◪		

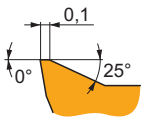
f ⇨ 0.15 – 0.30

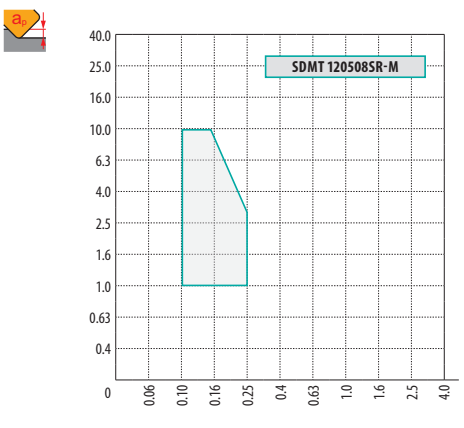
a_p 0.3 – 10.0

? **SDMT 120508SN-F**

SDMT 12-M







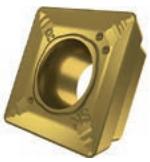
P	M	K	N	S	H
■	■	◪		◪	

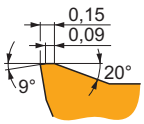
f ⇨ 0.10 – 0.25

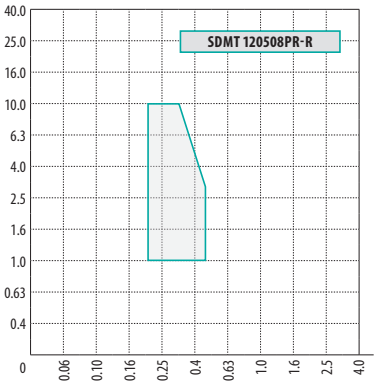
a_p 1.0 – 10.0

? **SDMT 120508SR-M**

SDMT 12-R







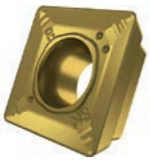
P	M	K	N	S	H
■	◪	■		◪	

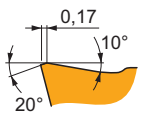
f ⇨ 0.20 – 0.45

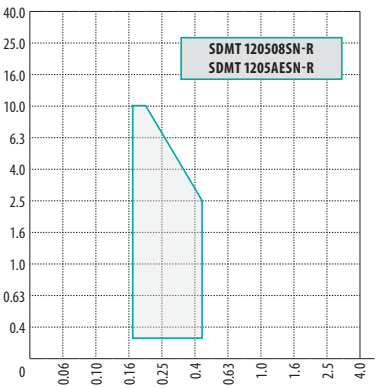
a_p 1.0 – 10.0

SDMT 120508PR-R

SDMT 12-R (IM)







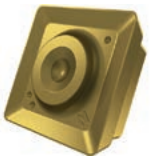
P	M	K	N	S	H
■		■			

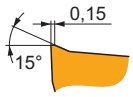
f ⇨ 0.17 – 0.45

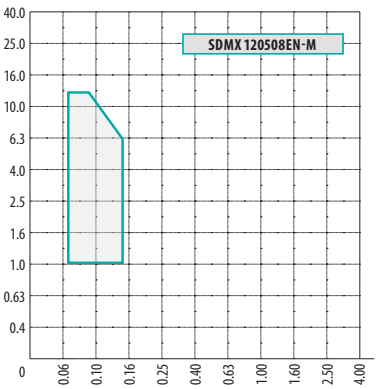
a_p 0.3 – 10.0

SDMT 120508SN-R
SDMT 1205AESN-R

SDMX 12-M







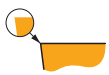
P	M	K	N	S	H
◪	■			■	

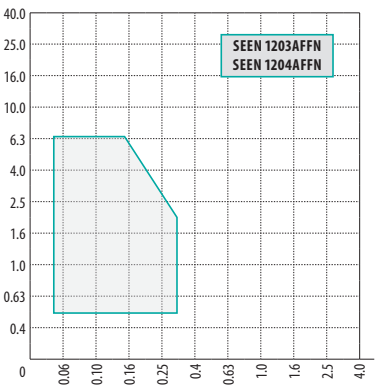
f ⇨ 0.07 – 0.15

a_p 1.0 – 12.0

SDMX 120508EN-M

SEEN 12FN





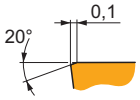
P	M	K	N	S	H
■	◪	◪			

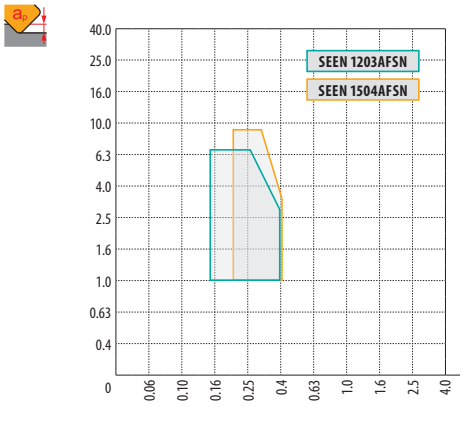
f ⇨ 0.05 – 0.40（依刀片尺寸而定）

a_p 0.5 – 6.5

SEEN 1203AFFN
SEEN 1204AFFN

SEEN SN





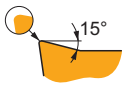
P	M	K	N	S	H
■		■			◪

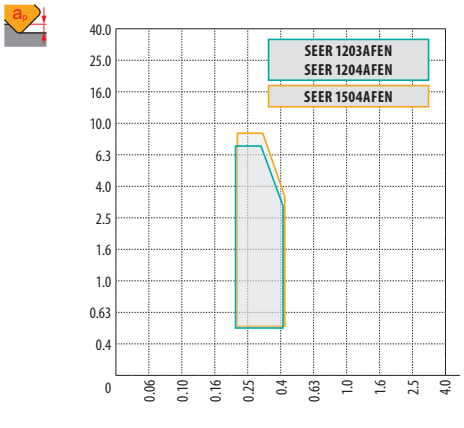
f 0.15 – 0.40（依刀片尺寸而定）

a_p 0.5 – 9.0（依刀片尺寸而定）

SEEN 1203AFSN
SEEN 1504AFSN

SEER EN





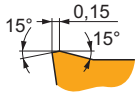
P	M	K	N	S	H
■	◪	■		◪	

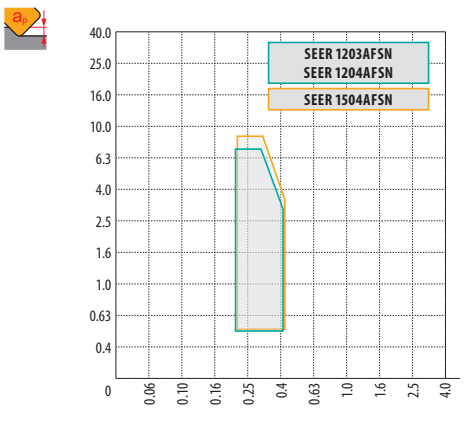
f 0.20 – 0.40（依刀片尺寸而定）

a_p 0.5 – 9.0（依刀片尺寸而定）

SEER 1203AFEN
SEER 1204AFEN
SEER 1504AFEN

SEER SN





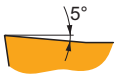
P	M	K	N	S	H
■	◪	■		◪	

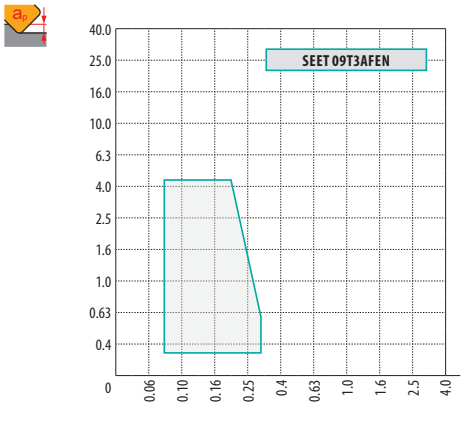
f 0.20 – 0.40（依刀片尺寸而定）

a_p 1.0 – 9.0（依刀片尺寸而定）

SEER 1203AFSN
SEER 1204AFSN
SEER 1504AFSN

SEET 09





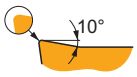
P	M	K	N	S	H
■	◪			◪	

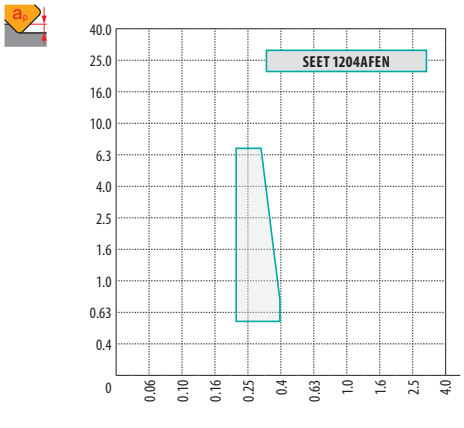
f 0.08 – 0.30

a_p 0.3 – 4.5

SEET 09T3AFEN

SEET 12EN





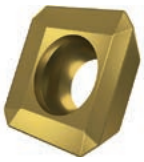
P	M	K	N	S	H
■	■	◪		◪	

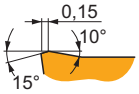
f ⇨ 0.20 – 0.40

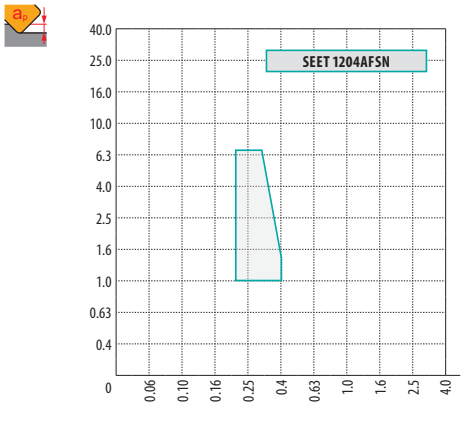
a_p 0.5 – 6.5

SEET 1204AFEN

SEET 12SN







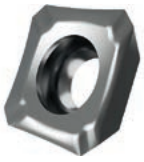
P	M	K	N	S	H
■	■	◪		◪	

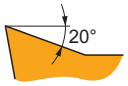
f ⇨ 0.20 – 0.40

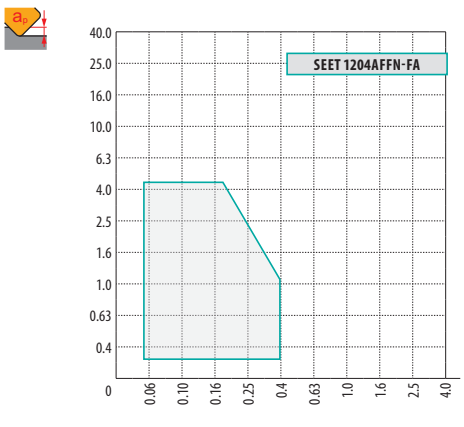
a_p 1.0 – 6.5

SEET 1204AFSN

SEET 12-FA







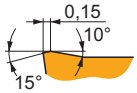
P	M	K	N	S	H
			■		

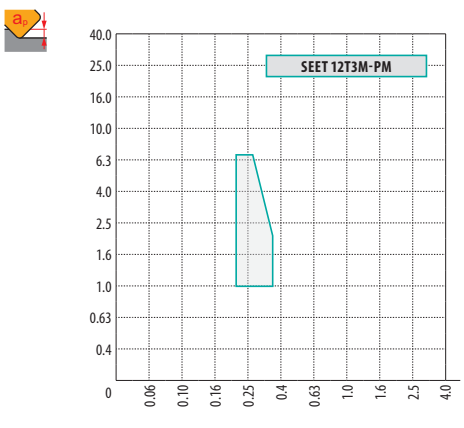
f ⇨ 0.05 – 0.40

a_p 0.2 – 4.5

SEET 1204AFFN-FA

SEET 12-PM





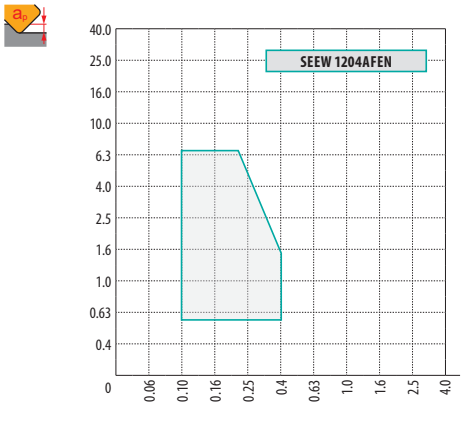
P	M	K	N	S	H
■	◪	■		◪	

f ⇨ 0.20 – 0.35

a_p 1.0 – 6.5

SEET 12T3M-PM

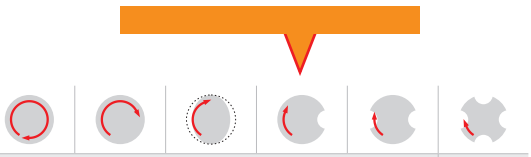
SEEW 12 EN



P	M	K	N	S	H
◪		◪			

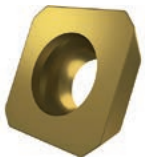
f ⇨ 0.10 – 0.40

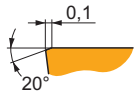
a_p 0.5 – 6.5

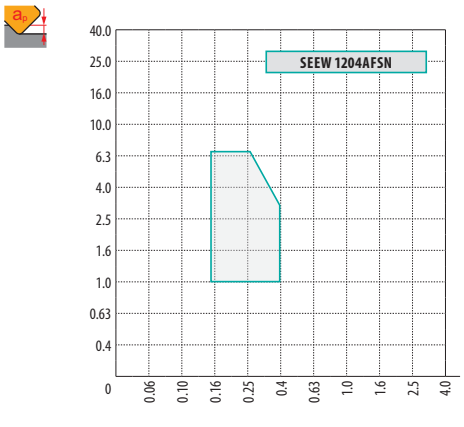


? **SEEW 1204AFEN**

SEEW 12 SN



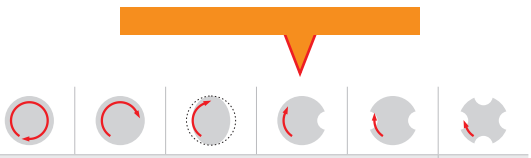




P	M	K	N	S	H
◪		■			◪

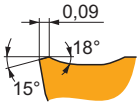
f ⇨ 0.15 – 0.40

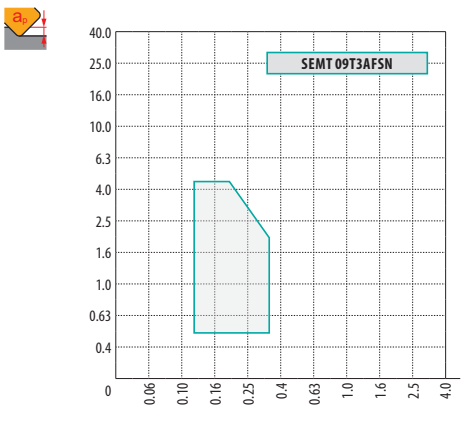
a_p 1.0 – 6.5



? **SEEW 1204AFSN**

SEMT 09

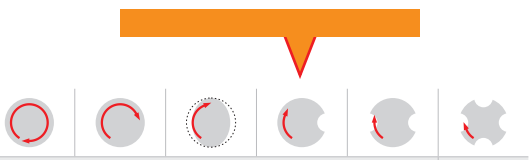




P	M	K	N	S	H
■	◪	■			

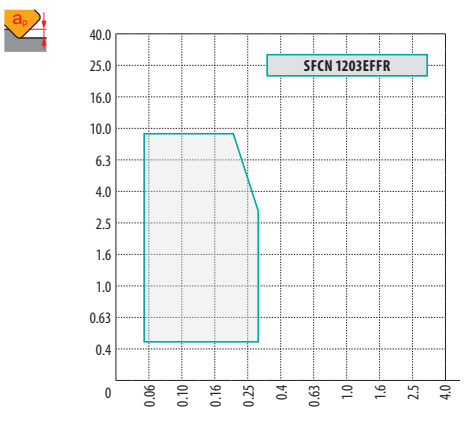
f ⇨ 0.12 – 0.35

a_p 0.5 – 4.5



? **SEMT 09T3AFSN**

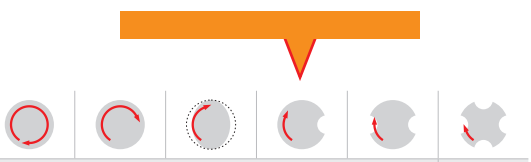
SFCN 12



P	M	K	N	S	H
			■		

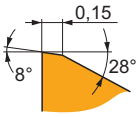
f ⇨ 0.05 – 0.30

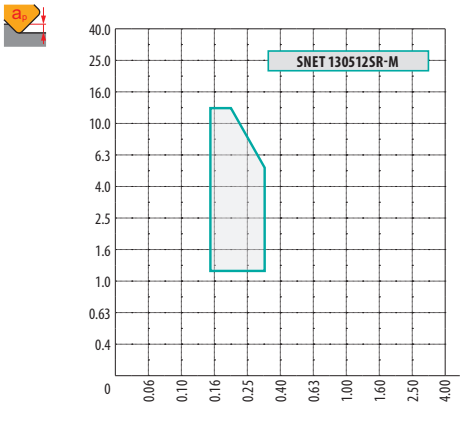
a_p 0.5 – 9.0



? **SFCN 1203EFFR**

SNET 13-M





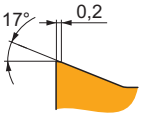
P	M	K	N	S	H
■		◪			

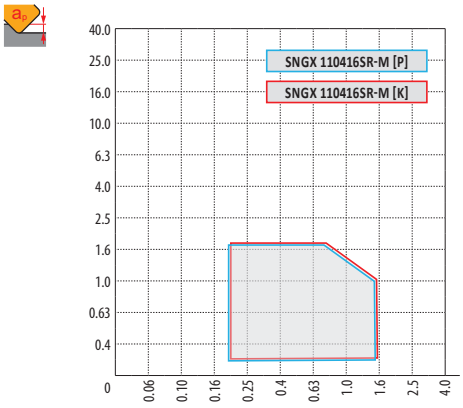
f ⇨ 0.15 – 0.35

a_p 1.2 – 12.0

SNET 130512SR-M

SNGX 11-M





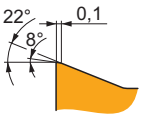
P	M	K	N	S	H
■		■			

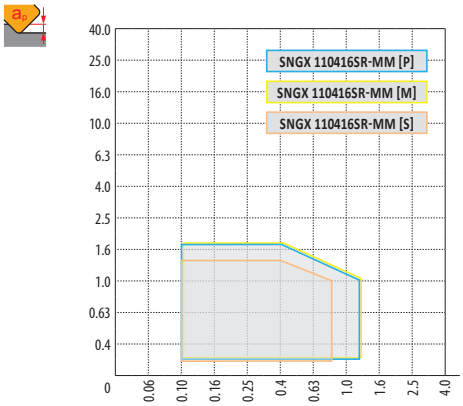
f ⇨ 0.20 – 1.50

a_p 0.2 – 1.7

SNGX 110416SR-M

SNGX 11-MM





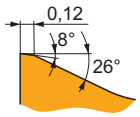
P	M	K	N	S	H
■	■			■	

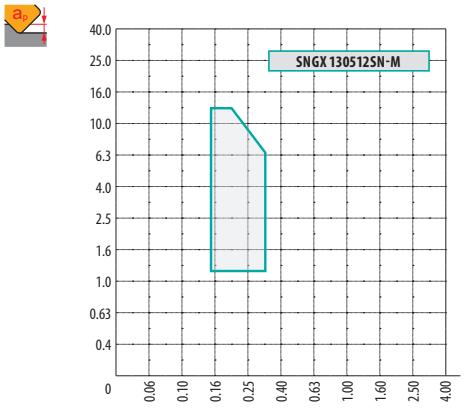
f ⇨ 0.10 – 1.20

a_p 0.2 – 1.7

SNGX 110416SR-MM

SNGX 13-M





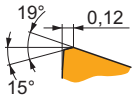
P	M	K	N	S	H
■		◪			

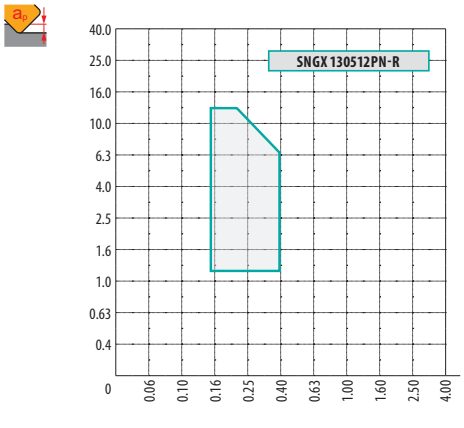
f ⇨ 0.15 – 0.35

a_p 1.2 – 12.0

SNGX 130512SN-M

SNGX 13-R





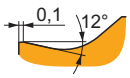
P	M	K	N	S	H
■		■			

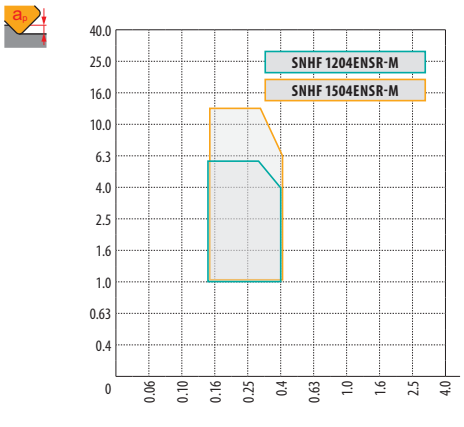
f ⇨ 0.15 – 0.40

a_p 1.2 – 12.0

SNGX 130512PN-R

SNHF -M





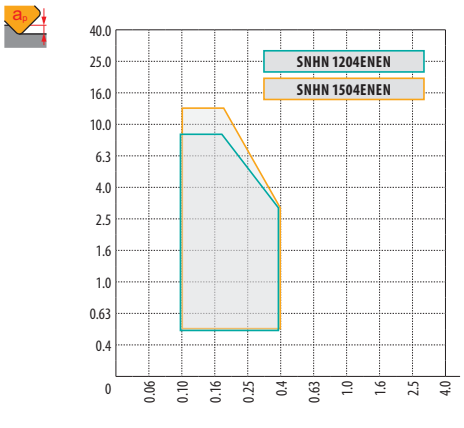
P	M	K	N	S	H
■		◪			

f ⇨ 0.15 – 0.40

a_p 1.0 – 13.5（依刀片尺寸而定）

SNHF 1204ENSR-M
SNHF 1504ENSR-M

SNHN



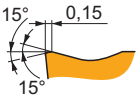
P	M	K	N	S	H
◪		■			◪

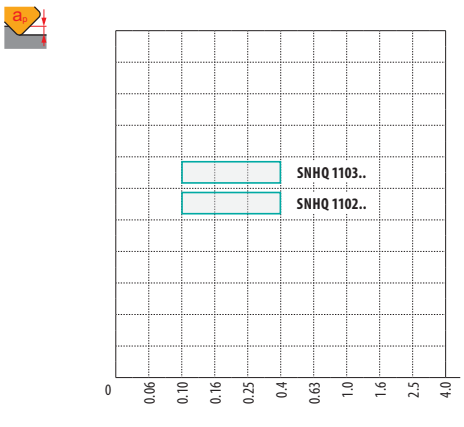
f ⇨ 0.10 – 0.40

a_p 0.5 – 13.5（依刀片尺寸而定）

SNHN 1204ENEN
SNHN 1504ENEN

SNHQ 11





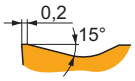
P	M	K	N	S	H
■	◪	■			

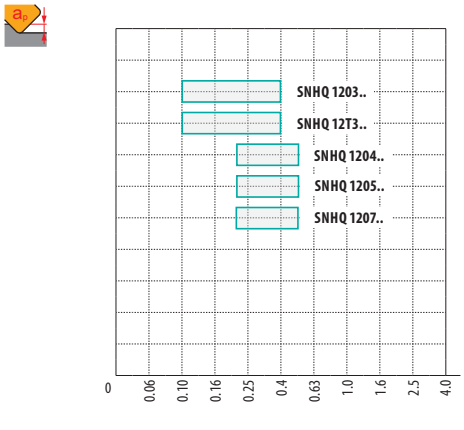
f ⇨ 0.10 – 0.40

a_p –

SNHQ 110.AZTN

SNHQ 12TN





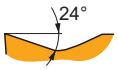
P	M	K	N	S	H
■	◪	■			

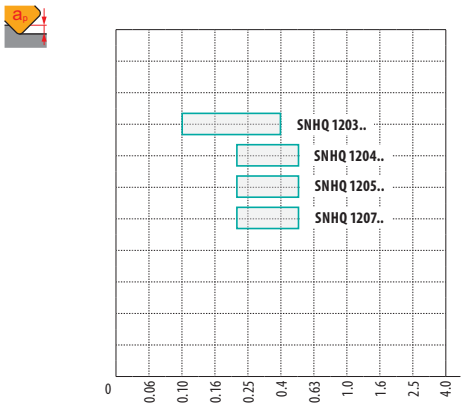
f ⇨ 0.10 – 0.50（依刀片类型而定）

a_p –

SNHQ 1203AZTN, SNHQ 12T3AZTN
SNHQ 1204AZTN, SNHQ 1205AZTN
SNHQ 1207AZTN

SNHQ 12EN





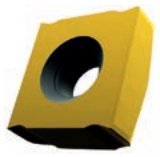
P	M	K	N	S	H
■	◪	■			

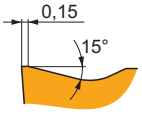
f ⇨ 0.10 – 0.50（依刀片类型而定）

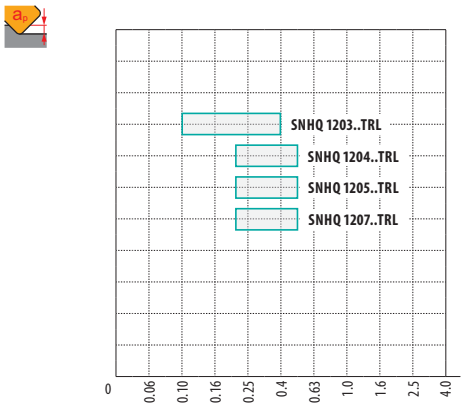
a_p –

SNHQ 1203AZEN, SNHQ 1204AZEN
SNHQ 1205AZEN, SNHQ 1207AZEN

SNHQ 12TRL







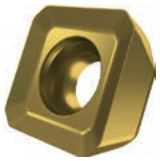
P	M	K	N	S	H
■	◪	◪			

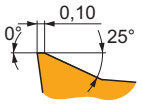
f ⇨ 0.10 – 0.50（依刀片类型而定）

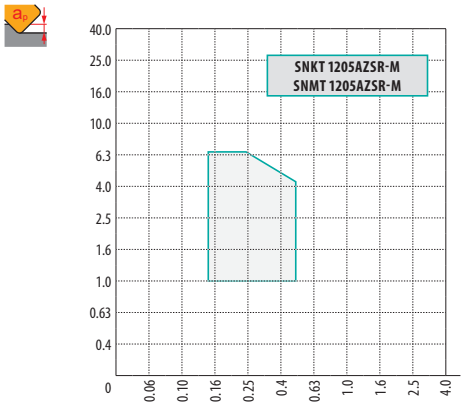
a_p –

SNHQ 1203..TRL, SNHQ 1204..TRL
SNHQ 1205..TRL, SNHQ 1207..TRL

SNK(M)T 12-M







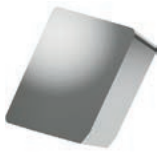
P	M	K	N	S	H
■	■	◪		◪	

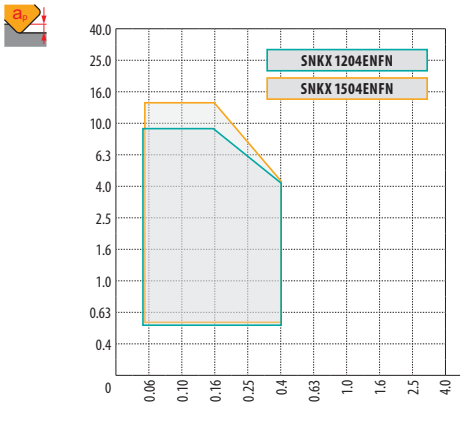
f ⇨ 0.15 – 0.50

a_p 1.0 – 6.5

SNKT 1205AZSR-M
SNMT 1205AZSR-M

SNKX





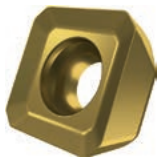
P	M	K	N	S	H
■		■			

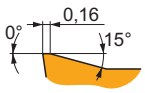
f 0.05 – 0.40

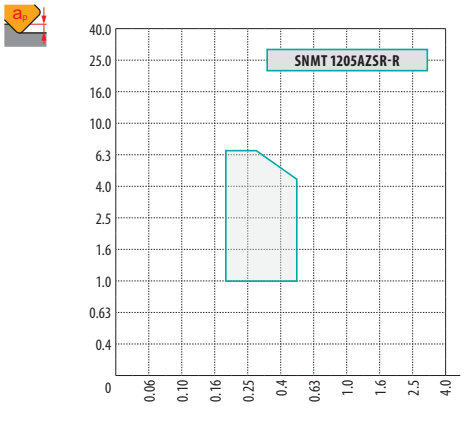
a_p 0.5 – 13.5（依刀片尺寸而定）

SNKX 1204ENFN
SNKX 1504ENFN

SNMT 12-R







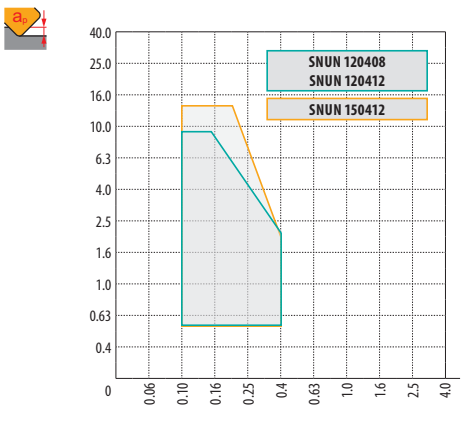
P	M	K	N	S	H
■	◪	◪		◪	

f 0.18 – 0.50

a_p 1.0 – 6.5

SNMT 1205AZSR-R

SNUN



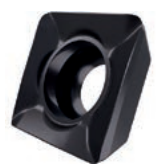
P	M	K	N	S	H
◪		■			◪

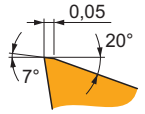
f 0.10 – 0.40

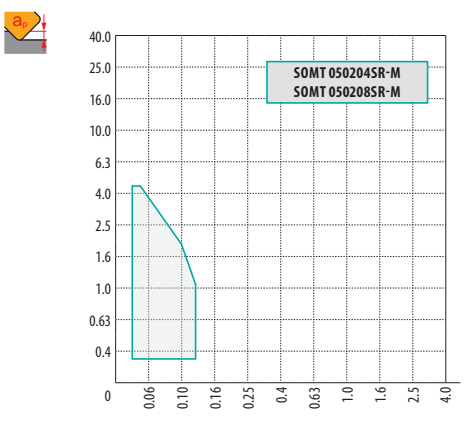
a_p 0.5 – 13.5（依刀片尺寸而定）

SNUN 120408
SNUN 120412
SNUN 150412

SOMT 05-M







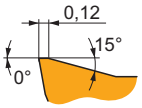
P	M	K	N	S	H
■	■	◪		◪	

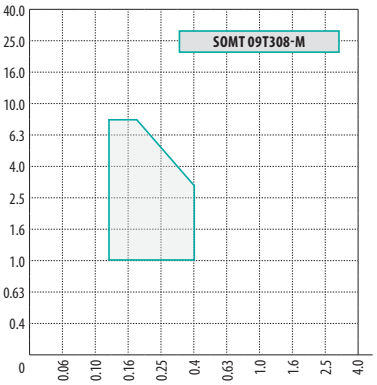
f 0.03 – 0.12

a_p 0.4 – 4.5

SOMT 050204SR-M
SOMT 050208SR-M

SOMT 09-M





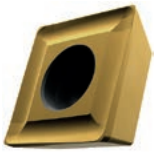
P	M	K	N	S	H
■	■	◪		◪	

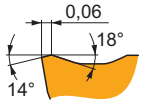
f ⇨ 0.12 – 0.40

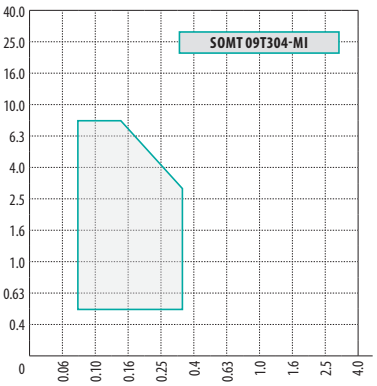
a_p 1.0 – 8.0

SOMT 09T308-M

SOMT 09-MI







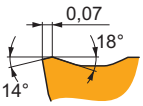
P	M	K	N	S	H
■	■	◪		◪	

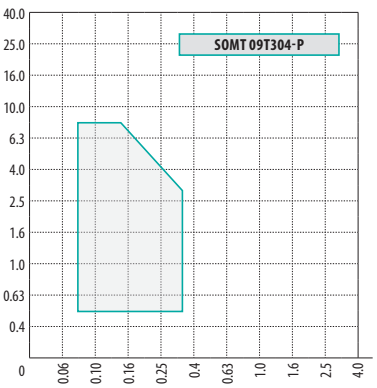
f ⇨ 0.08 – 0.35

a_p 0.5 – 8.0

SOMT 09T304-MI

SOMT 09-P





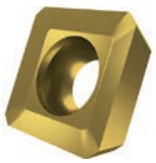
P	M	K	N	S	H
■	◪	◪		◪	

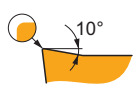
f ⇨ 0.08 – 0.35

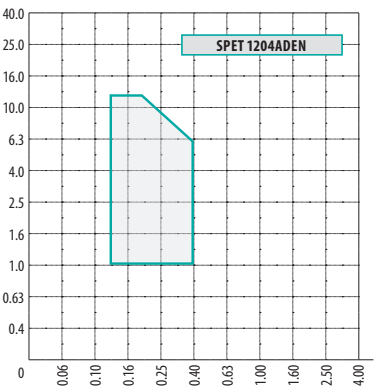
a_p 0.5 – 8.0

SOMT 09T304-P

SPET 12EN







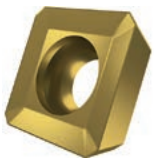
P	M	K	N	S	H
■	◪	■		◪	

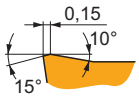
f ⇨ 0.12 – 0.40

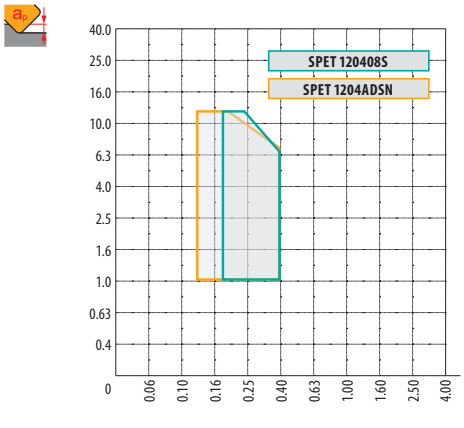
a_p 1.0 – 12.0

SPET 1204ADEN

SPET 12S



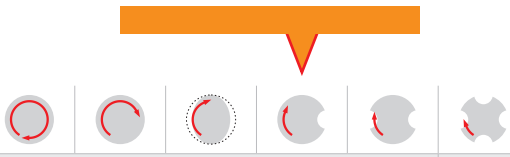




P	M	K	N	S	H
■	◪	■		◪	

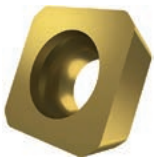
f 0.12 – 0.40（依刀片类型而定）

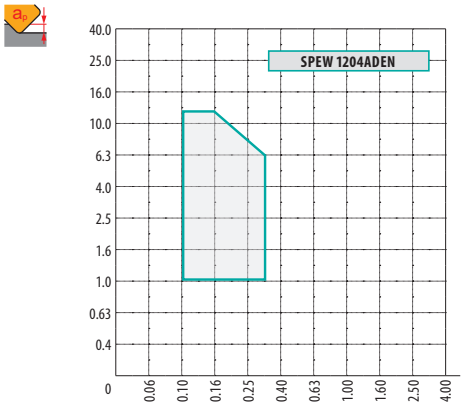
a_p 1.0 – 12.0



SPET 120408S
SPET 1204ADSN

SPEW 12EN

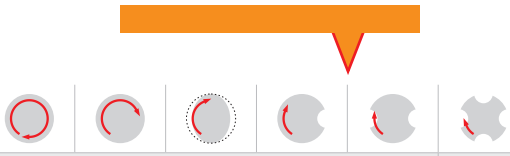




P	M	K	N	S	H
◪		■			◪

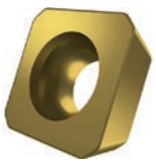
f 0.10 – 0.35

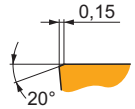
a_p 1.0 – 12.0

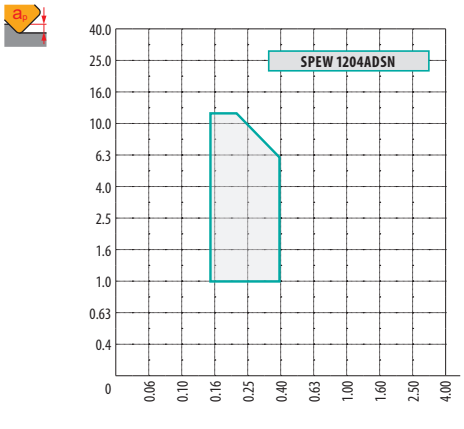


SPEW 1204ADEN

SPEW 12SN



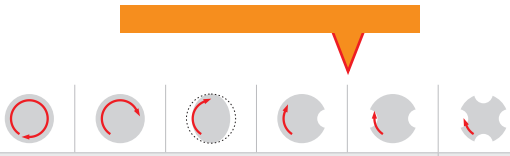




P	M	K	N	S	H
◪		■			◪

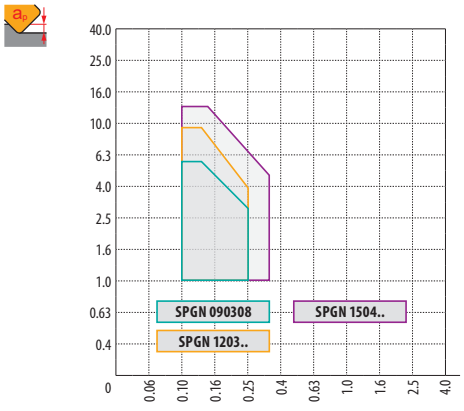
f 0.15 – 0.40

a_p 1.0 – 12.0



SPEW 1204ADSN

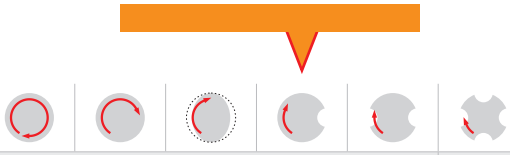
SPGN



P	M	K	N	S	H
■		■			

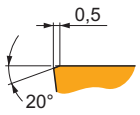
f 0.10 – 0.35（依刀片尺寸而定）

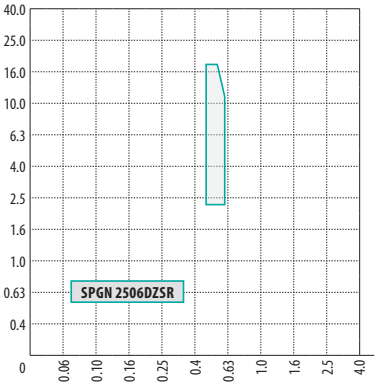
a_p 0.5 – 13.5（依刀片尺寸而定）



SPGN 090308
SPGN 1203..
SPGN 1504..

SPGN DZ





P	M	K	N	S	H
■		■			

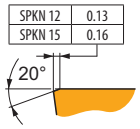
f 0.45 – 0.60

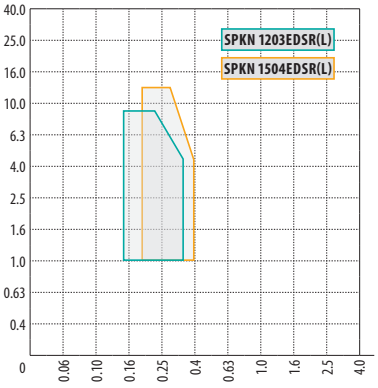
a_p 2.0 – 18.0

SPGN 2506DZSR

SPKN EDSR(L)

SPKN 12	0.13
SPKN 15	0.16





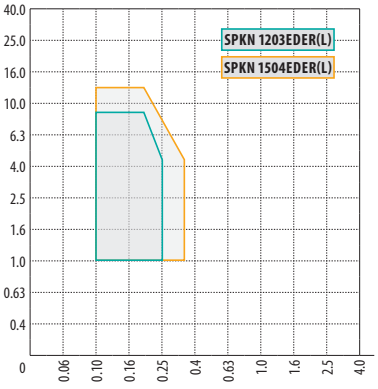
P	M	K	N	S	H
◪		■			◪

f 0.15 – 0.40（依刀片尺寸而定）

a_p 1.0 – 13.0（依刀片尺寸而定）

SPKN 1203EDSR(L)
SPKN 1504EDSR(L)

SPKN EDER(L)



P	M	K	N	S	H
◪		■			◪

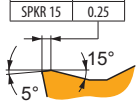
f 0.10 – 0.35（依刀片尺寸而定）

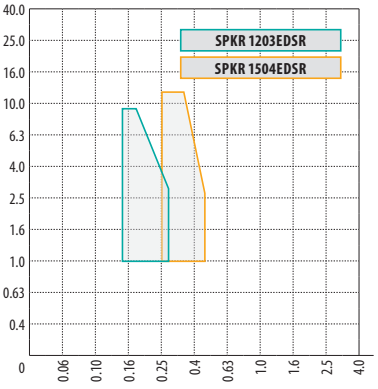
a_p 1.0 – 13.0（依刀片尺寸而定）

SPKN 1203EDER(L)
SPKN 1504EDER(L)

SPKR

SPKR 12	0.13
SPKR 15	0.25





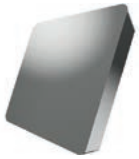
P	M	K	N	S	H
■	◪	■			

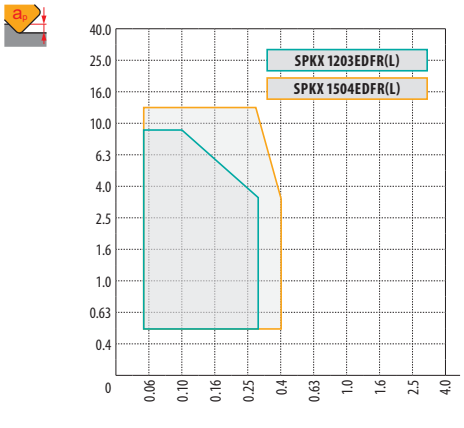
f 0.15 – 0.45（依刀片尺寸而定）

a_p 1.0 – 12.0（依刀片尺寸而定）

SPKR 1203EDSR
SPKR 1504EDSR

SPKX





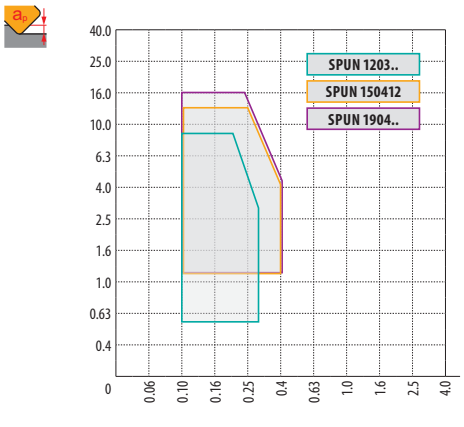
P	M	K	N	S	H
■		■			

f 0.05 – 0.40（依刀片尺寸而定）

a_p 0.5 – 13.0（依刀片尺寸而定）

SPKX 1203EDFR(L)
SPKX 1504EDFR(L)

SPUN



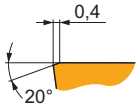
P	M	K	N	S	H
■		◪			

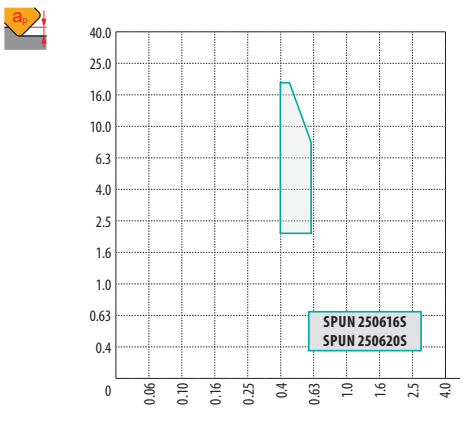
f 0.10 – 0.40（依刀片尺寸而定）

a_p 0.5 – 16.0（依刀片尺寸而定）

SPUN 1203..
SPUN 150412
SPUN 1904..

SPUN 25





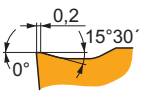
P	M	K	N	S	H
■		◪			

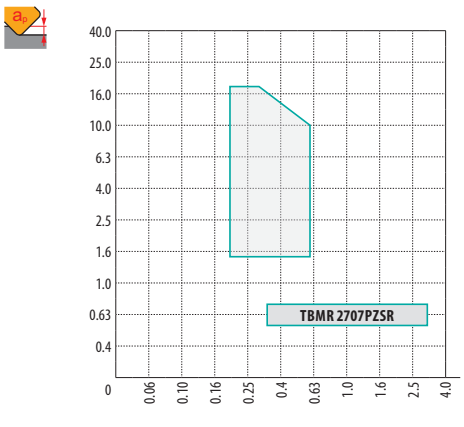
f 0.4 – 0.6

a_p 2.0 – 18.0

SPUN 250616S
SPUN 250620S

TBMR 27





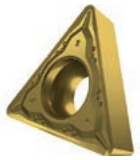
P	M	K	N	S	H
■	◪	■		◪	

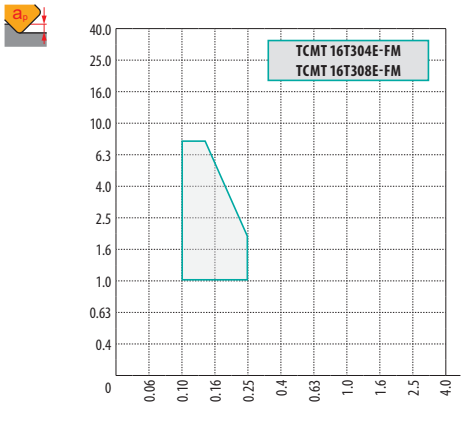
f 0.20 – 0.60

a_p 1.5 – 18.0

TBMR 2707PZSR

TCMT 16-FM





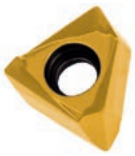
P	M	K	N	S	H
■	■	◪			

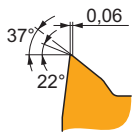
f ⇨ 0.10 – 0.25

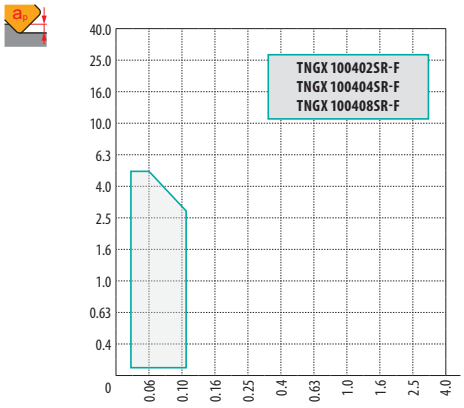
a_p 1.0 – 8.5

TCMT 16T304E-FM
TCMT 16T308E-FM

TNGX 10-F







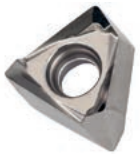
P	M	K	N	S	H
■	◪	◪			

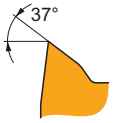
f ⇨ 0.3 – 0.11

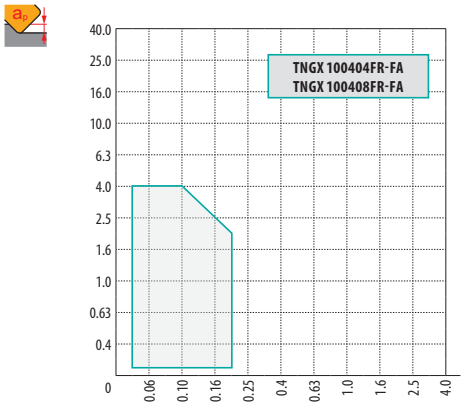
a_p 0.1 – 5.0

TNGX 100402SR-F
TNGX 100404SR-F
TNGX 100408SR-F

TNGX 10-FA







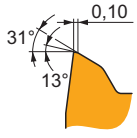
P	M	K	N	S	H
			■		

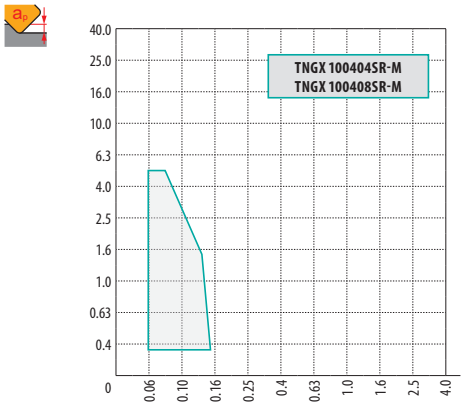
f ⇨ 0.03 – 0.20

a_p 0.1 – 4.0

TNGX 100404FR-FA
TNGX 100408FR-FA

TNGX 10-M





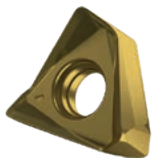
P	M	K	N	S	H
■	◪	◪		◪	

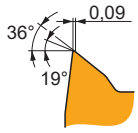
f ⇨ 0.05 – 0.15

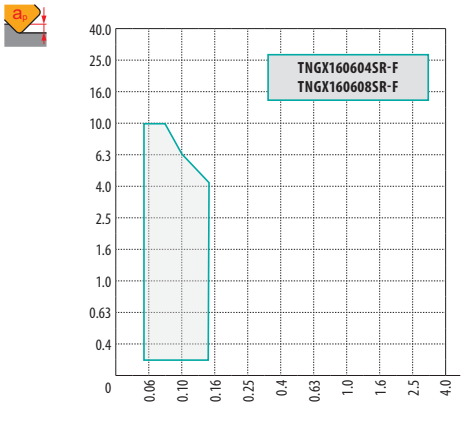
a_p 0.3 – 5.0

TNGX 100404SR-M
TNGX 100408SR-M

TNGX 16-F







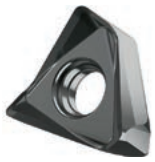
P	M	K	N	S	H
■	◪	◪			

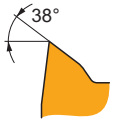
f ⇨ 0.05 – 0.15

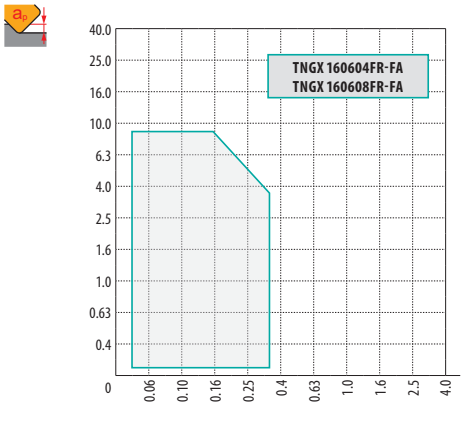
a_p 0.2 – 10.0

TNGX160604SR-F
TNGX160608SR-F

TNGX 16-FA







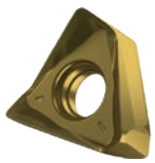
P	M	K	N	S	H
			■		

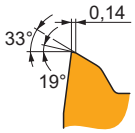
f ⇨ 0.03 – 0.36

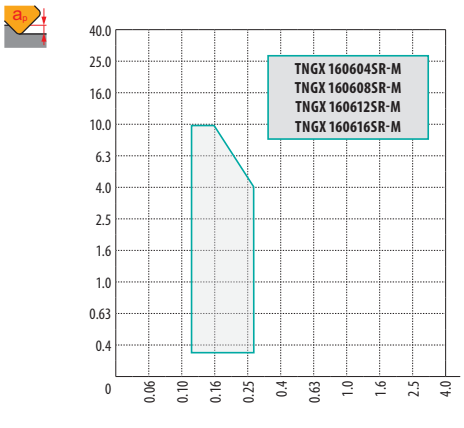
a_p 0.2 – 9.0

TNGX 160604FR-FA
TNGX 160608FR-FA

TNGX 16-M







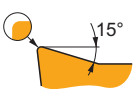
P	M	K	N	S	H
■	◪	◪		◪	

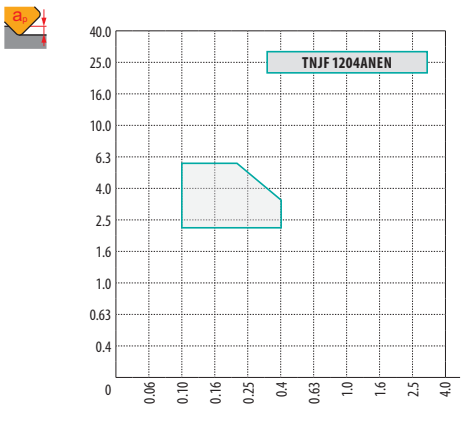
f ⇨ 0.12 – 0.28

a_p 0.3 – 10.0

TNGX 160604SR-M, TNGX 160608SR-M
TNGX 160612SR-M, TNGX 160616SR-M

TNJF 12





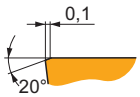
P	M	K	N	S	H
■	◪	◪			

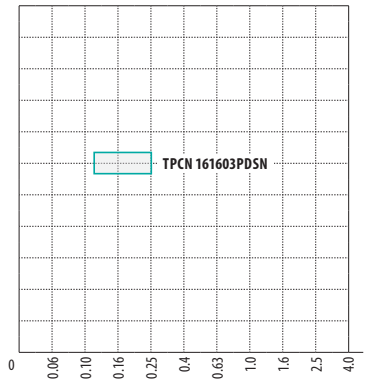
f ⇨ 0.10 – 0.40

a_p 2.0 – 6.0

TNJF 1204ANEN

TPCN 16





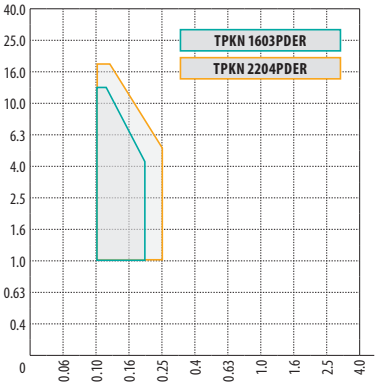
P	M	K	N	S	H
■		■			

f ⇨ 0.12 – 0.25

a_p –

TPCN 161603PDSN

TPKN ER



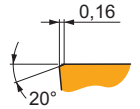
P	M	K	N	S	H
◪		◪			

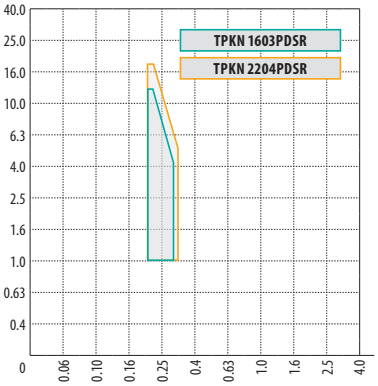
f ⇨ 0.10 – 0.25（依刀片尺寸而定）

a_p 1.0 – 17.0（依刀片尺寸而定）

TPKN 1603PDER
TPKN 2204PDER

TPKN SR





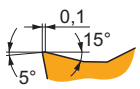
P	M	K	N	S	H
◪		◪			◪

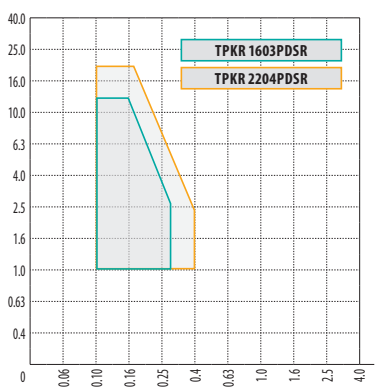
f ⇨ 0.20 – 0.35（依刀片尺寸而定）

a_p 1.0 – 17.0（依刀片尺寸而定）

TPKN 1603PDSR
TPKN 2204PDSR

TPKR





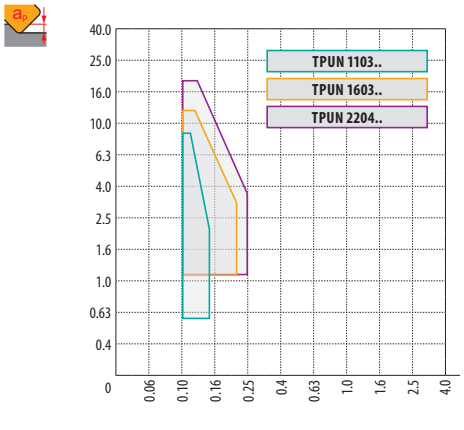
P	M	K	N	S	H
■	◪	■			

f ⇨ 0.10 – 0.40（依刀片尺寸而定）

a_p 1.0 – 17.0（依刀片尺寸而定）

TPKR 1603PDSR
TPKR 2204PDSR

TPUN



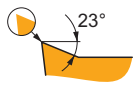
P	M	K	N	S	H
■		■			

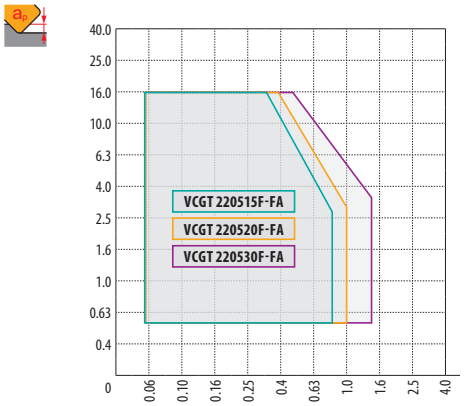
f 0.10 – 0.25（依刀片尺寸而定）

a_p 0.5 – 17.0（依刀片尺寸而定）

TPUN 1103..
TPUN 1603..
TPUN 2204..

VCGT 22-FA





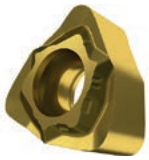
P	M	K	N	S	H
			■		

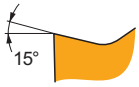
f 0.05 – 1.5（依刀片尺寸而定）

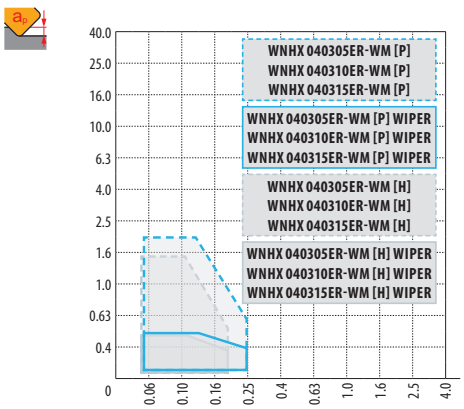
a_p 0.5 – 16.0

VCGT 220515F-FA
VCGT 220520F-FA
VCGT 220530F-FA

WNHX 04-WM







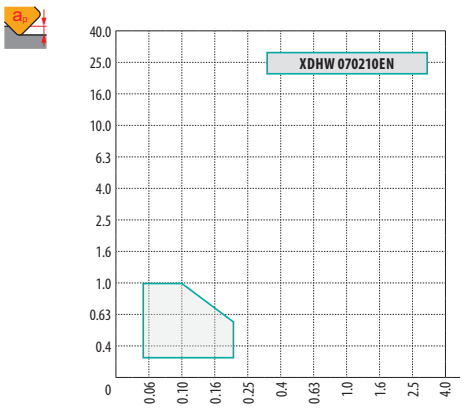
P	M	K	N	S	H
■		■			■

f 0.05 – 0.25

a_p 0.1 – 2.0

WNHX 0403..ER-WM

XDHW EN



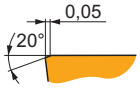
P	M	K	N	S	H
■		■			■

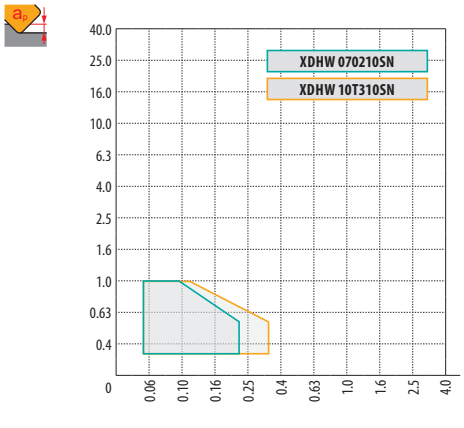
f 0.05 – 0.20

a_p 0.2 – 1.0

XDHW 070210EN

XDHW SN





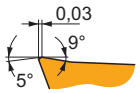
P	M	K	N	S	H
◪		■			■

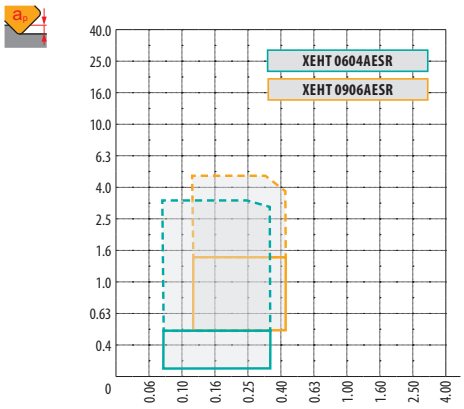
f ⇨ 0.05 – 0.35（依刀片尺寸而定）

a_p 0.2 – 1.0

XDHW 070210SN
XDHW 10T310SN

XEHT





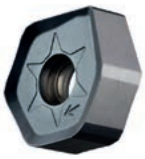
P	M	K	N	S	H
■	◪				

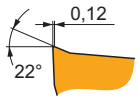
f ⇨ 0.08 – 0.45（依刀片尺寸而定）

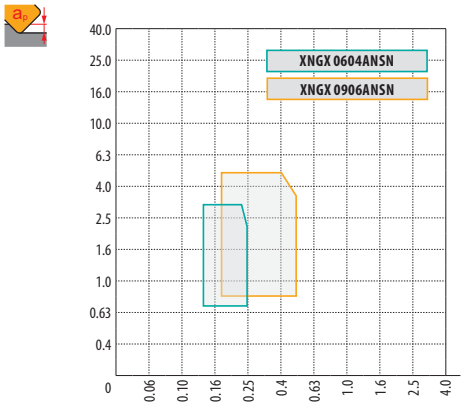
a_p 0.1 – 5.0（依刀片尺寸而定）

XEHT 0604AESR
XEHT 0906AESR

XNGX ANSN







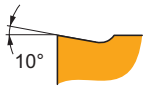
P	M	K	N	S	H
■	◪	■			

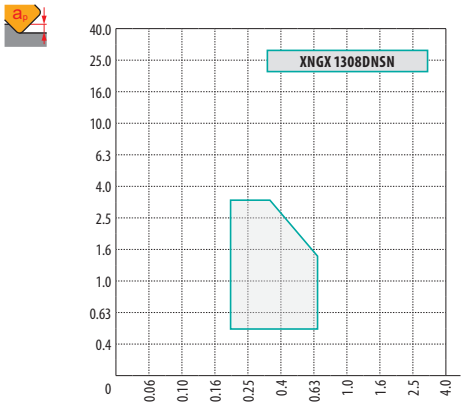
f ⇨ 0.13 – 0.50（依刀片尺寸而定）

a_p 0.7 – 5.0（依刀片尺寸而定）

XNGX 0604ANSN
XNGX 0906ANSN

XNGX 13





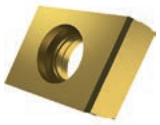
P	M	K	N	S	H
■		■			

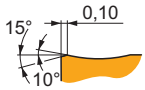
f ⇨ 0.25 – 0.70

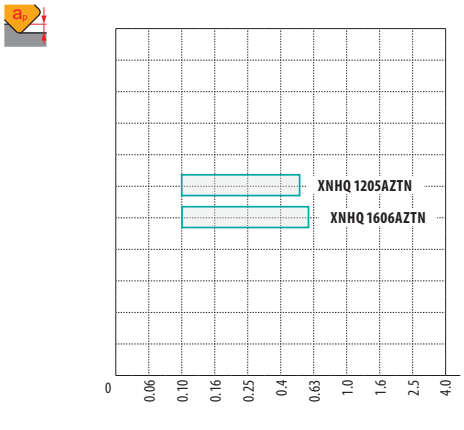
a_p 0.5 – 3.5

XNGX 1308DNSN

XNHQ TN







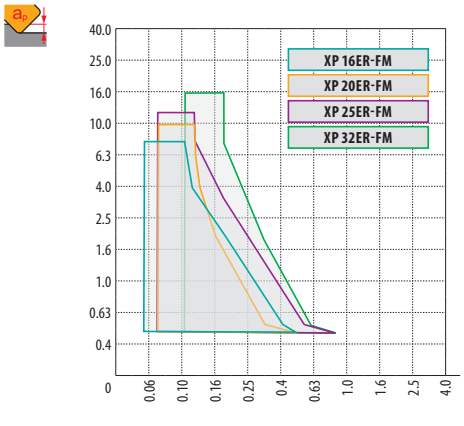
P	M	K	N	S	H
■	◪	■			

f 0.10 – 0.60（依刀片尺寸而定）

a_p –

XNHQ 1205AZTN
XNHQ 1606AZTN

XP ER-FM



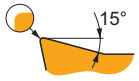
P	M	K	N	S	H
■	◪	■		◪	■

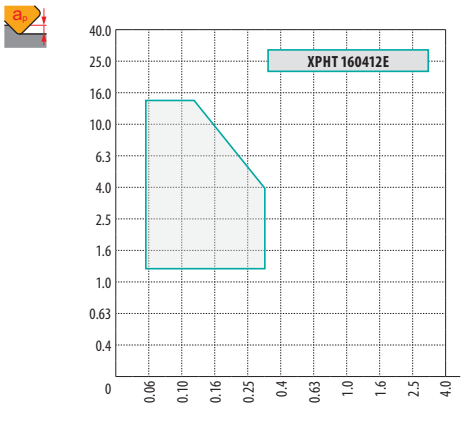
f 0.05 – 0.25（依刀片尺寸而定）

a_p 0.3 – 16.0（依刀片尺寸而定）

XP 16ER-FM, XP 20ER-FM
XP 25ER-FM, XP 32ER-FM

XPHT 16E





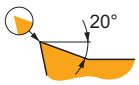
P	M	K	N	S	H
■	■	◪			

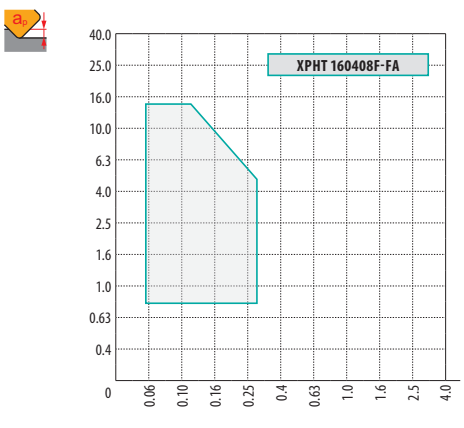
f 0.05 – 0.30

a_p 1.2 – 15.0

XPHT 160412E

XPHT 16-FA





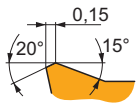
P	M	K	N	S	H
			■		

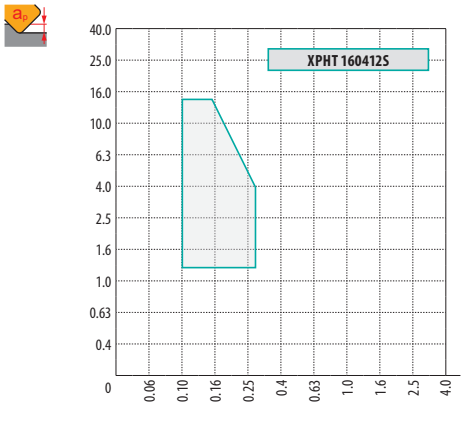
f 0.05 – 0.30

a_p 0.8 – 15.0

XPHT 160408F-FA

XPHT 16S





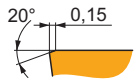
P	M	K	N	S	H
■	■	◪			

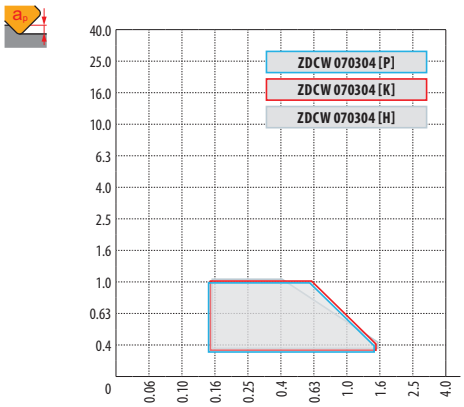
f ⇨ 0.05 – 0.30

a_p 1.2 – 15.0

XPHT 160412S

ZDCW 07





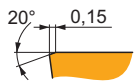
P	M	K	N	S	H
◪		■			■

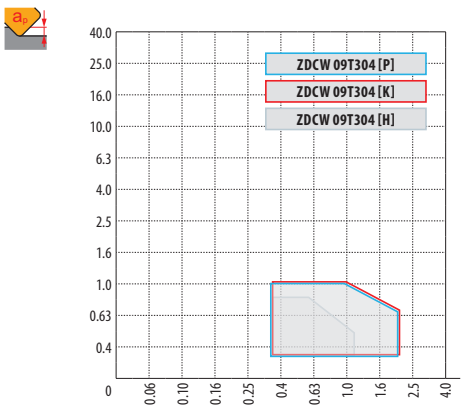
f ⇨ 0.15 – 1.50

a_p 0.3 – 1.0

ZDCW 070304

ZDCW 09





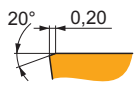
P	M	K	N	S	H
◪		■			■

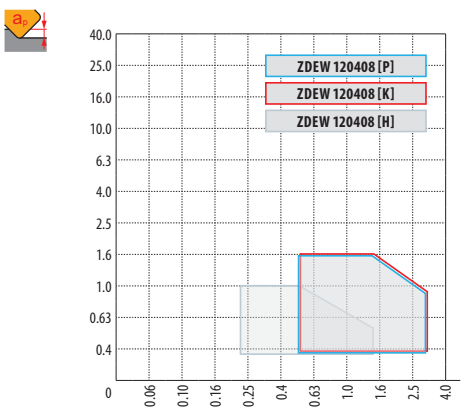
f ⇨ 0.30 – 2.00

a_p 0.3 – 1.0

ZDCW 09T304

ZDEW 12





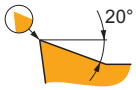
P	M	K	N	S	H
◪		■			■

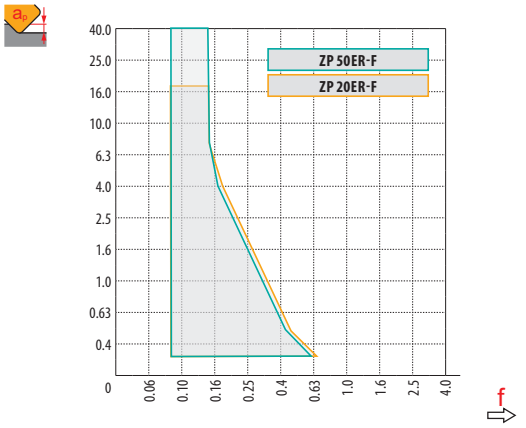
f ⇨ 0.50 – 3.00

a_p 0.3 – 1.6

ZDEW 120408

ZP ER-F





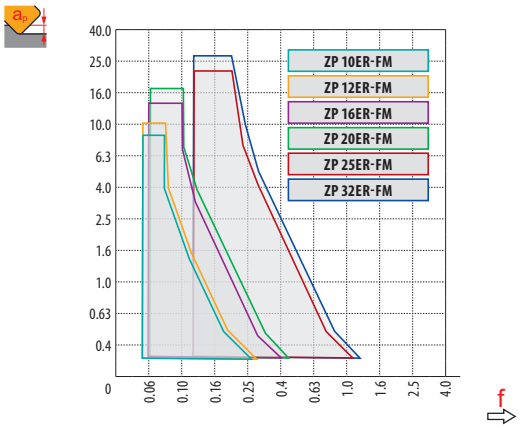
P	M	K	N	S	H
◪	◪		◪		

f 0.04 – 0.18（依刀片尺寸而定）

a_p 0.3 – 44.7（依刀片尺寸而定）

ZP 50ER-F
ZP 20ER-F

ZP ER-FM



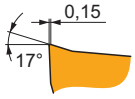
P	M	K	N	S	H
■		■			■

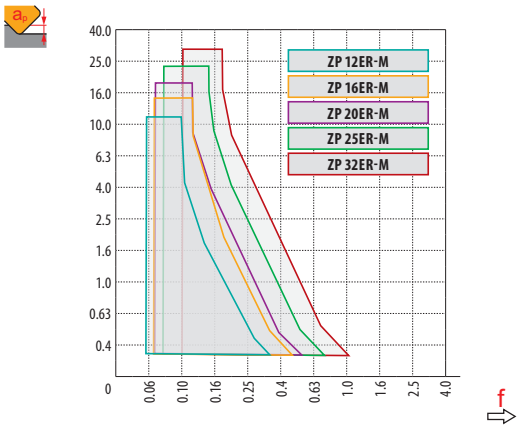
f 0.05 – 0.21（依刀片尺寸而定）

a_p 0.3 – 28.6（依刀片尺寸而定）

ZP 10ER-FM, ZP 12ER-FM
ZP 16ER-FM, ZP 20ER-FM
ZP 25ER-FM, ZP 32ER-FM

ZP ER-M





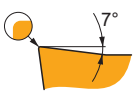
P	M	K	N	S	H
■	■	◪		◪	

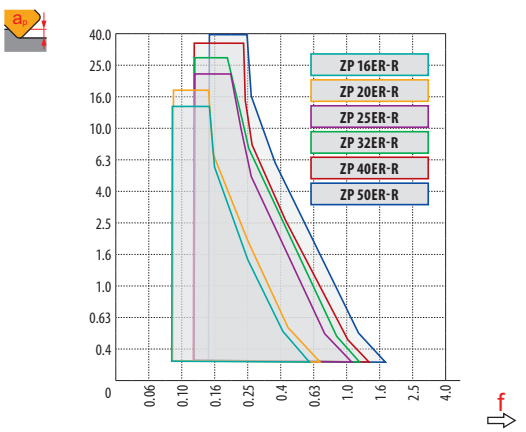
f 0.06 – 0.25（依刀片尺寸而定）

a_p 0.3 – 28.6（依刀片尺寸而定）

ZP 12ER-M, ZP 16ER-M
ZP 20ER-M, ZP 25ER-M,
ZP 32ER-M

ZP ER-R





P	M	K	N	S	H
■	■	◪		◪	

f 0.09 – 0.33（依刀片尺寸而定）

a_p 0.3 – 44.7（依刀片尺寸而定）

ZP 16ER-R, ZP 20ER-R
ZP 25ER-R, ZP 32ER-R
ZP 40ER-R, ZP 50ER-R

涂层标识

M	9	3	2	5
加工类型	涂层/基体	产品代别	ISO范围	

D	钻孔
M	铣削
T	车削
G	切槽和分断

0 PVD 1 CVD	专用
2 PVD 3 CVD	无限制
4 PVD 5 CVD	K、H分组
6 PVD 7 CVD	M、S分组
8 PVD 9 CVD	通用
B	CBN
D	PCD

1 – 9

	01 – 05
	05 – 10
	10 – 20
	20 – 30
	30 – 40
	40 – 50

材质	ISO应用范围	适用工况	进给范围	线速度范围	不稳定工况适用性	涂层	颜色	基体	冷却液影响	切割材料的描述
M9315	P05 – P25 K10 – K30 H10 – H20	■ ■ ◪				MT-CVD		H	---	一种即使在高热负荷下也具有高耐磨性的铣削材料，主要的应用范围是较高的切削速度和中等或小的切削深度。
M9325	P10 – P30 K10 – K30 H15 – H20	■ ■ ◪				MT-CVD		H	---	这种铣削材料在耐磨性和韧性之间有一个理想的平衡，它主要设计用于粗加工。其优点是即使在相对较高的切削速度下也有很好的耐磨性，具有很好的可靠性，这种材料更适合于使用较高速度和较低进给率的应用。
M9340	P35 – P50 M30 – M40 S15 – S20	■ ■ ■				MT-CVD		H	---	非常坚韧，其主要优点是切削刃强度高，能抵抗不利的切削条件。虽然这种材料有MT-CVD M30 – M40涂层，但在其应用中可以使用乳化液冷却，特别是在最佳切割条件下。
M5315	P05 – P20 K05 – K25 H05 – H20	◪ ■ ■				MT-CVD		H	---	最耐磨损的铣削材料之一，应在稳定的条件下使用。它的主要优点是具有极高的抗热应力和抗磨蚀性K05-K25.主要用于加工硬质和超硬质材料，特别是铸铁。
M8310	P01 – P10 M01 – M10 K01 – K10 H05 – H15	■ ◪ ■ ◪				PVD		ultra submicron H	-	专门为仿形铣削开发的材料，其特点是高耐磨性。它适用于在稳定的切削条件下以较高的切削速度进行加工，并适用于几乎所有的材料组（特别是较硬和更硬的材料）的加工。
8215	P10 – P20 M10 – M20 K10 – K25 N10 – N25 S10 – S15 H10 – H15	■ ◪ ■ ■ ◪ ■				PVD		submicron H	+/-	最通用的铣削材料之一，无论是从工件的范围还是从可能的应用范围来看。它的特点是高耐磨性和运行可靠性。它的其他优点包括出色的抗温度冲击开裂性。由于其独特的性能，这种材料无疑是铣刀系列的支柱之一。
M8325	P20 – P40 M15 – M30	■ ◪				PVD		S	-	这种基体的主要应用领域是加工所有类型的钢（包括不锈钢）的“软状态”。它也可用于加工较软的铸铁。适用于在平均切削条件下以中等速度加工M15 – M30。
M8330	P20 – P40 M20 – M35 K20 – K40 N15 – N30 S15 – S25 H15 – H25	■ ■ ■ ◪ ◪ ◪				PVD		submicron H	+/-	这种材料用途广泛，可用于加工各种材料。然而，它的优先应用领域是钢和球墨铸铁。建议在不稳定的切削条件下以中速进行铣削。
M8340	P25 – P50 M20 – M40 K20 – K40 S20 – S30	■ ■ ◪ ■				PVD		submicron H	+/-	最坚硬的材质之一，专用于较低线速度和不利工况下的加工。该材质适用于所有操作，但要求有坚韧的切削刃。

铣削涂层 – 概览

材质	ISO应用范围	适用工况	进给范围	线速度范围	不稳定工况适用性	涂层	颜色	基体	冷却液影响	切割材料的描述
M8345	P30 – P50	■				PVD		H	-	这种材料具有特殊的操作可靠性，是为在恶劣条件下对困难和坚韧的材料进行重负荷切割而设计的。
	M30 – M40	■								
M6330	P20 – P35	■				PVD		H	+/-	铣削材料，具有卓越的操作可靠性。特别适用于加工难以加工的材料。在恶劣条件和难于切割的应用中，具有强大的功能。
	M20 – M35	■								
	S20 – S30	■								
M4303	P01 – P10	◪				PVD		ultra submicron H	-	在模具加工中具有最高耐磨性的材料。在稳定的切削条件下，在高切削速度和低进给的情况下，提供卓越的性能。适用于困难工件材料的精加工操作。
	K01 – K10	■								
	N01 – N10	◪								
	H01 – H10	■								
M4310	P05 – P15	◪				PVD		ultra submicron H	-	一种用于模具加工的多功能材料。适用于精加工和半粗加工的操作。这种涂层的产品结合了高耐磨性和卓越的操作可靠性。
	M05 – M15	◪								
	K05 – K15	■								
	S05 – S10	■								
	H05 – H15	■								
2003	P01 – P10	◪				PVD		ultra submicron H	-	具有优良的耐磨性的铣削材料。最适合在稳定的切削条件和中/高切削速度下加工硬质和高强度材料。适用于切割除有色金属以外的其他工件组材料
	M01 – M10	◪								
	K01 – K10	■								
	S05 – S10	■								
	H05 – H15	◪								
M0315	N05 – N25	■				PVD		submicron H	-	用于铣削有色金属及其合金的亚微米级材料，具有平衡的耐磨性和韧性比例。它有一个独特的涂层，具有出色的摩擦性能。
M8326	P20 – P40	■				PVD		H	-	专用于重型加工的涂层。此涂层主要用于加工“柔性状态”下的所有类型的钢（包括不锈钢）。它还可用于加工较软的铸铁。适合在普通切削工况下进行中速M15 – M30加工。
	M15 – M30	◪								
M8346	P30 – P50	■				PVD		H	-	专用于重型加工的涂层。此涂层具有出色的加工可靠性，用于在不利工况下对难加工的坚韧材料进行重型切削。
	M30 – M40	■								
S26	P15 – P30	■				–		S	++	无涂层的铣削材料，具有良好的抗切削表面侵蚀能力。专门为低速加工碳钢和合金钢而设计。
S45	P30 – P45	■				–		S	++	无涂层的坚韧材料，适用于低切削速度和不利切削条件下的加工。
HF7	M10 – M20	◪				–		submicron H	++	一种无涂层的材料，主要用于加工非铁金属。它也可用于加工其他材料（钢除外）。这种材料可用于车削、铣削，甚至是镗削。
	K10 – K25	■								
	N10 – N25	■								

铣削涂层 – 概览

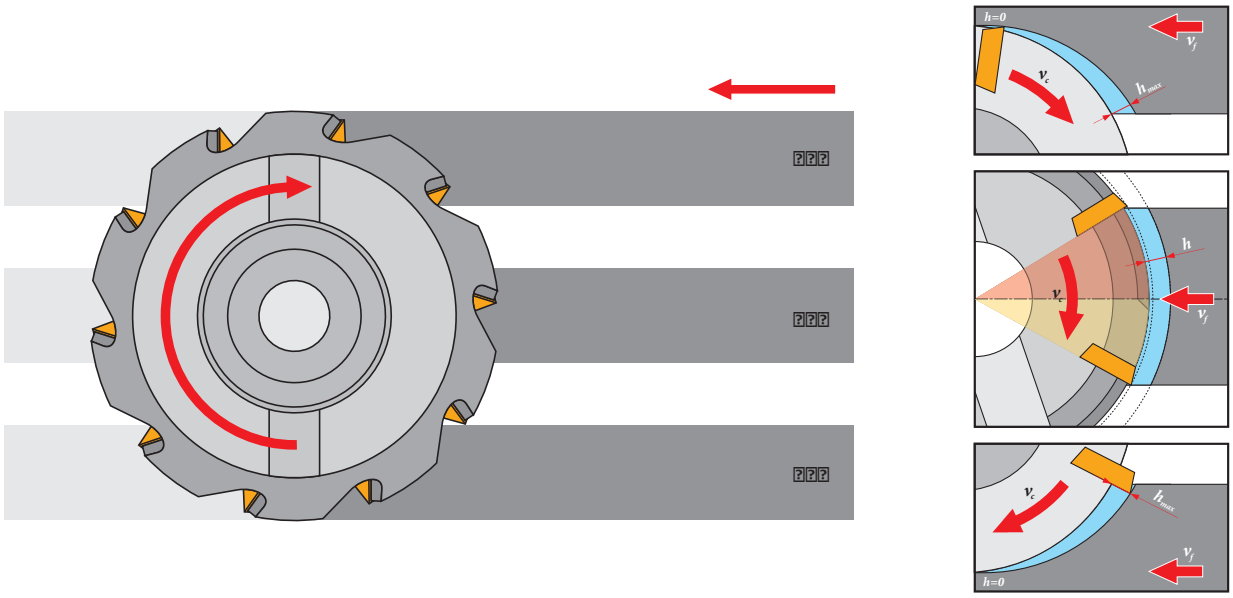
基材	
H	WC-Co基体
submicron H	WC-Co基体, 细颗粒度(<1µm)
ultra submicron H	WC-Co基体,极细颗粒度(<0.5µm)
S	立方碳化钨基材

涂层	
MT-CVD	中温CVD涂层
PVD	物理涂层
–	无涂层材质

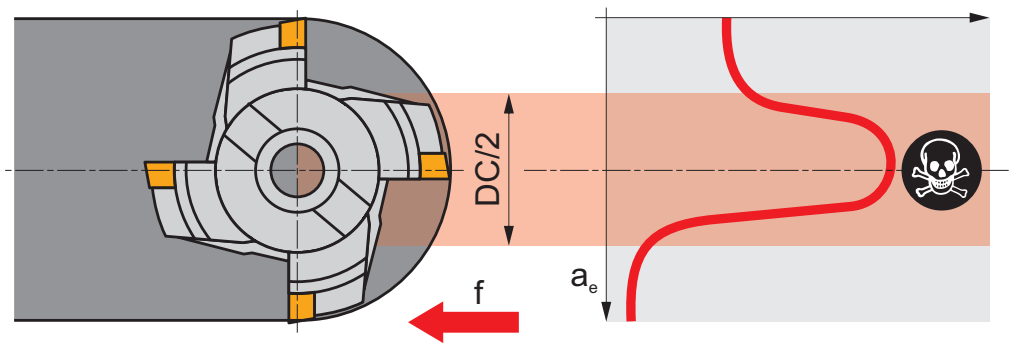
冷却的影响	
---	对刀具寿命有非常不利的影响 – 不建议冷却
-	对刀具寿命有轻微的不利影响
+/-	冷却的效果既可以是积极的 , 也可以是消极的--具体的工作条件是决定因素
++	对刀具寿命有积极影响 – 建议进行冷却

影响程度	
	级别 1–5

在铣削加工中，铣刀切刃几乎总是进行断续（间歇性）切削。刀具每转动一圈，每个切刃进入和离开工件至少一次。
另外，切屑厚度的周期性变化发生在每一次铣刀转动期间。这会导致切向部分切削力的大小和方向发生波动。铣刀的切刃因此受到循环应力，从而产生特定的磨损。因此，铣刀切刃的耐久性取决于切刃进入和离开工件的条件。正确选择相应的条件会显著影响铣削过程，并且对切削功率和加工表面的质量也有重大影响。在切刃进入或离开工件的时刻，切刃或多或少地会承受强烈机械冲击，从而对紧邻切削刃的区域产生机械应力。如果选择的接触条件不正确，这些冲击可能造成切刃脆性损伤，出现崩口或碎裂。
因此，铣刀与工件的相对位置是一个非常重要的因素。铣刀位置主要有以下三种：侧逆铣、中心铣和侧顺铣。对于可转位刀具，建议采用同向接触方式（铣刀进入工件时形成厚切屑，离开工件时形成薄切屑）。但也有一些值得注意的例外情况，比如带表皮的工件，使用磨损丝杠加工等。

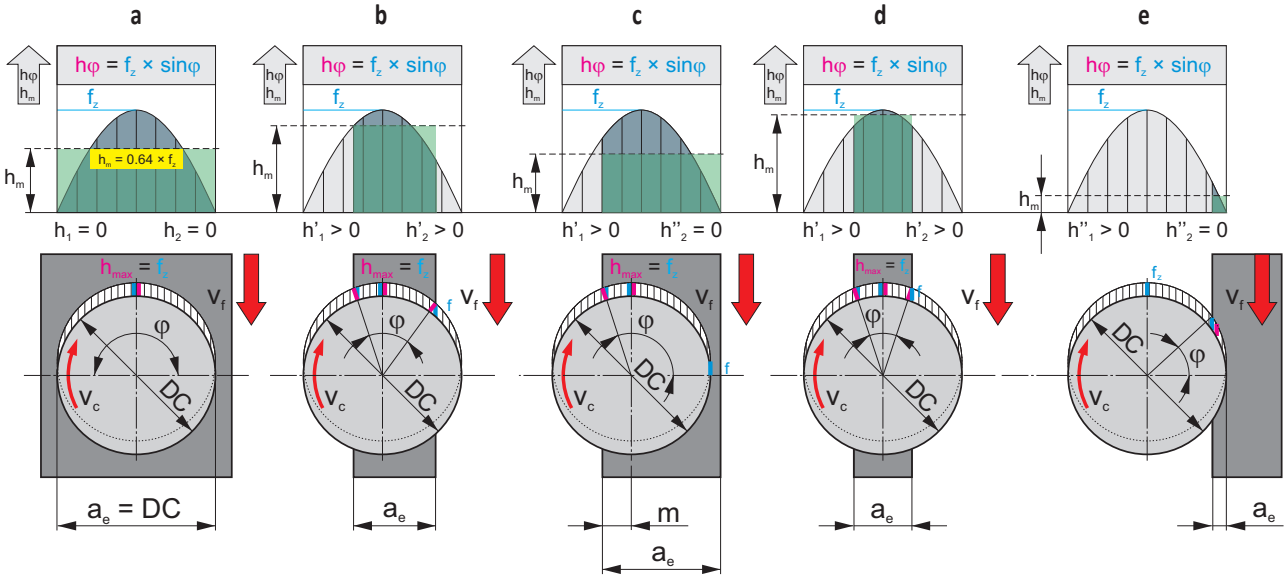


在平面铣过程中，如果铣削表面a_e的宽度与铣刀直径相同，则采用专门为刀片推荐的值。如果接触宽度比铣刀直径小，如上所述，需要考虑的关键因素是采用中心铣还是侧铣。无论哪种铣削加工，均应对进给和线速度进行修正（参见第699页的修正表格）。在两种情况下，都应尽量确保刀具不会在接近铣刀中心的区域（死区）进入或退出。



切刃离开切削点时会承受两种应力：由于切刃附近的刀片表层快速冷却造成的应力，以及柔性变形释放（尤其是切削力快速减小后在工件表层产生的柔性变形）造成的机械冲击应力。

如上所述，在刀片转动一圈的过程中，切屑厚度*h*随角度φ变化，此角度用公式$h\varphi = f_z \times \sin\varphi$计算得出。
在铣刀轴线上达到稳定工况时，切屑厚度稳定在最大值f_z。每转一圈的每齿平均切屑厚度（h_m）为正弦曲线下面积相同区域的矩形高度，与径向切削深度a_e相关。平均切屑厚度h_m取决于铣刀的种类和接触条件，尤其是a_e/DC比率，每齿进给量f_z，当然也包括切入角*KAPR* – κ_r。下图给出了一些示例。



图a、b、d中，铣削（中心铣）加工的平均切屑厚度h_m利用以下公式计算：

$$h_m = f_z \times \sin\kappa_r \times \left(57.3 \frac{a_e}{DC \times \arcsin \times \left(\frac{a_e}{DC} \right)} \right)$$

对于用铣刀侧面进行的机加工（图c、e），用下面的公式计算平均切屑厚度h_m：

$$h_m = f_z \times \sin\kappa_r \times 114.6 \times \left(\frac{a_e}{DC \times \arccos \times \left(1 - \frac{2a_e}{DC} \right)} \right)$$

图e中，a_e/DC比率非常低（< 0.2）的铣刀侧面铣削加工，可以使用下面的简化公式计算平均切屑厚度h_m：

$$h_m = f_z \times \sin\kappa_r \times \sqrt{\frac{a_e}{DC}}$$

其中：

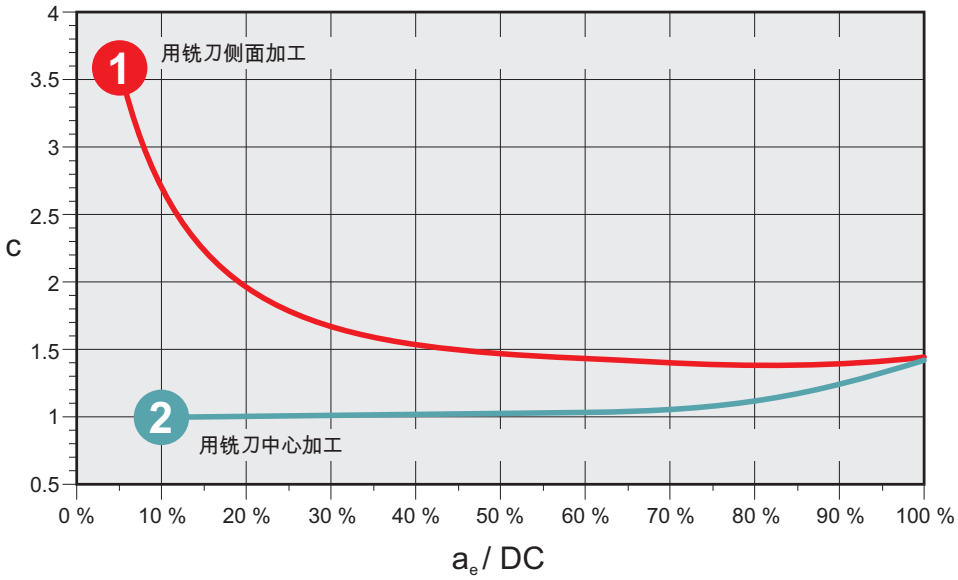
h_m	平均切屑厚度 (mm)
f_z	每齿进给量 (mm/齿)
a_e	径向切削深度 (mm)
DC	铣刀直径 (mm)
κ_r	主切削刃的切入角*KAPR* (°)

铣削时的工况

对于任何铣削刀具，为确保最佳加工效果，我们建议检查切屑厚度，更确切地说，使用推荐的h_m范围，以选择（计算）正确的进给率。

当然，还必须考虑可转位刀片的槽形。可以使用上面或下面的公式计算f_z。系数c的值可以从下面的图表中获得：

$$f_z = \frac{h_m}{sin \times \kappa_r} \times c$$



此目录中列出的每种刀具都有达到其最佳加工性能所特定的平均切屑厚度范围。厚度低于此范围可能会妨碍刀具切削，更确切地说，可能导致刀具过度磨损，在极端情况下，甚至会导致刀具在切削过程中损坏。同样，超过推荐值可能会导致刀具超载，从而损坏刀片。目录中直接列出了每个刀具产品系列的推荐平均切屑厚度范围。
切屑厚度范围仅可用于P组和K组的材料。对于M组和S组材料以及N组韧性材料，必须调整切屑厚度的下限值（要比列出的值高）。对于H组和S组材料，必须降低上限值，对于M组韧性材料，也应稍作调整。而当加工较软的N组材料时，可以将推荐平均切屑厚度上限值增加约10–15%。

SHN06C

P M K H

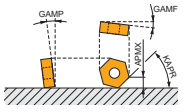
PRAMET

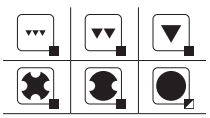
S

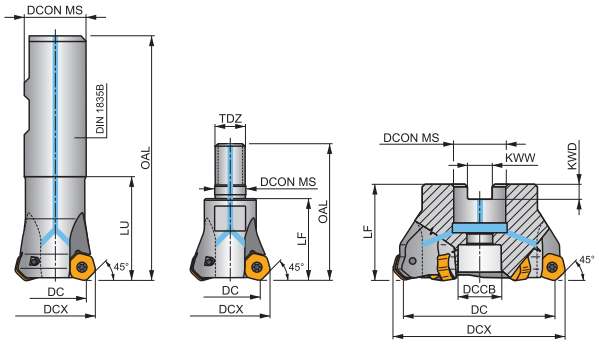
ECON HN06 45°面铣，具有双面负前角设计，带内冷

高效富有成效的45°面铣，使用双面HN.. 06类型刀片，具有APMX(最大切深)3 mm。粗加工，精加工和倒角加工。经济型刀片，具有12个切削刃。不等齿距，侧固柄，模块夹紧系统和芯轴式类型可提供范围从Ø25至Ø125 mm。刀体经过处理，使用寿命更长。

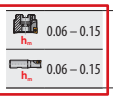
KAPR	45°
APMX	3.0 mm

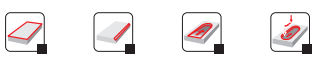






平均切屑厚度的最佳范围 (mm)



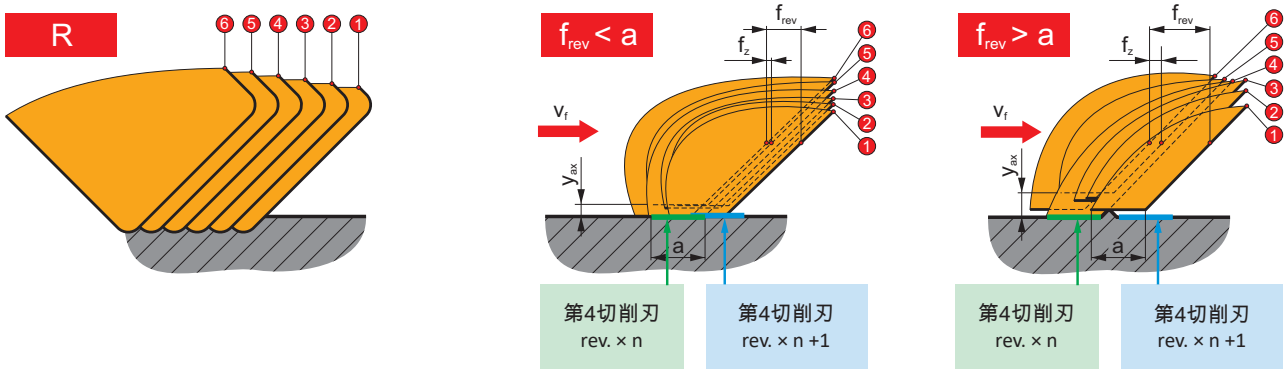


产品型号	DC	DCX	OAL	DCON MS	DCCB	LU	LF	TDZ	KWW	KWD	GAMF	GAMP	max.	kg

精加工的一项重要标准是加工表面的粗糙度。下文将介绍一些提高表面质量的技巧。

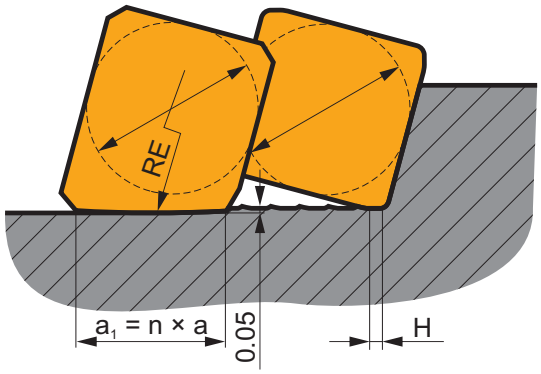
平面铣

进行任何铣削加工时，加工表面均由多个切刃形成。因此，表面的微观几何结构取决于各个切刃的轴向跳动。加工表面由轴向最突出的切刃形成。可转位刀片的刀尖设计对于铣销表面粗糙度有很大影响。如果可转位刀片的刀尖有圆角，会在表面上造成缺陷。缺陷大小取决于刃角半径和进给速度。对于带修光刃部分的刀片，适用的经验法则是，每圈进给必须小于修光刃部分尺寸的80%。对于更大的（多齿）刀具，某些情况下可能无法满足该条件，因为最小进给值 $f_z = 0.8 \times a/z$ 可能接近某些刀片槽形的推荐下限值（进给速度小于进给方向的切面宽度）。降低进给速度通常会导致切削阻力增加，进而缩短刀具寿命。

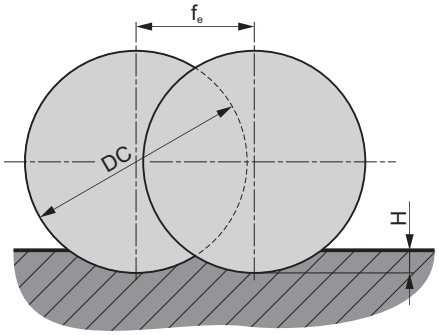


在这种情况下，最好使用齿数更少的铣刀或减少铣刀上的齿数（每隔一个铣刀齿，仅在偶数齿上安装一个刀片）。但这种方法可能会降低生产率。也可以选择修光刃刀片（前提是这种刀片适合目前使用的刀具）。但这种解决方案也有缺点。对于小直径（约63mm甚至更小）铣刀，速度梯度过高，并且在加工坚韧材料时，朝向铣刀中心的表面有撕裂或脏污（积屑瘤）风险。

有关修光刃部分尺寸的信息请参见目录章节的技术信息开始部分。



对于大多数其他类型的铣削加工，可以重新计算估计的最大表面粗糙度。可以使用下面的公式计算，此处还附带了说明图。

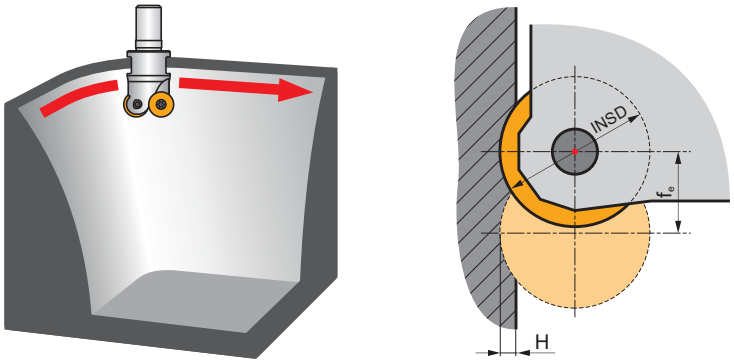


$$H = \frac{f_e^2}{4 \times DC} \rightarrow f_e = \sqrt{4 \times DC \times H}$$

在何种情况下及何时应用此公式 :

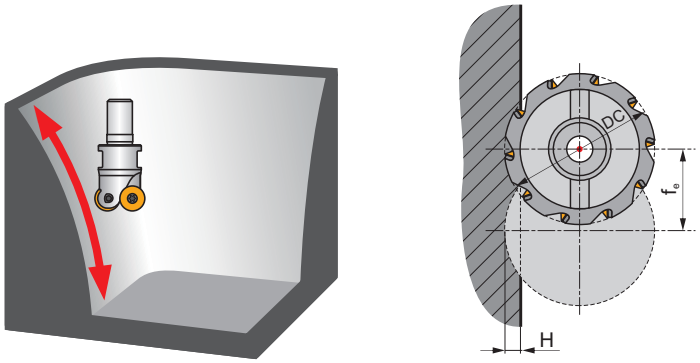
1) 使用平面圆角*或球头铣刀进行周缘线性加工时 , 用于确定行间隔。

* 取代用于*INSD*.的刀片直径



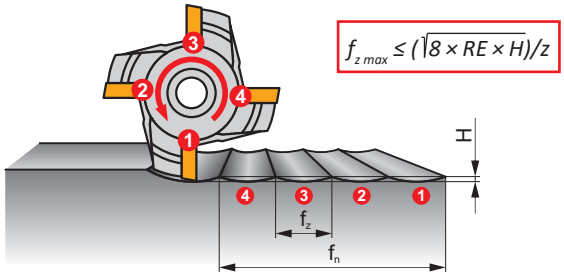
2) 在 (不仅仅) 使用平面圆角铣刀进行横向线性加工时以及进行插铣**时 , 用于确定行间隔。

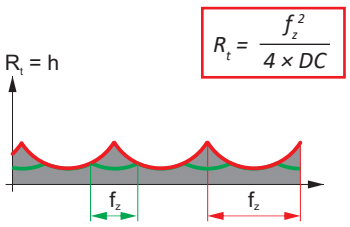
** 取代用于*DC*.的铣刀直径



3) 进行轮廓铣 (侧铣削) 时 , 用于确定每齿进给量。***

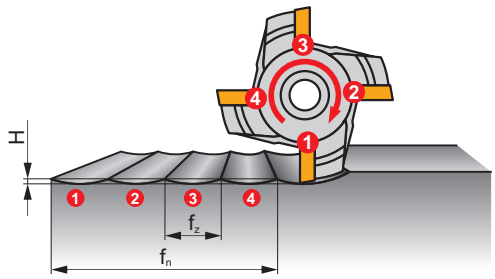
*** 取代用于*DC*的铣刀直径 , 并除以齿数。



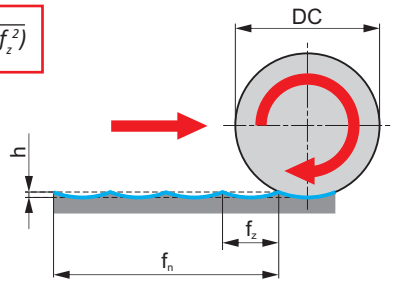


径向表面粗糙度 (即进行侧铣削时 (使用三面刃铣刀铣削槽的轮廓或槽底)) 使用以下公式计算 :

取代用于*DC*.的铣刀直径



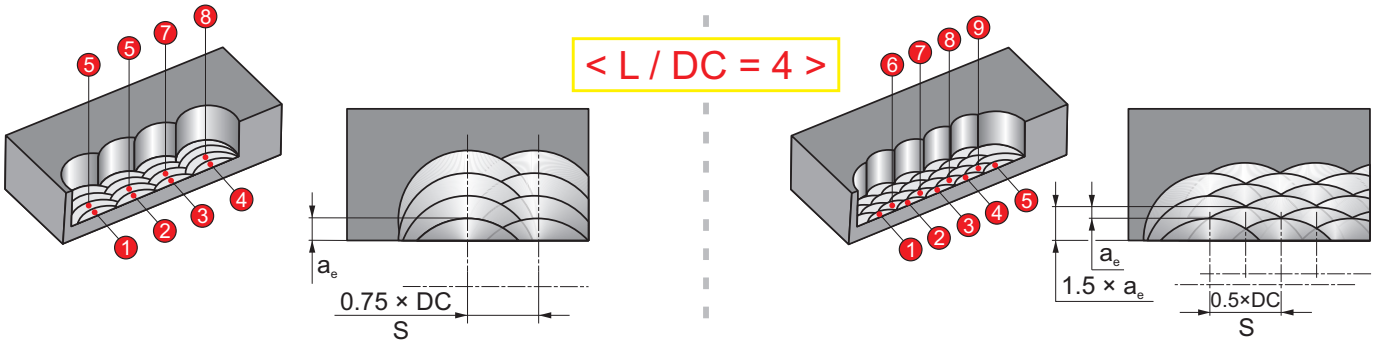
$$h = \frac{1}{2}\left(DC - \sqrt{DC^2 - f_z^2}\right)$$



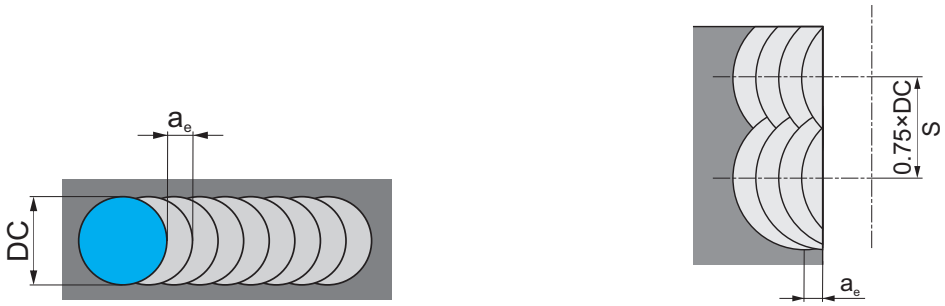
插铣（铣槽）

针对这项切削技术，我们为特定刀具组提供了最大允许径向切削深度建议。其中刀具悬伸L至关重要。当加工较宽的凹槽时，推荐使用更长的悬伸（*L/DC > 4*），并且按照下图调整接触条件：

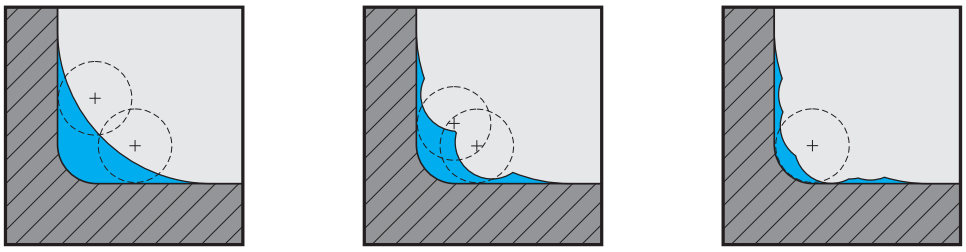
轮廓铣



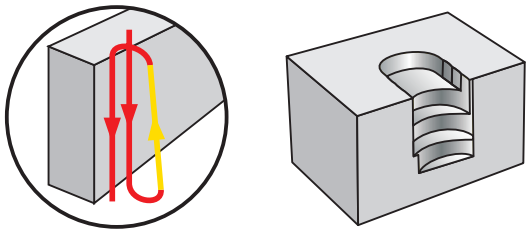
槽铣



方肩铣



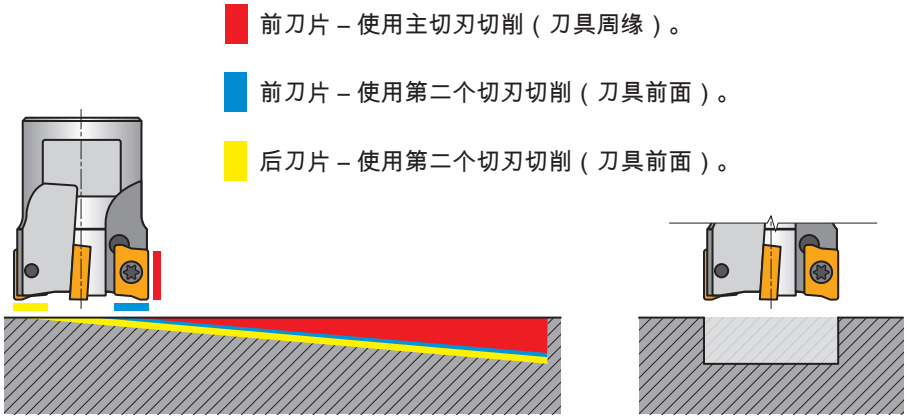
在方肩铣加工中，路径之间的偏差量也不应超过铣刀直径的¾（并且越靠近刃角应越小）。



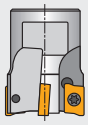
针对这项技术创建程序时，应避免铣刀经过已加工的表面（底部）。换言之，不建议使用所谓的钻孔循环。当选择接触条件时，确保超过一个齿始终处于接触状态。我们还建议逐渐减小轴向切削深度（插铣深度），即，形成“梯形”结构。还应谨记，与传统方法相比，插铣需要使用更低的线速度和每齿进给量。

坡走铣

坡走铣是同时采用三种不同切削方法的技术：



其中一个重要参数是坡度角，即，在给定范围内沿Z轴下降的角度。某些刀具（HFC）允许以更小的角度和更高的进给下降，或在使用更低的进给时允许更大的坡度角。这些角度或沿给定范围下降的量请参见“技术建议”部分。

	
	以最大角度下行，水平返回，再次以最大角度下行，水平返回...
	以更小的角度（一半）返回，最后水平退出。
	以最大角度下行，水平返回长度D，然后以最大角度下行，不断重复...
	以最大角度下行，然后上行长度X，并再次以最大角度下行。 $X = tg\ \alpha\ (DC - W1)$

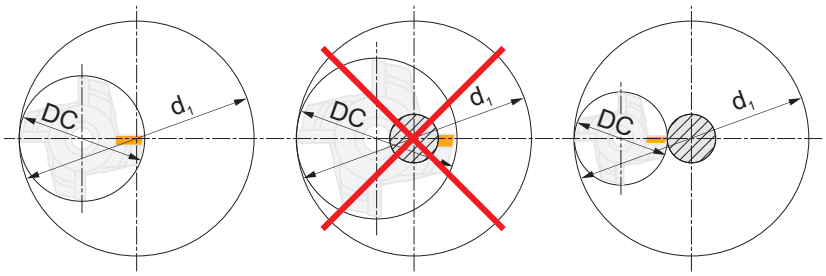
选择进给速度时，我们建议遵照针对槽铣的下列推荐值。如果槽更深（即先以一定角度铣槽，然后铣平），必须从四种基本方案中为后续步骤选择一种。

其中：

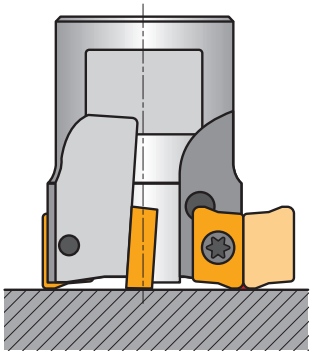
X	偏差 (mm)
α	坡度角 (°)
DC	铣刀直径 (mm)
W1	刀片宽度 (mm)

圆形或螺旋插补铣削

这种方法与坡走铣类似，只不过是沿圆周路径进行加工。其中最重要的一个因素是铣刀直径，或者给定铣刀类型能够加工的孔的最小直径和最大直径（此信息仅在使用无过中心切削刃铣刀时非常重要）。如果铣刀直径过大，刀片路径将不经过孔的轴线，这会导致加工表面产生突起，从而与刀具表面发生碰撞，有可能使刀具彻底损坏。而如果铣刀直径过小，芯部将留在孔的轴线内，之后必须进行单独铣削。



DC = cca 0.5 × d_1　　DC > 0.5 × d_1　　DC < 0.5 × d_1



$D_{最大}$ – 孔径

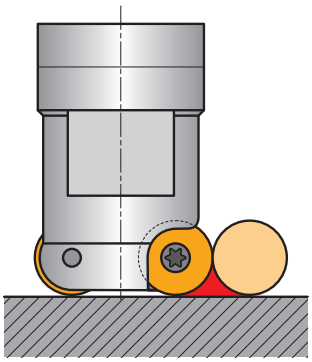
DC – 铣刀直径

INSD – 刀片直径

RE – 刀片刃角半径

BS – 修光刃长度

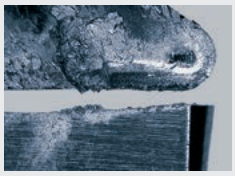
b – 切槽的最大a_e值



最大孔径加工盲孔时，可以在底部中心铣削，以形成平底		
通孔： $D_{最大}$ = 2 × DC		通孔： $D_{最大}$ = 2 × DC
最小孔径		
通孔： $D_{最小}$ = (DC - b) × 2		通孔： $D_{最小}$ = (DC - 0.8 INSD) × 2
平底： $D_{最小}$ = (DC - (RE + BS)) × 2		平底： $D_{最小}$ = (DC - 0.5 INSD) × 2

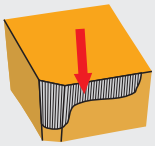
建议中包括列出最小孔径、最大孔径和这些直径的轴向下降角度值的表格（某些情况下有两个表格：一个用于标准刀片槽形，另一个用于HFC）。

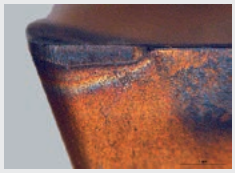
积屑瘤



		无影响
(MT)CVD PVD	++	任何涂层(减振是决定因素)
f	↑	更高的进给意味着更小的积屑瘤范围
v	↓↑	改变线速度, 通常增加
a_p		无影响
	↓↑	当角度超过40°时, 不产生积屑瘤
	-	使用非粘性的冷却液(不推荐铣削时使用冷却液)

后刀面磨损



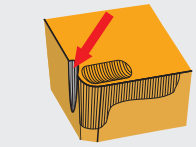


	↑	使用更耐磨的基体(H)
(MT)CVD PVD	++	任何涂层(取决于硬度)(TiC,TiCN)
f	↑	如果进给在0.1mm内, 应该增加
v	↓	降低切削速度
a_p		无影响
	↑	最重要的是增加后角
	+	有所帮助, 但是仅用于理想工况

月牙洼磨损

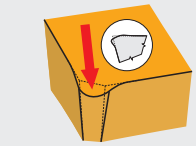
	↑	选用更耐磨材质(S)
(MT)CVD PVD	++	CVD涂层(取决于耐热性能)(α Al_2O_3)
f	↑	进给对凹槽的形状和位置有影响
v	↓	降低线速度
a_p	↓	最小影响
	↑	选用更锋利的槽型
	++	可以选用冷却液,用于理想的工况下

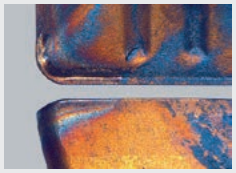
较小切削刃上的氧化沟



	↑	选用更耐磨材质(S)
(MT)CVD PVD	++	CVD涂层(取决于耐热性能)(α Al_2O_3)
f	↓	进给对凹槽的形状和位置有影响
v	↓	降低切削速度
a_p	↓	最小的影响
	↑	选用更锋利的断屑槽
	++	可以选用冷却液,用于理想的工况下

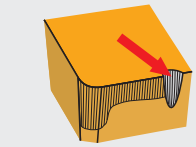
塑性变形

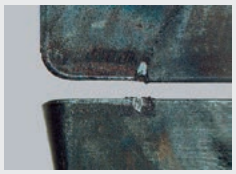




	↑	选用更耐磨的材质(取决于含Co量)
(MT)CVD PVD	+	任何涂层(取决于摩擦系数)
f	↓	降低进给
v	↓	降低线速度
a_p	↓	最小的影响
	↑	选用更锋利的切削刃
	++	可以选用冷却液,用于理想的工况下

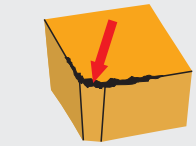
侧刃沟槽磨损

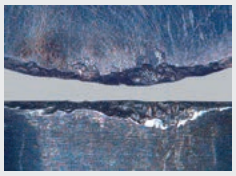




	↑↓	取决于磨损类型(磨损-选用更耐磨的材质, 崩刃-使用更韧性的基材)
(MT)CVD PVD	++	CVD涂层(取决于耐热性能)(α Al_2O_3)
f	↓	进给对强度有影响, 但是比切削速度影响小
v	↓	降低线速度
a_p	↑↓	选用不等切深
	↓	选用钝的刃口
	+	可以选用冷却液,用于理想的工况下
		选用更小主偏角的刀具

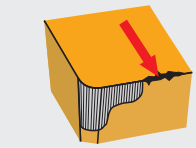
热裂纹





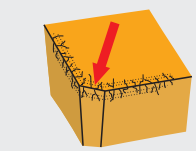
	↓	(H)颗粒基体影响大
(MT)CVD PVD	+	推荐PVD涂层
f	↓	进给对强度有影响, 但是小于切削速度的影响
v	↑↓	振动原因
a_p	↓	无影响
	↑	增大前角会降低切削温度
	-	无影响(可以使用压缩空气以去除铁屑)
		选用更好的工况(a_e/D)

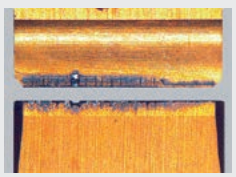
刃口剥落



	↓	(H)颗粒基体影响大
(MT)CVD PVD	+	推荐PVD涂层
f	↑↓	良好的断屑及其重要
v	↑↓	可能是断屑问题
a_p	↑↓	降低切削负载(长悬伸对于加工重要)
	↓	使用钝的切削刃口
		不使用冷却液
		选用更好的工况, 降低切入进给

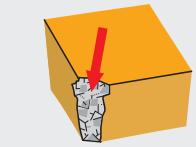
热裂纹

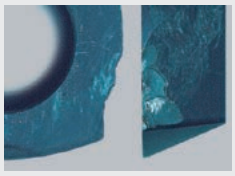




	↓	(H)颗粒基体影响大
(MT)CVD PVD	++	推荐PVD涂层
f	↓	进给对强度有影响, 但是小于切削速度的影响
v	↓	更低的进给意味着更低的温度
a_p		无影响
	↑	选用更锋利的切削刃
	---	不适用冷却液(可能选用空冷去除铁屑)
		选用更好的工况(a_e/D)

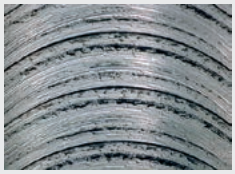
刀片崩损





	↓	(H)颗粒基体影响大
(MT)CVD / PVD	+	推荐PVD涂层
f	↓	良好的断屑及其重要
v	↑↓	可能是断屑和振动问题
a_p	↓	降低切削力
	↓	使用钝的切削刃
		切削液无影响
		使用更好的工况

表面质量差



问题描述和原因：

原因很明显，取决于工件材料、切削工况 (进给量和切削速度)、切削刃状态、延伸和磨损形式、机床-刀具-工件的状况 和刚度。

- 选错刀具
- 错误的切屑厚度
- 错误的切削速度
- 需要冷却液
- 高进给量

纠正措施：

- 使用精加工刀片，或者使用具有精加工段的刀片
- 使用具有正确槽型的刀片
- 降低进给量
- 改变 (通常增加) 切削速度
- 使用冷却液或润滑油 (MQL)
- 消除振动
- 使用每个刀片的位置能够更精确调整的刀具
- 改变切屑厚度 (调整加工工况)

振动

问题描述和原因：

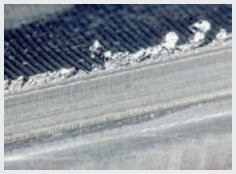
该问题出现非常频繁。主要原因是工件或刀具不平衡、工件装 夹不稳定以及过高切削力。

- 机床-刀具-工件的刚度较低
- 轴向和径向的切屑深度过大
- 工件跳动量不足或刀具平衡差
- 大刀具悬伸

纠正措施：

- 检查工件固定的稳定性
- 检查刀具固定的稳定性
- 降低切削深度
- 使用悬伸更小的刀具
- 修改切削速度
- 减少切屑厚度 (更改切削或加工条件)
- 选择合适的切削槽形和刀具材料，以最小化切削过程中的力平衡 (刀片尽可能锋利，正前角尽可能大) ，例如使用切削阻力更小的刀具
- 铣削时，使用主偏角更小的刀具

毛刺



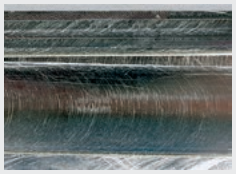
问题描述和原因：

通常出现在软钢和塑料材料的铣削中。

纠正措施：

- 使用具有锋利切削刃的刀片
- 使用具有正前角槽型的刀片
- 使用主偏角更小的刀具

工件尺寸和形状不精确



问题描述和原因：

取决于许多因素。

纠正措施：

- 使用耐磨刀片
- 提高刀具和工件的稳定性
- 减小刀具悬伸
- 使用具有合适加工余量的工件

无法接受的切屑控制

问题描述和原因：

合适的切屑形状对于刀具耐久性（刀具寿命）等是重要的指标之一。工件材料、进给量、切深、合适的切削槽型都影响正确的切屑形成。长切屑无法接受，但也不期望出现太短的切屑，因为这意味着切削刃过载且会导致振动。

纠正措施：

- 改变进给量和切削深度
- 使用更合适的切削槽型
- 改变切削工况

不良现象

检查刀片座状况

在需要夹紧新的刀片或改变切削刃之前清洁刀座，检查刀片座状况或刀垫和楔块的状况 (特别是刀片刀尖下方的损坏)。

检车并服务夹紧工件

很重要的是检查夹紧件, 包含夹紧杠杆, 螺钉, 压块和夹紧机构, 仅用原装的,不损坏的部件(样本中可以找到).常规的润滑的螺纹和螺钉表面, 例如使用耐热润滑剂.对于安装和拆卸, 仅使用样板中的扳手, 注意正确的夹紧 – 建议选用扭矩扳手.

检查拧紧情况

拧紧前，需检查刀片在整个结合表面上的安装以及在径向与轴向的安装。刀片和刀体必须总是保持清洁和完好无损。

公式

数值	单位	公式
转数	(rev/min)	$n = \frac{v_c \times 1000}{DC \times \pi}$
切削速度	(m/min)	$v_c = \frac{\pi \times DC \times n}{1000}$
每转进给	(mm/rev)	$f_{rev} = \frac{f_{min}}{n} = f_z \times z$
每分钟进给	(mm/min)	$f_{min} = v_f = f_{rev} \times n = f_z \times z \times n$
每齿进给	(mm/tooth)	$f_z = \frac{f_{rev}}{z} = \frac{f_{min}}{n \times z}$
切削断面	(mm^2)	$A = f_z \times a_p$
切屑厚度(用于直刃刀片)	(mm)	$h = f_z \times sin\ \kappa_r$
切屑厚度(用于圆刀片)	(mm)	$h = f_z \times \sqrt{\frac{a_p}{INSD}}$
金属去除率	(cm^3/min)	$Q = \frac{a_p \times a_e \times f_{min}}{1000}$
所需功率	(kW)	$P_c = \frac{a_p \times a_e \times f_{min}}{60 \times 10^6 \times \eta} \times k_c \times k_\gamma$
大概功率	(kW)	$P_c = \frac{a_p \times a_e \times f_{min}}{x}$

注意:

	种类	单位
n	转数	(rev/min)
DC	直径(刀具或者工件)	(mm)
v_c	切削速度	(m/min)
f_{rev}	每转进给	(mm/rev)
A	切削断面	(mm^2)
a_p	切削深度	(mm)
a_e	切削宽度	(mm)
κ_r	主偏角	(°)
f_{min}	每分钟进给	(mm/min)
f_z	每齿进给	(mm/tooth)
z	齿数	(-)
$INSD$	直径切削刀片	(mm)

	种类	单位
h	切屑厚度	(mm)
Q	每分钟金属去除率	(cm^3/min)
P_c	所需功率	(kW)
k_c	单位切削力mm^2	(MPa)
k_γ	影响γ_0角度的系数	(°)
η	加工的有效系数 η = 0.75	(-)
x	影响工件材料的系数	(-)

材料	钢	铸铁	铝合金
系数 x	24 000	30 000	120 000

推荐的夹紧螺钉扭矩

螺钉型号	扭矩	螺距	长度
	(Nm)	–	(mm)
US 20	0.9	M 2	3
US 2205-T07P	0.9	M 2.2	5
US 25	1.2	M 2.5	5
US 2505-T08P	1.2	M 2.5	5
US 2506-T07P	1.2	M 2.5	6
US 3006-T09P	2	M 3	6
US 3007-T09P	2	M 3	7
US 3504-T09P	3	M 3.5	4
US 3507-T15	3	M 3.5	7
US 3509-T15	3	M 3.5	9
US 3511-T15	3	M 3.5	11
US 3512-T15P	3	M 3.5	12
US 4008-T15P	3.5	M 4	8
US 4011-T15P	3.5	M 4	11
US 4511-T20	5	M 4.5	11
US 5012-T15P	5	M 5	12
US 70	5	M 4	5
US 71	5	M 4	7
US 72	5	M 4	9
US 73	5	M 4	11
CS 3007-T08P	1.2	M 3	7
CS 4008-T15P	3	M 4	8
CS 42506-T07P	1	M 2.5	6
CS 43008-T08P	1.2	M 3	8
CS 43509-T10P	2	M 3.5	9
CS 44013-T15P	3	M 4	13
CS 45016-T20P	5	M 5	16
CS 46020-T25P	7.5	M 6	20
CS 48025-T40P	15	M 8	25
CS 5009-T20P	5	M 5	9
CS 5013-T20P	5	M 5	13
CS 5015-T20P	5	M 5	15
CS 6020-T20P	7.5	M 6	20
CS 8025-T30P	15	M 8	25
US 2505-T07P	1.2	M 2.5	5
US 2506-T07P	1.2	M 2.5	6
US 3007-T09P	2	M 3	7
US 3505-T09P	3	M 3.5	5
US 4011A-T15P	3.5	M 4	11
US 4011-T15P	3.5	M 4	11
US 44010-T15P	3.5	M 4	10
US 44012-T15P	3.5	M 4	12
US 45011-T20P	5	M 5	11
US 45012-T20P	5	M 5	12
US 5011-T20P	5	M 5	11
US 5018-T20P	5	M 5	18
US 52506-T07P	0.8	M 2.5	6
US 54511-T15P	5	M 4.5	11
US 62003A-T06P	0.6	M 2	3
US 62004A-T06P	0.6	M 2	4
US 62004-T06P	0.6	M 2	4
US 62505-T07P	1.2	M 2.5	5
US 62506-T07P	1.2	M 2.5	6
US 62506-T08P	1.2	M 2.5	6
US 62508-T08P	1.2	M 2.5	7
US 63009-T09P	1.2	M 3	9
US 63509-T15P	3	M 3.5	10
US 63510-T10P	2	M 3.5	9
US 63511D-T15P	3	M 3.5	11
US 63513-T15P	3	M 3.5	12
US 64014-T15P	3.5	M 4	14
US 65013-T20	5	M 5	13
US 65014-T20P	5	M 5	14
US 65017-T20P	5	M 5	17
US 66015-T25P	7.5	M 6	15
US 68020-T30P	15	M 8	20
US 68026-T30P	15	M 8	26
US 74016-T15P	3.5	M 4	16

扭矩扳手

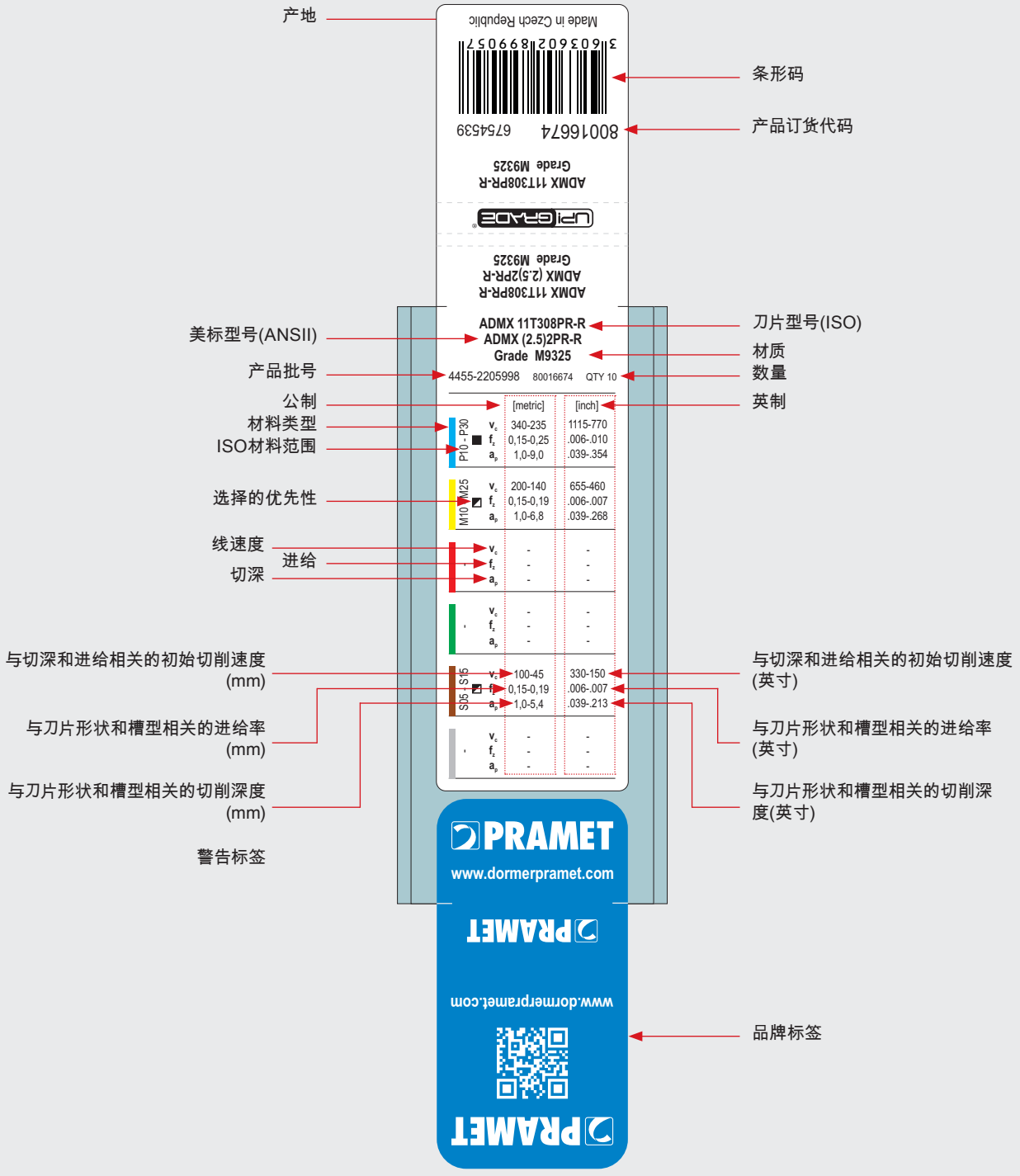
刀柄	扭矩 (Nm)	螺钉螺距
MR-0.8-2.0 Vario	0.5 – 2.0	M 2 – M 3
MR-1.0-5.0 Vario	0.8 – 5.0	M 2.5 – M 5
MR-0.9 fix	0.9	M 2
MR-2.0 fix	2.0	M 3
MR-3.0 fix	3.0	M 3.5
MR-3.5 fix	3.5	M 4
MR-5.0 fix	5.0	M 5

可拆卸扳手

可拆卸扳手
D-T6
D-T6P
D-T7
D-T7P
D-T8
D-T8P
D-T9
D-T9P
D-T15
D-T15P
D-T20
D-T20P

螺钉润滑

刀片夹紧螺钉承受高热应力,推荐所有的螺钉都适用润滑剂 MOLYCOTE 1000.


产地
Made in Czech Republic
条形码
产品订货代码
8001667 4 6754539
ADMX 11T308PR-R
Grade M9325
UPI GRADE
ADMX (2.5)2PR-R
美标型号(ANSII)
刀片型号(ISO)
材质
数量
英制
产品批号
4455-2205998 80016674 QTY 10
公制
材料类型
ISO材料范围
选择的优先性
线速度
进给
切深
[metric] [inch]
P10 – P30
M10 – M25
S05 – S15
340-235 1115-770
0,15-0,25 .006-.010
1,0-9,0 .039-.354
200-140 655-460
0,15-0,19 .006-.007
1,0-6,8 .039-.268
100-45 330-150
0,15-0,19 .006-.007
1,0-5,4 .039-.213
与切深和进给相关的初始切削速度(mm)
与刀片形状和槽型相关的进给率(mm)
与刀片形状和槽型相关的切削深度(mm)
警告标签
与切深和进给相关的初始切削速度(英寸)
与刀片形状和槽型相关的进给率(英寸)
与刀片形状和槽型相关的切削深度(英寸)
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品牌标签

硬度转换表

强度 (MPa)	硬度			
	BRINELL	VICKERS	ROCKWELL	ROCKWELL
R_m	HB	HV	HRB	HRC
285	86	**90**	1190	–
320	95	**100**	56.2	–
350	105	**110**	62.3	–
385	114	**120**	66.7	–
415	124	**130**	71.2	–
450	133	**140**	75.0	–
480	143	**150**	78.7	–
510	152	**160**	81.7	–
545	162	**170**	85.8	–
575	171	**180**	87.1	–
610	181	**190**	89.5	–
640	190	**200**	91.5	–
675	199	**210**	93.5	–
705	209	**220**	95	–
740	219	**230**	96.7	–
770	228	**240**	98.1	–
800	238	**250**	99.5	–
820	242	**255**	–	23.1
850	252	**265**	–	24.8
880	261	**275**	–	26.4
900	266	**280**	–	27.1
930	276	**290**	–	28.5
950	280	**295**	–	29.2
995	295	**310**	–	31.0
1030	304	**320**	–	32.2
1060	314	**330**	–	33.3
1095	323	**340**	–	34.4
1125	333	**350**	–	35.5
1155	342	**360**	–	36.6

强度 (MPa)	硬度			
	BRINELL	VICKERS	ROCKWELL	ROCKWELL
R_m	HB	HV	HRB	HRC
1190	352	**370**	–	37.7
1220	361	**380**	–	38.8
1255	371	**390**	–	39.8
1290	380	**400**	–	40.8
1320	390	**410**	–	41.8
1350	399	**420**	–	42.7
1385	409	**430**	–	43.6
1420	418	**440**	–	44.5
1455	428	**450**	–	45.3
1485	437	**460**	–	46.1
1520	447	**470**	–	46.9
1555	456	**480**	–	47.7
1595	466	**490**	–	48.4
1630	475	**500**	–	49.1
1665	485	**510**	–	49.8
1700	494	**520**	–	50.5
1740	504	**530**	–	51.1
1775	513	**540**	–	51.7
1810	523	**550**	–	52.3
1845	532	**560**	–	53.0
1880	542	**570**	–	53.6
1920	551	**580**	–	54.1
1955	561	**590**	–	54.7
1995	570	**600**	–	55.2
2030	580	**610**	–	55.7
2070	589	**620**	–	56.3
2105	599	**630**	–	56.8
2145	608	**640**	–	57.3
2180	618	**650**	–	57.8

SIMPLY RELIABLE

作为你可以通过切屑判断工件质量的专业公司。该切屑是清洁和简单的形状这本身就在讲述了一个故事。这是一个清晰和一致的信号，这就是为什么我们使用它作为简洁可靠的符号。

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