

ALSHA

CUTTINGTOOLS

ALSHA

整硬铣刀 Solid Milling



刀具样本

整硬铣刀

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致力于提升客户生产效率
在高精度高性能加工领域
为制造业做出贡献

ADVANCING PRODUCTIVITY

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SP	2	E	1.0	R02	N03	T05	L40	D04	-HP
产品系列	刃数	刀具类型	直径	刀尖形状	避空长度3mm	刃口特征	总长	柄部直径4mm	内部号
SP:钢件 (通用型)	2:2刃	E:立铣刀	直径1mm	R:圆角		T:刃口锥度铣刀			A内冷
SN:铝合金	3:3刃	EH:波刃铣刀 (粗铣刀)		C:45°倒角		C:刃口分屑槽			
SM:不锈钢	...	F:快进给							
		R:球头铣刀							

斜坡铣：
通过让Z轴倾斜一定的角度来开槽。

螺旋插补斜坡铣：
通过在Z轴上进行斜坡铣并让刀具进行圆周运动来开槽。

摆线加工：
通过采用侧铣并在X轴或Y轴进行部分圆周运动来开槽。(从槽铣变为侧铣)。

推拉式仿形铣削：
通过沿着型面的轮廓作上下仿形运动来加工一个3D型面。

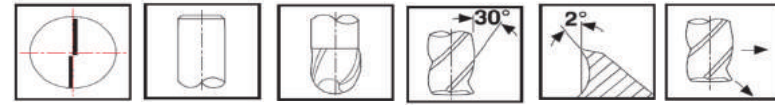
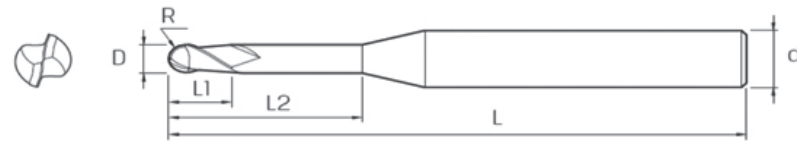
插铣：
使用（Z）轴钻削开出一条深槽。

等高线铣削：
通过在Z轴进行少量的钻削或斜坡铣加工出一个表面，然后沿X与Y轴运动进行型腔铣削。

钻削：
沿Z轴运动来加工一个孔。

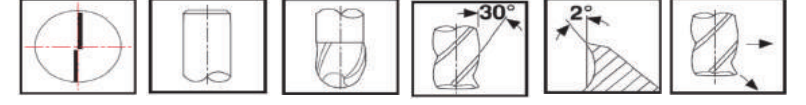
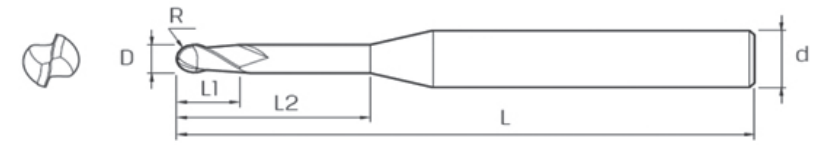
动力铣削粗加工/优化的粗加工：
刀路合理，不管是对简单还是复杂形状的粗加工，能始终保持恒定可靠的切削啮合角。
当较大的轴向切削深度（a_p）和较小的径向切削深度（a_e）与每齿高进给量（f_z）和切削速度（v_c）相作用时，可产生较高的生产效率。

2刃mini球型铣刀



型号	尺寸 mm						
	R/半径	L1/刃长	L2/悬长	D2/颈径	L/全长	d/柄径	T/过渡锥°
SP2R0.20N01D04	R0.2	0.4	1	0.36	50	4	15
SP2R0.20N02D04	R0.2	0.4	2	0.36	50	4	15
SP2R0.20N03D04	R0.2	0.4	3	0.36	50	4	15
SP2R0.20N04D04	R0.2	0.4	4	0.36	50	4	15
SP2R0.25N02D04	R0.25	0.5	2	0.46	50	4	15
SP2R0.25N04D04	R0.25	0.5	4	0.46	50	4	15
SP2R0.25N06D04	R0.25	0.5	6	0.46	50	4	15
SP2R0.30N02D04	R0.3	1	2	0.56	50	4	15
SP2R0.30N04D04	R0.3	1	4	0.56	50	4	15
SP2R0.30N06D04	R0.3	1	6	0.56	50	4	15
SP2R0.30N08D04	R0.3	1	8	0.56	50	4	15
SP2R0.40N04D04	R0.4	1.1	4	0.75	50	4	15
SP2R0.40N06D04	R0.4	1.1	6	0.75	50	4	15
SP2R0.40N08D04	R0.4	1.1	8	0.75	50	4	15
SP2R0.40N10D04	R0.4	1.1	10	0.75	50	4	15
SP2R0.50N04D04	R0.5	1.2	4	0.93	50	4	15
SP2R0.50N06D04	R0.5	1.2	6	0.93	50	4	15
SP2R0.50N08D04	R0.5	1.2	8	0.93	50	4	15
SP2R0.50N10D04	R0.5	1.2	10	0.93	50	4	15
SP2R0.75N06D04	R0.75	1.5	6	1.44	50	4	15
SP2R0.75N08D04	R0.75	1.5	8	1.44	50	4	15
SP2R0.75N10D04	R0.75	1.5	10	1.44	50	4	15
SP2R0.75N12D04	R0.75	1.5	12	1.44	50	4	15
SP2R0.75N14D04	R0.75	1.5	14	1.44	50	4	15
SP2R0.75N16D04	R0.75	1.5	16	1.44	50	4	15
SP2R1.00N08D04	R1.0	2	8	1.94	50	4	15
SP2R1.00N10D04	R1.0	2	10	1.94	50	4	15
SP2R1.00N12D04	R1.0	2	12	1.94	50	4	15
SP2R1.00N14D04	R1.0	2	14	1.94	50	4	15
SP2R1.00N16D04	R1.0	2	16	1.94	50	4	15
SP2R1.00N18D04	R1.0	2	18	1.94	50	4	15
SP2R1.25N10D04	R1.25	2.5	10	2.41	50	4	15
SP2R1.25N16D04	R1.25	2.5	16	2.41	50	4	15
SP2R1.25N20D04	R1.25	2.5	20	2.41	50	4	15
SP2R1.25N25D04	R1.25	2.5	25	2.41	60	4	15
SP2R1.50N12D04	R1.5	3	12	2.91	50	4	15
SP2R1.50N16D04	R1.5	3	16	2.91	50	4	15

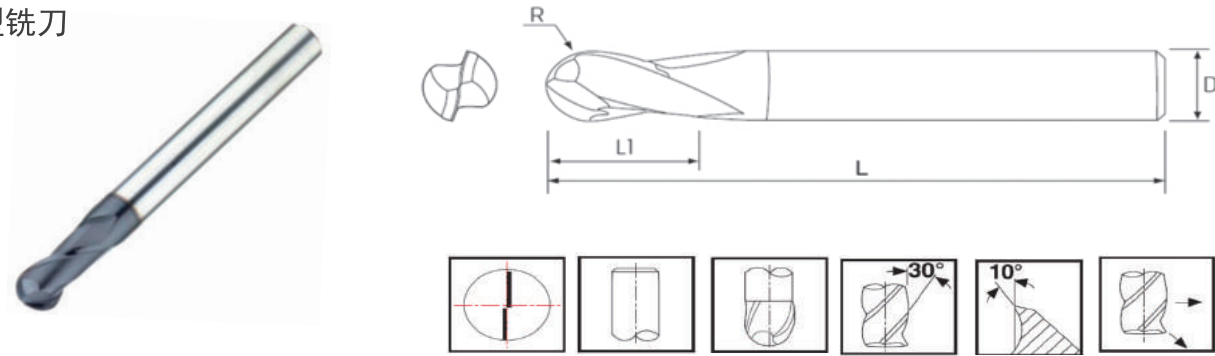
2刃mini球型铣刀

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整硬球头铣刀-SP2R



2刃球型铣刀

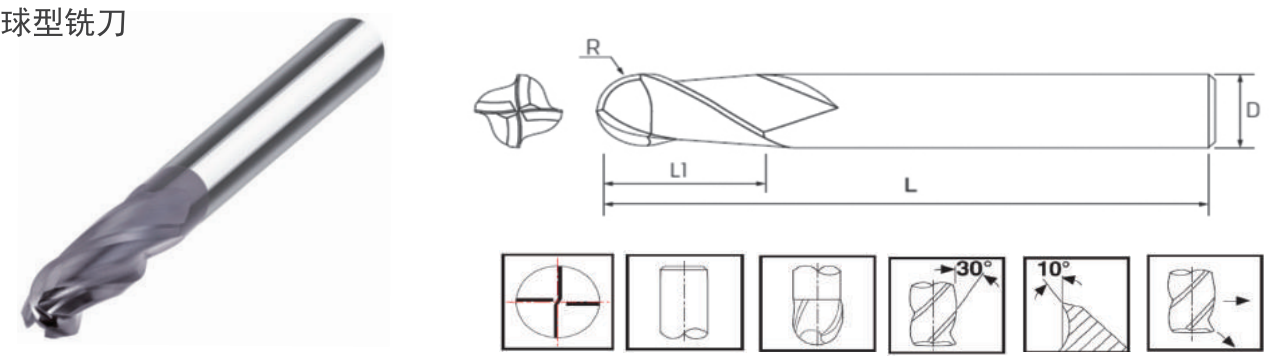


型号	尺寸 mm						
	R/半径	L1/刃长	L2/悬长	D2/颈径	L/全长	D/柄径	T/过渡锥°
SP2R0.50D04	R0.5	2			50	4	15
SP2R0.50D06	R0.5	2			50	6	15
SP2R0.75D04	R0.75	3			50	4	15
SP2R0.75D06	R0.75	3			50	6	15
SP2R1.00D04	R1.0	4			50	4	15
SP2R1.00D06	R1.0	4			50	6	15
SP2R1.25D04	R1.25	5			50	4	15
SP2R1.25D06	R1.25	5			50	6	15
SP2R1.50D04	R1.5	6			50	4	15
SP2R1.50D06	R1.5	6			50	6	15
SP2R2.00D04	R2.0	8			50	4	-
SP2R2.00L075D04	R2.0	8			75	4	-
SP2R2.00D06	R2.0	8			50	6	15
SP2R2.50D06	R2.5	10			50	6	15
SP2R3.00D06	R3.0	12			50	6	-
SP2R3.00L075D06	R3.0	12			75	6	-
SP2R3.00L100D06	R3.0	12			100	6	-
SP2R3.50D08	R3.5	14			60	8	15
SP2R4.00D08	R4.0	16			60	8	-
SP2R4.00L075D08	R4.0	16			75	8	-
SP2R4.00L100D08	R4.0	16			100	8	-
SP2R4.50D10	R4.5	18			75	10	15
SP2R5.00D10	R5.0	20			75	10	-
SP2R5.00L100D10	R5.0	20			100	10	-
SP2R5.00L150D10	R5.0	20			150	10	-
SP2R6.00D12	R6.0	24			75	12	-
SP2R6.00L100D12	R6.0	24			100	12	-
SP2R6.00L150D12	R6.0	24			150	12	-
SP2R7.00D14	R7.0	24			100	14	-
SP2R8.00D16	R8.0	24			100	16	-
SP2R8.00L150D16	R8.0	32			150	16	-
SP2R8.00L200D16	R8.0	32			200	16	-
SP2R10.0D20	R10	30			100	20	-
SP2R10.0L150D20	R10	40			150	20	-
SP2R10.0L200D20	R10	40			200	20	-
SP2R12.5D25	R12.5	35			100	25	-
SP2R12.5L150D25	R12.5	50			150	25	-
SP2R12.5L200D25	R12.5	50			200	25	-

整硬球头铣刀-SP4R



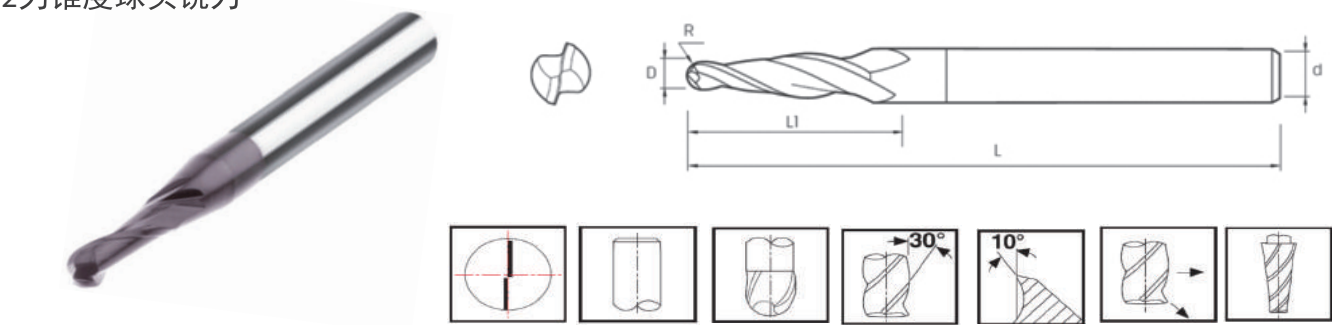
4刃球型铣刀

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整硬球头铣刀-SP2R-T



2刃锥度球头铣刀

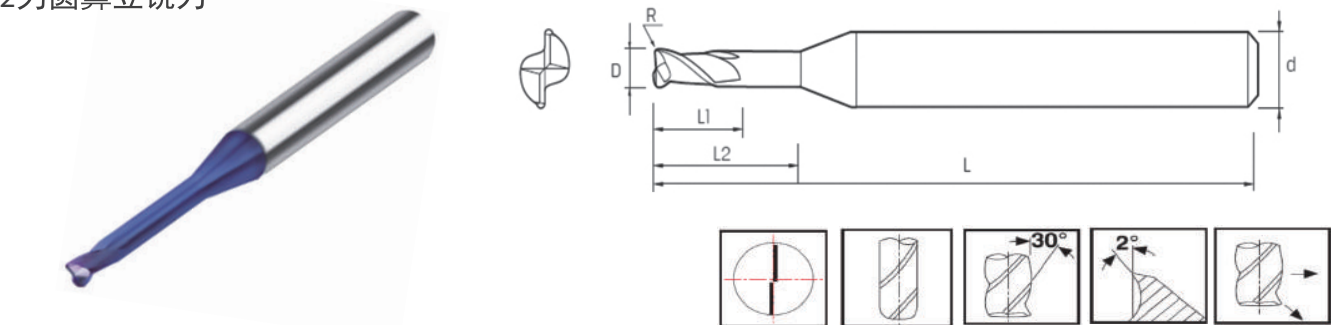


型号	尺寸 mm				
	R/半径	D2/大端径	L/全长	d/柄径	T/锥度°
SP2R0.50T05D04	R0.5	3	40	4	0.5
SP2R0.50T10D04	R0.5	3	40	4	1
SP2R0.50T15D04	R0.5	3	40	4	1.5
SP2R0.50T20D04	R0.5	3	40	4	2
SP2R0.50T30D04	R0.5	3	40	4	3
SP2R0.50T50D04	R0.5	3	40	4	5
SP2R0.50T70D06	R0.5	6	40	6	7
SP2R0.75T05D04	R0.75	6	40	4	0.5
SP2R0.75T10D04	R0.75	6	40	4	1
SP2R0.75T15D04	R0.75	6	40	4	1.5
SP2R0.75T20D04	R0.75	6	40	4	2
SP2R0.75T30D04	R0.75	6	40	4	3
SP2R0.75T70D04	R0.75	6	40	4	7
SP2R1.00T05D04	R1	8	40	4	0.5
SP2R1.00T10D04	R1	8	40	4	1
SP2R1.00T15D04	R1	8	40	4	1.5
SP2R1.00T20D04	R1	8	40	4	2
SP2R1.00T30D04	R1	8	40	4	3
SP2R1.00T40D04	R1	8	40	4	4
SP2R1.00T50D04	R1	8	40	4	5
SP2R1.00T70D04	R1	8	50	4	7
SP2R1.25T05D04	R1.25	10	45	4	0.5
SP2R1.25T10D04	R1.25	10	45	4	1
SP2R1.25T15D04	R1.25	10	45	4	1.5
SP2R1.25T20D04	R1.25	10	45	4	2
SP2R1.25T30D04	R1.25	10	45	4	3
SP2R1.25T40D06	R1.25	10	50	6	4
SP2R1.25T50D06	R1.25	10	50	6	5
SP2R1.25T70D06	R1.25	14.5	60	6	7
SP2R1.25T70D08	R1.25	15	60	8	7
SP2R1.50T70D06	R1.5	12.5	60	6	7
SP2R1.50T70D08	R1.5	15	60	8	7

整硬立铣刀-SP2E mini



2刃圆鼻立铣刀

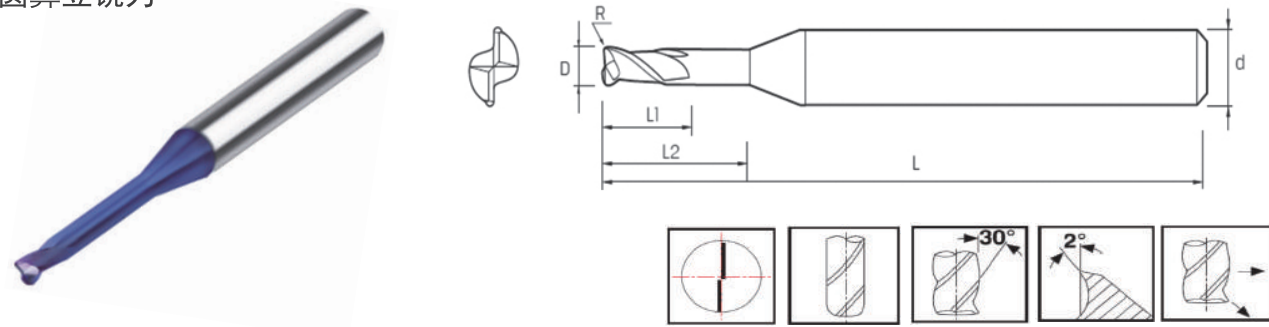


型号	尺寸 mm							
	D1/刃径	刀尖R	L1/刃长	L2/悬长	D2/颈径	L/全长	d/柄径	T/过渡锥°
SP2E0.5N02D04	0.5		0.7	2	0.48	50	4	15
SP2E0.5N03D04	0.5		0.7	3	0.48	50	4	15
SP2E0.5N04D04	0.5		0.7	4	0.48	50	4	15
SP2E0.5N06D04	0.5		0.7	6	0.48	50	4	15
SP2E0.6N02D04	0.6		0.9	2	0.58	50	4	15
SP2E0.6N03D04	0.6		0.9	3	0.58	50	4	15
SP2E0.6N04D04	0.6		0.9	4	0.58	50	4	15
SP2E0.6N06D04	0.6		0.9	6	0.58	50	4	15
SP2E0.8N04D04	0.8		1.2	4	0.78	50	4	15
SP2E0.8N06D04	0.8		1.2	6	0.78	50	4	15
SP2E0.8N08D04	0.8		1.2	8	0.78	50	4	15
SP2E1.0R02N04D04	1	R0.2	2	4	0.95	50	4	15
SP2E1.0R02N06D04	1	R0.2	2	6	0.95	50	4	15
SP2E1.0R02N08D04	1	R0.2	2	8	0.95	50	4	15
SP2E1.0R02N10D04	1	R0.2	2	10	0.95	50	4	15
SP2E1.2R02N04D04	1.2	R0.2	2	4	1.15	50	4	15
SP2E1.2R02N06D04	1.2	R0.2	2	6	1.15	50	4	15
SP2E1.2R02N08D04	1.2	R0.2	2	8	1.15	50	4	15
SP2E1.2R02N10D04	1.2	R0.2	2	10	1.15	50	4	15
SP2E1.2R02N12D04	1.2	R0.2	2	12	1.15	50	4	15
SP2E1.5R02N06D04	1.5	R0.2	2.5	6	1.44	50	4	15
SP2E1.5R02N08D04	1.5	R0.2	2.5	8	1.44	50	4	15
SP2E1.5R02N10D04	1.5	R0.2	2.5	10	1.44	50	4	15
SP2E1.5R02N12D04	1.5	R0.2	2.5	12	1.44	50	4	15
SP2E1.5R02N16D04	1.5	R0.2	2.5	16	1.44	50	4	15
SP2E2.0R02N08D04	2	R0.2	3	8	1.91	50	4	15
SP2E2.0R02N10D04	2	R0.2	3	10	1.91	50	4	15
SP2E2.0R02N12D04	2	R0.2	3	12	1.91	50	4	15
SP2E2.0R02N16D04	2	R0.2	3	16	1.91	50	4	15
SP2E2.0R02N20D04	2	R0.2	3	20	1.91	50	4	15
SP2E2.5R02N10D04	2.5	R0.2	4	10	2.41	50	4	15
SP2E2.5R02N16D04	2.5	R0.2	4	16	2.41	50	4	15
SP2E2.5R02N20D04	2.5	R0.2	4	20	2.41	50	4	15
SP2E2.5R02N25D04	2.5	R0.2	4	25	2.41	60	4	15
SP2E3.0R03N12D06	3	R0.3	4.5	12	2.92	50	6	15
SP2E3.0R03N16D06	3	R0.3	4.5	16	2.92	50	6	15
SP2E3.0R03N20D06	3	R0.3	4.5	20	2.92	50	6	15

整硬球头铣刀-SP2E mini



2刃圆鼻立铣刀

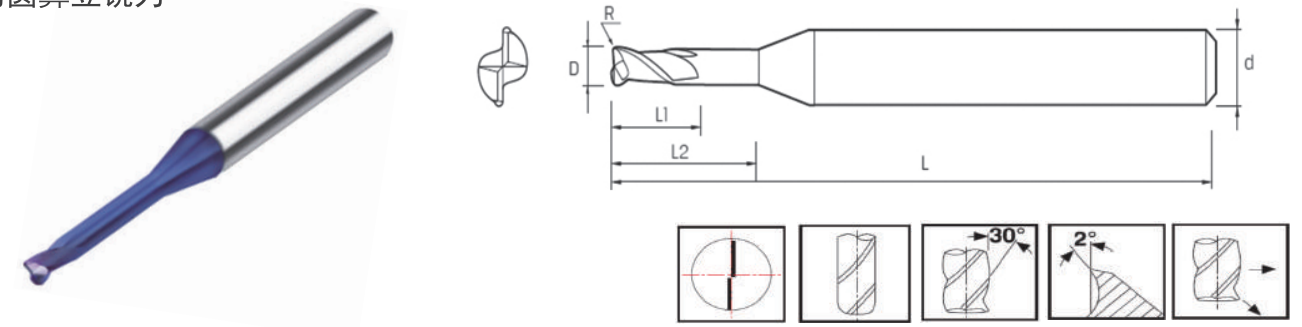


型号	尺寸 mm							
	D1/刃径	刀尖R	L1/刃长	L2/悬长	D2/颈径	L/全长	d/柄径	T/过渡锥°
SP2E3.0R03N25D06	3	R0.3	4.5	25	2.92	60	6	15
SP2E3.0R03N30D06	3	R0.3	4.5	30	2.92	75	6	15
SP2E4.0R02N16D06	4	R0.2	5	16	3.82	50	6	15
SP2E4.0R02N20D06	4	R0.2	5	20	3.82	50	6	15
SP2E4.0R02N25D06	4	R0.2	5	25	3.82	50	6	15
SP2E4.0R02N30D06	4	R0.2	5	30	3.82	60	6	15
SP2E4.0R02N40D06	4	R0.2	5	40	3.82	75	6	15
SP2E4.0R03N16D06	4	R0.3	5	16	3.82	50	6	15
SP2E4.0R03N20D06	4	R0.3	5	20	3.82	50	6	15
SP2E4.0R03N25D06	4	R0.3	5	25	3.82	50	6	15
SP2E4.0R03N30D06	4	R0.3	5	30	3.82	60	6	15
SP2E4.0R03N35D06	4	R0.3	5	40	3.82	75	6	15
SP2E4.0R01D04	4	R0.1	10	-	-	50	4	-
SP2E4.0R02D04	4	R0.2	10	-	-	50	4	-
SP2E4.0R03D04	4	R0.3	10	-	-	50	4	-
SP2E4.0R05D04	4	R0.5	10	-	-	50	4	-
SP2E4.0R10D04	4	R1.0	10	-	-	50	4	-
SP2E5.0R02N16D06	5	R0.2	5	16	4.82	50	6	15
SP2E5.0R02N25D06	5	R0.2	5	25	4.82	60	6	15
SP2E5.0R02N50D06	5	R0.2	5	20	4.82	100	6	15
SP2E5.0R05N16D06	5	R0.5	5	16	4.82	50	6	15
SP2E5.0R05N25D06	5	R0.5	5	25	4.82	60	6	15
SP2E5.0R05N50D06	5	R0.5	5	20	4.82	100	6	15
SP2E5.0R02D06	5	R0.2	13	15	5	50	6	15
SP2E5.0R03D06	5	R0.3	13	15	5	50	6	15
SP2E5.0R05D06	5	R0.5	13	15	5	50	6	15
SP2E5.0R10D06	5	R1.0	13	15	5	50	6	15
SP2E6.0R02D06	6	R0.2	15	-	-	50	6	-
SP2E6.0R03D06	6	R0.3	15	-	-	50	6	-
SP2E6.0R05D06	6	R0.5	15	-	-	50	6	-
SP2E6.0R10D06	6	R1.0	15	-	-	50	6	-
SP2E6.0R15D06	6	R1.5	15	-	-	50	6	-
SP2E6.0R20D06	6	R2.0	15	-	-	50	6	-
SP2E8.0R02D08	8	R0.2	20	-	-	60	8	-
SP2E8.0R05D08	8	R0.5	20	-	-	60	8	-
SP2E8.0R10D08	8	R1.0	20	-	-	60	8	-
SP2E8.0R15D08	8	R1.5	20	-	-	60	8	-

整硬立铣刀-SP2E mini



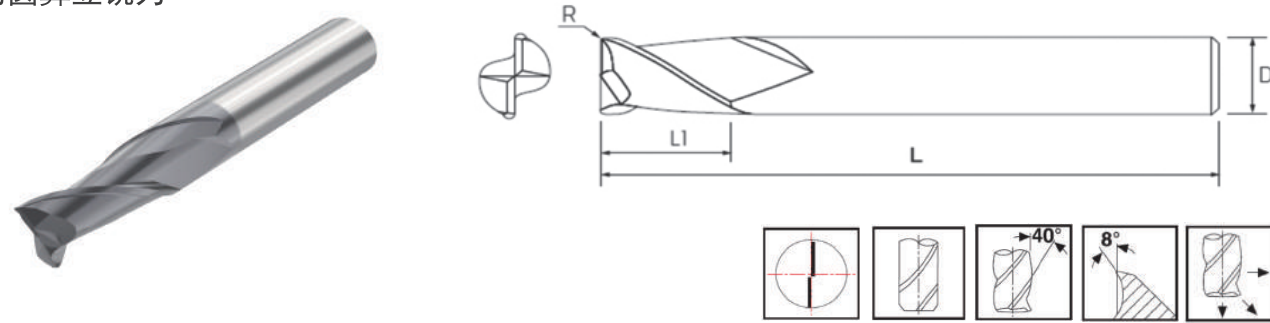
2刃圆鼻立铣刀

[illegible]

整硬立铣刀-SP2E



2刃圆鼻立铣刀

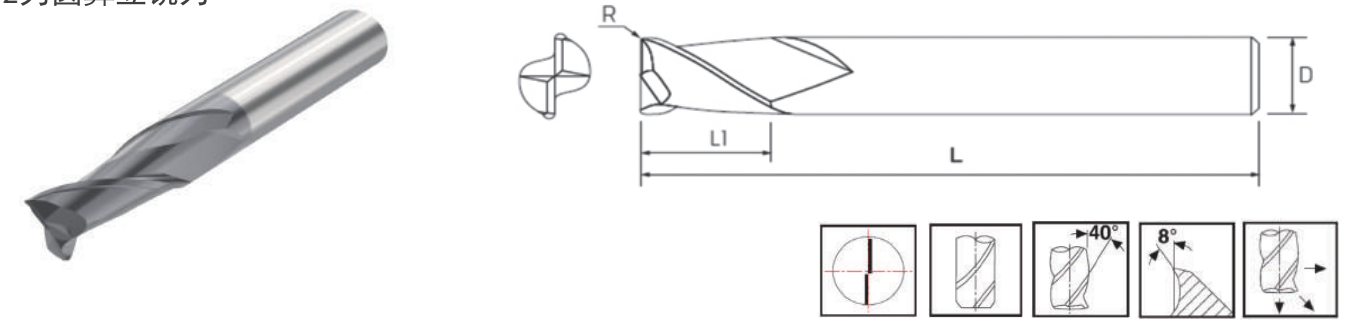


型号	尺寸 mm					
	D1/直径	R/刀尖	L1/刃长	L/全长	D/柄径	T/过渡锥°
SP2E3.0R02L075D06	3	R0.2	7.5	75	6	15
SP2E3.0R03L075D06	3	R0.3	7.5	75	6	15
SP2E3.0R05L075D06	3	R0.5	7.5	75	6	15
SP2E3.0R10L075D06	3	R1.0	7.5	75	6	15
SP2E4.0R01L075D06	4	R0.1	10	75	6	15
SP2E4.0R02L075D06	4	R0.2	10	75	6	15
SP2E4.0R03L075D06	4	R0.3	10	75	6	15
SP2E4.0R05L075D06	4	R0.5	10	75	6	15
SP2E4.0R10L075D06	4	R1.0	10	75	6	15
SP2E5.0R02L075D06	5	R0.2	13	75	6	15
SP2E5.0R03L075D06	5	R0.3	13	75	6	15
SP2E5.0R05L075D06	5	R0.5	13	75	6	15
SP2E5.0R10L075D06	5	R1.0	13	75	6	15
SP2E6.0R02L075D06	6	R0.2	15	75	6	-
SP2E6.0R03L075D06	6	R0.3	15	75	6	-
SP2E6.0R05L075D06	6	R0.5	15	75	6	-
SP2E6.0R10L075D06	6	R1.0	15	75	6	-
SP2E6.0R15L075D06	6	R1.5	15	75	6	-
SP2E6.0R20L075D06	6	R2.0	15	75	6	-
				-		
SP2E8.0R02L100D08	8	R0.2	20	100	8	-
SP2E8.0R05L100D08	8	R0.5	20	100	8	-
SP2E8.0R10L100D08	8	R1.0	20	100	8	-
SP2E8.0R15L100D08	8	R1.5	20	100	8	-
SP2E8.0R20L100D08	8	R2.0	20	100	8	-
SP2E8.0R25L100D08	8	R2.5	20	100	8	-
SP2E10.0R02L100D10	10	R0.2	25	100	10	-
SP2E10.0R05L100D10	10	R0.5	25	100	10	-
SP2E10.0R10L100D10	10	R1.0	25	100	10	-
SP2E10.0R15L100D10	10	R1.5	25	100	10	-
SP2E10.0R20L100D10	10	R2.0	25	100	10	-
SP2E10.0R25L100D10	10	R2.5	25	100	10	-

整硬立铣刀-SP2E



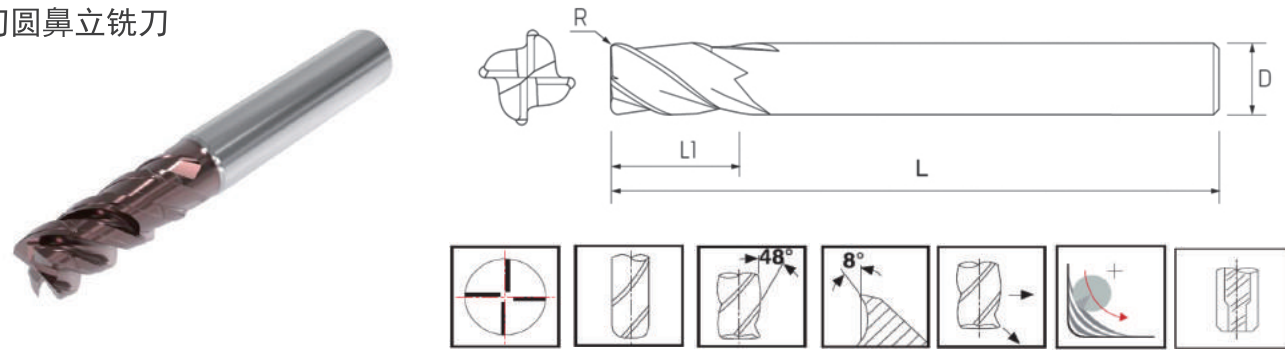
2刃圆鼻立铣刀

[illegible]

整硬立铣刀-SP4E



4刃圆鼻立铣刀

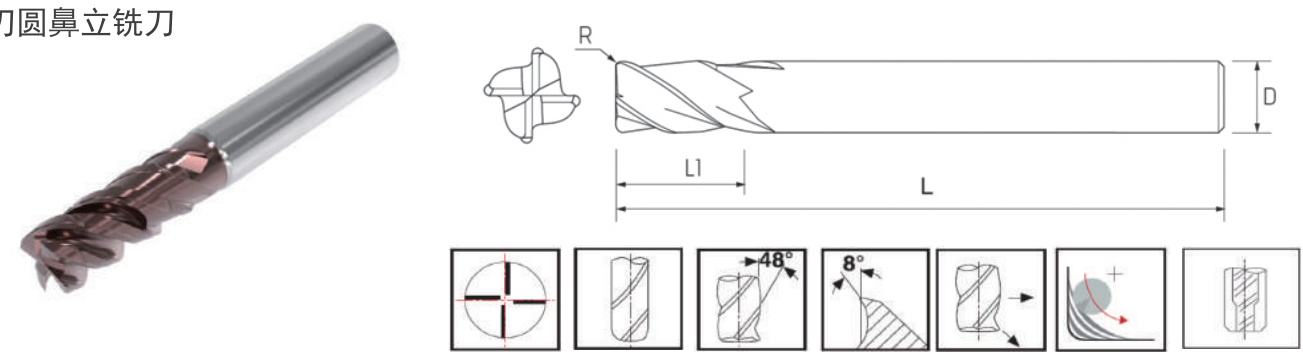


型号	尺寸 mm					
	D1/直径	R/刀尖	L1/刃长	L/全长	D/柄径	T/过渡锥°
SP4E1.0R01D04	1	R0.1	3	50	4	15
SP4E1.0R02D04	1	R0.2	3	50	4	15
SP4E1.5R02D04	1.5	R0.2	3	50	4	15
SP4E2.0R01D04	2	R0.1	5	50	4	15
SP4E2.0R02D04	2	R0.2	5	50	4	15
SP4E2.0R03D04	2	R0.3	5	50	4	15
SP4E2.0R05D04	2	R0.5	5	50	4	15
SP4E2.5R01D04	2.5	R0.1	6	50	4	15
SP4E2.5R02D04	2.5	R0.2	6	50	4	15
SP4E2.5R03D04	2.5	R0.3	6	50	4	15
SP4E2.5R05D04	2.5	R0.5	6	50	4	15
SP4E3.0R01D04	3	R0.1	7.5	50	4	15
SP4E3.0R02D04	3	R0.2	7.5	50	4	15
SP4E3.0R03D04	3	R0.3	7.5	50	4	15
SP4E3.0R05D04	3	R0.5	7.5	50	4	15
SP4E3.0R10D04	3	R1.0	7.5	50	4	15
SP4E4.0R01D04	4	R0.1	10	50	4	-
SP4E4.0R02D04	4	R0.2	10	50	4	-
SP4E4.0R03D04	4	R0.3	10	50	4	-
SP4E4.0R05D04	4	R0.5	10	50	4	-
SP4E4.0R10D04	4	R1.0	10	50	4	-
SP4E5.0R02D06	5	R0.2	13	50	6	15
SP4E5.0R03D06	5	R0.3	13	50	6	15
SP4E5.0R05D06	5	R0.5	13	50	6	15
SP4E5.0R10D06	5	R1.0	13	50	6	15
SP4E6.0R02D06	6	R0.2	15	50	6	-
SP4E6.0R03D06	6	R0.3	15	50	6	-
SP4E6.0R05D06	6	R0.5	15	50	6	-
SP4E6.0R10D06	6	R1.0	15	50	6	-
SP4E6.0R15D06	6	R1.5	15	50	6	-
SP4E6.0R20D06	6	R2.0	15	50	6	-
SP4E8.0R02D08	8	R0.2	20	60	8	-
SP4E8.0R05D08	8	R0.5	20	60	8	-
SP4E8.0R10D08	8	R1.0	20	60	8	-
SP4E8.0R15D08	8	R1.5	20	60	8	-
SP4E8.0R20D08	8	R2.0	20	60	8	-
SP4E8.0R25D08	8	R2.5	20	60	8	-

整硬立铣刀-SP4E



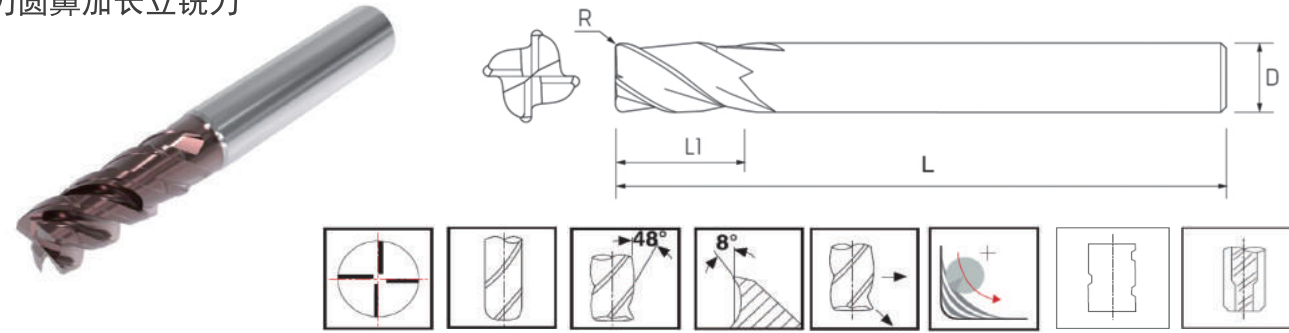
4刃圆鼻立铣刀

[illegible]

整硬立铣刀-SP4E



4刃圆鼻加长立铣刀

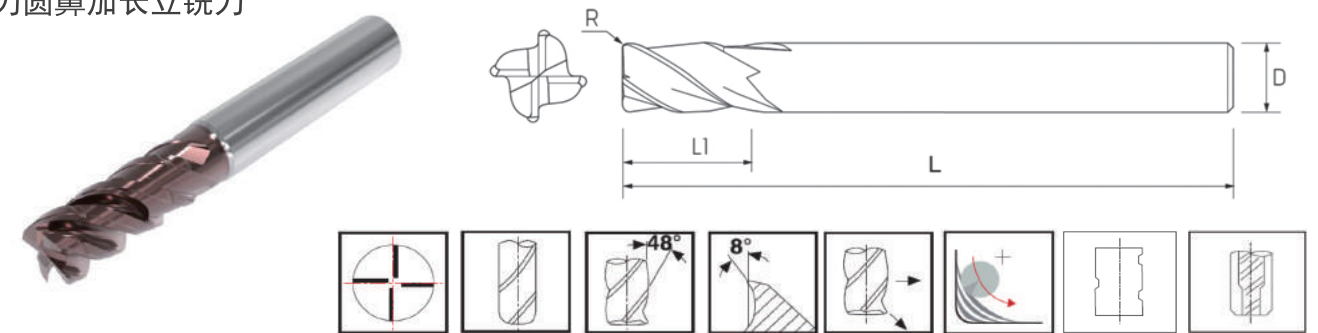


型号	尺寸 mm					
	D1/直径	R/刀尖	L1/刃长	L/全长	D/柄径	T/过渡锥°
SP4E3.0R02L075D06	3	R0.2	12	75	6	15
SP4E3.0R03L075D06	3	R0.3	12	75	6	15
SP4E3.0R05L075D06	3	R0.5	12	75	6	15
SP4E3.0R10L075D06	3	R1.0	12	75	6	15
SP4E4.0R01L075D06	4	R0.1	16	75	6	15
SP4E4.0R02L075D06	4	R0.2	16	75	6	15
SP4E4.0R03L075D06	4	R0.3	16	75	6	15
SP4E4.0R05L075D06	4	R0.5	16	75	6	15
SP4E4.0R10L075D06	4	R1.0	16	75	6	15
SP4E5.0R02L075D06	5	R0.2	20	75	6	15
SP4E5.0R03L075D06	5	R0.3	20	75	6	15
SP4E5.0R05L075D06	5	R0.5	20	75	6	15
SP4E5.0R10L075D06	5	R1.0	20	75	6	15
SP4E6.0R02C4L075D06	6	R0.2	24	75	6	-
SP4E6.0R03C4L075D06	6	R0.3	24	75	6	-
SP4E6.0R05C4L075D06	6	R0.5	24	75	6	-
SP4E6.0R10C4L075D06	6	R1.0	24	75	6	-
SP4E6.0R15C4L075D06	6	R1.5	24	75	6	-
SP4E6.0R20C4L075D06	6	R2.0	24	75	6	-
SP4E8.0R02C4L100D08	8	R0.2	32	100	8	-
SP4E8.0R05C4L100D08	8	R0.5	32	100	8	-
SP4E8.0R10C4L100D08	8	R1.0	32	100	8	-
SP4E8.0R15C4L100D08	8	R1.5	32	100	8	-
SP4E8.0R20C4L100D08	8	R2.0	32	100	8	-
SP4E8.0R25C4L100D08	8	R2.5	32	100	8	-
				-		
SP4E10.0R02C4L100D10	10	R0.2	40	100	10	-
SP4E10.0R05C4L100D10	10	R0.5	40	100	10	-
SP4E10.0R10C4L100D10	10	R1.0	40	100	10	-
SP4E10.0R15C4L100D10	10	R1.5	40	100	10	-
SP4E10.0R20C4L100D10	10	R2.0	40	100	10	-
SP4E10.0R25C4L100D10	10	R2.5	40	100	10	-

整硬立铣刀-SP4E



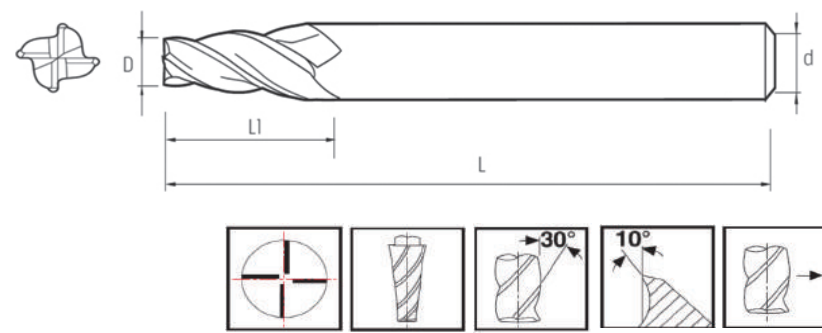
4刃圆鼻加长立铣刀

[illegible]

整硬立铣刀-SP4E-T



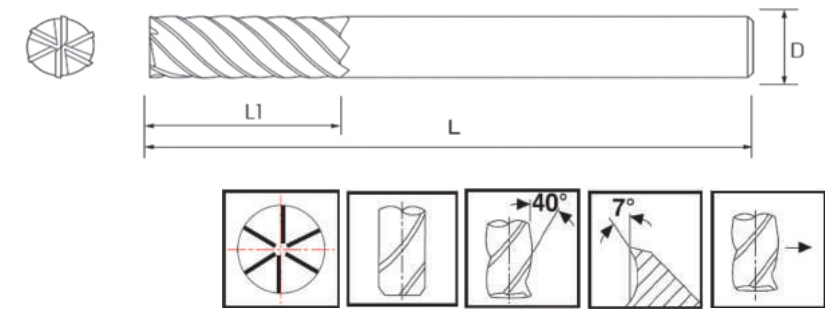
4刃锥度立铣刀

[illegible]

整硬立铣刀-SP6E



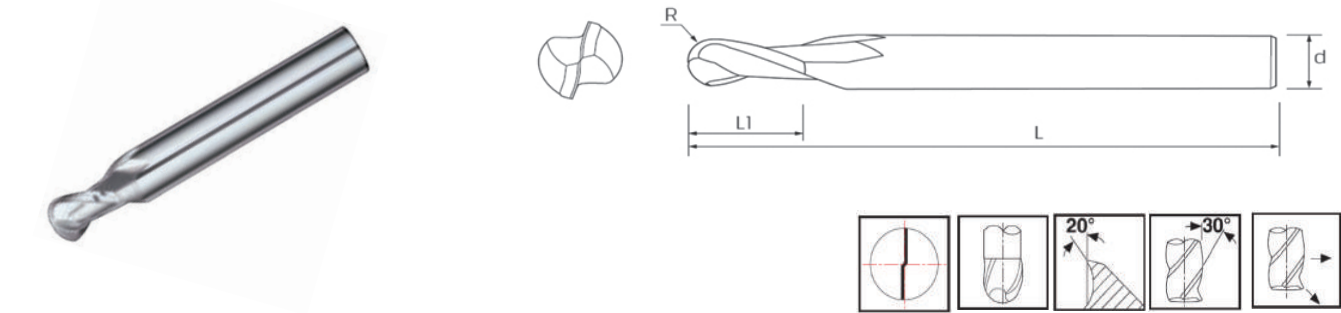
6刃立铣刀

[illegible]

整硬球头铣刀-SA2R



2刃球型铣刀

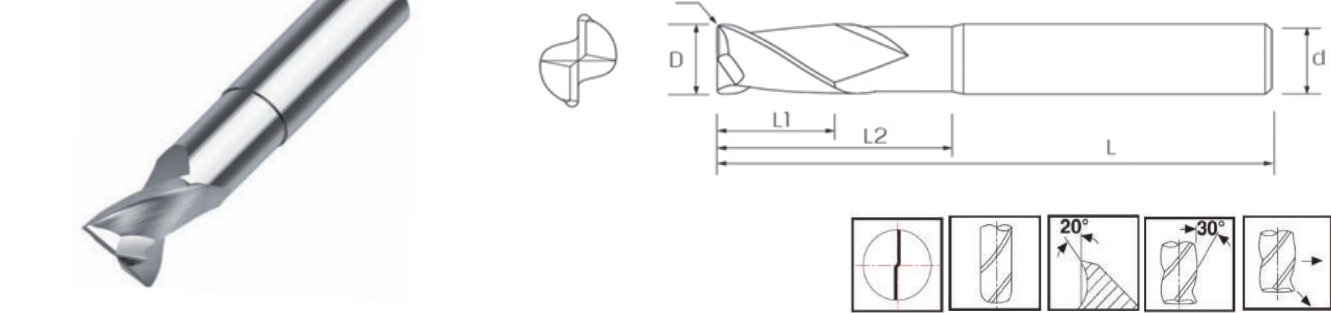


型号	尺寸 mm					
	R/直径	D/直径	L1/刃长	L/全长	d/柄径	Z齿数
SA2R0.5D04	R0.5	1	2	50	4	2
SA2R0.75D04	R0.75	1.5	3	50	4	2
SA2R1.0D04	R1	2	4	50	4	2
SA2R1.0L075D04	R1	2	4	75	4	2
SA2R1.25D04	R1.25	2.5	5	50	4	2
SA2R1.25L075D04	R1.25	2.5	5	75	4	2
SA2R1.5D04	R1.5	3	6	50	4	2
SA2R1.5L075D04	R1.5	3	6	75	4	2
SA2R2.0D04	R2	4	8	50	4	2
SA2R2.0L075D04	R2	4	8	75	4	2
SA2R2.5D06	R2.5	5	10	50	6	2
SA2R2.5L075D06	R2.5	5	10	75	6	2
SA2R2.5L100D06	R2.5	5	10	100	6	2
SA2R3.0D06	R3	6	14	50	6	2
SA2R3.0L075D06	R3	6	14	75	6	2
SA2R3.0L100D06	R3	6	14	100	6	2
SA2R4.0D08	R4	8	16	60	8	2
SA2R4.0L100D08	R4	8	16	100	8	2
SA2R4.0L150D08	R4	8	16	150	8	2
SA2R5.0D10	R5	10	18	75	10	2
SA2R5.0L100D10	R5	10	18	100	10	2
SA2R5.0L150D10	R5	10	18	150	10	2
SA2R6.0D12	R6	12	24	75	12	2
SA2R6.0L100D12	R6	12	24	100	12	2
SA2R6.0L150D12	R6	12	24	150	12	2
SA2R7.0D14	R7	14	24	100	14	2
SA2R8.0D16	R8	16	24	100	16	2
SA2R8.0L150D16	R8	16	24	150	16	2
SA2R8.0L200D16	R8	16	24	200	16	2
SA2R10.0D20	R10	20	30	100	20	2
SA2R10.0L150D20	R10	20	30	150	20	2
SA2R10.0L200D20	R10	20	30	200	20	2
SA2R12.5D25	R12.5	25	35	100	25	2
SA2R12.5L150D25	R12.5	25	35	150	25	2
SA2R12.5L200D25	R12.5	25	35	200	25	2

整硬立铣刀-SA2E



2刃圆鼻铣刀

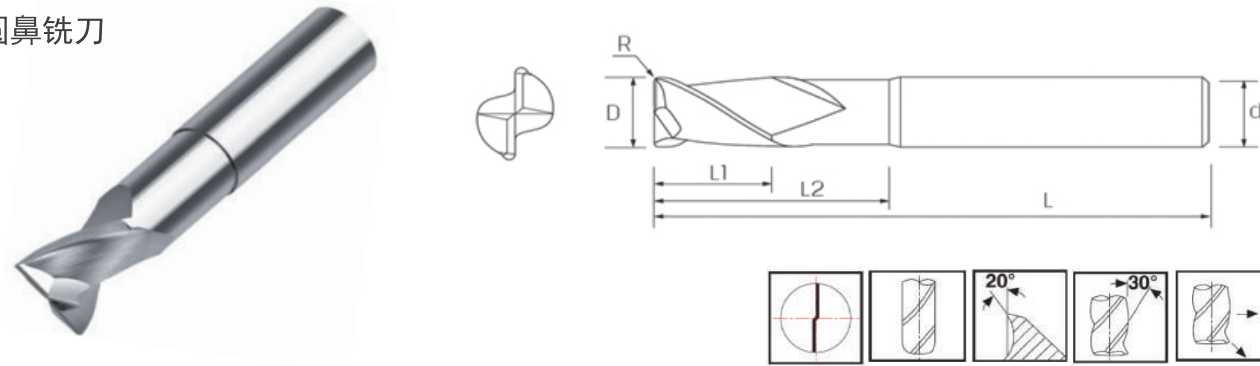


型号	尺寸 mm					
	D1/直径	R/刀尖	L1/刃长	L/全长	d/柄径	Z齿数
SA2E1.0R01D04	1	R0.1	3	50	4	2
SA2E1.0R02D04	1	R0.1	3	50	4	2
SA2E1.5R02D04	1.5	R0.2	3	50	4	2
SA2E2.0R02D04	2	R0.2	5	50	4	2
SA2E2.0R03D04	2	R0.3	5	50	4	2
SA2E2.0R05D04	2	R0.5	5	50	4	2
SA2E2.5R02D04	2.5	R0.2	6	50	4	2
SA2E2.5R05D04	2.5	R0.5	6	50	4	2
SA2E3.0R02D04	3	R0.2	8	50	4	2
SA2E3.0R03D04	3	R0.3	8	50	4	2
SA2E3.0R05D04	3	R0.5	8	50	4	2
SA2E3.0R10D04	3	R1.0	8	50	4	2
SA2E4.0R02D04	4	R0.2	10	50	4	2
SA2E4.0R03D04	4	R0.3	10	50	4	2
SA2E4.0R05D04	4	R0.5	10	50	4	2
SA2E4.0R10D04	4	R1.0	10	50	4	2
SA2E5.0R02D06	5	R0.2	13	50	6	2
SA2E5.0R03D06	5	R0.3	13	50	6	2
SA2E5.0R05D06	5	R0.5	13	50	6	2
SA2E5.0R10D06	5	R1.0	13	50	6	2
SA2E6.0R03D06	6	R0.3	15	50	6	2
SA2E6.0R05D06	6	R0.5	15	50	6	2
SA2E6.0R10D06	6	R1.0	15	50	6	2
SA2E6.0R15D06	6	R1.5	15	50	6	2
SA2E6.0R20D06	6	R2.0	15	50	6	2
SA2E8.0R05D08	8	R0.5	20	60	8	2
SA2E8.0R10D08	8	R1.0	20	60	8	2
SA2E8.0R15D08	8	R1.5	20	60	8	2
SA2E8.0R20D08	8	R2.0	20	60	8	2
SA2E8.0R25D08	8	R2.5	20	60	8	2
SA2E10.0R05D10	10	R0.5	25	75	10	2
SA2E10.0R10D10	10	R1.0	25	75	10	2
SA2E10.0R15D10	10	R1.5	25	75	10	2
SA2E10.0R20D10	10	R2.0	25	75	10	2
SA2E10.0R25D10	10	R2.5	25	75	10	2
SA2E12.0R05D12	12	R0.5	30	75	12	2
SA2E12.0R10D12	12	R1.0	30	75	12	2

整硬立铣刀-SA2E



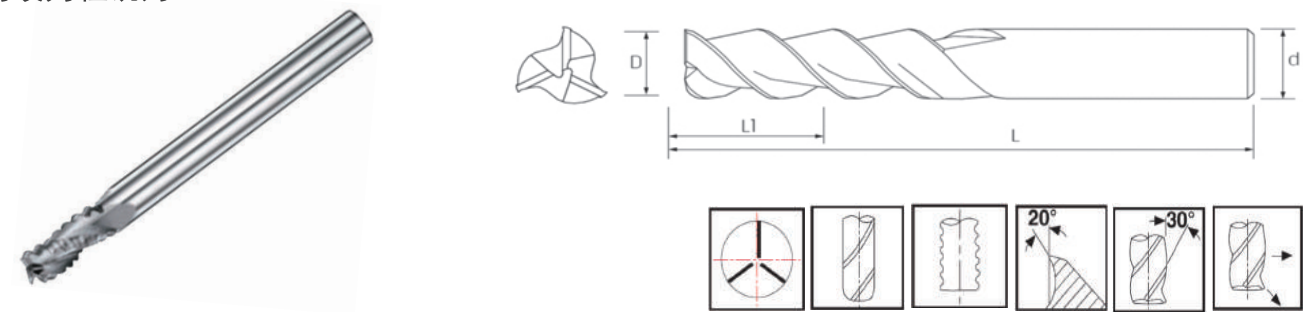
2刃圆鼻铣刀

[illegible]

整硬立铣刀-SA3EH(W)

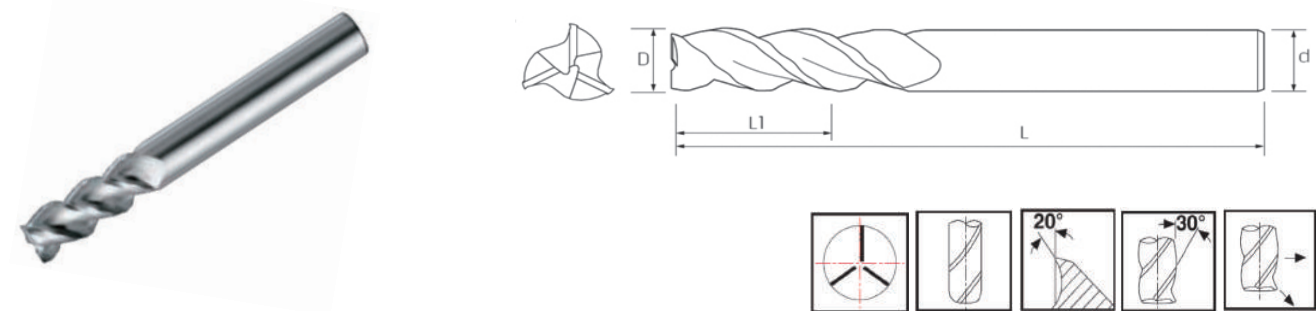


3刃波刃粗铣刀



型号	尺寸 mm					
	D1/直径	R/刀尖	L1/刃长	L/全长	d/柄径	Z齿数
SA3EH6.0D06	6	C0.1	18	60	6	3
SA3EH8.0D08	8	C0.1	20	60	8	3
SA3EH10.0D10	10	C0.1	30	75	10	3
SA3EH12.0D12	12	C0.1	30	75	12	3
SA3EH16.0D16	16	C0.1	45	100	16	3
SA3EH20.0D20	20	C0.1	45	100	20	3

3刃波型刃铣刀-EW



型号	尺寸 mm					
	D1/直径	R/刀尖	L1/刃长	L/全长	d/柄径	Z齿数
SA3EW4.0D04	4	C0.1	12	50	4	3
SA3EW6.0D06	6	C0.1	18	60	6	3
SA3EW8.0D08	8	C0.2	20	60	8	3
SA3EW10.0D10	10	C0.2	30	75	10	3
SA3EW12.0D12	12	C0.2	30	75	12	3
SA3EW16.0D16	16	C.3	45	100	16	3
SA3EW20.0D20	20	C0.5	45	100	20	3

整硬立铣刀-NB473E/513EH-HNA



3刃内冷立铣刀-铝合金铣刀



型号	尺寸 mm							
	DC	C	L1	L2	L	DN	DMM	Z
NB473E060L57D6-HNA	6.0	0.20	13.0	18	57	5.8	6.0	3
NB473E060L80D6-HNA	6.0	0.20	13.0	42	80	5.8	6.0	3
NB473E080L63D8-HNA	8.0	0.20	21.0	25	63	7.8	8.0	3
NB473E080L100D8-HNA	8.0	0.20	21.0	62	100	7.8	8.0	3
NB473E100L72D10-HNA	10.0	0.20	22.0	30	72	9.7	10.0	3
NB473E100L100D10-HNA	10.0	0.20	22.0	58	100	9.7	10.0	3
NB473E120L83D12-HNA	12.0	0.20	26.0	36	83	11.7	12.0	3
NB473E120L120D12-HNA	12.0	0.20	26.0	73	120	11.7	12.0	3
NB473E160L92D16-HNA	16.0	0.20	36.0	42	92	15.7	16.0	3
NB473E160L150D16-HNA	16.0	0.20	36.0	100	150	15.7	16.0	3
NB473E180L92D18-HNA	18.0	0.20	36.0	42	92	17.6	18.0	3
NB473E180L150D18-HNA	18.0	0.20	36.0	100	150	17.6	18.0	3
NB473E200L104D20-HNA	20.0	0.20	41.0	52	104	19.5	20.0	3
NB473E200L150D20-HNA	20.0	0.20	41.0	98	150	19.5	20.0	3
NB473E250L121D25-HNA	25.0	0.30	50.0	65	121	24.5	25.0	3

3刃内冷立铣刀-铝合金铣刀



型号	尺寸 mm							
	DC	C	L1	L2	L	DN	DMM	Z
NB513EH060L57D6-HNA	6.0	0.20	14.0	20	57	5.7	6.0	3
NB513EH080L63D8-HNA	8.0	0.25	21.0	26	63	7.4	8.0	3
NB513EH100L72D10-HNA	10.0	0.30	23.0	31	72	9.5	10.0	3
NB513EH120L83D12-HNA	12.0	0.35	27.0	37	83	11	12.0	3
NB513EH160L92D16-HNA	16.0	0.40	36.0	43	92	15	16.0	3
NB513EH200L104D20-HNA	20.0	0.40	41.0	52	104	19	20.0	3

整体硬质合金螺纹铣刀



TM-M10X1.5-27.75-D8

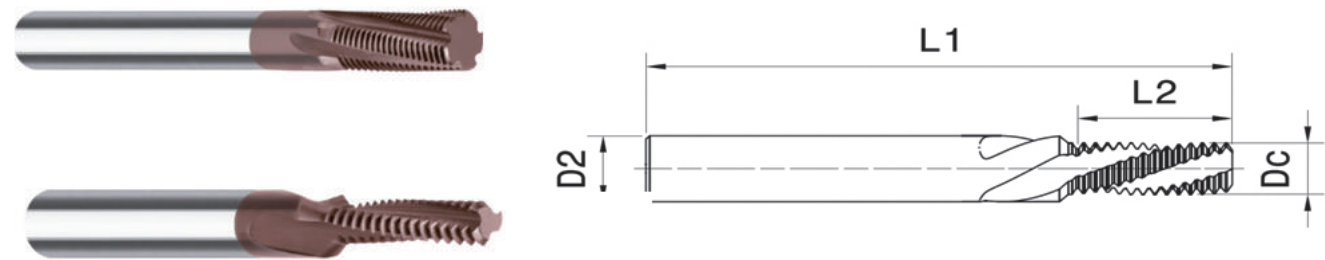
TM	-M10	X1.5	-27.75	-D8	CA
ThreadMill	螺类型 最小螺纹直径	螺距	有效螺纹长度	柄径	A: 中心内冷 CA: 侧刃内冷

TM-M5A60-10-D4

TM	-M5	A60	-10	-D4	
ThreadMill	最小螺纹直径	牙型角	有效长度	柄径	

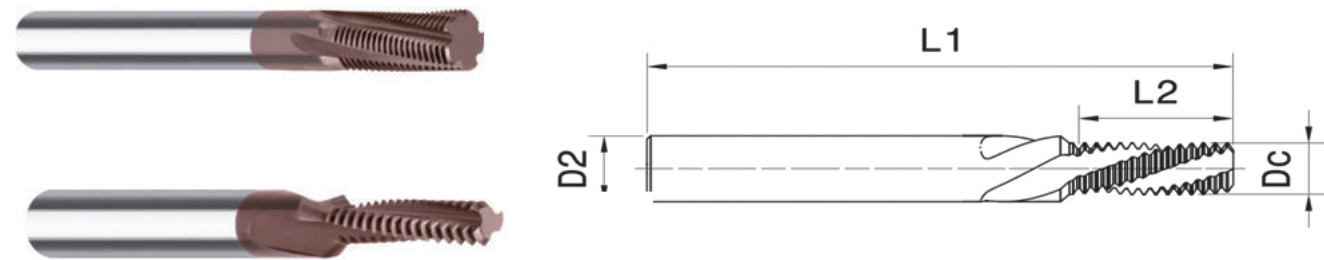


公制螺纹-用于内螺纹



型号	尺寸 mm					
	螺距	DC	L2	L1	D2	Z
TM-M2X0.4-3.4-D4	0.40	1.50	3.40	50	4	3
TM-M2X0.4-4.6-D4	0.40	1.50	4.60	50	4	3
TM-M2.2X0.45-3.82-D4	0.45	1.60	3.82	50	4	3
TM-M2.2X0.45-5.17-D4	0.45	1.60	5.17	50	4	3
TM-M2.5X0.45-4.27-D4	0.45	1.90	4.27	50	4	3
TM-M2.5X0.45-5.62-D4	0.45	1.90	5.62	50	4	3
TM-M3X0.5-5.25-D4	0.50	2.30	5.25	50	4	3
TM-M3X0.5-6.75-D4	0.50	2.30	6.75	50	4	3
TM-M3X0.5-8.25-D4	0.50	2.30	8.25	50	4	3
TM-M3.5X0.6-6.3-D4	0.60	2.60	6.30	50	4	3
TM-M3.5X0.6-8.1-D4	0.60	2.60	8.10	50	4	3
TM-M4X0.7-7.35-D4	0.70	3.00	7.35	50	4	3
TM-M4X0.7-8.75-D4	0.70	3.00	8.75	50	4	3
TM-M4X0.7-10.85-D4	0.70	3.00	10.85	50	4	3
TM-M4.5X0.75-7.87-D4	0.75	3.40	7.87	50	4	3
TM-M4.5X0.75-10.12-D4	0.75	3.40	10.12	50	4	3
TM-M6X0.75-10.87-D6	0.75	4.50	10.87	63	6	3
TM-M6X0.75-16.87-D6	0.75	4.50	16.87	63	6	3
TM-M5X0.8-8.4-D4	0.80	3.80	8.40	50	4	3
TM-M5X0.8-10.8-D4	0.80	3.80	10.80	50	4	3
TM-M5X0.8-13.2-D4	0.80	3.80	13.20	50	4	3
TM-M6X1-10.5-D6	1.00	4.50	10.50	63	6	3
TM-M6X1-13.5-D6	1.00	4.50	13.50	63	6	3
TM-M6X1-16.5-D6	1.00	4.50	16.50	63	6	3
TM-M6X1-19.5-D6	1.00	4.50	19.50	63	6	3
TM-M8X1-13.5-D6	1.00	6.00	13.50	63	6	3
TM-M10X1-17.5-D8	1.00	8.00	17.50	63	8	4
TM-M14X1-21.5-D12	1.00	12.00	21.50	63	12	6
TM-M8X1.25-14.37-D6	1.25	6.00	14.37	63	6	3
TM-M8X1.25-18.12-D6	1.25	6.00	18.12	63	6	3
TM-M8X1.25-21.87-D6	1.25	6.00	21.87	63	6	3
TM-M8X1.25-25.62-D6	1.25	6.00	25.62	76	6	3
TM-M10X1.5-17.25-D8	1.50	7.50	17.25	63	8	3
TM-M10X1.5-21.75-D8	1.50	7.50	21.75	76	8	3
TM-M10X1.5-27.75-D8	1.50	7.50	27.75	76	8	3
TM-M10X1.5-32.25-D8	1.50	7.50	32.25	76	8	3
TM-M14X1.5-23.35-D10	1.50	10.00	23.35	76	10	4

公制螺纹-用于内螺纹

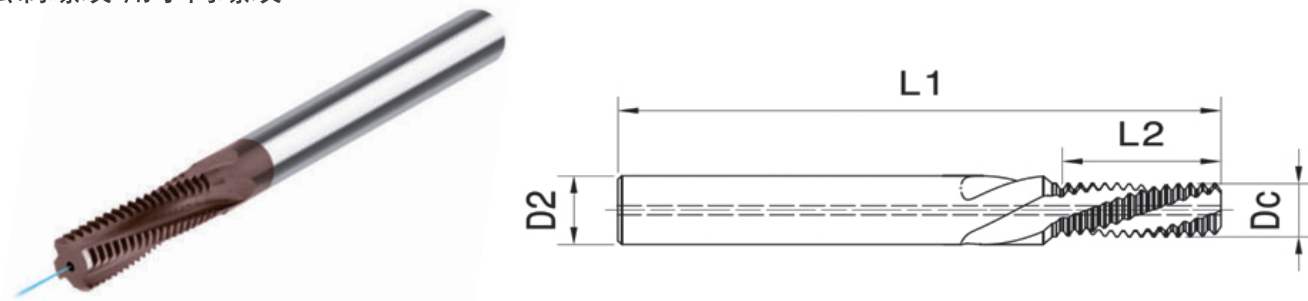


型号	尺寸 mm					
	螺距	DC	L2	L1	D2	Z
TM-M16X1.5-29.25-D12	1.50	12.00	29.25	83	12	4
TM-M20X1.5-35.25-D16	1.50	16.00	35.25	100	16	6
TM-M12X1.75-20.12-D8	1.75	8.00	20.12	76	8	3
TM-M12X1.75-27.12-D8	1.75	8.00	27.12	76	8	3
TM-M12X1.75-32.37-D10	1.75	9.00	32.37	100	10	3
TM-M12X1.75-37.62-D10	1.75	9.00	37.62	100	10	3
TM-M14X2-23-D10	2.00	10.00	23.00	76	10	3
TM-M14X2-31-D10	2.00	10.00	31.00	100	10	3
TM-M14X2-37-D10	2.00	10.00	37.00	100	10	3
TM-M16X2-27-D12	2.00	12.00	27.00	83	12	4
TM-M16X2-35-D12	2.00	12.00	35.00	100	12	4
TM-M16X2-43-D12	2.00	12.00	43.00	100	12	4
TM-M16X2-51-D12	2.00	12.00	51.00	100	12	3
TM-M20X2-39-D16	2.00	16.00	39.00	100	16	5
TM-M24X2-43-D20	2.00	20.00	43.00	100	20	6
TM-M30X2-57-D25	2.00	25.00	57.00	130	25	6
TM-M18X2.5-31.25-D12	2.50	12.00	31.25	100	12	3
TM-M18X2.5-38.75-D12	2.50	12.00	38.75	100	12	3
TM-M18X2.5-48.75-D12	2.50	12.00	48.75	100	12	3
TM-M20X2.5-33.75-D14	2.50	14.00	33.75	89	14	4
TM-M20X2.5-43.75-D14	2.50	14.00	43.75	100	14	4
TM-M20X2.5-53.75-D14	2.50	15.00	53.75	120	14	4
TM-M20X2.5-63.75-D16	2.50	15.00	63.75	120	16	3
TM-M24X3-40.5-D16	3.00	16.00	40.50	100	16	3
TM-M24X3-52.5-D16	3.00	16.00	52.50	120	16	3
TM-M24X3-64.5-D18	3.00	18.00	64.50	130	18	3
TM-M30X3-46.5-D20	3.00	20.00	46.50	120	20	4
TM-M33X3-61.5-D25	3.00	25.00	61.50	130	25	4
TM-M30X3.5-50.75-D20	3.50	20.00	50.75	120	20	3
TM-M30X3.5-64.75-D20	3.50	20.00	64.75	150	20	3
TM-M30X3.5-78.75-D20	3.50	20.00	78.75	150	20	3
TM-M36X4-58-D25	4.00	25.00	58.00	130	25	3
TM-M36X4-78-D25	4.00	25.00	78.00	150	25	3

整体硬质合金螺纹铣刀-中心内冷



公制螺纹-用于内螺纹

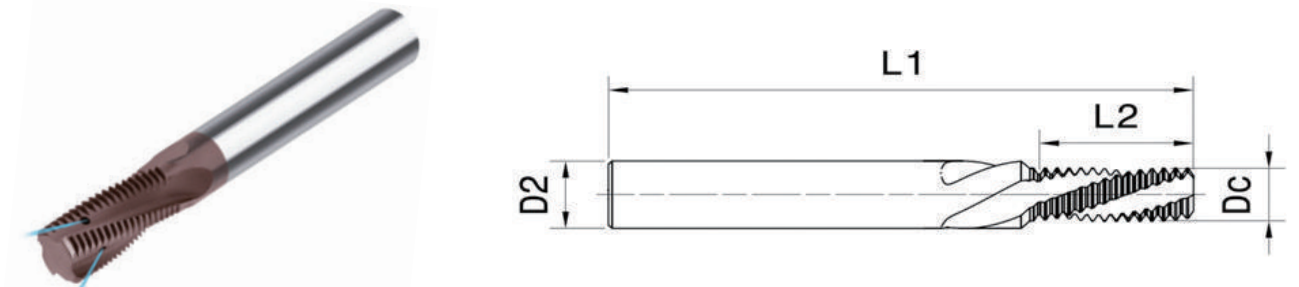


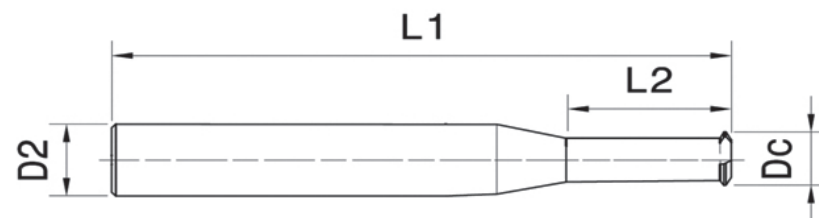
型号	尺寸 mm					
	螺距	DC	L2	L1	D2	Z
TM-M5X0.8-8.4-D4A	0.80	3.80	8.40	50	4	3
TM-M5X0.8-10.8-D4A	0.80	3.80	10.80	50	4	3
TM-M5X0.8-13.2-D4A	0.80	3.80	13.20	50	4	3
TM-M6X1-10.5-D6A	1.00	4.50	10.50	63	6	3
TM-M6X1-13.5-D6A	1.00	4.50	13.50	63	6	3
TM-M6X1-16.5-D6A	1.00	4.50	16.50	63	6	3
TM-M10X1-17.5-D8A	1.00	8.00	17.50	76	8	3
TM-M8X1.25-14.37-D6A	1.25	6.00	14.37	63	6	3
TM-M8X1.25-18.12-D6A	1.25	6.00	18.12	63	6	3
TM-M8X1.25-21.87-D6A	1.25	6.00	21.87	63	6	3
TM-M10X1.5-17.25-D8A	1.50	7.50	17.25	76	8	3
TM-M10X1.5-21.75-D8A	1.50	7.50	21.75	76	8	3
TM-M10X1.5-27.75-D8A	1.50	7.50	27.75	76	8	3
TM-M10X1.5-32.25-D8A	1.50	7.50	32.25	76	8	3
TM-M16X1.5-29.25-D12	1.50	12.00	29.25	100	12	4
TM-M20X1.5-35.25-D16	1.50	16.00	32.25	120	16	6
TM-M12X1.75-20.12-D8A	1.75	8.00	20.12	76	8	3
TM-M12X1.75-27.12-D8A	1.75	8.00	27.12	76	8	3
TM-M12X1.75-32.37-D10A	1.75	9.00	32.37	100	10	3
TM-M12X1.75-37.62-D10A	1.75	9.00	37.62	100	10	3
TM-M14X2-23-D10A	2.00	10.00	23.00	100	10	3
TM-M14X2-31-D10A	2.00	10.00	31.00	100	10	3
TM-M16X2-27-D12A	2.00	12.00	27.00	100	12	4
TM-M16X2-35-D12A	2.00	12.00	35.00	100	12	4
TM-M16X2-43-D12A	2.00	12.00	43.00	100	12	4
TM-M16X2-51-D12A	2.00	12.00	51.00	100	12	3
TM-M20X2-39-D16A	2.00	16.00	39.00	120	16	5
TM-M20X2.5-33.75-D14A	2.50	14.00	33.75	100	14	4
TM-M20X2.5-43.75-D14A	2.50	14.00	43.75	100	14	4
TM-M20X2.5-53.75-D16A	2.50	15.00	53.75	120	16	4
TM-M24X3-40.5-D16A	3.00	16.00	40.50	120	16	3
TM-M24X3-52.5-D16A	3.00	16.00	52.50	120	16	3
TM-M30X3.5-50.75-D20A	3.50	20.00	50.75	150	20	3
TM-M30X3.5-64.75-D20A	3.50	20.00	64.75	150	20	3

整体硬质合金螺纹铣刀-侧刃内冷



公制螺纹-G螺纹-用于内螺纹

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