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力锋精密工具(浙江)有限公司
LIFENG PRECISION TOOLS (ZHEJIANG) CO.,LTD

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About Us | 公司简介

实力雄厚的力锋企业

力锋精密工具（浙江）有限公司（以下简称公司）坐落于新世纪第一缕曙光首照地浙江省温岭市，国家5A级风景区--雁荡山脚下，青屿工业园区内。

雄厚的技术实力 公司拥有当今世界先进的生产工艺技术，拥有一支强大的科研开发队伍，具有世界一流的可转位数控刀片生产线，数控车刀杆生产线、整体硬质合金立铣刀生产线，PVD涂层生产线，并成立了集科研、应用研究为一体的研发中心。

卓越的产品优势 我公司专业为客户提供各种标准和非标准的PVD和CVD涂层，硬质合金、金属陶瓷和铝用刀片等牌号的高精度车削、铣削、切断、钻削、切槽和螺纹加工的可转位数控刀片及配套的高精度刀具，并配有适合各种加工材料的精加工、半精加工和粗加工的相应断屑槽型。我公司不断推出适合于模具业、汽车工业、航空工业的先进切削刀具和孔加工刀具，能根据客户的不同需求来图来样生产各类切削工具，为机械加工制造提供成套的解决方案。

完善的营销及服务网络 公司的营销及服务网络遍布全国，产品质量受到广大用户的一致好评。产品远销世界各大洲。

不可限量的品牌含金量 公司大力弘扬“力求完美，锋行天下；顾客至上，锐意进取”的企业精神，以“振兴民族工业”为目标。坚持“客户第一”的原则为广大客户提供优质的服务。公司已通过GB/T19001-2008/ISO9001:2008质量管理体系认证。

企业的社会责任 在力锋，我们尽最大努力履行社会责任，在全球和各地市场坚持可持续发展原则，以身作则。我们依照力锋的行为准则开展工作，这包括了企业多样性，经济、社会和环保责任，以及公司治理等多方面的内容。

未来的挑战 在当今的竞争格局下，我们对趋势的及时且迅速的反应能力，这是不可或缺的。对不断变化着的世界的洞察力和认知是事业成功的关键要素。只有了解明天的挑战，我们才能在今天制定出通向未来的战略蓝图。

POWERFUL LIFENG ENTERPRISE

- ▶ **LIFENG PRECISION TOOLS (ZHEJIANG) CO., LTD** (hereinafter referred to as the Company) is located in the first rays of the new century's first Wenling, Zhejiang, according to the State 5A level scenic spot ----Hill foot, Lantau industrial park inside.
- ▶ The company has strong technical strength in today's world of advanced production technology, with a strong research and development team, with world-class indexable CNC blade production line, NC Arbor production line, production line of solid carbide end mills, PVD coating production line, and set up a collection of scientific research, applied research as one of the research center.
- ▶ Outstanding product advantages Our company specializes in providing customers with a variety of standard and non-standard PVD and CVD coatings, cemented carbide, cermet and aluminum with a blade and other brands of high-precision turning, milling, cutting, drilling, grooving and indexable thread machining CNC blade and supporting high-precision cutting tools, and with a variety of processing of materials suitable for finishing and semi-finishing and roughing the corresponding chip-breaking groove. My company has introduced for the mold industry, the automotive, aerospace and advanced cutting tools and hole cutting tools, according to the different needs of customers to sample plans to produce various kinds of cutting tools for machining manufacturing to provide complete solutions.
- ▶ Perfect marketing and service network in the company's marketing and service network throughout the country, the product quality by the majority of users praise. Products are exported to all continents.
- ▶ Limitless brand gold company vigorously promote "**strive for perfection, the front line of the world; customer first, forge ahead**" spirit of enterprise, to "revitalize national industry" as the goal. Adhere to the "customers first" principle to provide our clients with quality services. The company has passed GB/T19001-2008/ISO9001: 2008 quality management system certification.
- ▶ Corporate social responsibility in **LIFENG**, we do our best to fulfill their social responsibilities, in the global and local market principles of sustainable development, lead by example. Our code of conduct in accordance with Lifeng work, which includes corporate diversity, economic, social and environmental responsibility, and corporate governance and other aspects of content.
- ▶ Future challenges in today's competitive landscape, we are trends timely and rapid response capability, which is essential. Ever-changing world of insight and awareness are key elements of a successful career. Only by understanding the challenges of tomorrow, we can work out in today's strategic vision to the future.

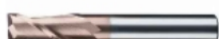
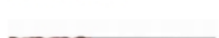
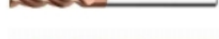
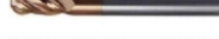
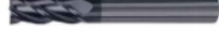


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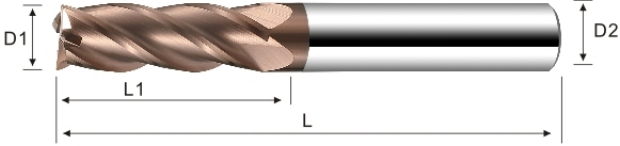
力锋 精密工具
LIFENG PRECISION
TOOLS

系列型号目录 Model: RF-CNC Type

	产品形状	产品名称	涂层	材料	尺寸表
高硬系列		4刃平刀			P01
		4刃圆鼻刀			P02-P03
		4刃平刀 45°			P04
		2刃球刀			P05
		2刃平刀			P06
		6刃密齿平刀 45°			P07
		2刃长颈球刀			P08
常规系列		4刃平刀			P09-P10
		4刃圆鼻刀			P11-P13
铝用系列		3刃铝用铣刀			P14
		3刃七彩铝用铣刀			P15
		3刃七彩U型铝用铣刀			P16
不锈钢系列		4刃平刀			P17
		4刃圆鼻刀			P18-P19
		4刃球刀			P20
LF05系列		4刃平刀			P21
		4刃圆鼻刀			P22-P23
		2刃球刀			P24
		2刃定点钻			P25
		4刃模架平刀 45°			P26
		4刃不等分动态平刀			P27-P28
LF10系列		4刃平刀			P29
		4刃圆鼻刀			P30-P31
		2刃球刀			P32
		4刃不等分动态平刀			P33-P34
LF20系列		4刃平刀			P35
		4刃圆鼻刀			P36-P37
		2刃球刀			P38
LF30系列		4刃圆鼻刀			P39-P40
		2刃球刀			P41
螺纹铣刀系列		三牙螺纹铣刀	  		P42-P45
		单牙螺纹铣刀	  		P46-P48
		全牙螺纹铣刀	  		P49-P51
小径镗刀系列		小径镗刀系列	 	 	P57-P69

整体合金4刃平头立铣刀

Solid alloy 4-side flat end milling cutter



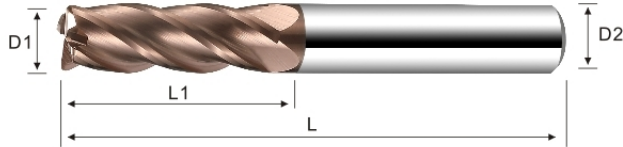
- 1.超细微粒合金棒材，耐磨性强；
2.用于用于HRC60度以下钢材加工；
3.也可用于不锈钢、铸铁等材料加工。
4.复合纳米涂层。

1.Ultrafine particle alloy bar and highwear resistance;
2.Suitable for machining of steel below HRC60 degrees;
3.Also suitable for machining of stainlesssteel and cast iron and so on.
4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50	1	3	11°	50	4
1.5*4*4*50	1.5	4	11°	50	4
2*4*6*50	2	6	11°	50	4
2.5*4*8*50	2.5	8	11°	50	4
3*3*8*50	3	8	-	50	3
3*4*8*50	3	8	11°	50	4
3*4*16*75	3	16	11°	75	4
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
5*5*24*75	5	24	-	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
7*7*20*60	7	20	-	60	7
8*8*25*60	8	25	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*30*75	10	30	-	75	10
10*10*45*100	10	45	-	100	10
12*12*30*75	12	30	-	75	12
12*12*50*100	12	50	-	100	12
12*12*60*150	12	60	-	150	12
14*14*40*100	14	40	-	100	14
14*14*64*150	14	64	-	150	14
16*16*40*100	16	40	-	100	16
16*16*64*150	16	64	-	150	16
18*18*45*100	18	45	-	100	18
20*20*45*100	20	45	-	100	20
20*20*80*150	20	80	-	150	20

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

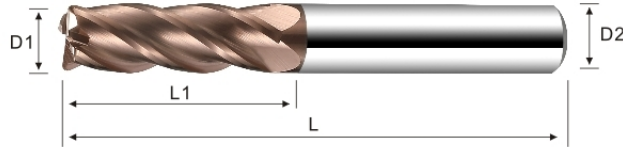


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于用于HRC60度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1R0.2*4*3*50	1	0.2	3	11°	50	4
1.5R0.2*4*4*50	1.5	0.2	4	11°	50	4
1.5R0.5*4*4*50	1.5	0.5	4	11°	50	4
2R0.2*4*6*50	2	0.2	6	11°	50	4
2R0.5*4*6*50	2	0.5	6	11°	50	4
3R0.2*4*8*50	3	0.2	8	11°	50	4
3R0.2*4*12*75	3	0.2	12	11°	75	4
3R0.2*4*16*100	3	0.2	16	11°	100	4
3R0.5*4*8*50	3	0.5	8	11°	50	4
3R0.5*4*12*75	3	0.5	12	11°	75	4
3R0.5*4*16*100	3	0.5	16	11°	100	4
3R1.0*4*8*50	3	1.0	8	11°	50	4
3R1.0*4*12*75	3	1.0	12	11°	75	4
3R1.0*4*16*100	3	1.0	16	11°	100	4
4R0.2*4*10*50	4	0.2	10	-	50	4
4R0.2*4*10*60	4	0.2	10	-	60	4
4R0.2*4*12*75	4	0.2	12	-	75	4
4R0.2*4*16*100	4	0.2	16	-	100	4
4R0.5*4*10*50	4	0.5	10	-	50	4
4R0.5*4*10*60	4	0.5	10	-	60	4
4R0.5*4*12*75	4	0.5	12	-	75	4
4R0.5*4*16*100	4	0.5	16	-	100	4
4R1.0*4*10*50	4	1.0	10	-	50	4
4R1.0*4*10*60	4	1.0	10	-	60	4
4R1.0*4*12*75	4	1.0	12	-	75	4
4R1.0*4*16*100	4	1.0	16	-	100	4
5R0.2*5*13*50	5	0.2	13	-	50	5
5R0.2*5*20*75	5	0.2	20	-	75	5
5R0.2*5*24*100	5	0.2	24	-	100	5
5R0.5*5*13*50	5	0.5	13	-	50	5
5R0.5*5*20*75	5	0.5	20	-	75	5
5R0.5*5*24*100	5	0.5	24	-	100	5
5R1.0*5*13*50	5	1.0	13	-	50	5
5R1.0*5*20*75	5	1.0	20	-	75	5
5R1.0*5*24*100	5	1.0	24	-	100	5
6R0.2*6*15*50	6	0.2	15	-	50	6
6R0.2*6*20*75	6	0.2	20	-	75	6
6R0.2*6*24*100	6	0.2	24	-	100	6
6R0.5*6*15*50	6	0.5	15	-	50	6

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

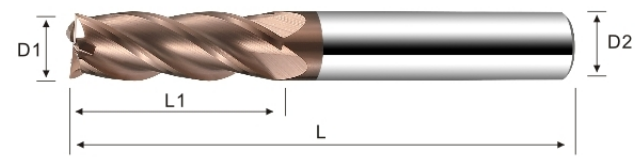


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于用于HRC60度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and highwear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainlesssteel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
6R0.5*6*20*75	6	0.5	20	-	75	6
6R0.5*6*24*100	6	0.5	24	-	100	6
6R1.0*6*15*50	6	1.0	15	-	50	6
6R1.0*6*20*75	6	1.0	20	-	75	6
6R1.0*6*24*100	6	1.0	24	-	100	6
8R0.2*8*25*60	8	0.2	25	-	60	8
8R0.2*8*25*75	8	0.2	25	-	75	8
8R0.2*8*32*100	8	0.2	32	-	100	8
8R0.5*8*25*60	8	0.5	25	-	60	8
8R0.5*8*25*75	8	0.5	25	-	75	8
8R0.5*8*32*100	8	0.5	32	-	100	8
8R1.0*8*25*60	8	1.0	25	-	60	8
8R1.0*8*25*75	8	1.0	25	-	75	8
8R1.0*8*32*100	8	1.0	32	-	100	8
8R2.0*8*25*75	8	2.0	25	-	75	8
8R2.0*8*32*100	8	2.0	32	-	100	8
10R0.5*10*30*75	10	0.5	30	-	75	10
10R0.5*10*45*100	10	0.5	45	-	100	10
10R1.0*10*30*75	10	1.0	30	-	75	10
10R1.0*10*45*100	10	1.0	45	-	100	10
10R2.0*10*30*75	10	2.0	30	-	75	10
10R2.0*10*45*100	10	2.0	45	-	100	10
12R0.5*12*30*75	12	0.5	30	-	75	12
12R0.5*12*50*100	12	0.5	50	-	100	12
12R1.0*12*30*75	12	1.0	30	-	75	12
12R1.0*12*50*100	12	1.0	50	-	100	12
12R2.0*12*30*75	12	2.0	30	-	75	12
12R2.0*12*50*100	12	2.0	50	-	100	12
14R1.0*14*40*100	14	1.0	40	-	100	14
14R1.0*14*60*150	14	1.0	60	-	150	14
14R2.0*14*40*100	14	2.0	40	-	100	14
14R2.0*14*60*150	14	2.0	60	-	150	14
16R1.0*16*40*100	16	1.0	40	-	100	16
16R1.0*16*60*150	16	1.0	60	-	150	16
16R2.0*16*40*100	16	2.0	40	-	100	16
16R2.0*16*60*150	16	2.0	60	-	150	16
20R1.0*20*40*100	20	1.0	40	-	100	20
20R1.0*20*60*150	20	1.0	60	-	150	20
20R2.0*20*40*100	20	2.0	40	-	100	20

整体合金4刃平头立铣刀45°

Solid alloy 4-side flat end milling cutter 45°

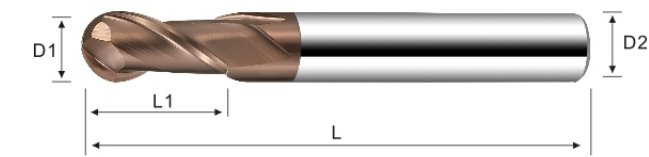


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1*4*3*50	1	3	11°	50	4
1.5*4*4*50	1.5	4	11°	50	4
2*4*6*50	2	6	11°	50	4
2.5*4*8*50	2.5	8	11°	50	4
3*3*8*50	3	8	-	50	3
3*4*8*50	3	8	11°	50	4
3*4*16*75	3	16	11°	75	4
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
5*5*24*75	5	24	-	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
7*7*20*60	7	20	-	60	7
8*8*25*60	8	25	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*30*75	10	30	-	75	10
10*10*45*100	10	45	-	100	10
12*12*30*75	12	30	-	75	12
12*12*50*100	12	50	-	100	12
12*12*60*150	12	60	-	150	12
14*14*40*100	14	40	-	100	14
14*14*64*150	14	64	-	150	14
14*14*64*150	14	64	-	150	14
16*16*40*100	16	40	-	100	16
16*16*64*150	16	64	-	150	16
18*18*45*100	18	45	-	100	18
20*20*45*100	20	45	-	100	20
20*20*80*150	20	80	-	150	20

整体合金2刃球刀

Integral alloy 2-plade ball knife

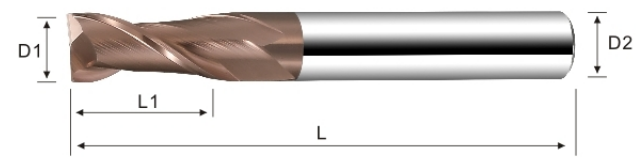


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- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and highwear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainlesssteel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	球半径 Sphere radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
R0.5*4*2*50	1	0.5	2	11°	50	4
R0.75*4*4*50	1.5	0.75	4	11°	50	4
R1.0*4*4*50	2	1.0	4	11°	50	4
R1.0*4*6*75	2	1.0	6	11°	75	4
R1.25*4*6*50	2.5	1.25	6	11°	50	4
R1.5*3*6*50	3	1.5	6	-	50	3
R1.5*4*6*50	3	1.5	6	11°	50	4
R1.5*4*8*75	3	1.5	8	11°	75	4
R1.75*4*8*50	3.5	1.75	8	11°	50	4
R2*4*8*50	4	2.0	8	-	50	4
R2*4*10*75	4	2.0	10	-	75	4
R2*4*10*100	4	2.0	10	-	100	4
R2.5*5*10*50	5	2.5	10	-	50	5
R2.5*5*13*75	5	2.5	13	-	75	5
R2.5*6*10*50	5	2.5	10	11°	50	6
R2.5*6*13*75	5	2.5	13	11°	75	6
R3*6*12*50	6	3.0	12	-	50	6
R3*6*12*75	6	3.0	12	-	75	6
R3*6*20*100	6	3.0	20	-	100	6
R4*8*16*60	8	4.0	16	-	60	8
R4*8*16*75	8	4.0	16	-	75	8
R4*8*20*100	8	4.0	20	-	100	8
R5*10*20*75	10	5.0	20	-	75	10
R5*10*25*100	10	5.0	25	-	100	10
R6*12*25*75	12	6.0	25	-	75	12
R6*12*25*100	12	6.0	25	-	100	12
R7*14*30*100	14	7.0	30	-	100	14
R7*14*42*150	14	7.0	42	-	150	14
R8*16*35*100	16	8.0	35	-	100	16
R8*16*45*150	16	8.0	45	-	150	16
R9*18*35*100	18	9.0	35	-	100	18
R9*18*45*150	18	9.0	45	-	150	18
R10*20*35*100	20	10.0	35	-	100	20
R10*20*45*150	20	10.0	45	-	150	20

整体合金2刃平头立铣刀

Solid alloy 2-side flat end milling cutter

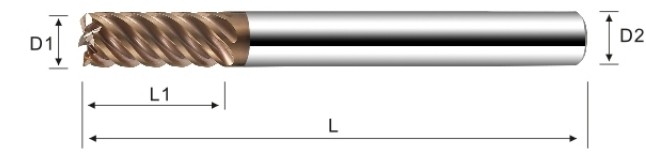


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于用于HRC60度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50	1	3	11°	50	4
1.5*4*4*50	1.5	4	11°	50	4
2*4*6*50	2	6	11°	50	4
2.5*4*8*50	2.5	8	11°	50	4
3*4*8*50	3	8	11°	50	4
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
6*6*13*50	6	13	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
8*8*20*60	8	20	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*25*75	10	25	-	75	10
12*12*30*75	12	30	-	75	12
14*14*35*100	14	35	-	100	14
16*16*35*100	16	35	-	100	16
18*18*40*100	18	40	-	100	18
20*20*40*100	20	40	-	100	20

整体合金6刃平头密齿铣刀 45°

Solid alloy 6-side flat end milling cutter 45°



- 1.超细微粒合金棒材，耐磨性强；
- 2.用于用于HRC60度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and highwear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainlesssteel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	全长L Flute Length	柄径D2 Shank diameter
6*6*15*50	6	15	50	6
6*6*24*75	6	24	75	6
8*8*20*60	8	20	60	8
8*8*32*75	8	32	75	8
8*8*40*100	8	40	100	8
10*10*30*75	10	30	75	10
10*10*45*100	10	45	100	10
10*10*55*150	10	55	150	10
12*12*30*75	12	30	75	12
12*12*45*100	12	45	100	12
14*14*40*100	14	40	100	14
14*14*64*150	14	64	150	14
16*16*40*100	16	40	100	16
16*16*64*150	16	64	150	16
18*18*45*100	18	45	100	18
18*18*75*150	18	75	150	18
20*20*45*100	20	45	100	20
20*20*75*150	20	75	150	20

整体合金2刃长颈球刀

Solid alloy 2-side flat end milling cutter

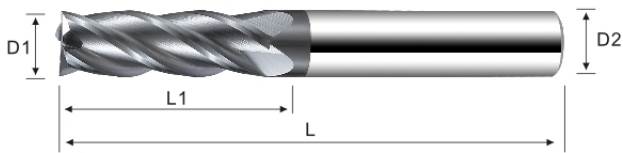


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于用于HRC60度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	球半径 Sphere radius	刃长L1 Flute Length	颈长L2 Neck Length L2	颈径D2 Neck diameter D2	锥柄角度 Cone handle angle	全长L Flute Length	柄径D3 Shank diameter
R0.3*4*0.5*3*50	0.6	0.3	0.5	3	0.55	11°	50	4
R0.3*4*0.5*4*50	0.6	0.3	0.5	4	0.55	11°	50	4
R0.4*4*0.7*4*50	0.8	0.4	0.7	4	0.75	11°	50	4
R0.4*4*0.7*6*50	0.8	0.4	0.7	6	0.75	11°	50	4
R0.5*4*0.9*4*50	1	0.5	0.9	4	0.9	11°	50	4
R0.5*6*0.9*4*60	1	0.5	0.9	4	0.9	11°	60	6
R0.5*4*0.9*6*50	1	0.5	0.9	6	0.9	11°	50	4
R0.5*6*0.9*6*60	1	0.5	0.9	6	0.9	11°	60	6
R0.5*4*0.9*8*50	1	0.5	0.9	8	0.9	11°	50	4
R0.5*6*0.9*8*60	1	0.5	0.9	8	0.9	11°	60	6
R0.75*4*1.2*6*50	1.5	0.75	1.2	6	1.4	11°	50	4
R0.75*6*1.2*6*60	1.5	0.75	1.2	6	1.4	11°	60	6
R0.75*4*1.2*8*50	1.5	0.75	1.2	8	1.4	11°	50	4
R0.75*6*1.2*8*60	1.5	0.75	1.2	8	1.4	11°	60	6
R1*4*1.6*8*50	2	1	1.6	8	1.9	11°	50	4
R1*6*1.6*8*60	2	1	1.6	8	1.9	11°	60	6
R1*4*1.6*10*50	2	1	1.6	10	1.9	11°	50	4
R1*6*1.6*10*60	2	1	1.6	10	1.9	11°	60	6
R1.5*6*2.4*10*60	3	1.5	2.4	10	2.9	11°	60	6
R1.5*6*2.4*12*60	3	1.5	2.4	12	2.9	11°	60	6
R1.5*6*2.4*16*60	3	1.5	2.4	16	2.9	11°	60	6
R2*6*3.2*12*60	4	2	3.2	12	3.9	11°	60	6
R2*6*3.2*16*60	4	2	3.2	16	3.9	11°	60	6
R2*6*3.2*25*75	4	2	3.2	25	3.9	11°	75	6
R2.5*6*4*16*60	5	2.5	4	16	4.8	11°	60	6
R2.5*6*4*16*75	5	2.5	4	16	4.8	11°	75	6

整体合金4刃平头立铣刀

Solid alloy 4-side flat end milling cutter

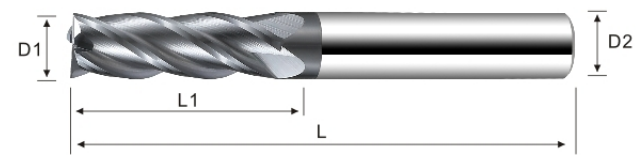


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickel alloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50	1	3	11°	50	4
1.5*4*4*50	1.5	4	11°	50	4
2*4*6*50	2	6	11°	50	4
2.5*4*8*50	2.5	8	11°	50	4
3*3*8*50	3	8	-	50	3
3*4*8*50	3	8	11°	50	4
3*4*16*75	3	16	11°	75	4
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
5*5*24*75	5	24	-	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
7*7*20*60	7	20	-	60	7
8*8*25*60	8	25	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*30*75	10	30	-	75	10
10*10*45*100	10	45	-	100	10

整体合金4刃平头立铣刀

Solid alloy 4-side flat end milling cutter

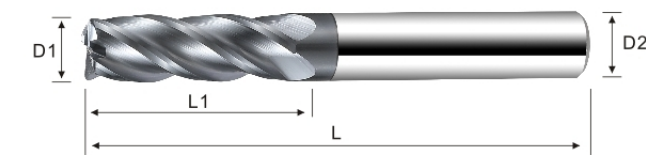


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickel alloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
12*12*30*75	12	30	-	75	12
12*12*50*100	12	50	-	100	12
12*12*60*150	12	60	-	150	12
14*14*40*100	14	40	-	100	14
14*14*64*150	14	64	-	150	14
16*16*40*100	16	40	-	100	16
16*16*64*150	16	64	-	150	16
18*18*45*100	18	45	-	100	18
20*20*45*100	20	45	-	100	20
20*20*80*150	20	80	-	150	20

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

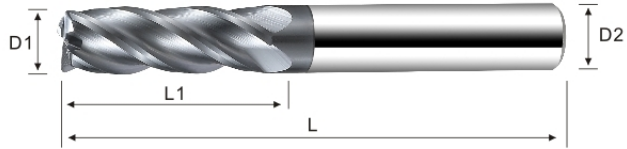


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickel alloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1R0.2*4*3*50	1	0.2	3	11°	50	4
1.5R0.2*4*4*50	1.5	0.2	4	11°	50	4
1.5R0.5*4*4*50	1.5	0.5	4	11°	50	4
2R0.2*4*6*50	2	0.2	6	11°	50	4
2R0.5*4*6*50	2	0.5	6	11°	50	4
3R0.2*4*8*50	3	0.2	8	11°	50	4
3R0.2*4*12*75	3	0.2	12	11°	75	4
3R0.2*4*16*100	3	0.2	16	11°	100	4
3R0.5*4*8*50	3	0.5	8	11°	50	4
3R0.5*4*12*75	3	0.5	12	11°	75	4
3R0.5*4*16*100	3	0.5	16	11°	100	4
3R1.0*4*8*50	3	1.0	8	11°	50	4
3R1.0*4*12*75	3	1.0	12	11°	75	4
3R1.0*4*16*100	3	1.0	16	11°	100	4
4R0.2*4*10*50	4	0.2	10	-	50	4
4R0.2*4*10*60	4	0.2	10	-	60	4
4R0.2*4*12*75	4	0.2	12	-	75	4
4R0.2*4*16*100	4	0.2	16	-	100	4
4R0.5*4*10*50	4	0.5	10	-	50	4
4R0.5*4*10*60	4	0.5	10	-	60	4
4R0.5*4*12*75	4	0.5	12	-	75	4
4R0.5*4*16*100	4	0.5	16	-	100	4
4R1.0*4*10*50	4	1.0	10	-	50	4
4R1.0*4*10*60	4	1.0	10	-	60	4
4R1.0*4*12*75	4	1.0	12	-	75	4
4R1.0*4*16*100	4	1.0	16	-	100	4

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

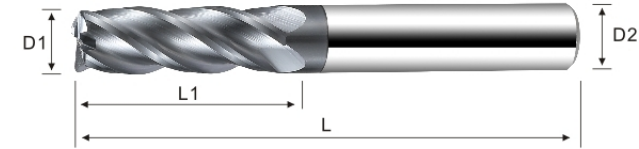


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickel alloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
5R0.2*5*13*50	5	0.2	13	—	50	5
5R0.2*5*20*75	5	0.2	20	—	75	5
5R0.2*5*24*100	5	0.2	24	—	100	5
5R0.5*5*13*50	5	0.5	13	—	50	5
5R0.5*5*20*75	5	0.5	20	—	75	5
5R0.5*5*24*100	5	0.5	24	—	100	5
5R1.0*5*13*50	5	1.0	13	—	50	5
5R1.0*5*20*75	5	1.0	20	—	75	5
5R1.0*5*24*100	5	1.0	24	—	100	5
6R0.2*6*15*50	6	0.2	15	—	50	6
6R0.2*6*20*75	6	0.2	20	—	75	6
6R0.2*6*24*100	6	0.2	24	—	100	6
6R0.5*6*15*50	6	0.5	15	—	50	6
6R0.5*6*20*75	6	0.5	20	—	75	6
6R0.5*6*24*100	6	0.5	24	—	100	6
6R1.0*6*15*50	6	1.0	15	—	50	6
6R1.0*6*20*75	6	1.0	20	—	75	6
6R1.0*6*24*100	6	1.0	24	—	100	6
8R0.2*8*25*60	8	0.2	25	—	60	8
8R0.2*8*25*75	8	0.2	25	—	75	8
8R0.2*8*32*100	8	0.2	32	—	100	8
8R0.5*8*25*60	8	0.5	25	—	60	8
8R0.5*8*25*75	8	0.5	25	—	75	8
8R0.5*8*32*100	8	0.5	32	—	100	8
8R1.0*8*25*60	8	1.0	25	—	60	8
8R1.0*8*25*75	8	1.0	25	—	75	8

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

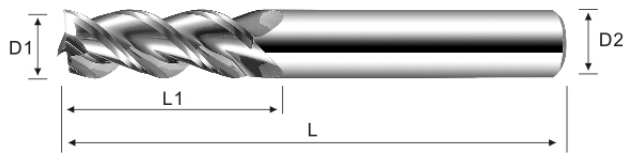


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickel alloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
8R1.0*8*32*100	8	1.0	32	—	100	8
8R2.0*8*25*75	8	2.0	25	—	75	8
8R2.0*8*32*100	8	2.0	32	—	100	8
10R0.5*10*30*75	10	0.5	30	—	75	10
10R0.5*10*45*100	10	0.5	45	—	100	10
10R1.0*10*30*75	10	1.0	30	—	75	10
10R1.0*10*45*100	10	1.0	45	—	100	10
10R2.0*10*30*75	10	2.0	30	—	75	10
10R2.0*10*45*100	10	2.0	45	—	100	10
12R0.5*12*30*75	12	0.5	30	—	75	12
12R0.5*12*50*100	12	0.5	50	—	100	12
12R1.0*12*30*75	12	1.0	30	—	75	12
12R1.0*12*50*100	12	1.0	50	—	100	12
12R2.0*12*30*75	12	2.0	30	—	75	12
12R2.0*12*50*100	12	2.0	50	—	100	12
14R1.0*14*40*100	14	1.0	40	—	100	14
14R1.0*14*60*150	14	1.0	60	—	150	14
14R2.0*14*40*100	14	2.0	40	—	100	14
14R2.0*14*60*150	14	2.0	60	—	150	14
16R1.0*16*40*100	16	1.0	40	—	100	16
16R1.0*16*60*150	16	1.0	60	—	150	16
16R2.0*16*40*100	16	2.0	40	—	100	16
16R2.0*16*60*150	16	2.0	60	—	150	16
20R1.0*20*40*100	20	1.0	40	—	100	20
20R1.0*20*60*150	20	1.0	60	—	150	20
20R2.0*20*40*100	20	2.0	40	—	100	20

铝用整体合金立铣刀

Solid carbide endmill for aluminum

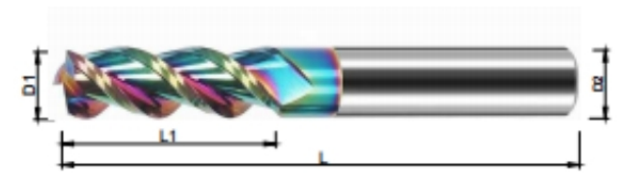


- 1.超细微粒合金棒材，刃口锋利;
- 2.用于铝合金加工;
- 3.也可用于铜、树胶、钢材等材料加工。
- 1.Ultrafine particle alloy bar, sharp cutting edge;
- 2.Suitable for aluminum alloy machining;
- 3.Also suitable for machining of copper, gum and steel and other materials

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50*3F	1	3	11°	50	4
1.5*4*4*50*3F	1.5	4	11°	50	4
2*4*6*50*3F	2	6	11°	50	4
2.5*4*8*50*3F	2.5	8	11°	50	4
3*4*11*50*3F	3	11	11°	50	4
3*4*16*75*3F	3	16	11°	75	4
4*4*13*50*3F	4	13	-	50	4
4*4*16*75*3F	4	16	-	75	4
4*4*20*100*3F	4	20	-	100	4
5*6*17*50*3F	5	17	11°	50	6
5*6*20*75*3F	5	20	11°	75	6
6*6*17*50*3F	6	17	-	50	6
6*6*20*75*3F	6	20	-	75	6
6*6*30*100*3F	6	30	-	100	6
8*8*22*60*3F	8	22	-	60	8
8*8*30*75*3F	8	30	-	75	8
8*8*35*100*3F	8	35	-	100	8
10*10*27*75*3F	10	27	-	75	10
10*10*40*100*3F	10	40	-	100	10
12*12*32*75*3F	12	32	-	75	12
12*12*45*100*3F	12	45	-	100	12
14*14*37*100*3F	14	37	-	100	14
16*16*40*100*3F	16	40	-	100	16
16*16*70*150*3F	16	70	-	150	16
18*18*45*100*3F	18	45	-	100	18
20*20*48*100*3F	20	48	-	100	20

铝用整体七彩合金立铣刀

Aluminum Solid seven color alloy end mill

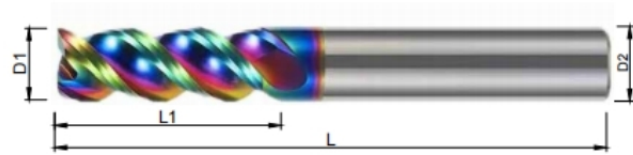


- 1.超细微粒合金棒材，刃口锋利;
- 2.用于铝合金加工;
- 3.也可用于铜、树胶、钢材等材料加工。
- 1.Ultrafine particle alloy bar, sharp cutting edge;
- 2.Suitable for aluminum alloy machining;
- 3.Also suitable for machining of copper, gum and steel and other materials

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50*3F	1	3	11°	50	4
1.5*4*4*50*3F	1.5	4	11°	50	4
2*4*6*50*3F	2	6	11°	50	4
2.5*4*8*50*3F	2.5	8	11°	50	4
3*4*11*50*3F	3	11	11°	50	4
3*4*16*75*3F	3	16	11°	75	4
4*4*13*50*3F	4	13	-	50	4
4*4*16*75*3F	4	16	-	75	4
4*4*20*100*3F	4	20	-	100	4
5*6*17*50*3F	5	17	11°	50	6
5*6*20*75*3F	5	20	11°	75	6
6*6*17*50*3F	6	17	-	50	6
6*6*20*75*3F	6	20	-	75	6
6*6*30*100*3F	6	30	-	100	6
8*8*22*60*3F	8	22	-	60	8
8*8*30*75*3F	8	30	-	75	8
8*8*35*100*3F	8	35	-	100	8
10*10*27*75*3F	10	27	-	75	10
10*10*40*100*3F	10	40	-	100	10
12*12*32*75*3F	12	32	-	75	12
12*12*45*100*3F	12	45	-	100	12
14*14*37*100*3F	14	37	-	100	14
16*16*40*100*3F	16	40	-	100	16
16*16*70*150*3F	16	70	-	150	16
18*18*45*100*3F	18	45	-	100	18
20*20*48*100*3F	20	48	-	100	20

铝用整体七彩合金立铣刀

Aluminum Solid seven color alloy end mill

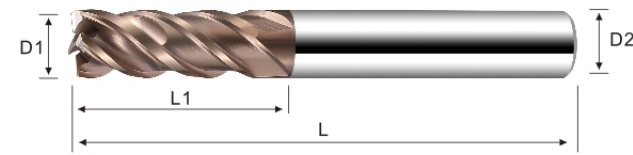
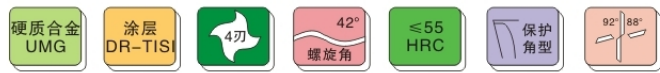


- 1.超细微粒合金棒材，刃口锋利;
- 2.用于铝合金加工;
- 3.也可用于铜、树胶、钢材等材料加工。
- 1.Ultrafine particle alloy bar, sharp cutting edge;
- 2.Suitable for aluminum alloy machining;
- 3.Also suitable for machining of copper, gum and steel and other materials.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50*3F	1	3	11°	50	4
1.5*4*4*50*3F	1.5	4	11°	50	4
2*4*6*50*3F	2	6	11°	50	4
2.5*4*8*50*3F	2.5	8	11°	50	4
3*4*11*50*3F	3	11	11°	50	4
3*4*16*75*3F	3	16	11°	75	4
4*4*13*50*3F	4	13	-	50	4
4*4*16*75*3F	4	16	-	75	4
4*4*20*100*3F	4	20	-	100	4
5*6*17*50*3F	5	17	11°	50	6
5*6*20*75*3F	5	20	11°	75	6
6*6*17*50*3F	6	17	-	50	6
6*6*20*75*3F	6	20	-	75	6
6*6*30*100*3F	6	30	-	100	6
8*8*22*60*3F	8	22	-	60	8
8*8*30*75*3F	8	30	-	75	8
8*8*35*100*3F	8	35	-	100	8
10*10*27*75*3F	10	27	-	75	10
10*10*40*100*3F	10	40	-	100	10
12*12*32*75*3F	12	32	-	75	12
12*12*45*100*3F	12	45	-	100	12
14*14*37*100*3F	14	37	-	100	14
16*16*40*100*3F	16	40	-	100	16
16*16*70*150*3F	16	70	-	150	16
18*18*45*100*3F	18	45	-	100	18
20*20*48*100*3F	20	48	-	100	20

整体合金4刃不锈钢平头立铣刀

Solid alloy 4-side flat end milling cutter.

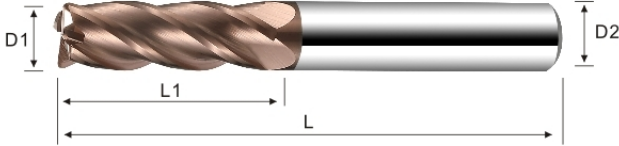


- 1.超细微粒合金棒材，耐磨性强;
- 2.用于HRC55度以下不锈钢材专用牌号;
- 3.复合纳米涂层。
- 1.Ultrafine particle alloy bar and highwear resistance;
- 2.Special grade for stainless steel below HRC55 degrees;
- 3.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50	1	3	11°	50	4
1.5*4*4*50	1.5	4	11°	50	4
2*4*6*50	2	6	11°	50	4
2.5*4*8*50	2.5	8	11°	50	4
3*3*8*50	3	8	-	50	3
3*4*8*50	3	8	11°	50	4
3*4*16*75	3	16	11°	75	4
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
5*5*24*75	5	24	-	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
7*7*20*60	7	20	-	60	7
8*8*20*60	8	20	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*25*75	10	25	-	75	10
10*10*45*100	10	45	-	100	10
12*12*30*75	12	30	-	75	12
12*12*50*100	12	50	-	100	12
12*12*60*150	12	60	-	150	12
14*14*40*100	14	40	-	100	14
14*14*64*150	14	64	-	150	14
16*16*40*100	16	40	-	100	16
16*16*64*150	16	64	-	150	16
18*18*45*100	18	45	-	100	18
20*20*45*100	20	45	-	100	20
20*20*65*150	20	65	-	150	20

整体合金4刃不锈钢圆鼻立铣刀

Solid alloy 4-side round nose end mill

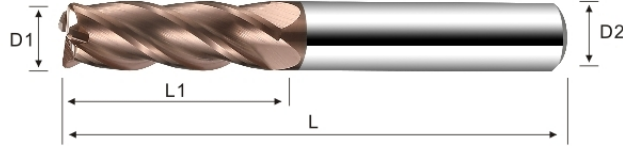


- 1.超细微粒合金棒材，耐磨性强;
- 2.用于HRC55度以下不锈钢材专用牌号;
- 3.复合纳米涂层。
- 1.Ultrafine particle alloy bar and highwear resistance;
- 2.Special grade for stainless steel below HRC55 degrees;
- 3.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1R0.2*4*3*50	1	0.2	3	11°	50	4
1.5R0.2*4*4*50	1.5	0.2	4	11°	50	4
1.5R0.5*4*4*50	1.5	0.5	4	11°	50	4
2R0.2*4*6*50	2	0.2	6	11°	50	4
2R0.5*4*6*50	2	0.5	6	11°	50	4
3R0.2*4*8*50	3	0.2	8	11°	50	4
3R0.2*4*12*75	3	0.2	12	11°	75	4
3R0.2*4*16*100	3	0.2	16	11°	100	4
3R0.5*4*8*50	3	0.5	8	11°	50	4
3R0.5*4*12*75	3	0.5	12	11°	75	4
3R0.5*4*16*100	3	0.5	16	11°	100	4
3R1.0*4*8*50	3	1.0	8	11°	50	4
3R1.0*4*12*75	3	1.0	12	11°	75	4
3R1.0*4*16*100	3	1.0	16	11°	100	4
4R0.2*4*10*50	4	0.2	10	—	50	4
4R0.2*4*10*60	4	0.2	10	—	60	4
4R0.2*4*12*75	4	0.2	12	—	75	4
4R0.2*4*16*100	4	0.2	16	—	100	4
4R0.5*4*10*50	4	0.5	10	—	50	4
4R0.5*4*10*60	4	0.5	10	—	60	4
4R0.5*4*12*75	4	0.5	12	—	75	4
4R0.5*4*16*100	4	0.5	16	—	100	4
4R1.0*4*10*50	4	1.0	10	—	50	4
4R1.0*4*10*60	4	1.0	10	—	60	4
4R1.0*4*12*75	4	1.0	12	—	75	4
4R1.0*4*16*100	4	1.0	16	—	100	4
5R0.2*5*13*50	5	0.2	13	—	50	5
5R0.2*5*20*75	5	0.2	20	—	75	5
5R0.2*5*24*100	5	0.2	24	—	100	5
5R0.5*5*13*50	5	0.5	13	—	50	5
5R0.5*5*20*75	5	0.5	20	—	75	5
5R0.5*5*24*100	5	0.5	24	—	100	5
5R1.0*5*13*50	5	1.0	13	—	50	5
5R1.0*5*20*75	5	1.0	20	—	75	5
5R1.0*5*24*100	5	1.0	24	—	100	5
6R0.2*6*15*50	6	0.2	15	—	50	6
6R0.2*6*20*75	6	0.2	20	—	75	6
6R0.2*6*24*100	6	0.2	24	—	100	6
6R0.5*6*15*50	6	0.5	15	—	50	6

整体合金4刃不锈钢圆鼻立铣刀

Solid alloy 4-side round nose end mill



- 1.超细微粒合金棒材，耐磨性强;
- 2.用于HRC55度以下不锈钢材专用牌号;
- 3.复合纳米涂层。
- 1.Ultrafine particle alloy bar and highwear resistance;
- 2.Special grade for stainless steel below HRC55 degrees;
- 3.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
6R0.5*6*20*75	6	0.5	20	—	75	6
6R0.5*6*24*100	6	0.5	24	—	100	6
6R1.0*6*15*50	6	1.0	15	—	50	6
6R1.0*6*20*75	6	1.0	20	—	75	6
6R1.0*6*24*100	6	1.0	24	—	100	6
8R0.2*8*20*60	8	0.2	20	—	60	8
8R0.2*8*25*75	8	0.2	25	—	75	8
8R0.2*8*32*100	8	0.2	32	—	100	8
8R0.5*8*20*60	8	0.5	20	—	60	8
8R0.5*8*25*75	8	0.5	25	—	75	8
8R0.5*8*32*100	8	0.5	32	—	100	8
8R1.0*8*20*60	8	1.0	20	—	60	8
8R1.0*8*25*75	8	1.0	25	—	75	8
8R1.0*8*32*100	8	1.0	32	—	100	8
8R2.0*8*25*75	8	2.0	25	—	75	8
8R2.0*8*32*100	8	2.0	32	—	100	8
10R0.5*10*25*75	10	0.5	25	—	75	10
10R0.5*10*45*100	10	0.5	45	—	100	10
10R1.0*10*25*75	10	1.0	25	—	75	10
10R1.0*10*45*100	10	1.0	45	—	100	10
10R2.0*10*25*75	10	2.0	25	—	75	10
10R2.0*10*45*100	10	2.0	45	—	100	10
12R0.5*12*30*75	12	0.5	30	—	75	12
12R0.5*12*45*100	12	0.5	45	—	100	12
12R1.0*12*30*75	12	1.0	30	—	75	12
12R1.0*12*45*100	12	1.0	45	—	100	12
12R2.0*12*30*75	12	2.0	30	—	75	12
12R2.0*12*45*100	12	2.0	45	—	100	12
14R1.0*14*40*100	14	1.0	40	—	100	14
14R1.0*14*60*150	14	1.0	60	—	150	14
14R2.0*14*40*100	14	2.0	40	—	100	14
14R2.0*14*60*150	14	2.0	60	—	150	14
16R1.0*16*40*100	16	1.0	40	—	100	16
16R1.0*16*60*150	16	1.0	60	—	150	16
16R2.0*16*40*100	16	2.0	40	—	100	16
16R2.0*16*60*150	16	2.0	60	—	150	16
20R1.0*20*40*100	20	1.0	40	—	100	20
20R1.0*20*60*150	20	1.0	60	—	150	20
20R2.0*20*40*100	20	2.0	40	—	100	20

整体合金4刃不锈钢球刀

litoral alloy 4-plade ball knife

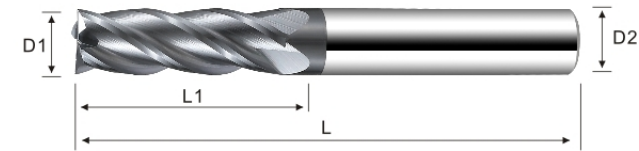


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于HRC55度以下不锈钢材专用牌号；
- 3.复合纳米涂层。
- 1.Ultrafine particle alloy bar and highwear resistance;
- 2.Special grade for stainless steel below HRC55 degrees;
- 3.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	球半径 Sphere radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
R0.5*4*2*50	1	0.5	2	11°	50	4
R0.75*4*4*50	1.5	0.75	4	11°	50	4
R1.0*4*4*50	2	1.0	4	11°	50	4
R1.0*4*6*75	2	1.0	6	11°	75	4
R1.25*4*6*50	2.5	1.25	6	11°	50	4
R1.5*3*6*50	3	1.5	6	-	50	3
R1.5*4*6*50	3	1.5	6	11°	50	4
R1.5*4*8*75	3	1.5	8	11°	75	4
R1.75*4*8*50	3.5	1.75	8	11°	50	4
R2*4*8*50	4	2.0	8	-	50	4
R2*4*10*75	4	2.0	10	-	75	4
R2*4*10*100	4	2.0	10	-	100	4
R2.5*5*10*50	5	2.5	10	-	50	5
R2.5*5*13*75	5	2.5	13	-	75	5
R2.5*6*10*50	5	2.5	10	11°	50	6
R2.5*6*13*75	5	2.5	13	11°	75	6
R3*6*12*50	6	3.0	12	-	50	6
R3*6*12*75	6	3.0	12	-	75	6
R3*6*20*100	6	3.0	20	-	100	6
R4*8*16*60	8	4.0	16	-	60	8
R4*8*16*75	8	4.0	16	-	75	8
R4*8*20*100	8	4.0	20	-	100	8
R5*10*20*75	10	5.0	20	-	75	10
R5*10*25*100	10	5.0	25	-	100	10
R6*12*25*75	12	6.0	25	-	75	12
R6*12*25*100	12	6.0	25	-	100	12
R7*14*30*100	14	7.0	30	-	100	14
R7*14*42*150	14	7.0	42	-	150	14
R8*16*35*100	16	8.0	35	-	100	16
R8*16*45*150	16	8.0	45	-	150	16
R9*18*35*100	18	9.0	35	-	100	18
R9*18*45*150	18	9.0	45	-	150	18
R10*20*35*100	20	10.0	35	-	100	20
R10*20*45*150	20	10.0	45	-	150	20

整体合金4刃平头立铣刀

Solid alloy 4-side flat end milling cutter.

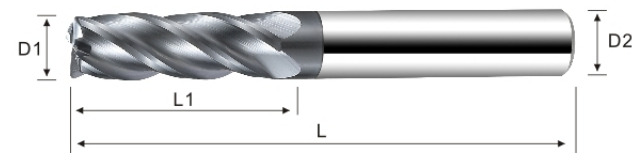


- 1.超细微粒合金棒材，刃口锋利，切削轻快；
- 2.用于HRC52度以下钢材，不锈钢加工；
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工；
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC52 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50	1	3	11°	50	4
1.5*4*4*50	1.5	4	11°	50	4
2*4*6*50	2	6	11°	50	4
2.5*4*8*50	2.5	8	11°	50	4
3*3*8*50	3	8	-	50	3
3*4*8*50	3	8	11°	50	4
3*4*16*75	3	16	11°	75	4
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
5*5*24*75	5	24	-	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
7*7*20*60	7	20	-	60	7
8*8*25*60	8	25	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*30*75	10	30	-	75	10
10*10*45*100	10	45	-	100	10
12*12*30*75	12	30	-	75	12
12*12*50*100	12	50	-	100	12
12*12*60*150	12	60	-	150	12
14*14*40*100	14	40	-	100	14
14*14*64*150	14	64	-	150	14
16*16*40*100	16	40	-	100	16
16*16*64*150	16	64	-	150	16
18*18*45*100	18	45	-	100	18
20*20*45*100	20	45	-	100	20
20*20*80*150	20	80	-	150	20

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

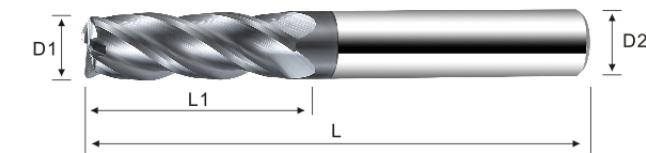


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC52度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC52 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1R0.2*4*3*50	1	0.2	3	11°	50	4
1.5R0.2*4*4*50	1.5	0.2	4	11°	50	4
1.5R0.5*4*4*50	1.5	0.5	4	11°	50	4
2R0.2*4*6*50	2	0.2	6	11°	50	4
2R0.5*4*6*50	2	0.5	6	11°	50	4
3R0.2*4*8*50	3	0.2	8	11°	50	4
3R0.2*4*12*75	3	0.2	12	11°	75	4
3R0.2*4*16*100	3	0.2	16	11°	100	4
3R0.5*4*8*50	3	0.5	8	11°	50	4
3R0.5*4*12*75	3	0.5	12	11°	75	4
3R0.5*4*16*100	3	0.5	16	11°	100	4
3R1.0*4*8*50	3	1.0	8	11°	50	4
3R1.0*4*12*75	3	1.0	12	11°	75	4
3R1.0*4*16*100	3	1.0	16	11°	100	4
4R0.2*4*10*50	4	0.2	10	—	50	4
4R0.2*4*10*60	4	0.2	10	—	60	4
4R0.2*4*12*75	4	0.2	12	—	75	4
4R0.2*4*16*100	4	0.2	16	—	100	4
4R0.5*4*10*50	4	0.5	10	—	50	4
4R0.5*4*10*60	4	0.5	10	—	60	4
4R0.5*4*12*75	4	0.5	12	—	75	4
4R0.5*4*16*100	4	0.5	16	—	100	4
4R1.0*4*10*50	4	1.0	10	—	50	4
4R1.0*4*10*60	4	1.0	10	—	60	4
4R1.0*4*12*75	4	1.0	12	—	75	4
4R1.0*4*16*100	4	1.0	16	—	100	4
5R0.2*5*13*50	5	0.2	13	—	50	5
5R0.2*5*20*75	5	0.2	20	—	75	5
5R0.2*5*24*100	5	0.2	24	—	100	5
5R0.5*5*13*50	5	0.5	13	—	50	5
5R0.5*5*20*75	5	0.5	20	—	75	5
5R0.5*5*24*100	5	0.5	24	—	100	5
5R1.0*5*13*50	5	1.0	13	—	50	5
5R1.0*5*20*75	5	1.0	20	—	75	5
5R1.0*5*24*100	5	1.0	24	—	100	5
6R0.2*6*15*50	6	0.2	15	—	50	6
6R0.2*6*20*75	6	0.2	20	—	75	6
6R0.2*6*24*100	6	0.2	24	—	100	6
6R0.5*6*15*50	6	0.5	15	—	50	6

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

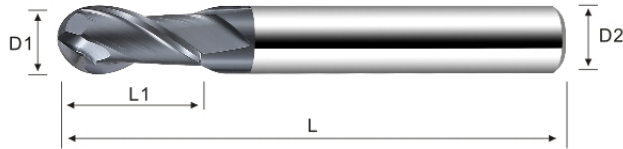


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC52度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC52 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
6R0.5*6*20*75	6	0.5	20	—	75	6
6R0.5*6*24*100	6	0.5	24	—	100	6
6R1.0*6*15*50	6	1.0	15	—	50	6
6R1.0*6*20*75	6	1.0	20	—	75	6
6R1.0*6*24*100	6	1.0	24	—	100	6
8R0.2*8*25*60	8	0.2	25	—	60	8
8R0.2*8*25*75	8	0.2	25	—	75	8
8R0.2*8*32*100	8	0.2	32	—	100	8
8R0.5*8*25*60	8	0.5	25	—	60	8
8R0.5*8*25*75	8	0.5	25	—	75	8
8R0.5*8*32*100	8	0.5	32	—	100	8
8R1.0*8*25*60	8	1.0	25	—	60	8
8R1.0*8*25*75	8	1.0	25	—	75	8
8R1.0*8*32*100	8	1.0	32	—	100	8
8R2.0*8*25*75	8	2.0	25	—	75	8
8R2.0*8*32*100	8	2.0	32	—	100	8
10R0.5*10*30*75	10	0.5	30	—	75	10
10R0.5*10*45*100	10	0.5	45	—	100	10
10R1.0*10*30*75	10	1.0	30	—	75	10
10R1.0*10*45*100	10	1.0	45	—	100	10
10R2.0*10*30*75	10	2.0	30	—	75	10
10R2.0*10*45*100	10	2.0	45	—	100	10
12R0.5*12*30*75	12	0.5	30	—	75	12
12R0.5*12*50*100	12	0.5	50	—	100	12
12R1.0*12*30*75	12	1.0	30	—	75	12
12R1.0*12*50*100	12	1.0	50	—	100	12
12R2.0*12*30*75	12	2.0	30	—	75	12
12R2.0*12*50*100	12	2.0	50	—	100	12
14R1.0*14*40*100	14	1.0	40	—	100	14
14R1.0*14*60*150	14	1.0	60	—	150	14
14R2.0*14*40*100	14	2.0	40	—	100	14
14R2.0*14*60*150	14	2.0	60	—	150	14
16R1.0*16*40*100	16	1.0	40	—	100	16
16R1.0*16*60*150	16	1.0	60	—	150	16
16R2.0*16*40*100	16	2.0	40	—	100	16
16R2.0*16*60*150	16	2.0	60	—	150	16
20R1.0*20*40*100	20	1.0	40	—	100	20
20R1.0*20*60*150	20	1.0	60	—	150	20
20R2.0*20*40*100	20	2.0	40	—	100	20

整体合金2刃球刀

litegral alloy 2-plade ball knife

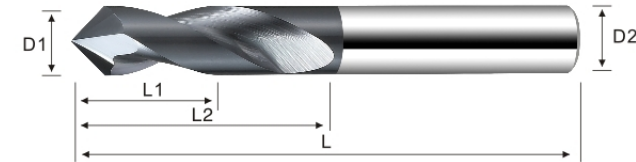


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
2.用于HRC52度以下钢材,不锈钢加工;
3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
4.TiAlN纳米涂层。
1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
2.Suitable for machining of steel and stainless steel below HRC52 degrees
3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	球半径 Sphere radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
R0.5*4*2*50	1	0.5	2	11°	50	4
R0.75*4*4*50	1.5	0.75	4	11°	50	4
R1.0*4*4*50	2	1.0	4	11°	50	4
R1.0*4*6*75	2	1.0	6	11°	75	4
R1.25*4*6*50	2.5	1.25	6	-	50	4
R1.5*3*6*50	3	1.5	6	11°	50	3
R1.5*4*6*50	3	1.5	6	11°	50	4
R1.5*4*8*75	3	1.5	8	-	75	4
R1.75*4*8*50	3.5	1.75	8	-	50	4
R2*4*8*50	4	2.0	8	-	50	4
R2*4*10*75	4	2.0	10	-	75	4
R2*4*10*100	4	2.0	10	-	100	4
R2.5*5*10*50	5	2.5	10	11°	50	5
R2.5*5*13*75	5	2.5	13	11°	75	5
R2.5*6*10*50	5	2.5	10	11°	50	6
R2.5*6*13*75	5	2.5	13	11°	75	6
R3*6*12*50	6	3.0	12	11°	50	6
R3*6*12*75	6	3.0	12	-	75	6
R3*6*20*100	6	3.0	20	-	100	6
R4*8*16*60	8	4.0	16	-	60	8
R4*8*16*75	8	4.0	16	-	75	8
R4*8*20*100	8	4.0	20	-	100	8
R5*10*20*75	10	5.0	20	-	75	10
R5*10*25*100	10	5.0	25	-	100	10
R6*12*25*75	12	6.0	25	-	75	12
R6*12*25*100	12	6.0	25	-	100	12
R7*14*30*100	14	7.0	30	-	100	14
R7*14*42*150	14	7.0	42	-	150	14
R8*16*35*100	16	8.0	35	-	100	16
R8*16*45*150	16	8.0	45	-	150	16
R9*18*35*100	18	9.0	35	-	100	18
R9*18*45*150	18	9.0	45	-	150	18
R10*20*35*100	20	10.0	35	-	100	20
R10*20*45*150	20	10.0	45	-	150	20

整体合金2刃定点钻

Solid alloy 2-blade fixed-point drill

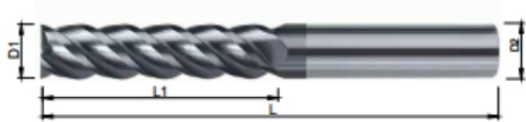


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
2.用于HRC52度以下钢材,不锈钢加工;
3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
4.TiAlN纳米涂层。
1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
2.Suitable for machining of steel and stainless steel below HRC52 degrees
3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	颈长L2 Neck length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1.0*90°	1	2	3.5	11°	50	4
1.5*90°	1.5	3	4.5	11°	50	4
2.0*90°	2	4	5.5	11°	50	4
2.5*90°	2.5	5	6.5	11°	50	4
3.0*90°	3	6	7.5	11°	50	4
3.5*90°	3.5	7	8.5	11°	50	4
3.0*90°	3	6	-	-	50	3
4.0*90°	4	7.5	-	-	50	4
5.0*90°	5	9.5	-	-	50	5
6.0*90°	6	11.5	-	-	50	6
8.0*90°	8	15.5	-	-	60	8
10.0*90°	10	19	-	-	75	10
12.0*90°	12	23	-	-	75	12
14.0*90°	14	27	-	-	100	14
16.0*90°	16	30	-	-	100	16
20.0*90°	20	36	-	-	100	20

整体合金4刃模架铣刀 45°

Solid alloy 4-side die milling cutter 45°

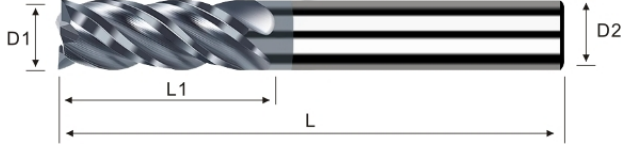


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC52度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC52 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	全长L Flute Length	柄径D2 Shank diameter
8*8*30*75	8	30	75	8
8*8*35*100	8	35	100	8
10*10*30*75	10	30	75	10
10*10*50*100	10	50	100	10
10*10*70*150	10	70	150	10
12*12*30*75	12	30	75	12
12*12*50*100	12	50	100	12
12*12*70*150	12	70	150	12
14*14*50*100	14	50	100	14
14*14*70*150	14	70	150	14
16*16*50*100	16	50	100	16
16*16*70*150	16	70	150	16
18*18*50*100	18	50	100	18
18*18*75*150	18	75	150	18
20*20*50*100	20	50	100	20
20*20*75*150	20	75	150	20

整体合金4刃不等分动态铣刀

Solid alloy 4-side unequal dynamic milling cutter

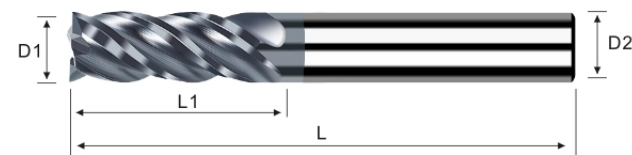
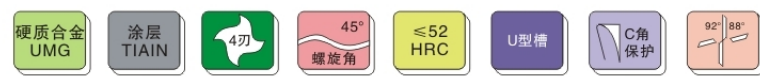


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC52度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC52 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
4*4*10*50	4	10	—	50	4
4*4*16*75	4	16	—	75	4
4*4*16*100	4	16	—	100	4
5*5*13*50	5	13	—	50	5
5*5*24*75	5	24	—	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	—	50	6
6*6*24*75	6	24	—	75	6
6*6*24*100	6	24	—	100	6
7*7*20*60	7	20	—	60	7
8*8*25*60	8	25	—	60	8
8*8*25*75	8	25	—	75	8
8*8*32*100	8	32	—	100	8
10*10*30*75	10	30	—	75	10
10*10*45*100	10	45	—	100	10
12*12*30*75	12	30	—	75	12
12*12*50*100	12	50	—	100	12
14*14*45*100	14	45	—	100	14
16*16*45*100	16	45	—	100	16

整体合金4刃不等分动态铣刀

Solid alloy 4-side unequal dynamic milling cutter

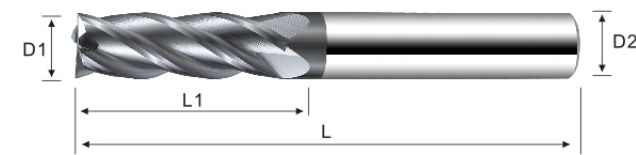


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
 - 2.用于HRC52度以下钢材,不锈钢加工;
 - 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
 - 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
2.Suitable for machining of steel and stainless steel below HRC52 degrees
3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
4.TiAlN nano-coating.

MODEL	刃径D1 Flute eDiameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	C角保护 C-angle protection	全长L Flute Length	柄径D2 Shank diameter
4*4*10*50 C0.1	4	10	-	0.1	50	4
4*4*16*75 C0.1	4	16	-	0.1	75	4
4*4*16*100 C0.1	4	16	-	0.1	100	4
5*5*13*50 C0.1	5	13	-	0.1	50	5
5*5*24*75 C0.1	5	24	-	0.1	75	5
3*6*8*50 C0.1	3	8	11°	0.1	50	6
4*6*10*50 C0.1	4	10	11°	0.1	50	6
5*6*13*50 C0.1	5	13	11°	0.1	50	6
5*6*24*75 C0.1	5	24	11°	0.1	75	6
5*6*24*100 C0.1	5	24	11°	0.1	100	6
6*6*15*50 C0.15	6	15	-	0.15	50	6
6*6*24*75 C0.15	6	24	-	0.15	75	6
6*6*24*100 C0.15	6	24	-	0.15	100	6
7*7*20*60 C0.15	7	20	-	0.15	60	7
8*8*25*60 C0.15	8	25	-	0.15	60	8
8*8*25*75 C0.15	8	25	-	0.15	75	8
8*8*32*100 C0.15	8	32	-	0.15	100	8
10*10*30*75 C0.2	10	30	-	0.2	75	10
10*10*45*100 C0.2	10	45	-	0.2	100	10
12*12*30*75 C0.2	12	30	-	0.2	75	12
12*12*50*100 C0.2	12	50	-	0.2	100	12
14*14*45*100 C0.2	14	45	-	0.2	100	14
16*16*45*100 C0.2	16	45	-	0.2	100	16

整体合金4刃平头立铣刀

Solid alloy 4-side flat end milling cutter

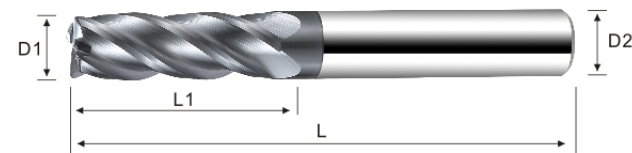


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
 - 2.用于HRC50度以下钢材,不锈钢加工;
 - 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
 - 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
2.Suitable for machining of steel and stainless steel below HRC50 degrees
3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50	1	3	11°	50	4
1.5*4*4*50	1.5	4	11°	50	4
2*4*6*50	2	6	11°	50	4
2.5*4*8*50	2.5	8	11°	50	4
3*3*8*50	3	8	-	50	3
3*4*8*50	3	8	11°	50	4
3*4*16*75	3	16	11°	75	4
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
5*5*24*75	5	24	-	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
7*7*20*60	7	20	-	60	7
8*8*25*60	8	25	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*30*75	10	30	-	75	10
10*10*45*100	10	45	-	100	10
12*12*30*75	12	30	-	75	12
12*12*50*100	12	50	-	100	12
12*12*60*150	12	60	-	150	12
14*14*40*100	14	40	-	100	14
14*14*64*150	14	64	-	150	14
16*16*40*100	16	40	-	100	16
16*16*64*150	16	64	-	150	16
18*18*45*100	18	45	-	100	18
20*20*45*100	20	45	-	100	20
20*20*80*150	20	80	-	150	20

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

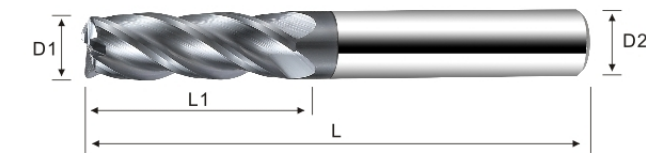


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1R0.2*4*3*50	1	0.2	3	11°	50	4
1.5R0.2*4*4*50	1.5	0.2	4	11°	50	4
1.5R0.5*4*4*50	1.5	0.5	4	11°	50	4
2R0.2*4*6*50	2	0.2	6	11°	50	4
2R0.5*4*6*50	2	0.5	6	11°	50	4
3R0.2*4*8*50	3	0.2	8	11°	50	4
3R0.2*4*12*75	3	0.2	12	11°	75	4
3R0.2*4*16*100	3	0.2	16	11°	100	4
3R0.5*4*8*50	3	0.5	8	11°	50	4
3R0.5*4*12*75	3	0.5	12	11°	75	4
3R0.5*4*16*100	3	0.5	16	11°	100	4
3R1.0*4*8*50	3	1.0	8	11°	50	4
3R1.0*4*12*75	3	1.0	12	11°	75	4
3R1.0*4*16*100	3	1.0	16	11°	100	4
4R0.2*4*10*50	4	0.2	10	—	50	4
4R0.2*4*10*60	4	0.2	10	—	60	4
4R0.2*4*12*75	4	0.2	12	—	75	4
4R0.2*4*16*100	4	0.2	16	—	100	4
4R0.5*4*10*50	4	0.5	10	—	50	4
4R0.5*4*10*60	4	0.5	10	—	60	4
4R0.5*4*12*75	4	0.5	12	—	75	4
4R0.5*4*16*100	4	0.5	16	—	100	4
4R1.0*4*10*50	4	1.0	10	—	50	4
4R1.0*4*10*60	4	1.0	10	—	60	4
4R1.0*4*12*75	4	1.0	12	—	75	4
4R1.0*4*16*100	4	1.0	16	—	100	4
5R0.2*5*13*50	5	0.2	13	—	50	5
5R0.2*5*20*75	5	0.2	20	—	75	5
5R0.2*5*24*100	5	0.2	24	—	100	5
5R0.5*5*13*50	5	0.5	13	—	50	5
5R0.5*5*20*75	5	0.5	20	—	75	5
5R0.5*5*24*100	5	0.5	24	—	100	5
5R1.0*5*13*50	5	1.0	13	—	50	5
5R1.0*5*20*75	5	1.0	20	—	75	5
5R1.0*5*24*100	5	1.0	24	—	100	5
6R0.2*6*15*50	6	0.2	15	—	50	6
6R0.2*6*20*75	6	0.2	20	—	75	6
6R0.2*6*24*100	6	0.2	24	—	100	6
6R0.5*6*15*50	6	0.5	15	—	50	6

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

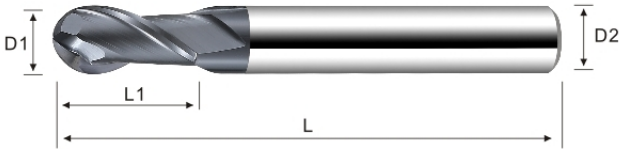


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
6R0.5*6*20*75	6	0.5	20	—	75	6
6R0.5*6*24*100	6	0.5	24	—	100	6
6R1.0*6*15*50	6	1.0	15	—	50	6
6R1.0*6*20*75	6	1.0	20	—	75	6
6R1.0*6*24*100	6	1.0	24	—	100	6
8R0.2*8*25*60	8	0.2	25	—	60	8
8R0.2*8*25*75	8	0.2	25	—	75	8
8R0.2*8*32*100	8	0.2	32	—	100	8
8R0.5*8*25*60	8	0.5	25	—	60	8
8R0.5*8*25*75	8	0.5	25	—	75	8
8R0.5*8*32*100	8	0.5	32	—	100	8
8R1.0*8*25*60	8	1.0	25	—	60	8
8R1.0*8*25*75	8	1.0	25	—	75	8
8R1.0*8*32*100	8	1.0	32	—	100	8
8R2.0*8*25*75	8	2.0	25	—	75	8
8R2.0*8*32*100	8	2.0	32	—	100	8
10R0.5*10*30*75	10	0.5	30	—	75	10
10R0.5*10*45*100	10	0.5	45	—	100	10
10R1.0*10*30*75	10	1.0	30	—	75	10
10R1.0*10*45*100	10	1.0	45	—	100	10
10R2.0*10*30*75	10	2.0	30	—	75	10
10R2.0*10*45*100	10	2.0	45	—	100	10
12R0.5*12*30*75	12	0.5	30	—	75	12
12R0.5*12*50*100	12	0.5	50	—	100	12
12R1.0*12*30*75	12	1.0	30	—	75	12
12R1.0*12*50*100	12	1.0	50	—	100	12
12R2.0*12*30*75	12	2.0	30	—	75	12
12R2.0*12*50*100	12	2.0	50	—	100	12
14R1.0*14*40*100	14	1.0	40	—	100	14
14R1.0*14*60*150	14	1.0	60	—	150	14
14R2.0*14*40*100	14	2.0	40	—	100	14
14R2.0*14*60*150	14	2.0	60	—	150	14
16R1.0*16*40*100	16	1.0	40	—	100	16
16R1.0*16*60*150	16	1.0	60	—	150	16
16R2.0*16*40*100	16	2.0	40	—	100	16
16R2.0*16*60*150	16	2.0	60	—	150	16
20R1.0*20*40*100	20	1.0	40	—	100	20
20R1.0*20*60*150	20	1.0	60	—	150	20
20R2.0*20*40*100	20	2.0	40	—	100	20

整体合金2刃球刀

litoral alloy 2-plade ball knife

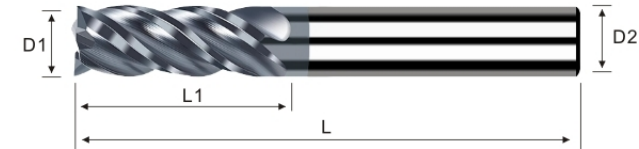


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	球半径 Sphere radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
R0.5*4*2*50	1	0.5	2	11°	50	4
R0.75*4*4*50	1.5	0.75	4	11°	50	4
R1.0*4*4*50	2	1.0	4	11°	50	4
R1.0*4*6*75	2	1.0	6	11°	75	4
R1.25*4*6*50	2.5	1.25	6	11°	50	4
R1.5*3*6*50	3	1.5	6	-	50	3
R1.5*4*6*50	3	1.5	6	11°	50	4
R1.5*4*8*75	3	1.5	8	11°	75	4
R1.75*4*8*50	3.5	1.75	8	11°	50	4
R2*4*8*50	4	2.0	8	-	50	4
R2*4*10*75	4	2.0	10	-	75	4
R2*4*10*100	4	2.0	10	-	100	4
R2.5*5*10*50	5	2.5	10	-	50	5
R2.5*5*13*75	5	2.5	13	-	75	5
R2.5*6*10*50	5	2.5	10	11°	50	6
R2.5*6*13*75	5	2.5	13	11°	75	6
R3*6*12*50	6	3.0	12	-	50	6
R3*6*12*75	6	3.0	12	-	75	6
R3*6*20*100	6	3.0	20	-	100	6
R4*8*16*60	8	4.0	16	-	60	8
R4*8*16*75	8	4.0	16	-	75	8
R4*8*20*100	8	4.0	20	-	100	8
R5*10*20*75	10	5.0	20	-	75	10
R5*10*25*100	10	5.0	25	-	100	10
R6*12*25*75	12	6.0	25	-	75	12
R6*12*25*100	12	6.0	25	-	100	12
R7*14*30*100	14	7.0	30	-	100	14
R7*14*42*150	14	7.0	42	-	150	14
R8*16*35*100	16	8.0	35	-	100	16
R8*16*45*150	16	8.0	45	-	150	16
R9*18*35*100	18	9.0	35	-	100	18
R9*18*45*150	18	9.0	45	-	150	18
R10*20*35*100	20	10.0	35	-	100	20
R10*20*45*150	20	10.0	45	-	150	20

整体合金4刃不等分动态铣刀

Solid alloy 4-side unequal dynamic milling cutter

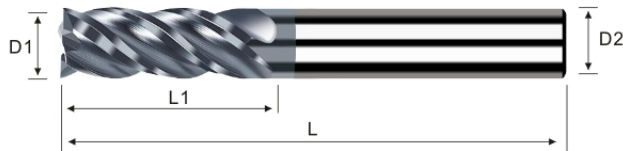


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickelalloy,titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
5*5*24*75	5	24	-	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
7*7*20*60	7	20	-	60	7
8*8*25*60	8	25	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*30*75	10	30	-	75	10
10*10*45*100	10	45	-	100	10
12*12*30*75	12	30	-	75	12
12*12*50*100	12	50	-	100	12
14*14*45*100	14	45	-	100	14
16*16*45*100	16	45	-	100	16

整体合金4刃不等分动态铣刀

Solid alloy 4-side unequal dynamic milling cutter

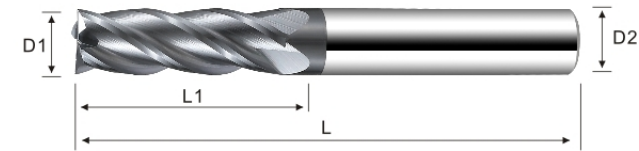


- 1.超细微粒合金棒材,刃口锋利,切削轻快;
- 2.用于HRC50度以下钢材,不锈钢加工;
- 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
- 4.TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
- 2.Suitable for machining of steel and stainless steel below HRC50 degrees
- 3.Also suitable for machining of copper, nickel alloy, titanium alloy and cast aluminum and so on;
- 4.TiAlN nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	C角保护 C-angle protection	全长L Flute Length	柄径D2 Shank diameter
4*4*10*50 C0.1	4	10	-	0.1	50	4
4*4*16*75 C0.1	4	16	-	0.1	75	4
4*4*16*100 C0.1	4	16	-	0.1	100	4
5*5*13*50 C0.1	5	13	-	0.1	50	5
5*5*24*75 C0.1	5	24	-	0.1	75	5
3*6*8*50 C0.1	3	8	11°	0.1	50	6
4*6*10*50 C0.1	4	10	11°	0.1	50	6
5*6*13*50 C0.1	5	13	11°	0.1	50	6
5*6*24*75 C0.1	5	24	11°	0.1	75	6
5*6*24*100 C0.1	5	24	11°	0.1	100	6
6*6*15*50 C0.15	6	15	-	0.15	50	6
6*6*24*75 C0.15	6	24	-	0.15	75	6
6*6*24*100 C0.15	6	24	-	0.15	100	6
7*7*20*60 C0.15	7	20	-	0.15	60	7
8*8*25*60 C0.15	8	25	-	0.15	60	8
8*8*25*75 C0.15	8	25	-	0.15	75	8
8*8*32*100 C0.15	8	32	-	0.15	100	8
10*10*30*75 C0.2	10	30	-	0.2	75	10
10*10*45*100 C0.2	10	45	-	0.2	100	10
12*12*30*75 C0.2	12	30	-	0.2	75	12
12*12*50*100 C0.2	12	50	-	0.2	100	12
14*14*45*100 C0.2	14	45	-	0.2	100	14
16*16*45*100 C0.2	16	45	-	0.2	100	16

整体合金4刃平头立铣刀

Solid alloy 4-side flat end milling cutter

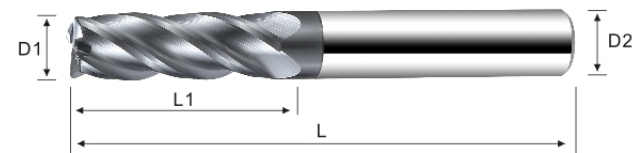


- 1.超细微粒合金棒材,耐磨性强;
- 2.用于用于HRC60度以下钢材加工;
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and highwear resistance;
- 2.Suitable for machining of steel belowHRC60 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1*4*3*50	1	3	11°	50	4
1.5*4*4*50	1.5	4	11°	50	4
2*4*6*50	2	6	11°	50	4
2.5*4*8*50	2.5	8	11°	50	4
3*3*8*50	3	8	-	50	3
3*4*8*50	3	8	11°	50	4
3*4*16*75	3	16	11°	75	4
4*4*10*50	4	10	-	50	4
4*4*16*75	4	16	-	75	4
4*4*16*100	4	16	-	100	4
5*5*13*50	5	13	-	50	5
5*5*24*75	5	24	-	75	5
3*6*8*50	3	8	11°	50	6
4*6*10*50	4	10	11°	50	6
5*6*13*50	5	13	11°	50	6
5*6*24*75	5	24	11°	75	6
5*6*24*100	5	24	11°	100	6
6*6*15*50	6	15	-	50	6
6*6*24*75	6	24	-	75	6
6*6*24*100	6	24	-	100	6
7*7*20*60	7	20	-	60	7
8*8*25*60	8	25	-	60	8
8*8*25*75	8	25	-	75	8
8*8*32*100	8	32	-	100	8
10*10*30*75	10	30	-	75	10
10*10*45*100	10	45	-	100	10
12*12*30*75	12	30	-	75	12
12*12*50*100	12	50	-	100	12
12*12*60*150	12	60	-	150	12
14*14*40*100	14	40	-	100	14
14*14*64*150	14	64	-	150	14
16*16*40*100	16	40	-	100	16
16*16*64*150	16	64	-	150	16
18*18*45*100	18	45	-	100	18
20*20*45*100	20	45	-	100	20
20*20*80*150	20	80	-	150	20

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

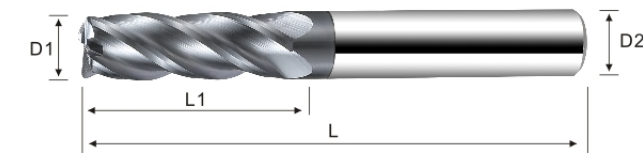


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于HRC60度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1R0.2*4*3*50	1	0.2	3	11°	50	4
1.5R0.2*4*4*50	1.5	0.2	4	11°	50	4
1.5R0.5*4*4*50	1.5	0.5	4	11°	50	4
2R0.2*4*6*50	2	0.2	6	11°	50	4
2R0.5*4*6*50	2	0.5	6	11°	50	4
3R0.2*4*8*50	3	0.2	8	11°	50	4
3R0.2*4*12*75	3	0.2	12	11°	75	4
3R0.2*4*16*100	3	0.2	16	11°	100	4
3R0.5*4*8*50	3	0.5	8	11°	50	4
3R0.5*4*12*75	3	0.5	12	11°	75	4
3R0.5*4*16*100	3	0.5	16	11°	100	4
3R1.0*4*8*50	3	1.0	8	11°	50	4
3R1.0*4*12*75	3	1.0	12	11°	75	4
3R1.0*4*16*100	3	1.0	16	11°	100	4
4R0.2*4*10*50	4	0.2	10	—	50	4
4R0.2*4*10*60	4	0.2	10	—	60	4
4R0.2*4*12*75	4	0.2	12	—	75	4
4R0.2*4*16*100	4	0.2	16	—	100	4
4R0.5*4*10*50	4	0.5	10	—	50	4
4R0.5*4*10*60	4	0.5	10	—	60	4
4R0.5*4*12*75	4	0.5	12	—	75	4
4R0.5*4*16*100	4	0.5	16	—	100	4
4R1.0*4*10*50	4	1.0	10	—	50	4
4R1.0*4*10*60	4	1.0	10	—	60	4
4R1.0*4*12*75	4	1.0	12	—	75	4
4R1.0*4*16*100	4	1.0	16	—	100	4
5R0.2*5*13*50	5	0.2	13	—	50	5
5R0.2*5*20*75	5	0.2	20	—	75	5
5R0.2*5*24*100	5	0.2	24	—	100	5
5R0.5*5*13*50	5	0.5	13	—	50	5
5R0.5*5*20*75	5	0.5	20	—	75	5
5R0.5*5*24*100	5	0.5	24	—	100	5
5R1.0*5*13*50	5	1.0	13	—	50	5
5R1.0*5*20*75	5	1.0	20	—	75	5
5R1.0*5*24*100	5	1.0	24	—	100	5
6R0.2*6*15*50	6	0.2	15	—	50	6
6R0.2*6*20*75	6	0.2	20	—	75	6
6R0.2*6*24*100	6	0.2	24	—	100	6
6R0.5*6*15*50	6	0.5	15	—	50	6

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

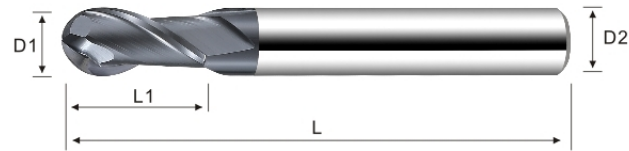


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于HRC60度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
6R0.5*6*20*75	6	0.5	20	—	75	6
6R0.5*6*24*100	6	0.5	24	—	100	6
6R1.0*6*15*50	6	1.0	15	—	50	6
6R1.0*6*20*75	6	1.0	20	—	75	6
6R1.0*6*24*100	6	1.0	24	—	100	6
8R0.2*8*25*60	8	0.2	25	—	60	8
8R0.2*8*25*75	8	0.2	25	—	75	8
8R0.2*8*32*100	8	0.2	32	—	100	8
8R0.5*8*25*60	8	0.5	25	—	60	8
8R0.5*8*25*75	8	0.5	25	—	75	8
8R0.5*8*32*100	8	0.5	32	—	100	8
8R1.0*8*25*60	8	1.0	25	—	60	8
8R1.0*8*25*75	8	1.0	25	—	75	8
8R1.0*8*32*100	8	1.0	32	—	100	8
8R2.0*8*25*75	8	2.0	25	—	75	8
8R2.0*8*32*100	8	2.0	32	—	100	8
10R0.5*10*30*75	10	0.5	30	—	75	10
10R0.5*10*45*100	10	0.5	45	—	100	10
10R1.0*10*30*75	10	1.0	30	—	75	10
10R1.0*10*45*100	10	1.0	45	—	100	10
10R2.0*10*30*75	10	2.0	30	—	75	10
10R2.0*10*45*100	10	2.0	45	—	100	10
12R0.5*12*30*75	12	0.5	30	—	75	12
12R0.5*12*50*100	12	0.5	50	—	100	12
12R1.0*12*30*75	12	1.0	30	—	75	12
12R1.0*12*50*100	12	1.0	50	—	100	12
12R2.0*12*30*75	12	2.0	30	—	75	12
12R2.0*12*50*100	12	2.0	50	—	100	12
14R1.0*14*40*100	14	1.0	40	—	100	14
14R1.0*14*60*150	14	1.0	60	—	150	14
14R2.0*14*40*100	14	2.0	40	—	100	14
14R2.0*14*60*150	14	2.0	60	—	150	14
16R1.0*16*40*100	16	1.0	40	—	100	16
16R1.0*16*60*150	16	1.0	60	—	150	16
16R2.0*16*40*100	16	2.0	40	—	100	16
16R2.0*16*60*150	16	2.0	60	—	150	16
20R1.0*20*40*100	20	1.0	40	—	100	20
20R1.0*20*60*150	20	1.0	60	—	150	20
20R2.0*20*40*100	20	2.0	40	—	100	20

整体合金2刃球刀

litoral alloy 2-plade ball knife

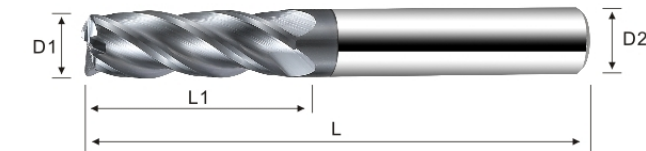


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于HRC60度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC60 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	球半径 Sphere radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
R0.5*4*2*50	1	0.5	2	11°	50	4
R0.75*4*4*50	1.5	0.75	4	11°	50	4
R1.0*4*4*50	2	1.0	4	11°	50	4
R1.0*4*6*75	2	1.0	6	11°	75	4
R1.25*4*6*50	2.5	1.25	6	11°	50	4
R1.5*3*6*50	3	1.5	6	-	50	3
R1.5*4*6*50	3	1.5	6	11°	50	4
R1.5*4*8*75	3	1.5	8	11°	75	4
R1.75*4*8*50	3.5	1.75	8	11°	50	4
R2*4*8*50	4	2.0	8	-	50	4
R2*4*10*75	4	2.0	10	-	75	4
R2*4*10*100	4	2.0	10	-	100	4
R2.5*5*10*50	5	2.5	10	-	50	5
R2.5*5*13*75	5	2.5	13	-	75	5
R2.5*6*10*50	5	2.5	10	11°	50	6
R2.5*6*13*75	5	2.5	13	11°	75	6
R3*6*12*50	6	3.0	12	-	50	6
R3*6*12*75	6	3.0	12	-	75	6
R3*6*20*100	6	3.0	20	-	100	6
R4*8*16*60	8	4.0	16	-	60	8
R4*8*16*75	8	4.0	16	-	75	8
R4*8*20*100	8	4.0	20	-	100	8
R5*10*20*75	10	5.0	20	-	75	10
R5*10*25*100	10	5.0	25	-	100	10
R6*12*25*75	12	6.0	25	-	75	12
R6*12*25*100	12	6.0	25	-	100	12
R7*14*30*100	14	7.0	30	-	100	14
R7*14*42*150	14	7.0	42	-	150	14
R8*16*35*100	16	8.0	35	-	100	16
R8*16*45*150	16	8.0	45	-	150	16
R9*18*35*100	18	9.0	35	-	100	18
R9*18*45*150	18	9.0	45	-	150	18
R10*20*35*100	20	10.0	35	-	100	20
R10*20*45*150	20	10.0	45	-	150	20

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

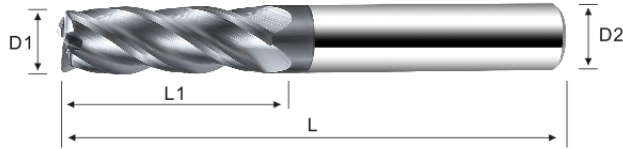


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于用于HRC70度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC70 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
1R0.2*4*3*50	1	0.2	3	11°	50	4
1.5R0.2*4*4*50	1.5	0.2	4	11°	50	4
1.5R0.5*4*4*50	1.5	0.5	4	11°	50	4
2R0.2*4*6*50	2	0.2	6	11°	50	4
2R0.5*4*6*50	2	0.5	6	11°	50	4
3R0.2*4*8*50	3	0.2	8	11°	50	4
3R0.2*4*12*75	3	0.2	12	11°	75	4
3R0.2*4*16*100	3	0.2	16	11°	100	4
3R0.5*4*8*50	3	0.5	8	11°	50	4
3R0.5*4*12*75	3	0.5	12	11°	75	4
3R0.5*4*16*100	3	0.5	16	11°	100	4
3R1.0*4*8*50	3	1.0	8	11°	50	4
3R1.0*4*12*75	3	1.0	12	11°	75	4
3R1.0*4*16*100	3	1.0	16	11°	100	4
4R0.2*4*10*50	4	0.2	10	-	50	4
4R0.2*4*10*60	4	0.2	10	-	60	4
4R0.2*4*12*75	4	0.2	12	-	75	4
4R0.2*4*16*100	4	0.2	16	-	100	4
4R0.5*4*10*50	4	0.5	10	-	50	4
4R0.5*4*10*60	4	0.5	10	-	60	4
4R0.5*4*12*75	4	0.5	12	-	75	4
4R0.5*4*16*100	4	0.5	16	-	100	4
4R1.0*4*10*50	4	1.0	10	-	50	4
4R1.0*4*10*60	4	1.0	10	-	60	4
4R1.0*4*12*75	4	1.0	12	-	75	4
4R1.0*4*16*100	4	1.0	16	-	100	4
5R0.2*5*13*50	5	0.2	13	-	50	5
5R0.2*5*20*75	5	0.2	20	-	75	5
5R0.2*5*24*100	5	0.2	24	-	100	5
5R0.5*5*13*50	5	0.5	13	-	50	5
5R0.5*5*20*75	5	0.5	20	-	75	5
5R0.5*5*24*100	5	0.5	24	-	100	5
5R1.0*5*13*50	5	1.0	13	-	50	5
5R1.0*5*20*75	5	1.0	20	-	75	5
5R1.0*5*24*100	5	1.0	24	-	100	5
6R0.2*6*15*50	6	0.2	15	-	50	6
6R0.2*6*20*75	6	0.2	20	-	75	6
6R0.2*6*24*100	6	0.2	24	-	100	6
6R0.5*6*15*50	6	0.5	15	-	50	6

整体合金4刃圆鼻立铣刀

Solid alloy 4-side round nose end mill

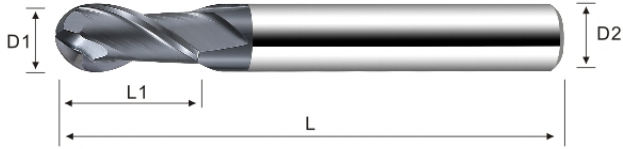


- 1.超细微粒合金棒材，耐磨性强；
- 2.用于用于HRC70度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC70 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	R角半径 R-angle radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
6R0.5*6*20*75	6	0.5	20	—	75	6
6R0.5*6*24*100	6	0.5	24	—	100	6
6R1.0*6*15*50	6	1.0	15	—	50	6
6R1.0*6*20*75	6	1.0	20	—	75	6
6R1.0*6*24*100	6	1.0	24	—	100	6
8R0.2*8*25*60	8	0.2	25	—	60	8
8R0.2*8*25*75	8	0.2	25	—	75	8
8R0.2*8*32*100	8	0.2	32	—	100	8
8R0.5*8*25*60	8	0.5	25	—	60	8
8R0.5*8*25*75	8	0.5	25	—	75	8
8R0.5*8*32*100	8	0.5	32	—	100	8
8R1.0*8*25*60	8	1.0	25	—	60	8
8R1.0*8*25*75	8	1.0	25	—	75	8
8R1.0*8*32*100	8	1.0	32	—	100	8
8R2.0*8*25*75	8	2.0	25	—	75	8
8R2.0*8*32*100	8	2.0	32	—	100	8
10R0.5*10*30*75	10	0.5	30	—	75	10
10R0.5*10*45*100	10	0.5	45	—	100	10
10R1.0*10*30*75	10	1.0	30	—	75	10
10R1.0*10*45*100	10	1.0	45	—	100	10
10R2.0*10*30*75	10	2.0	30	—	75	10
10R2.0*10*45*100	10	2.0	45	—	100	10
12R0.5*12*30*75	12	0.5	30	—	75	12
12R0.5*12*50*100	12	0.5	50	—	100	12
12R1.0*12*30*75	12	1.0	30	—	75	12
12R1.0*12*50*100	12	1.0	50	—	100	12
12R2.0*12*30*75	12	2.0	30	—	75	12
12R2.0*12*50*100	12	2.0	50	—	100	12
14R1.0*14*40*100	14	1.0	40	—	100	14
14R1.0*14*60*150	14	1.0	60	—	150	14
14R2.0*14*40*100	14	2.0	40	—	100	14
14R2.0*14*60*150	14	2.0	60	—	150	14
16R1.0*16*40*100	16	1.0	40	—	100	16
16R1.0*16*60*150	16	1.0	60	—	150	16
16R2.0*16*40*100	16	2.0	40	—	100	16
16R2.0*16*60*150	16	2.0	60	—	150	16
20R1.0*20*40*100	20	1.0	40	—	100	20
20R1.0*20*60*150	20	1.0	60	—	150	20
20R2.0*20*40*100	20	2.0	40	—	100	20

整体合金2刃球刀

Integral alloy 2-plade ball knife



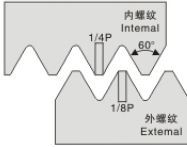
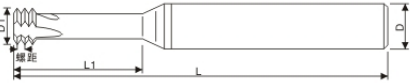
- 1.超细微粒合金棒材，耐磨性强；
- 2.用于用于HRC70度以下钢材加工；
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
- 2.Suitable for machining of steel below HRC70 degrees;
- 3.Also suitable for machining of stainless steel and cast iron and so on.
- 4.Composite nano-coating.

MODEL	刃径D1 Flute Diameter	球半径 Sphere radius	刃长L1 Flute Length	锥柄角度 Cone handle angle	全长L Flute Length	柄径D2 Shank diameter
R0.5*4*2*50	1	0.5	2	11°	50	4
R0.75*4*4*50	1.5	0.75	4	11°	50	4
R1.0*4*4*50	2	1.0	4	11°	50	4
R1.0*4*6*75	2	1.0	6	11°	75	4
R1.25*4*6*50	2.5	1.25	6	11°	50	4
R1.5*3*6*50	3	1.5	6	—	50	3
R1.5*4*6*50	3	1.5	6	11°	50	4
R1.5*4*8*75	3	1.5	8	11°	75	4
R1.75*4*8*50	3.5	1.75	8	11°	50	4
R2*4*8*50	4	2.0	8	—	50	4
R2*4*10*75	4	2.0	10	—	75	4
R2*4*10*100	4	2.0	10	—	100	4
R2.5*5*10*50	5	2.5	10	—	50	5
R2.5*5*13*75	5	2.5	13	—	75	5
R2.5*6*10*50	5	2.5	10	11°	50	6
R2.5*6*13*75	5	2.5	13	11°	75	6
R3*6*12*50	6	3.0	12	—	50	6
R3*6*12*75	6	3.0	12	—	75	6
R3*6*20*100	6	3.0	20	—	100	6
R4*8*16*60	8	4.0	16	—	60	8
R4*8*16*75	8	4.0	16	—	75	8
R4*8*20*100	8	4.0	20	—	100	8
R5*10*20*75	10	5.0	20	—	75	10
R5*10*25*100	10	5.0	25	—	100	10
R6*12*25*75	12	6.0	25	—	75	12
R6*12*25*100	12	6.0	25	—	100	12
R7*14*30*100	14	7.0	30	—	100	14
R7*14*42*150	14	7.0	42	—	150	14
R8*16*35*100	16	8.0	35	—	100	16
R8*16*45*150	16	8.0	45	—	150	16
R9*18*35*100	18	9.0	35	—	100	18
R9*18*45*150	18	9.0	45	—	150	18
R10*20*35*100	20	10.0	35	—	100	20
R10*20*45*150	20	10.0	45	—	150	20

高性能整体合金螺纹铣刀

High Performance Solid Carbide Thread Mills

ISO M 公制三牙螺纹铣刀
ISO Metric Threeth Tooth Thread Milling Cutter



螺旋角15°
Helical angle 15°
可加工: ≤HRC50 钢件、铸铁、不锈钢、耐热合金、铝合金
Work materials: ≤HRC50 Low-carbon steel, Stainless steel, Castiron, Heat resistant Material, Aluminum alloy

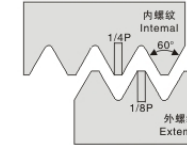
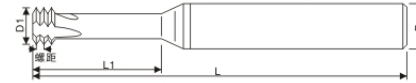


型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M1.8*0.35*1.4*D4 3T	0.35	1.4	3.8	4	50	3	1.5	HRC50/古铜色
M2.0*0.4*1.55*D4 3T	0.4	1.55	4.3	4	50	3	1.6	HRC50/古铜色
M2.2*0.45*1.65*D4 3T	0.45	1.65	5.3	4	50	3	1.8	HRC50/古铜色
M2.5*0.45*1.95*D4 3T	0.45	1.95	5.3	4	50	3	2.1	HRC50/古铜色
M3*0.5*2.4*D4 3T	0.5	2.4	6.6	4	50	3	2.5	HRC50/古铜色
M3.5*0.6*2.75*D4 3T	0.6	2.75	7.6	4	50	3	2.9	HRC50/古铜色
M4*0.5*3.15*D4 3T	0.5	3.15	8.6	4	50	3	3.3	HRC50/古铜色
M4*0.7*3.15*D4 3T	0.7	3.15	8.6	4	50	3	3.3	HRC50/古铜色
M5*0.8*3.9*D4 3T	0.8	3.9	11.0	4	50	3	4.2	HRC50/古铜色
M6*0.75*4.8*D6 3T	0.75	4.8	14.0	6	50	3	5.3	HRC50/古铜色
M6*1*4.8*D6 4T	1.0	4.8	14.0	6	50	4	5.0	HRC50/古铜色
M8*1.25*5.95*D6 4T	1.25	5.95	16.5	6	60	4	6.8	HRC50/古铜色
M8*1.25*5.95*D8 4T	1.25	5.95	16.5	8	65	4	6.8	HRC50/古铜色
M8*1.25*5.95*D8 6T	1.25	5.95	16.5	8	65	6	6.8	HRC50/古铜色
M10*1.5*7.95*D8 4T	1.5	7.95	22.0	8	65	4	8.5	HRC50/古铜色
M10*1.5*7.95*D10 4T	1.5	7.95	22.0	10	75	4	8.5	HRC50/古铜色
M10*1.5*7.95*D10 6T	1.5	7.95	22.0	10	75	6	8.5	HRC50/古铜色
M12*1.5*9.9*D10 4T	1.5	9.9	27.0	10	75	4	10.5	HRC50/古铜色
M12*1.75*9.9*D10 4T	1.75	9.9	27.0	10	75	4	10.5	HRC50/古铜色
M12*1.75*9.9*D10 6T	1.75	9.9	27.0	10	75	6	10.5	HRC50/古铜色
M14*2*11.6*D12 4T	2.0	11.6	33.0	12	80	4	12.0	HRC50/古铜色
M14*2*11.6*D12 6T	2.0	11.6	33.0	12	80	6	12.0	HRC50/古铜色
M16*2*13.6*D14 4T	2.0	13.6	33.0	14	80	4	14.0	HRC50/古铜色
M16*2*13.6*D14 6T	2.0	13.6	33.0	14	80	6	14.0	HRC50/古铜色

高性能整体合金螺纹铣刀

High Performance Solid Carbide Thread Mills

ISO M 公制三牙螺纹铣刀
ISO Metric Threeth Tooth Thread Milling Cutter



螺旋角15°
Helical angle 15°
可加工: ≤HRC50 钢件、铸铁、不锈钢、耐热合金、铝合金
Work materials: ≤HRC50 Low-carbon steel, Stainless steel, Castiron, Heat resistant Material, Aluminum alloy

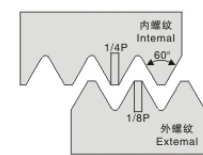
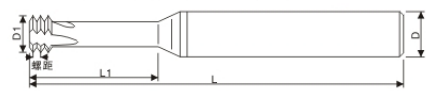


型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M1.8*0.35*1.4*D4 3T	0.35	1.4	3.8	4	50	3	1.5	HRC50/黑色
M2.0*0.4*1.55*D4 3T	0.4	1.55	4.3	4	50	3	1.6	HRC50/黑色
M2.2*0.45*1.65*D4 3T	0.45	1.65	5.3	4	50	3	1.8	HRC50/黑色
M2.5*0.45*1.95*D4 3T	0.45	1.95	5.3	4	50	3	2.1	HRC50/黑色
M3*0.5*2.4*D4 3T	0.5	2.4	6.6	4	50	3	2.5	HRC50/黑色
M3.5*0.6*2.75*D4 3T	0.6	2.75	7.6	4	50	3	2.9	HRC50/黑色
M4*0.5*3.15*D4 3T	0.5	3.15	8.6	4	50	3	3.3	HRC50/黑色
M4*0.7*3.15*D4 3T	0.7	3.15	8.6	4	50	3	3.3	HRC50/黑色
M5*0.8*3.9*D4 3T	0.8	3.9	11.0	4	50	3	4.2	HRC50/黑色
M6*0.75*4.8*D6 3T	0.75	4.8	14.0	6	50	3	5.3	HRC50/黑色
M6*1*4.8*D6 4T	1.0	4.8	14.0	6	50	4	5.0	HRC50/黑色
M8*1.25*5.95*D6 4T	1.25	5.95	16.5	6	60	4	6.8	HRC50/黑色
M8*1.25*5.95*D8 4T	1.25	5.95	16.5	8	65	4	6.8	HRC50/黑色
M8*1.25*5.95*D8 6T	1.25	5.95	16.5	8	65	6	6.8	HRC50/黑色
M10*1.5*7.95*D8 4T	1.5	7.95	22.0	8	65	4	8.5	HRC50/黑色
M10*1.5*7.95*D10 4T	1.5	7.95	22.0	10	75	4	8.5	HRC50/黑色
M10*1.5*7.95*D10 6T	1.5	7.95	22.0	10	75	6	8.5	HRC50/黑色
M12*1.5*9.9*D10 4T	1.5	9.9	27.0	10	75	4	10.5	HRC50/黑色
M12*1.75*9.9*D10 4T	1.75	9.9	27.0	10	75	4	10.5	HRC50/黑色
M12*1.75*9.9*D10 6T	1.75	9.9	27.0	10	75	6	10.5	HRC50/黑色
M14*2*11.6*D12 4T	2.0	11.6	33.0	12	80	4	12.0	HRC50/黑色
M14*2*11.6*D12 6T	2.0	11.6	33.0	12	80	6	12.0	HRC50/黑色
M16*2*13.6*D14 4T	2.0	13.6	33.0	14	80	4	14.0	HRC50/黑色
M16*2*13.6*D14 6T	2.0	13.6	33.0	14	80	6	14.0	HRC50/黑色

高性能整体合金螺纹铣刀

High Performance Solid Carbide Thread Mills

ISO M 公制三牙螺纹铣刀
ISO Metric Ththree Tooth Thread Milling Cutter



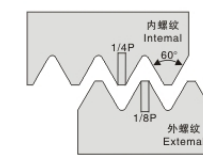
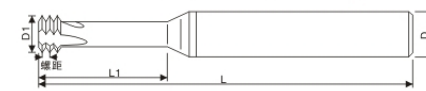
螺旋角15°
Helical angle 15°
可加工: ≤HRC50 铝合金、铜件
Work materials: ≤HRC50 Aluminum alloy、Copper parts

型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M1.8*0.35*1.4*D4 3T	0.35	1.4	4.5	4	50	3	1.5	HRC50/七彩
M2.0*0.4*1.55*D4 3T	0.4	1.55	6.0	4	50	3	1.6	HRC50/七彩
M2.2*0.45*1.65*D4 3T	0.45	1.65	6.5	4	50	3	1.8	HRC50/七彩
M2.5*0.45*1.95*D4 3T	0.45	1.95	7.5	4	50	3	2.1	HRC50/七彩
M3*0.5*2.4*D4 3T	0.5	2.4	9.0	4	50	3	2.5	HRC50/七彩
M3.5*0.6*2.75*D4 3T	0.6	2.75	9.0	4	50	3	2.9	HRC50/七彩
M4*0.5*3.15*D4 3T	0.5	3.15	12.0	4	50	3	3.3	HRC50/七彩
M4*0.7*3.15*D4 3T	0.7	3.15	12.0	4	50	3	3.3	HRC50/七彩
M5*0.8*3.9*D4 3T	0.8	3.9	15.0	4	50	3	4.2	HRC50/七彩
M6*0.75*4.8*D6 3T	0.75	4.8	15.0	6	50	3	5.3	HRC50/七彩
M6*1*4.8*D6 4T	1.0	4.8	15.0	6	50	4	5.0	HRC50/七彩
M8*1.25*5.95*D6 4T	1.25	5.95	20.0	6	60	4	6.8	HRC50/七彩
M8*1.25*5.95*D8 4T	1.25	5.95	20.0	8	65	4	6.8	HRC50/七彩
M8*1.25*5.95*D8 6T	1.25	5.95	20.0	8	65	6	6.8	HRC50/七彩
M10*1.5*7.95*D8 4T	1.5	7.95	25.0	8	65	4	8.5	HRC50/七彩
M10*1.5*7.95*D10 4T	1.5	7.95	25.0	10	75	4	8.5	HRC50/七彩
M10*1.5*7.95*D10 6T	1.5	7.95	25.0	10	75	6	8.5	HRC50/七彩
M12*1.5*9.9*D10 4T	1.5	9.9	35.0	10	75	4	10.5	HRC50/七彩
M12*1.75*9.9*D10 4T	1.75	9.9	35.0	10	75	4	10.5	HRC50/七彩
M12*1.75*9.9*D10 6T	1.75	9.9	35.0	10	75	6	10.5	HRC50/七彩
M14*2*11.6*D12 4T	2.0	11.6	35.0	12	80	4	12.0	HRC50/七彩
M14*2*11.6*D12 6T	2.0	11.6	35.0	12	80	6	12.0	HRC50/七彩
M16*2*13.6*D14 4T	2.0	13.6	35.0	14	80	4	14.0	HRC50/七彩
M16*2*13.6*D14 6T	2.0	13.6	35.0	14	80	6	14.0	HRC50/七彩

高性能整体合金螺纹铣刀

High Performance Solid Carbide Thread Mills

ISO M 公制三牙螺纹铣刀
ISO Metric Ththree Tooth Thread Milling Cutter



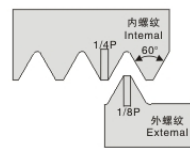
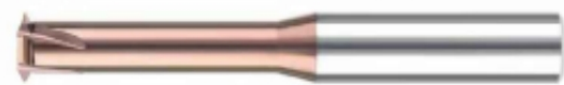
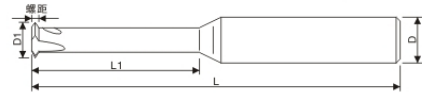
螺旋角15°
Helical angle 15°
可加工: ≤HRC50 铝合金、铜件
Work materials: ≤HRC50 Aluminum alloy、Copper parts

型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M1.8*0.35*1.4*D4 3T	0.35	1.4	4.5	4	50	3	1.5	HRC50
M2.0*0.4*1.55*D4 3T	0.4	1.55	6.0	4	50	3	1.6	HRC50
M2.2*0.45*1.65*D4 3T	0.45	1.65	6.5	4	50	3	1.8	HRC50
M2.5*0.45*1.95*D4 3T	0.45	1.95	7.5	4	50	3	2.1	HRC50
M3*0.5*2.4*D4 3T	0.5	2.4	9.0	4	50	3	2.5	HRC50
M3.5*0.6*2.75*D4 3T	0.6	2.75	9.0	4	50	3	2.9	HRC50
M4*0.5*3.15*D4 3T	0.5	3.15	12.0	4	50	3	3.3	HRC50
M4*0.7*3.15*D4 3T	0.7	3.15	12.0	4	50	3	3.3	HRC50
M5*0.8*3.9*D4 3T	0.8	3.9	15.0	4	50	3	4.2	HRC50
M6*0.75*4.8*D6 3T	0.75	4.8	15.0	6	50	3	5.3	HRC50
M6*1*4.8*D6 4T	1.0	4.8	15.0	6	50	4	5.0	HRC50
M8*1.25*5.95*D6 4T	1.25	5.95	20.0	6	60	4	6.8	HRC50
M8*1.25*5.95*D8 4T	1.25	5.95	20.0	8	65	4	6.8	HRC50
M8*1.25*5.95*D8 6T	1.25	5.95	20.0	8	65	6	6.8	HRC50
M10*1.5*7.95*D8 4T	1.5	7.95	25.0	8	65	4	8.5	HRC50
M10*1.5*7.95*D10 4T	1.5	7.95	25.0	10	75	4	8.5	HRC50
M10*1.5*7.95*D10 6T	1.5	7.95	25.0	10	75	6	8.5	HRC50
M12*1.5*9.9*D10 4T	1.5	9.9	32.0	10	75	4	10.5	HRC50
M12*1.75*9.9*D10 4T	1.75	9.9	32.0	10	75	4	10.5	HRC50
M12*1.75*9.9*D10 6T	1.75	9.9	32.0	10	75	6	10.5	HRC50
M14*2*11.6*D12 4T	2.0	11.6	35.0	12	80	4	12.0	HRC50
M14*2*11.6*D12 6T	2.0	11.6	35.0	12	80	6	12.0	HRC50
M16*2*13.6*D14 4T	2.0	13.6	37.0	14	80	4	14.0	HRC50
M16*2*13.6*D14 6T	2.0	13.6	37.0	14	80	6	14.0	HRC50

高性能整体合金螺纹铣刀

High Performance Solid Carbide Thread Mills

ISO M 公制单牙螺纹铣刀
ISO Metric Thrtree Tooth Thread Milling Cutter



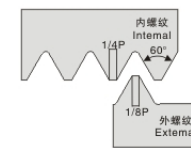
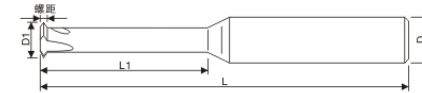
螺旋角15°
Helical angle 15°
可加工: ≤HRC50 钢件、铸铁、不锈钢、耐热合金、铝合金
Work materials: ≤HRC50 Low-carbon steel, Stainless steel, Castiron, Heat resistant Material、Aluminum alloy

型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M1.8*0.35*1.4*D4 3T	0.35	1.4	5.6	4	50	3	1.5	HRC50/古铜色
M2.0*0.4*1.55*D4 3T	0.4	1.55	6.2	4	50	3	1.6	HRC50/古铜色
M2.2*0.45*1.65*D4 3T	0.45	1.65	6.5	4	50	3	1.8	HRC50/古铜色
M2.5*0.45*1.95*D4 3T	0.45	1.95	7.7	4	50	3	2.1	HRC50/古铜色
M3*0.5*2.4*D4 3T	0.5	2.4	9.2	4	50	3	2.5	HRC50/古铜色
M3.5*0.6*2.75*D4 3T	0.6	2.75	10.0	4	50	3	2.9	HRC50/古铜色
M4*0.5*3.15*D4 3T	0.5	3.15	12.0	4	50	3	3.3	HRC50/古铜色
M4*0.7*3.15*D4 3T	0.7	3.15	12.0	4	50	3	3.3	HRC50/古铜色
M5*0.8*3.9*D4 3T	0.8	3.9	15.0	4	50	3	4.2	HRC50/古铜色
M6*0.75*4.8*D6 4T	0.75	4.8	20.0	6	50	4	5.3	HRC50/古铜色
M6*1*4.8*D6 4T	1.0	4.8	20.0	6	50	4	5.0	HRC50/古铜色
M8*1.25*5.95*D6 4T	1.25	5.95	25.0	6	60	4	6.8	HRC50/古铜色
M8*1.25*5.95*D8 4T	1.25	5.95	25.0	8	65	4	6.8	HRC50/古铜色
M8*1.25*5.95*D8 5T	1.25	5.95	25.0	8	65	5	6.8	HRC50/古铜色
M10*1.5*7.95*D8 5T	1.5	7.95	32.0	8	65	5	8.5	HRC50/古铜色
M10*1.5*7.95*D10 5T	1.5	7.95	32.0	10	75	5	8.5	HRC50/古铜色
M10*1.5*7.95*D10 6T	1.5	7.95	32.0	10	75	6	8.5	HRC50/古铜色
M12*1.5*9.9*D10 5T	1.5	9.9	38.0	10	75	5	10.5	HRC50/古铜色
M12*1.75*9.9*D10 5T	1.75	9.9	38.0	10	75	5	10.5	HRC50/古铜色
M12*1.75*9.9*D10 6T	1.75	9.9	38.0	10	75	6	10.5	HRC50/古铜色
M14*2*11.6*D12 5T	2.0	11.6	42.0	12	80	5	12.0	HRC50/古铜色
M14*2*11.6*D12 6T	2.0	11.6	42.0	12	80	6	12.0	HRC50/古铜色
M16*2*13.6*D14 5T	2.0	13.6	42.0	14	80	5	14.0	HRC50/古铜色
M16*2*13.6*D14 6T	2.0	13.6	42.0	14	80	6	14.0	HRC50/古铜色

高性能整体合金螺纹铣刀

High Performance Solid Carbide Thread Mills

ISO M 公制单牙螺纹铣刀
ISO Metric Thrtree Tooth Thread Milling Cutter



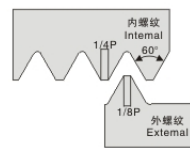
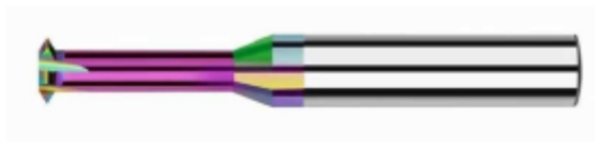
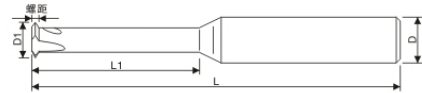
螺旋角15°
Helical angle 15°
可加工: ≤HRC50 钢件、铸铁、不锈钢、耐热合金、铝合金
Work materials: ≤HRC50 Low-carbon steel, Stainless steel, Castiron, Heat resistant Material、Aluminum alloy

型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M1.8*0.35*1.4*D4 3T	0.35	1.4	5.6	4	50	3	1.5	HRC50/黑色
M2.0*0.4*1.55*D4 3T	0.4	1.55	6.2	4	50	3	1.6	HRC50/黑色
M2.2*0.45*1.65*D4 3T	0.45	1.65	6.5	4	50	3	1.8	HRC50/黑色
M2.5*0.45*1.95*D4 3T	0.45	1.95	7.7	4	50	3	2.1	HRC50/黑色
M3*0.5*2.4*D4 3T	0.5	2.4	9.2	4	50	3	2.5	HRC50/黑色
M3.5*0.6*2.75*D4 3T	0.6	2.75	10.0	4	50	3	2.9	HRC50/黑色
M4*0.5*3.15*D4 3T	0.5	3.15	12.0	4	50	3	3.3	HRC50/黑色
M4*0.7*3.15*D4 3T	0.7	3.15	12.0	4	50	3	3.3	HRC50/黑色
M5*0.8*3.9*D4 3T	0.8	3.9	15.0	4	50	3	4.2	HRC50/黑色
M6*0.75*4.8*D6 3T	0.75	4.8	20.0	6	50	4	5.3	HRC50/黑色
M6*1*4.8*D6 4T	1.0	4.8	20.0	6	50	4	5.0	HRC50/黑色
M8*1.25*5.95*D6 4T	1.25	5.95	25.0	6	60	4	6.8	HRC50/黑色
M8*1.25*5.95*D8 4T	1.25	5.95	25.0	8	65	4	6.8	HRC50/黑色
M8*1.25*5.95*D8 6T	1.25	5.95	25.0	8	65	5	6.8	HRC50/黑色
M10*1.5*7.95*D8 4T	1.5	7.95	32.0	8	65	5	8.5	HRC50/黑色
M10*1.5*7.95*D10 4T	1.5	7.95	32.0	10	75	5	8.5	HRC50/黑色
M10*1.5*7.95*D10 6T	1.5	7.95	32.0	10	75	6	8.5	HRC50/黑色
M12*1.5*9.9*D10 4T	1.5	9.9	38.0	10	75	5	10.5	HRC50/黑色
M12*1.75*9.9*D10 4T	1.75	9.9	38.0	10	75	5	10.5	HRC50/黑色
M12*1.75*9.9*D10 6T	1.75	9.9	38.0	10	75	6	10.5	HRC50/黑色
M14*2*11.6*D12 4T	2.0	11.6	42.0	12	80	5	12.0	HRC50/黑色
M14*2*11.6*D12 6T	2.0	11.6	42.0	12	80	6	12.0	HRC50/黑色
M16*2*13.6*D14 4T	2.0	13.6	42.0	14	80	5	14.0	HRC50/黑色
M16*2*13.6*D14 6T	2.0	13.6	42.0	14	80	6	14.0	HRC50/黑色

高性能整体合金螺纹铣刀

High Performance Solid Carbide Thread Mills

ISO M 公制单牙螺纹铣刀
ISO Metric Thrtree Tooth Thread Milling Cutter



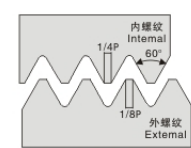
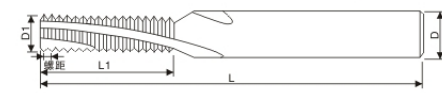
螺旋角15°
Helical angle 15°
可加工: ≤HRC50 铝合金、铜件
Work materials: ≤HRC50 Aluminum alloy、Copper parts

型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M1.8*0.35*1.4*D4 3T	0.35	1.4	5.6	4	50	3	1.5	HRC50/七彩
M2.0*0.4*1.55*D4 3T	0.4	1.55	6.2	4	50	3	1.6	HRC50/七彩
M2.2*0.45*1.65*D4 3T	0.45	1.65	6.5	4	50	3	1.8	HRC50/七彩
M2.5*0.45*1.95*D4 3T	0.45	1.95	7.7	4	50	3	2.1	HRC50/七彩
M3*0.5*2.4*D4 3T	0.5	2.4	9.2	4	50	3	2.5	HRC50/七彩
M3.5*0.6*2.75*D4 3T	0.6	2.75	10.0	4	50	3	2.9	HRC50/七彩
M4*0.5*3.15*D4 3T	0.5	3.15	12.0	4	50	3	3.3	HRC50/七彩
M4*0.7*3.15*D4 3T	0.7	3.15	12.0	4	50	3	3.3	HRC50/七彩
M5*0.8*3.9*D4 3T	0.8	3.9	15.0	4	50	3	4.2	HRC50/七彩
M6*0.75*4.8*D6 4T	0.75	4.8	20.0	6	50	4	5.3	HRC50/七彩
M6*1*4.8*D6 4T	1.0	4.8	20.0	6	50	4	5.0	HRC50/七彩
M8*1.25*5.95*D6 4T	1.25	5.95	25.0	6	60	4	6.8	HRC50/七彩
M8*1.25*5.95*D8 4T	1.25	5.95	25.0	8	65	4	6.8	HRC50/七彩
M8*1.25*5.95*D8 5T	1.25	5.95	25.0	8	65	5	6.8	HRC50/七彩
M10*1.5*7.95*D8 5T	1.5	7.95	32.0	8	65	5	8.5	HRC50/七彩
M10*1.5*7.95*D10 5T	1.5	7.95	32.0	10	75	5	8.5	HRC50/七彩
M10*1.5*7.95*D10 6T	1.5	7.95	32.0	10	75	6	8.5	HRC50/七彩
M12*1.5*9.9*D10 5T	1.5	9.9	38.0	10	75	5	10.5	HRC50/七彩
M12*1.75*9.9*D10 5T	1.75	9.9	38.0	10	75	5	10.5	HRC50/七彩
M12*1.75*9.9*D10 6T	1.75	9.9	38.0	10	75	6	10.5	HRC50/七彩
M14*2*11.6*D12 5T	2.0	11.6	42.0	12	80	5	12.0	HRC50/七彩
M14*2*11.6*D12 6T	2.0	11.6	42.0	12	80	6	12.0	HRC50/七彩
M16*2*13.6*D14 5T	2.0	13.6	42.0	14	80	5	14.0	HRC50/七彩
M16*2*13.6*D14 6T	2.0	13.6	42.0	14	80	6	14.0	HRC50/七彩

高性能整体合金螺纹铣刀

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ISO M 公制全牙螺纹铣刀
ISO Metric Thrtree Tooth Thread Milling Cutter



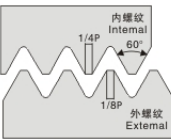
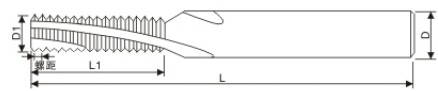
螺旋角15°
Helical angle 15°
可加工: ≤HRC50钢件、铸铁、不锈钢、耐热合金、铝合金
Work materials: ≤HRC50 Low-carbon steel, Stainless steel、Castiron, Heat resistant Material、Aluminum alloy

型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M3*0.5*2.4*D4 4T	0.5	2.4	6.6	4	50	4	2.5	HRC50/古铜色
M3.5*0.6*2.75*D4 4T	0.6	2.75	7.6	4	50	4	2.9	HRC50/古铜色
M4*0.5*3.2*D4 4T	0.5	3.2	8.6	4	50	4	3.3	HRC50/古铜色
M4*0.7*3.15*D4 4T	0.7	3.15	8.6	4	50	4	3.3	HRC50/古铜色
M5*0.8*3.9*D4 4T	0.8	3.9	10.5	4	50	4	4.2	HRC50/古铜色
M6*0.75*4.8*D6 4T	0.75	4.8	12.0	6	50	4	5.3	HRC50/古铜色
M6*1*4.8*D6 4T	1.0	4.8	12.0	6	50	4	5.0	HRC50/古铜色
M8*1*5.9*D8 4T	1.0	5.9	16.5	8	65	4	7.0	HRC50/古铜色
M8*1*5.9*D8 6T	1.0	5.9	16.5	8	65	6	7.0	HRC50/古铜色
M8*1.25*5.9*D6 4T	1.25	5.9	16.5	6	60	4	6.8	HRC50/古铜色
M8*1.25*5.9*D8 4T	1.25	5.9	16.5	8	65	4	6.8	HRC50/古铜色
M8*1.25*5.9*D8 6T	1.25	5.9	16.5	8	65	6	6.8	HRC50/古铜色
M10*1*7.95*D8 4T	1.0	7.95	20.0	8	65	4	9.0	HRC50/古铜色
M10*1.25*7.95*D8 4T	1.25	7.95	20.0	8	65	4	8.8	HRC50/古铜色
M10*1.5*7.95*D8 4T	1.5	7.95	20.0	8	65	4	8.5	HRC50/古铜色
M10*1.5*7.95*D10 4T	1.5	7.95	20.0	10	75	4	8.5	HRC50/古铜色
M10*1.5*7.95*D10 6T	1.5	7.95	20.0	10	75	6	8.5	HRC50/古铜色
M12*1.25*9.9*D10 4T	1.25	9.9	24.0	10	75	4	10.8	HRC50/古铜色
M12*1.5*9.9*D10 4T	1.5	9.9	24.0	10	75	4	10.5	HRC50/古铜色
M12*1.75*9.9*D10 4T	1.75	9.9	24.0	10	75	4	12.0	HRC50/古铜色
M12*1.75*9.9*D10 6T	1.75	9.9	24.0	10	75	6	12.0	HRC50/古铜色
M14*1.5*11.9*D12 4T	1.5	11.9	30.0	12	80	4	12.5	HRC50/古铜色
M14*2*11.6*D12 4T	2.0	11.6	30.0	12	80	4	12.0	HRC50/古铜色
M14*2*11.6*D12 6T	2.0	11.6	30.0	12	80	6	12.0	HRC50/古铜色
M16*2*13.6*D14 4T	2.0	13.6	32.0	14	80	4	14.0	HRC50/古铜色
M16*2*13.6*D14 6T	2.0	13.6	32.0	14	80	6	14.0	HRC50/古铜色

高性能整体合金螺纹铣刀

High Performance Solid Carbide Thread Mills

ISO M 公制全牙螺纹铣刀
ISO Metric Thrtree Tooth Thread Milling Cutter



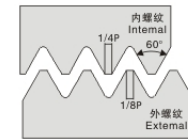
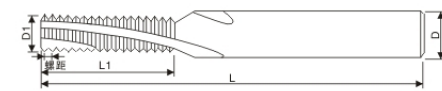
螺旋角15°
Helical angle 15°
可加工: ≤HRC50 钢件、铸铁、不锈钢、耐热合金、铝合金
Work materials: ≤HRC50 Low-carbon steel, Stainless steel, Castiron, Heat resistant Material、Aluminum alloy

型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M3*0.5*2.4*D4 4T	0.5	2.4	6.6	4	50	4	2.5	HRC50/黑色
M3.5*0.6*2.75*D4 4T	0.6	2.75	7.6	4	50	4	2.9	HRC50/黑色
M4*0.5*3.2*D4 4T	0.5	3.2	8.6	4	50	4	3.3	HRC50/黑色
M4*0.7*3.15*D4 4T	0.7	3.15	8.6	4	50	4	3.3	HRC50/黑色
M5*0.8*3.9*D4 4T	0.8	3.9	10.5	4	50	4	4.2	HRC50/黑色
M6*0.75*4.8*D6 4T	0.75	4.8	12.0	6	50	4	5.3	HRC50/黑色
M6*1*4.8*D6 4T	1.0	4.8	12.0	6	50	4	5.0	HRC50/黑色
M8*1*5.9*D8 4T	1.0	5.9	16.5	8	65	4	7.0	HRC50/黑色
M8*1*5.9*D8 6T	1.0	5.9	16.5	8	65	6	7.0	HRC50/黑色
M8*1.25*5.9*D6 4T	1.25	5.9	16.5	6	60	4	6.8	HRC50/黑色
M8*1.25*5.9*D8 4T	1.25	5.9	16.5	8	65	4	6.8	HRC50/黑色
M8*1.25*5.9*D8 6T	1.25	5.9	16.5	8	65	6	6.8	HRC50/黑色
M10*1*7.95*D8 4T	1.0	7.95	20.0	8	65	4	9.0	HRC50/黑色
M10*1.25*7.95*D8 4T	1.25	7.95	20.0	8	65	4	8.8	HRC50/黑色
M10*1.5*7.95*D8 4T	1.5	7.95	20.0	8	65	4	8.5	HRC50/黑色
M10*1.5*7.95*D10 4T	1.5	7.95	20.0	10	75	4	8.5	HRC50/黑色
M10*1.5*7.95*D10 6T	1.5	7.95	20.0	10	75	6	8.5	HRC50/黑色
M12*1.25*9.9*D10 4T	1.25	9.9	24.0	10	75	4	10.8	HRC50/黑色
M12*1.5*9.9*D10 4T	1.5	9.9	24.0	10	75	4	10.5	HRC50/黑色
M12*1.75*9.9*D10 4T	1.75	9.9	24.0	10	75	4	12.0	HRC50/黑色
M12*1.75*9.9*D10 6T	1.75	9.9	24.0	10	75	6	12.0	HRC50/黑色
M14*1.5*11.9*D12 4T	1.5	11.9	30.0	12	80	4	12.5	HRC50/黑色
M14*2*11.6*D12 4T	2.0	11.6	30.0	12	80	4	12.0	HRC50/黑色
M14*2*11.6*D12 6T	2.0	11.6	30.0	12	80	6	12.0	HRC50/黑色
M16*2*13.6*D14 4T	2.0	13.6	32.0	14	80	4	14.0	HRC50/黑色
M16*2*13.6*D14 6T	2.0	13.6	32.0	14	80	6	14.0	HRC50/黑色

高性能整体合金螺纹铣刀

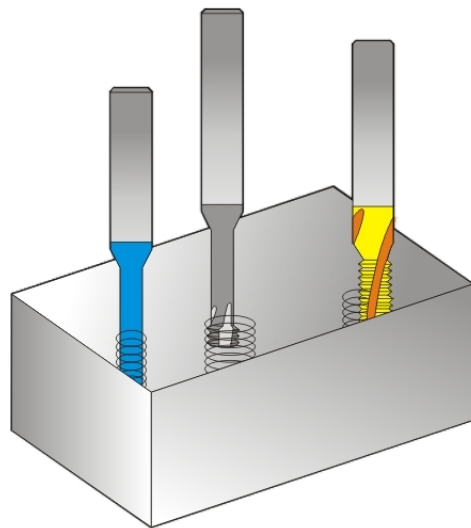
High Performance Solid Carbide Thread Mills

ISO M 公制全牙螺纹铣刀
ISO Metric Thrtree Tooth Thread Milling Cutter



螺旋角15°
Helical angle 15°
可加工: ≤HRC50 铝合金、铜件
Work materials: ≤HRC50 Aluminum alloy、Copper parts

型号	螺距	基本尺寸 Dimensions mm				齿数	螺纹底孔	材料/涂层
MODEL	mm	D1	L1	D	L	Z	mm	
M3*0.5*2.4*D4 4T	0.5	2.4	6.6	4	50	4	2.5	HRC50/七彩
M3.5*0.6*2.75*D4 4T	0.6	2.75	7.6	4	50	4	2.9	HRC50/七彩
M4*0.5*3.2*D4 4T	0.5	3.2	8.6	4	50	4	3.3	HRC50/七彩
M4*0.7*3.15*D4 4T	0.7	3.15	8.6	4	50	4	3.3	HRC50/七彩
M5*0.8*3.9*D4 4T	0.8	3.9	10.5	4	50	4	4.2	HRC50/七彩
M6*0.75*4.8*D6 4T	0.75	4.8	12.0	6	50	4	5.3	HRC50/七彩
M6*1*4.8*D6 4T	1.0	4.8	12.0	6	50	4	5.0	HRC50/七彩
M8*1*5.9*D8 4T	1.0	5.9	16.5	8	65	4	7.0	HRC50/七彩
M8*1*5.9*D8 6T	1.0	5.9	16.5	8	65	6	7.0	HRC50/七彩
M8*1.25*5.9*D6 4T	1.25	5.9	16.5	6	60	4	6.8	HRC50/七彩
M8*1.25*5.9*D8 4T	1.25	5.9	16.5	8	65	4	6.8	HRC50/七彩
M8*1.25*5.9*D8 6T	1.25	5.9	16.5	8	65	6	6.8	HRC50/七彩
M10*1*7.95*D8 4T	1.0	7.95	20.0	8	65	4	9.0	HRC50/七彩
M10*1.25*7.95*D8 4T	1.25	7.95	20.0	8	65	4	8.8	HRC50/七彩
M10*1.5*7.95*D8 4T	1.5	7.95	20.0	8	65	4	8.5	HRC50/七彩
M10*1.5*7.95*D10 4T	1.5	7.95	20.0	10	75	4	8.5	HRC50/七彩
M10*1.5*7.95*D10 6T	1.5	7.95	20.0	10	75	6	8.5	HRC50/七彩
M12*1.25*9.9*D10 4T	1.25	9.9	24.0	10	75	4	10.8	HRC50/七彩
M12*1.5*9.9*D10 4T	1.5	9.9	24.0	10	75	4	10.5	HRC50/七彩
M12*1.75*9.9*D10 4T	1.75	9.9	24.0	10	75	4	12.0	HRC50/七彩
M12*1.75*9.9*D10 6T	1.75	9.9	24.0	10	75	6	12.0	HRC50/七彩
M14*1.5*11.9*D12 4T	1.5	11.9	30.0	12	80	4	12.5	HRC50/七彩
M14*2*11.6*D12 4T	2.0	11.6	30.0	12	80	4	12.0	HRC50/七彩
M14*2*11.6*D12 6T	2.0	11.6	30.0	12	80	6	12.0	HRC50/七彩
M16*2*13.6*D14 4T	2.0	13.6	32.0	14	80	4	14.0	HRC50/七彩
M16*2*13.6*D14 6T	2.0	13.6	32.0	14	80	6	14.0	HRC50/七彩



整体合金螺纹铣刀的特点 Features of High Performance Solid Carbide Thread Mills

螺纹一次加工成型。
Thread is generated in one pass
刀具螺旋槽设计，切削过程平稳。
Spiral flutes allow smooth cutting action
3-6个切削刃设计，可大大缩短加工时间。
Shorter machining time due to multi 3 to 6 flutes
可加工M1.0以上的螺纹。
M1.0 and up cutting diameter
可加工通孔与盲孔螺纹。
One and the same tool for blind and through holes

同一把螺纹铣刀，可加工同一螺距，不同直径的螺纹孔。
Same tool can machine the same pitch and different diameters

独特的复合涂层，大大提高了刀具寿命。
Longer tool life due to special multi-layer coating
同一款刀具可加工多种不同的工件材料。
Same tool can be used for a various of materials
多刃与螺旋槽设计，可提高螺纹表面精度。
Excellent surface finish due to multi blades and thread flutes
适合于薄壁与深孔螺纹的加工。
Can be used for thin wall machining and deep-hole thread machining
同一款刀具可加工左螺纹和右螺纹。
Same tool used for L.H and R.H threads

微型整体合金螺纹铣刀的特点 Features of Miniature and Mini-type High Performance Solid Carbide Thread Mills

加工最小螺纹尺寸M1 × 0.25
Minimum size can be worked is M1 × 0.25
适用于各种螺距加工
Can be used for various pitches
可同时加工内螺纹与外螺纹
Can cut internal thread and external thread at the same time

切削阻力小，不易发生断裂现象
Low cutting resistance, the phenomenon of fracture is rarely happen

适用于深孔螺纹加工，尤其是迷你型铣刀
Used for deep hole thread, especially mini type milling cutter
3-5齿多刃结构，加工效率高
High efficiency due to 3-5 teeth
切削轻快，刀具寿命高
Easy cutting and long working life

关于螺纹铣削加工 About thread milling working

为实现螺纹的铣削加工，机床必须具备三轴联动的功能。而螺旋插补是CNC机床的基本功能，它是由机床的控制系统控制切削刀具实现螺旋轨迹。螺旋插补是由平面圆弧插补和垂直于该平面的线性运动联动形成。譬如：从A点到B点(图一)的螺旋轨迹是由X-Y平面的圆弧插补运动和Z轴的线性直线运动联动而形成。

对于大多数CNC机床而言，均可以通过以下两种不同的CNC指令实现该螺旋插补功能：

G02:顺圆弧插补指令

G03:逆圆弧插补指令

To finish thread milling, the machine tool must have the function of three simultaneous axes. Helical interpolation is the basic function of CNC machine tool, it controls cutter to finish helical trajectory according to control system. This helical motion combines circular movement in one plane (x, y coordinate) with a simultaneous linear motion in a plane perpendicularly. For example: The helical trajectory to the first (Z coordinate) from point A to B (PIC-) is created by circular interpolation motion on X-Y plane and linear, straight-line motion along Z axis.

For most CNC machine tool, they all can implement the helical interpolation function through below two different CNC instructions:

G02: Clockwise circular interpolation instruction

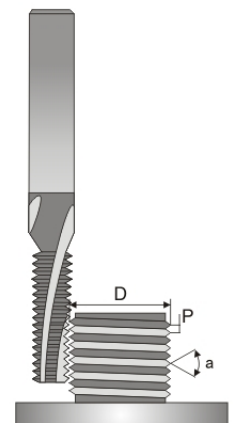
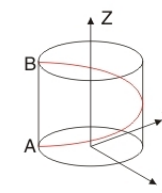
G03: Anticlockwise circular interpolation instruction

螺纹铣削运动:(如图二)是由螺纹铣刀的高速旋转运动和机床的螺旋插补运动组合形成。在一个圆周的插补运动过程中，利用刀具的几何形状，结合刀具沿螺纹中心轴线方向移动一个螺距的距离运动，加工出所需要的螺纹。螺纹铣削可以采取以下三种切入方式：

① 圆弧切入法

② 径向切入法

③ 周向切入法



Thread milling motion: (Pic二) It is formed by high-speed spiral motion of thread milling cutter and helical interpolation of machine tool. In the process of circle interpolation motion, it produces needed thread by using cutters geometrical shape, and the cutter move a pitch distance along the direction of thread central axis. Thread milling has below three cut methods:

- ① tangential arc approach
- ② radial approach
- ③ circle approach

螺纹铣削加工程序示例
Programming example for thread milling machining

内螺纹铣削加工编程示例
Programming example for interal

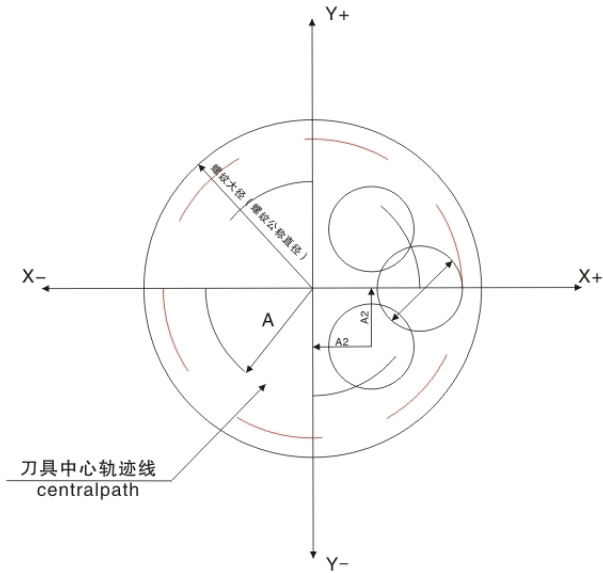
右螺纹加工:加工方向从下向上(顺铣)
RH:Climb milling

此程序适合于三轴联动的加工中心机床。
此编程方法不需要考虑刀具半径差异的影响，但要考虑刀具磨损而产生的偏差。
This programming can be applied to three-axes simultaneous movement machine tools.
It doesn,t need to worry about the influence of cutter radius difference but need to take
the deviation cmsed by tool wear into consideration

$$A = \frac{D_0 - D_2}{2}$$

A-刀具中心轨迹半径
Central path radius
D₀-螺纹公称尺寸
Thread major diameter
D₂-刀具切削直径
Cutting diameter

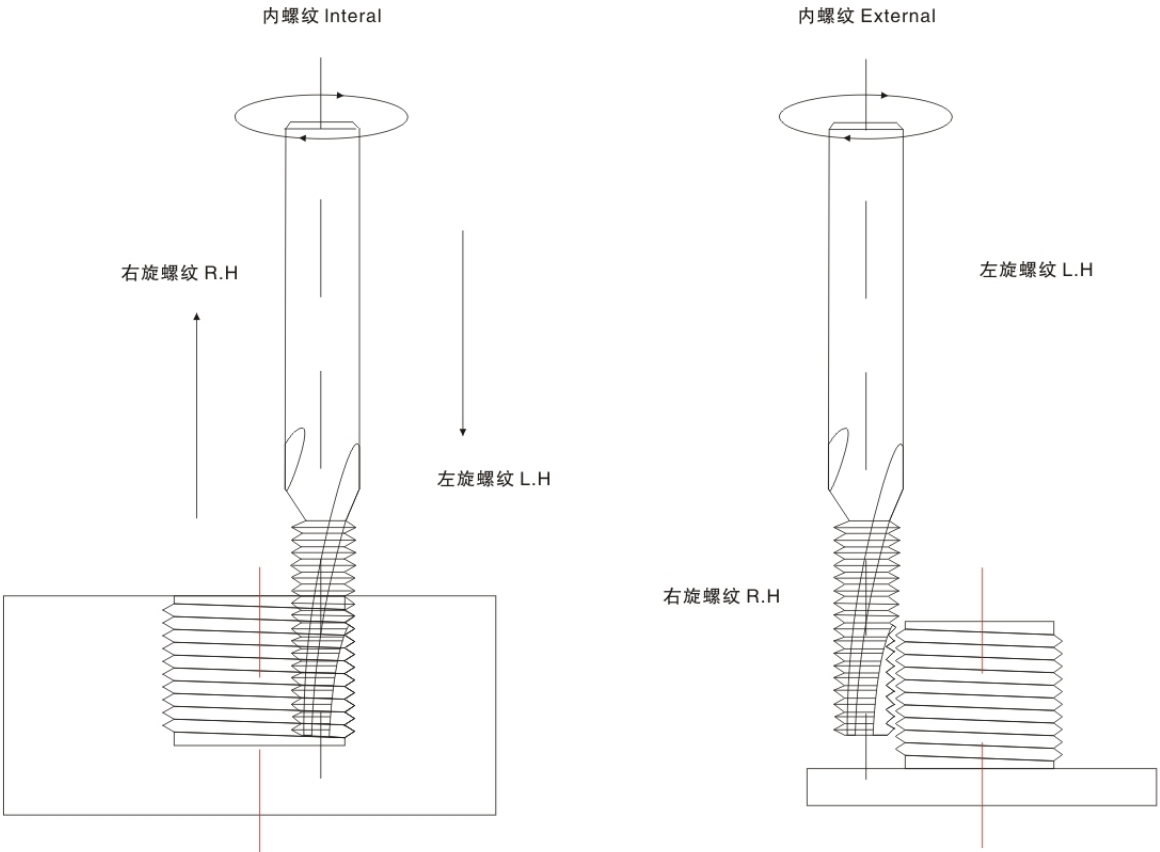
标准程序Standand program
G90 G00 G54 G43 H1X0 Y0 Z10 S--;
G00Z--(螺纹深度thread depth);
G01 G91 G41 D1 X(A/2) Y-(A/2) Z0 F--;
G03 X(A/2) Y(A/2) R(A/2) Z(1/8螺距pitch);
G03 X0 Y0I-(A) J0 Z(螺距pitch);
G03 X-(A/2) Y(A/2) R(A/2) Z(1/8螺距pitch);
G01 G40 X-(A/2) Y-(A/2) Z0;
G90 X0 Y0 Z0



内螺纹 Internal Thread

示例example:M16x2.0(螺纹孔深度18mm)(thread bore depth 18mm)
螺纹铣刀Thread milling: MTGB12118D27I2.0ISO(刀具切削直径11.8mm)(tool cut dia11.8mm)
计算得出result:A=(16-11.8)/2=2.1mm

G90 G00 G54 G43 H1X0Y0 Z10 S2500;
G00 Z-18;
G01 G91 G41D1X1.05 Y-1.05 ZO F760;
G03 X1.05 Y1.05 R1.05 ZO.25;
G03 X0Y0I-2.1 J0 Z2.0;
G03 X-1.05 Y1.05 R1.05 ZO.25;
G01 G40X-1.05 Y-1.05 Z0;
G90 X0 Y0 Z0



高性能整体合金螺纹铣刀切削参数表

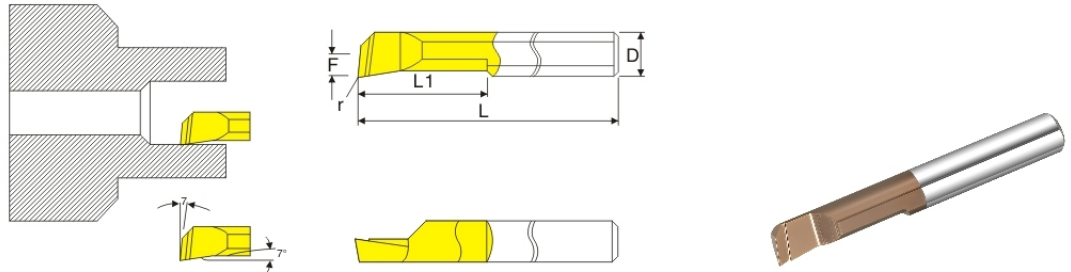
Milling Parameter List of High Performance Solid Carbide Thread Mills

ISO	工件材料 Waekpiece material	切削速度 m/min	进给量 Feed Rate (mm/齿)												
			Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8	Ø9	Ø10	Ø12	Ø14	Ø16
P	低碳合金钢<0.55%C	60-120	0.04	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
	高碳合金钢>0.55%C	60-90	0.03	0.04	0.05	0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.16	0.17	0.18
	合金钢.预处理钢	50-80	0.03	0.04	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.12	0.13	0.14
M	易切削不锈钢	70-100	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13
	奥氏不锈钢	60-90	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13
	铸钢	70-90	0.03	0.04	0.04	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14
NK	灰口铸铁.球墨铸铁	40-80	0.04	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
N	铝合金Si≤10%铜	180-160	0.04	0.05	0.07	0.09	0.11	0.13	0.14	0.15	0.16	0.16	0.17	0.18	0.18
	铝合金Si>10%	160-140	0.03	0.03	0.04	0.05	0.06	0.06	0.07	0.08	0.09	0.10	0.11	0.13	0.14
	塑料.黄铜.铜合金	50-150	0.07	0.08	0.10	0.12	0.13	0.15	0.17	0.17	0.17	0.17	0.17	0.18	0.18
S	高温合金和钛.铁镍合金.钴钛合金	15-35	0.03	0.03	0.04	0.04	0.05	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.08

注：深孔加工建议按推荐参数的40%进给
Note: for cutters with long cutting length reduce feed rate by 40%

MTR微型通用车削镗刀

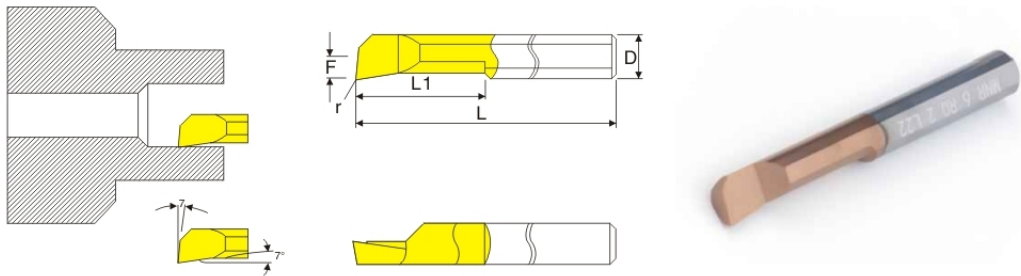
Turning



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm			
			F	R	L1	L
4.0	MTR2 R0.05 L5/L10/L15	2.1	0.9	0.05	5/10/15	50
	MTR2 R0.1 L5/L10/L15	2.1	0.9	0.1	5/10/15	50
	MTR2 R0.15 L5/L10/L15	2.1	0.9	0.15	5/10/15	50
	MTR2.5 R0.05 L10/L15	2.6	1.15	0.05	10/15	50
	MTR2.5 R0.1 L10/L15	2.6	1.15	0.1	10/15	50
	MTR3 R0.1 L10/L15	3.1	1.4	0.1	10/15	50
	MTR3 R0.15 L10/L15	3.1	1.4	0.15	10/15	50
	MTR3 R0.2 L10/L15	3.1	1.4	0.2	10/15	50
	MTR4 R0.05 L10/L15/L22	4.1	1.9	0.05	10/15/22	50
	MTR4 R0.1 L10/L15/L22	4.1	1.9	0.1	10/15/22	50
	MTR4 R0.15 L10/L15/L22	4.1	1.9	0.15	10/15/22	50
	MTR4 R0.2 L10/L15/L22	4.1	1.9	0.2	10/15/22	50
	MTR4 R0.2 L30	4.1	1.9	0.2	30	60
	MTR4 R0.2 L35/L40	4.1	1.9	0.2	35/40	75
	MTR4 R0.2 L45/L55	4.1	1.9	0.2	45/55	100
5.0	MTR5 R0.1 L15/L22	5.1	2.4	0.1	15/22	50
	MTR5 R0.1 L30	5.1	2.4	0.1	30	60
	MTR5 R0.1 5 L15/L22	5.1	2.4	0.15	15/22	50
	MTR5 R0.15 L30	5.1	2.4	0.15	30	60
	MTR5 R0.2 L15/L22	5.1	2.4	0.2	15/22	50
	MTR5 R0.2 L30	5.1	2.4	0.2	30	60
6.0	MTR6 R0.1 L15/L22	6.1	2.9	0.1	15/22	50
	MTR6 R0.1 L25/L30	6.1	2.9	0.1	25/30	60
	MTR6 R0.1 L35	6.1	2.9	0.1	35	75
	MTR6 R0.2 L15/L22	6.1	2.9	0.2	15/22	50
	MTR6 R0.2 L25/L30	6.1	2.9	0.2	25/30	60
	MTR6 R0.2 L35/L40	6.1	2.9	0.2	35/40	75
	MTR6 R0.2 L45/L55	6.1	2.9	0.2	45/55	100
7.0	MTR7 R0.1 L15/L25/L30	7.1	3.4	0.1	15/25/30	60
	MTR7 R0.2 L15/L25/L30	7.1	3.4	0.2	15/25/30	60
8.0	MTR8 R0.1 L15/L25/L30	8.1	3.9	0.1	15/25/30	60
	MTR8 R0.1 L35/45	8.1	3.9	0.1	35/45	75
	MTR8 R0.2 L15/L25/L30	8.1	3.9	0.2	15/25/30	60
	MTR8 R0.2 L35/40	8.1	3.9	0.2	35/40	75
	MTR8 R0.2 L45/55	8.1	3.9	0.2	45/55	100
10.0	MTR10 R0.2 L35	10.1	4.9	0.2	35	75
	MTR10 R0.2 L45/55	10.1	4.9	0.2	45/55	100

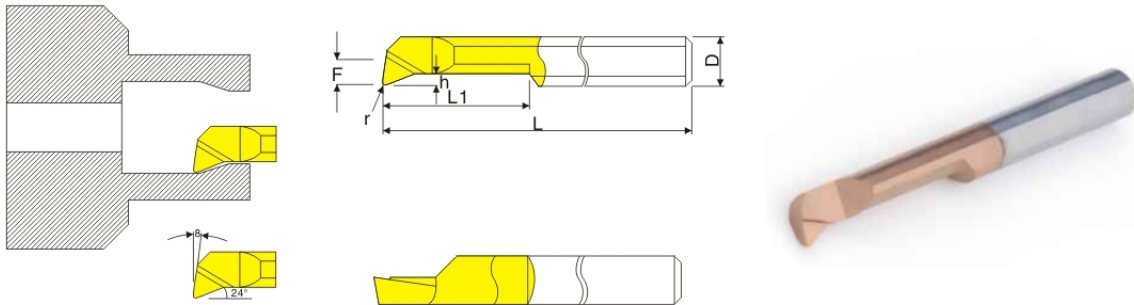
MNR微型通用车削镗刀

Turning



MPR微型通用车削槽刀

Profiling Turning

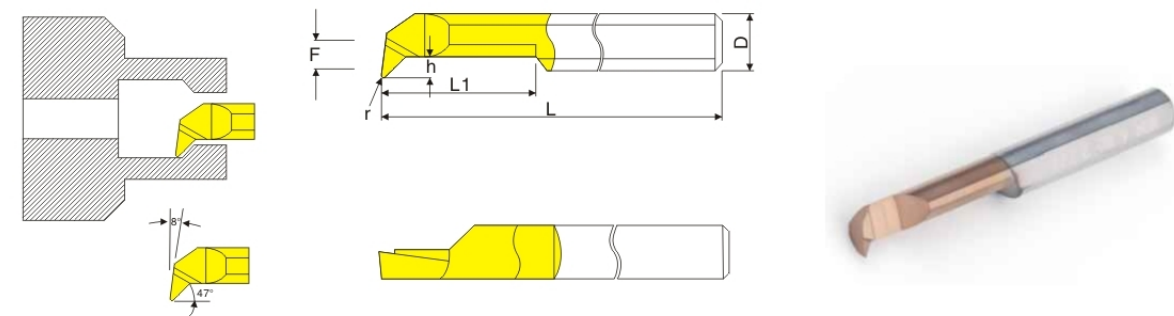


柄部直径 (shank D)	订货型号 designation	最小孔径 ∅(min)	基本尺寸 Dimensions mm			
			F	R	L1	L
4.0	MNR2 R0.05 L5/L10/L15	2.1	0.9	0.05	5/10/15	50
	MNR2 R0.1 L5/L10/L15	2.1	0.9	0.1	5/10/15	50
	MNR2 R0.15 L5/L10/L15	2.1	0.9	0.15	5/10/15	50
	MNR2.5 R0.05 L10/L15	2.6	1.15	0.05	10/15	50
	MNR2.5 R0.1 L10/L15	2.6	1.15	0.1	10/15	50
	MNR3 R0.1 L10/L15	3.1	1.4	0.1	10/15	50
	MNR3 R0.15 L10/L15	3.1	1.4	0.15	10/15	50
	MNR3 R0.2 L10/L15	3.1	1.4	0.2	10/15	50
	MNR4 R0.05 L10/L15/L22	4.1	1.9	0.05	10/15/22	50
	MNR4 R0.1 L10/L15/L22	4.1	1.9	0.1	10/15/22	50
	MNR4 R0.15 L10/L15/L22	4.1	1.9	0.15	10/15/22	50
	MNR4 R0.2 L10/L15/L22	4.1	1.9	0.2	10/15/22	50
	MNR4 R0.2 L30	4.1	1.9	0.2	30	60
	MNR4 R0.2 L35/L40	4.1	1.9	0.2	35/40	75
	MNR4 R0.2 L45/L55	4.1	1.9	0.2	45/55	100
5.0	MNR5 R0.1 L15/L22	5.1	2.4	0.1	15/22	50
	MNR5 R0.1 L30	5.1	2.4	0.1	30	60
	MNR5 R0.15 L15/L22	5.1	2.4	0.15	15/22	50
	MNR5 R0.15 L30	5.1	2.4	0.15	30	60
	MNR5 R0.2 L15/L22	5.1	2.4	0.2	15/22	50
	MNR5 R0.2 L30	5.1	2.4	0.2	30	60
6.0	MNR6 R0.1 L15/L22	6.1	2.9	0.1	15/22	50
	MNR6 R0.1 L25/L30	6.1	2.9	0.1	25/30	60
	MNR6 R0.1 L35	6.1	2.9	0.1	35	75
	MNR6 R0.2 L15/L22	6.1	2.9	0.2	15/22	50
	MNR6 R0.2 L25/L30	6.1	2.9	0.2	25/30	60
	MNR6 R0.2 L35	6.1	2.9	0.2	35	75
	MNR6 R0.2 L45/L55	6.1	2.9	0.2	45/55	100
7.0	MNR7 R0.1 L15/L25/L30	7.1	3.4	0.1	15/25/30	60
	MNR7 R0.2 L15/L25/L30	7.1	3.4	0.2	15/25/30	60
8.0	MNR8 R0.1 L15/L25/L30	8.1	3.9	0.1	15/25/30	60
	MNR8 R0.1 L35/45	8.1	3.9	0.1	35/45	75
	MNR8 R0.2 L15/L25/L30	8.1	3.9	0.2	15/25/30	60
	MNR8 R0.2 L35/40	8.1	3.9	0.2	35/40	75
	MNR8 R0.2 L45/55	8.1	3.9	0.2	45/55	100
10.0	MNR10 R0.2 L35	10.1	4.9	0.2	35	75
	MNR10 R0.2 L45/55	10.1	4.9	0.2	45/55	100

柄部直径 (shank D)	订货型号 designation	最小孔径 ∅(min)	基本尺寸 Dimensions mm				
			F	h	R	L1	L
4.0	MPR2 R0.1 L10/L15	2.1	0.9	0.5	0.1	10/15	50
	MPR2 R0.15 L10/L15	2.1	0.9	0.5	0.15	10/15	50
	MPR2 R0.2 L10/L15	2.1	0.9	0.5	0.2	10/15	50
	MPR3 R0.1 L10/L15	3.1	1.4	0.7	0.1	10/15	50
	MPR3 R0.15 L10/L15	3.1	1.4	0.7	0.15	10/15	50
	MPR3 R0.2 L10/L15	3.1	1.4	0.7	0.2	10/15	50
	MPR4 R0.05 L10/L15/L22	4.1	1.9	0.8	0.05	10/15/22	50
	MPR4 R0.1 L10/L15/L22	4.1	1.9	0.8	0.1	10/15/22	50
	MPR4 R0.15 L10/L15/L22	4.1	1.9	0.8	0.15	10/15/22	50
	MPR4 R0.2 L10/L15/L22	4.1	1.9	0.8	0.2	10/15/22	50
	MPR4 R0.2 L30	4.1	1.9	0.8	0.2	30	60
	MPR4 R0.2 L35/L40	4.1	1.9	0.8	0.2	35/40	75
	MPR4 R0.2 L45/L55	4.1	1.9	0.8	0.2	45/55	100
5.0	MPR5 R0.1 L15/L22	5.1	2.4	1.2	0.1	15/22	50
	MPR5 R0.1 L30	5.1	2.4	1.2	0.1	30	60
	MPR5 R0.15 L15/L22	5.1	2.4	1.2	0.15	15/22	50
	MPR5 R0.15 L30	5.1	2.4	1.2	0.15	30	60
	MPR5 R0.2 L15/L22	5.1	2.4	1.2	0.2	15/22	50
	MPR5 R0.2 L30	5.1	2.4	1.2	0.2	30	60
6.0	MPR6 R0.1 L15/L22	6.1	2.9	1.4	0.1	15/22	50
	MPR6 R0.1 L25/L30	6.1	2.9	1.4	0.1	25/30	60
	MPR6 R0.1 L35	6.1	2.9	1.4	0.1	35	75
	MPR6 R0.2 L15/L22	6.1	2.9	1.4	0.2	15/22	50
	MPR6 R0.2 L25/L30	6.1	2.9	1.4	0.2	25/30	60
	MPR6 R0.2 L35/L40	6.1	2.9	1.4	0.2	35/40	75
	MPR6 R0.2 L45/L55	6.1	2.9	1.4	0.2	45/55	100
7.0	MPR7 R0.1 L25/L30	7.1	3.4	1.5	0.1	25/30	60
	MPR7 R0.2 L25/L30	7.1	3.4	1.5	0.2	25/30	60
	MPR7 R0.2 L15/L25/L30	7.1	3.4	1.5	0.2	15/25/30	60
8.0	MPR8 R0.1 L15/L25/L30	8.1	3.9	1.6	0.1	15/25/30	60
	MPR8 R0.1 L35/45	8.1	3.9	1.6	0.1	35/45	75
	MPR8 R0.2 L15/L25/L30	8.1	3.9	1.6	0.2	15/25/30	60
	MPR8 R0.2 L35/L40	8.1	3.9	1.6	0.2	35/40	75
	MPR8 R0.2 L45/L55	8.1	3.9	1.6	0.2	45/55	100
10.0	MPR10 R0.2 L35/L40	10.1	4.9	2.0	0.2	35/40	75
	MPR10 R0.2 L45/55	10.1	4.9	2.0	0.2	45/55	100

MQR微型通用车削镗刀

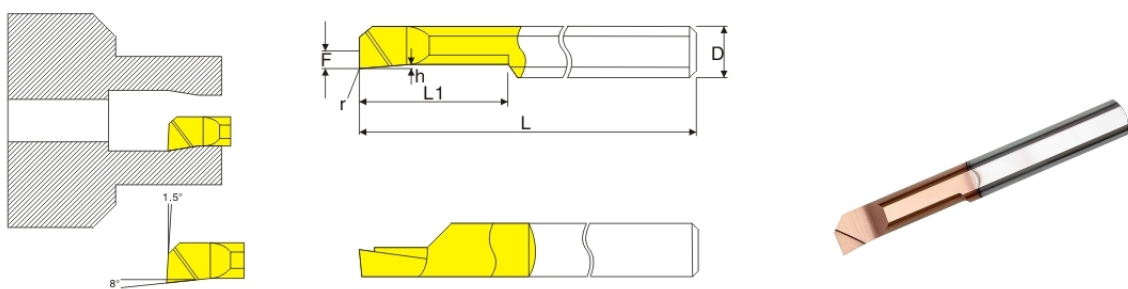
Profiling Turning



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm				
			F	h	R	L1	L
4.0	MQR3 R0.05 L10/L15	3.1	1.4	0.8	0.05	10/15	50
	MQR3 R0.1 L10/L15	3.1	1.4	0.8	0.1	10/15	50
	MQR3 R0.2 L10/L15	3.1	1.4	0.8	0.2	10/15	50
	MQR4 R0.05 L10/L15	4.1	1.9	1.0	0.05	10/15	50
	MQR4 R0.1 L10/L15	4.1	1.9	1.0	0.1	10/15	50
	MQR4 R0.15 L10/L15	4.1	1.9	1.0	0.15	10/15	50
	MQR4 R0.2 L15/L22	4.1	1.9	1.0	0.2	15/22	50
	MQR4 R0.2 L30	4.1	1.9	1.0	0.2	30	60
	MQR4 R0.2 L35/L40	4.1	1.9	1.0	0.2	35/40	75
	MQR4 R0.2 L45/L55	4.1	1.9	1.0	0.2	45/55	100
5.0	MQR5 R0.05 L15/L22	5.1	2.4	1.3	0.05	15/22	50
	MQR5 R0.1 L15/L22	5.1	2.4	1.3	0.1	15/22	50
	MQR5 R0.15 L15/L22	5.1	2.4	1.3	0.15	15/22	50
	MQR5 R0.2 L15/L22	5.1	2.4	1.3	0.2	15/22	50
	MQR5 R0.2 L30	5.1	2.4	1.3	0.2	30	60
	MQR5 R0.2 L35/L40	5.1	2.4	1.3	0.2	35/40	75
	MQR5 R0.2 L45/L55	5.1	2.4	1.3	0.2	45/55	100
6.0	MQR6 R0.1 L15/L22	6.1	2.9	1.6	0.1	15/22	50
	MQR6 R0.1 L30	6.1	2.9	1.6	0.1	30	60
	MQR6 R0.2 L15/L22	6.1	2.9	1.6	0.2	15/22	50
	MQR6 R0.2 L30	6.1	2.9	1.6	0.2	30	60
	MQR6 R0.2 L35/L40	6.1	2.9	1.6	0.2	35/40	75
	MQR6 R0.2 L45/L55	6.1	2.9	1.6	0.2	45/55	100
8.0	MQR8 R0.1 L22/L30	8.1	3.9	1.9	0.1	22/30	60
	MQR8 R0.1 L35/L40	8.1	3.9	1.9	0.1	35/40	75
	MQR8 R0.2 L22/L30	8.1	3.9	1.9	0.2	22/30	60
	MQR8 R0.2 L35/L40	8.1	3.9	1.9	0.2	35/40	75
	MQR8 R0.2 L45/L55	8.1	3.9	1.9	0.2	45/55	100
10.0	MQR10 R0.1 L35/L40	10.1	4.9	2.2	0.1	35/40	75
	MQR10 R0.1 L45/L55	10.1	4.9	2.2	0.1	45/55	100
	MQR10 R0.2 L35/L40	10.1	4.9	2.2	0.2	35/40	75
	MQR10 R0.2 L45/L55	10.1	4.9	2.2	0.2	45/55	100
12.0	MQR12 R0.2 L35/L40	12.1	5.9	2.5	0.2	35/40	75
	MQR12 R0.2 L45/L55	12.1	5.9	2.5	0.2	45/55	100

MUR微型平底仿形车削镗刀

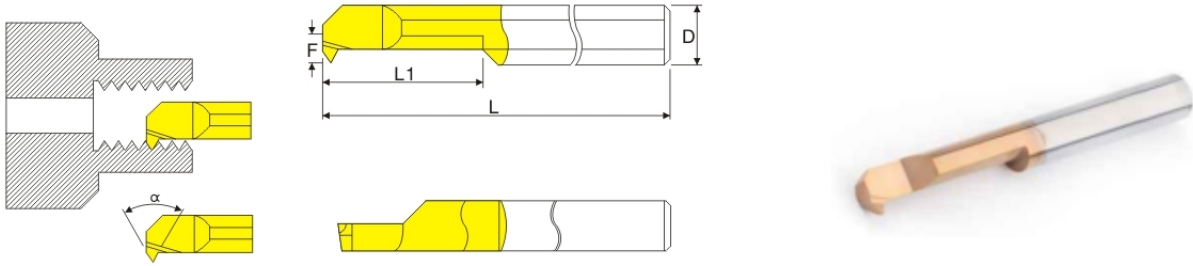
Profiling



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm				
			F	h	R	L1	L
4.0	MUR3 R0.05 L10/L15	3.1	1.4	0.5	0.05	10/15	50
	MUR3 R0.1 L10/L15	3.1	1.4	0.5	0.1	10/15	50
	MUR3 R0.2 L10/L15	3.1	1.4	0.5	0.2	10/15	50
	MUR4 R0.1 L15/L22	4.1	1.9	0.5	0.1	15/22	50
	MUR4 R0.15 L15/L22	4.1	1.9	0.5	0.15	15/22	50
	MUR4 R0.2 L15/L22	4.1	1.9	0.5	0.2	15/22	50
	MUR4 R0.2 L30	4.1	1.9	0.5	0.2	30	60
	MUR4 R0.2 L35/L40	4.1	1.9	0.5	0.2	35/40	75
	MUR4 R0.2 L45/L55	4.1	1.9	0.5	0.2	45/55	100
	MUR5 R0.1 L15/L22	5.1	2.4	0.6	0.1	15/22	50
5.0	MUR5 R0.15 L15/L22	5.1	2.4	0.6	0.15	15/22	50
	MUR5 R0.2 L15/L22	5.1	2.4	0.6	0.2	15/22	50
	MUR5 R0.2 L30	5.1	2.4	0.6	0.2	30	60
	MUR5 R0.2 L35/L40	5.1	2.4	0.6	0.2	35/40	75
	MUR5 R0.2 L45/L55	5.1	2.4	0.6	0.2	45/55	100
	MUR6 R0.1 L15/L22	6.1	2.9	0.7	0.1	15/22	50
6.0	MUR6 R0.1 L30	6.1	2.9	0.7	0.1	30	60
	MUR6 R0.2 L15/L22	6.1	2.9	0.7	0.2	15/22	50
	MUR6 R0.2 L30	6.1	2.9	0.7	0.2	30	60
	MUR6 R0.2 L35/L40	6.1	2.9	0.7	0.2	35/40	75
	MUR6 R0.2 L45/L55	6.1	2.9	0.7	0.2	45/55	100
	MUR7 R0.1 L22/L30	7.1	3.4	0.8	0.1	22/30	60
7.0	MUR7 R0.2 L22/L30	7.1	3.4	0.8	0.2	22/30	60
8.0	MUR8 R0.1 L22/L30	8.1	3.9	0.9	0.1	22/30	60
	MUR8 R0.1 L35/L40	8.1	3.9	0.9	0.1	35/40	75
	MUR8 R0.2 L22/L30	8.1	3.9	0.9	0.2	22/30	60
	MUR8 R0.2 L35/L40	8.1	3.9	0.9	0.2	35/40	75
	MUR8 R0.2 L45/L55	8.1	3.9	0.9	0.2	45/55	100
10.0	MUR10 R0.1 L35	10.1	4.9	1.1	0.1	35	75
	MUR10 R0.1 L45/L55	10.1	4.9	1.1	0.1	45/55	100
	MUR10 R0.2 L35	10.1	4.9	1.1	0.2	35	75
	MUR10 R0.2 L45/L55	10.1	4.9	1.1	0.2	45/55	100

MIR微型内孔泛牙螺纹镗刀

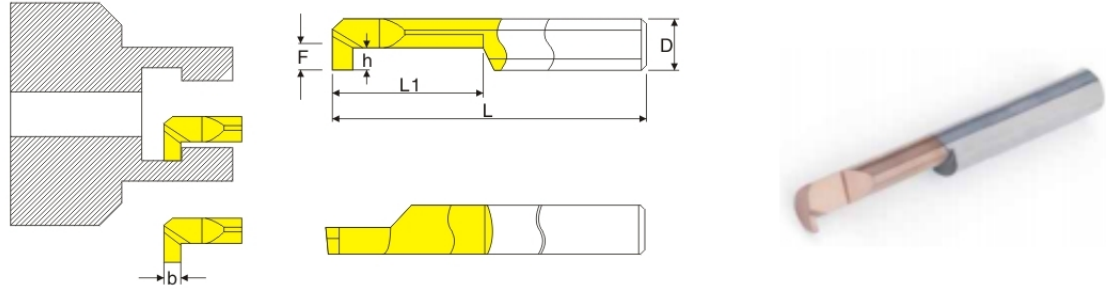
Grooving



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	螺距 pitch		基本尺寸 Dimensions mm			
			mm	牙数/英寸 TPI	F	α	L1	L
4.0	MIR3 A55 L10/L15	3.1	0.5-1.0	48-24	1.4	55°	10/15	50
	MIR4 A55 L10/L15/L22	4.1	0.5-1.0	48-24	1.9	55°	10/15/22	50
	MIR4 A55 L30	4.1	0.5-1.0	48-24	1.9	55°	30	60
	MIR4 A55 L35/L40	4.1	0.5-1.0	48-24	1.9	55°	35/40	75
	MIR4 A55 L45/L55	4.1	0.5-1.0	48-24	1.9	55°	45/55	100
5.0	MIR5 A55 L15/L22	5.1	0.5-1.25	48-20	2.4	55°	15/22	50
6.0	MIR6 A55 L15/L22	6.1	0.5-1.5	48-16	2.9	55°	15/22	50
	MIR6 A55 L30	6.1	0.5-1.5	48-16	2.9	55°	30	60
	MIR6 A55 L35/L40	6.1	0.5-1.5	48-16	2.9	55°	35/40	75
	MIR6 A55 L45/L55	6.1	0.5-1.5	48-16	2.9	55°	45/55	100
8.0	MIR8 A55 L22/L30	8.1	0.5-1.75	48-12	3.9	55°	22/30	60
	MIR8 A55 L35/L40	8.1	0.5-1.75	48-12	3.9	55°	35/40	75
	MIR8 A55 L45/L55	8.1	0.5-1.75	48-12	3.9	55°	45/55	100
4.0	MIR1.4 A60 L5	1.5	0.3-0.4	72-56	0.6	60°	5	50
	MIR1.9 A60 L8	2.0	0.3-0.5	56-32	0.9	60°	8	50
	MIR2.4 A60 L10	2.5	0.3-0.6	48-28	1.1	60°	10	50
	MIR3.0 A60 L10/L15	3.1	0.5-0.8	32-24	1.4	60°	10/15	50
	MIR4.0 A60 L10/L15/L22	4.1	0.7-1.0	32-24	1.9	60°	10/15/22	50
	MIR4.0 A60 L30	4.1	0.7-1.0	32-24	1.9	60°	30	60
	MIR4.0 A60 L35/L40	4.1	0.7-1.0	32-24	1.9	60°	35/40	75
	MIR4.0 A60 L45/L55	4.1	0.7-1.0	32-24	1.9	60°	45/55	100
5.0	MIR5.0 A60 L15/L22	5.1	1.0-1.25	24-20	2.4	60°	15/22	50
6.0	MIR6.0 A60 L15/L22	6.1	1.0-1.5	24-20	2.9	60°	15/22	50
	MIR6.0 A60 L30	6.1	1.0-1.5	24-20	2.9	60°	30	60
	MIR6.0 A60 L35/L40	6.1	1.0-1.5	24-20	2.9	60°	35/40	75
	MIR6.0 A60 L45/L55	6.1	1.0-1.5	24-20	2.9	60°	45/55	100
8.0	MIR8.0 A60 L22/L30	8.1	1.0-2.0	20-14	3.9	60°	22/30	60
	MIR8.0 A60 L35/L40	8.1	1.0-2.0	20-14	3.9	60°	35/40	75
	MIR8.0 A60 L45/L45	8.1	1.0-2.0	20-14	3.9	60°	45/55	100

MGR微型通用径向槽刀

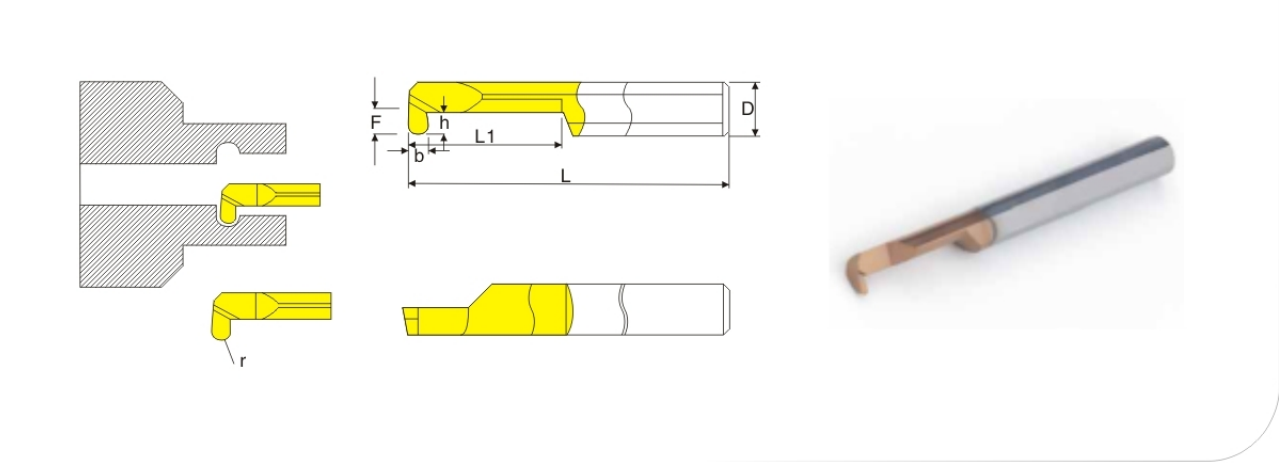
Grooving



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm				
			b	h	F	L1	L
4.0	MGR3 B0.5 L10/L15	3.1	0.5	1.0	1.3	10/15	50
	MGR3 B0.75 L10/L15	3.1	0.75	1.0	1.3	10/15	50
	MGR3 B1.0 L10/L15	3.1	1.0	1.2	1.3	10/15	50
	MGR3 B1.5 L10/L15	3.1	1.5	1.2	1.3	10/15	50
	MGR4 B0.5 L10/L15	4.1	0.5	1.0	1.8	10/15	50
	MGR4 B0.75 L10/L15	4.1	0.75	1.2	1.8	10/15	50
	MGR4 B1.0 L10/L15	4.1	1.0	1.2	1.8	10/15	50
	MGR4 B1.5 L10/L15	4.1	1.5	1.5	1.8	10/15	50
	MGR4 B2.0 L15/L22	4.1	2.0	1.5	1.8	15/22	50
	MGR4 B2.0 L30	4.1	2.0	1.5	1.8	30	60
	MGR4 B2.0 L35/L40	4.1	2.0	1.5	1.8	35/40	75
	MGR5 B1.0 L15/L22	5.1	1.0	1.5	2.3	15/22	50
5.0	MGR5 B1.0 L30	5.1	1.0	1.5	2.3	30	60
	MGR5 B1.5 L15/L22	5.1	1.5	1.5	2.3	15/22	50
	MGR5 B1.5 L30	5.1	1.5	1.5	2.3	30	60
	MGR5 B2.0 L15/L22	5.1	2.0	2.0	2.3	15/22	50
	MGR5 B2.0 L30	5.1	2.0	2.0	2.3	30	60
	MGR6 B1.0 L15/L22	6.1	1.0	1.5	2.8	15/22	50
6.0	MGR6 B1.0 L30	6.1	1.0	1.5	2.8	30	60
	MGR6 B1.5 L15/L22	6.1	1.5	1.8	2.8	15/22	50
	MGR6 B1.5 L30	6.1	1.5	1.8	2.8	30	60
	MGR6 B2.0 L15/L22	6.1	2.0	2.2	2.8	15/22	50
	MGR6 B2.0 L30	6.1	2.0	2.2	2.8	30	60
	MGR6 B2.0 L35/L40	6.1	2.0	2.2	2.8	35/40	75
7.0	MGR7 B1.0 L15/L22	7.1	1.0	1.5	3.3	15/22	60
	MGR7 B1.0 L30	7.1	1.0	1.5	3.3	30	60
	MGR7 B1.5 L15/L22	7.1	1.5	2.0	3.3	15/22	60
	MGR7 B1.5 L30	7.1	1.5	2.0	3.3	30	60
	MGR7 B2.0 L15/L22	7.1	2.0	2.5	3.3	15/22	60
	MGR7 B2.0 L30	7.1	2.0	2.5	3.3	30	60
8.0	MGR8 B1.0 L22/L30	8.1	1.0	1.5	3.8	22/30	60
	MGR8 B1.5 L22/L30	8.1	1.5	2.0	3.8	22/30	60
	MGR8 B2.0 L22/L30	8.1	2.0	2.5	3.8	22/30	60
	MGR8 B2.5 L22/L30	8.1	2.5	3.0	3.8	22/30	60
	MGR8 B3.0 L22/L30	8.1	3.0	3.0	3.8	22/30	60
	MGR8 B3.0 L35/L40	8.1	3.0	3.0	3.8	35/40	75
10.0	MGR10 B2.0 L30/L40	10.1	2.0	2.5	4.8	30/40	75
	MGR10 B3.0 L30/L40	10.1	3.0	3.0	4.8	30/40	75
	MGR10 B3.0 L45/L55	10.1	3.0	3.0	4.8	45/55	100

MKR微型内孔圆头径向槽刀

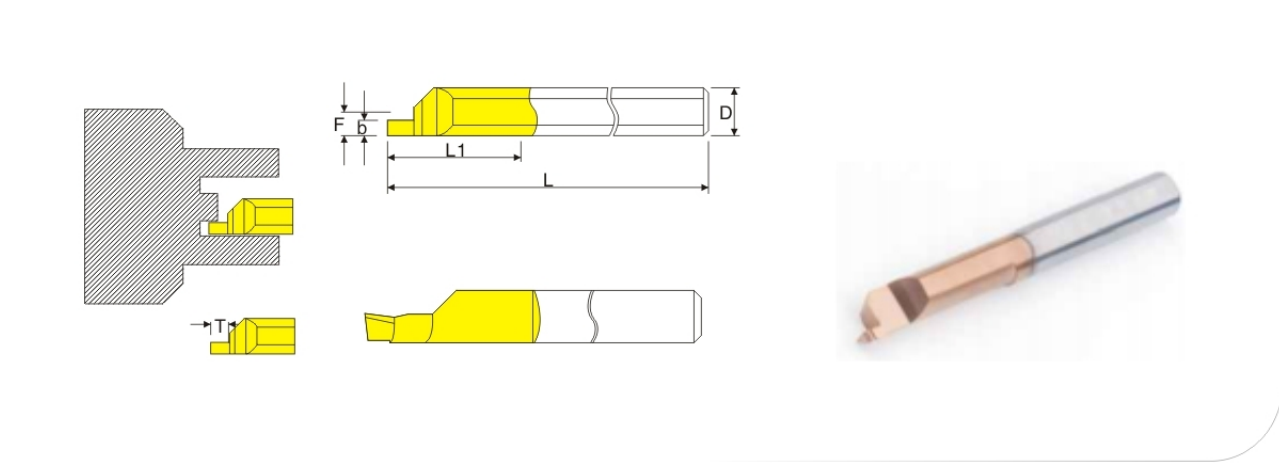
Grooving



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm					
			r	b	h	F	L1	L
4.0	MKR4 R0.3 L10/L15	4.1	0.3	0.6	1.0	1.8	10/15	50
	MKR4 R0.4 L10/L15	4.1	0.4	0.8	1.0	1.8	10/15	50
	MKR4 R0.5 L10/L15	4.1	0.5	1.0	1.2	1.8	10/15	50
	MKR4 R0.75 L10/L15	4.1	0.75	1.5	1.7	1.8	10/15	50
	MKR4 R0.75 L30	4.1	0.75	1.5	1.7	1.8	30	60
	MKR4 R0.75 L35/L40	4.1	0.75	1.5	1.7	1.8	35/40	75
5.0	MKR5 R0.5 L15/L22	5.1	0.5	1.0	1.2	2.3	15/22	50
	MKR5 R0.75 L15/L22	5.1	0.75	1.5	1.7	2.3	15/22	50
	MKR5 R1.0 L15/L22	5.1	1.0	2.0	2.2	2.3	15/22	50
6.0	MKR6 R0.5 L15/L22	6.1	0.5	1.0	1.5	2.8	15/22	50
	MKR6 R0.6 L15/L22	6.1	0.6	1.2	1.5	2.8	15/22	50
	MKR6 R0.75 L15/L22	6.1	0.75	1.5	1.7	2.8	15/22	50
	MKR6 R1.0 L15/L22	6.1	1.0	2.0	2.3	2.8	15/22	50
	MKR6 R1.0 L30	6.1	1.0	2.0	2.3	2.8	30	60
	MKR6 R1.0 L35/L40	6.1	1.0	2.0	2.3	2.8	35/40	75
8.0	MKR8 R0.5 L22/L30	8.1	0.5	1.0	1.5	3.8	22/30	60
	MKR8 R0.6 L22/L30	8.1	0.6	1.2	1.5	3.8	22/30	60
	MKR8 R0.75 L22/L30	8.1	0.75	1.5	2.0	3.8	22/30	60
	MKR8 R1.0 L22/L30	8.1	1.0	2.0	2.5	3.8	22/30	60
	MKR8 R1.0 L35/L40	8.1	1.0	2.0	2.5	3.8	35/40	75
	MKR8 R1.0 L45/L55	8.1	1.0	2.0	2.5	3.8	45/55	100

MFR/L微型通用轴向槽刀

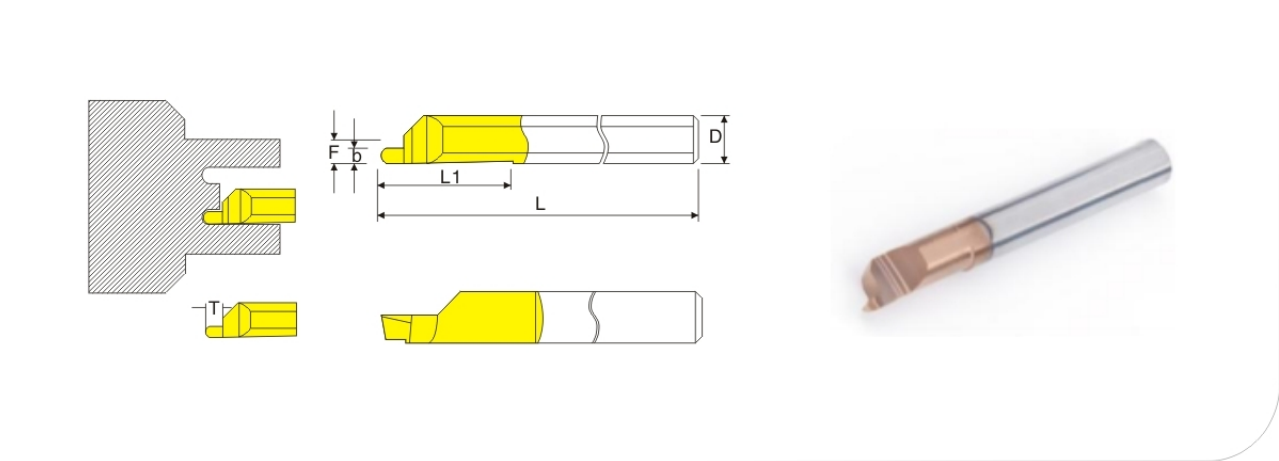
Face Grooving



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm				
			b	T	F	L1	L
4.0	MFR4 B0.5 L10/L15	5	0.5	1.2	1.95	10/15	50
	MFR4 B0.75 L10/L15	5	0.75	1.5	1.95	10/15	50
	MFR4 B1.0 L10/L15	5	1.0	2.0	1.95	10/15	50
	MFR4 B1.5 L10/L15	5	1.5	2.5	1.95	10/15	50
	MFR4 B2.0 L10/L15	5	2.0	3.0	1.95	10/15	50
	MFR4 B2.0 L30	5	2.0	3.0	1.95	30	60
5.0	MFR5 B0.5 L15/L22	6	0.5	1.2	2.45	15/22	50
	MFR5 B0.75 L15/L22	6	0.75	1.2	2.45	15/22	50
	MFR5 B1.0 L15/L22	6	1.0	1.8	2.45	15/22	50
	MFR5 B1.5 L15/L22	6	1.5	2.5	2.45	15/22	50
	MFR5 B2.0 L15/L22	6	2.0	3.5	2.45	15/22	50
	MFR6 B1.0 L15/L22	8	1.0	2.0	2.95	15/22	50
6.0	MFR6 B1.5 L15/L22	8	1.5	2.5	2.95	15/22	50
	MFR6 B2.0 L15/L22	8	2.0	3.5	2.95	15/22	50
	MFR6 B2.5 L15/L22	8	2.5	4.5	2.95	15/22	50
	MFR6 B3.0 L15/L22	8	3.0	5.5	2.95	15/22	50
	MFR6 B3.0 L30	8	3.0	5.5	2.95	30	60
	MFR6 B3.0 L35/L40	8	3.0	5.5	2.95	35/40	75
8.0	MFR8 B2.0 L22/L30	10	2.0	3.5	3.95	22/30	60
	MFR8 B2.5 L22/L30	10	2.5	4.5	3.95	22/30	60
	MFR8 B3.0 L22/L30	10	3.0	5.5	3.95	22/30	60
	MFR8 B3.0 L35/L40	10	3.0	5.5	3.95	35/40	75
	MFR8 B3.0 L45/L55	10	3.0	5.5	3.95	45/55	100
	MFL4 B0.5 L10/L15	5	0.5	1.2	1.95	10/15	50
4.0	MFL4 B1.0 L10/L15	5	1.0	2.0	1.95	10/15	50
	MFL4 B1.5 L10/L15	5	1.5	2.5	1.95	10/15	50
	MFL5 B0.5 L15/L22	6	0.5	1.2	2.45	15/22	50
	MFL5 B0.75 L15/L22	6	0.75	1.5	2.45	15/22	50
	MFL5 B1.0 L15/L22	6	1.0	2.0	2.45	15/22	50
	MFL5 B1.5 L15/L22	6	1.5	2.5	2.45	15/22	50
5.0	MFL5 B2.0 L15/L22	6	2.0	3.5	2.45	15/22	50
	MFL6 B1.0 L15/L22	8	1.0	2	2.95	15/22	50
	MFL6 B1.5 L15/L22	8	1.5	2.5	2.95	15/22	50
	MFL6 B2.0 L15/L22	8	2.0	3.5	2.95	15/22	50
	MFL6 B2.5 L15/L22	8	2.5	4.5	2.95	15/22	50
	MFL6 B3.0 L15/L22	8	3.0	5.5	2.95	15/22	50
6.0	MFL8 B2.0 L22/L30	10	2.0	3.5	3.95	22/30	60
	MFL8 B2.5 L22/L30	10	2.5	4.5	3.95	22/30	60
	MFL8 B3.0 L22/L30	10	3.0	5.5	3.95	22/30	60
	MFL8 B3.0 L22/L30	10	3.0	5.5	3.95	22/30	60
	MFL8 B3.0 L22/L30	10	3.0	5.5	3.95	22/30	60
	MFL8 B3.0 L22/L30	10	3.0	5.5	3.95	22/30	60

MZR微型内孔圆头径向槽刀

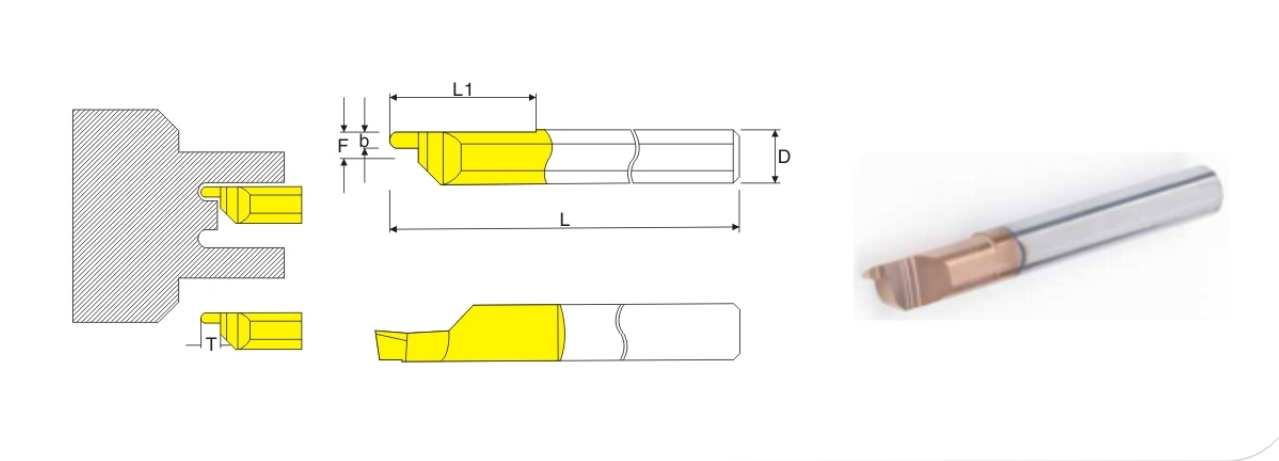
Face Grooving



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm					
			r	b	T	F	L1	L
4.0	MZR4 R0.3 L15	5.0	0.3	0.6	1.1	1.95	15	50
	MZR4 R0.4 L15	5.0	0.4	0.8	1.3	1.95	15	50
	MZR4 R0.5 L15	5.0	0.5	1.0	1.5	1.95	15	50
	MZR4 R0.75 L15	5.0	0.75	1.5	2.2	1.95	15	50
	MZR4 R1.0 L15/L22	5.0	1.0	2.0	3.0	1.95	15/22	50
	MZR4 R1.0 L30	5.0	1.0	2.0	3.0	1.95	30	60
	MZR4 R1.0 L35/L40	5.0	1.0	2.0	3.0	1.95	35/40	75
5.0	MZR5 R0.3 L22	6.0	0.3	0.6	1.1	2.45	22	50
	MZR5 R0.4 L22	6.0	0.4	0.8	1.3	2.45	22	50
	MZR5 R0.5 L22	6.0	0.5	1.0	1.5	2.45	22	50
	MZR5 R0.75 L22	6.0	0.75	1.5	2.2	2.45	22	50
	MZR5 R1.0 L22	6.0	1.0	2.0	3.0	2.45	22	50
	MZR5 R1.25 L22	6.0	1.25	2.5	3.5	2.45	22	50
	MZR5 R1.5 L22	6.0	1.5	3.0	3.5	2.45	22	50
6.0	MZR6 R0.3 L22	8.0	0.3	0.6	1.1	2.95	22	50
	MZR6 R0.4 L22	8.0	0.4	0.8	1.3	2.95	22	50
	MZR6 R0.5 L22	8.0	0.5	1.0	1.5	2.95	22	50
	MZR6 R0.75 L22	8.0	0.75	1.5	2.2	2.95	22	50
	MZR6 R1.0 L22	8.0	1.0	2.0	3.0	2.95	22	50
	MZR6 R1.25 L22	8.0	1.25	2.5	3.5	2.95	22	50
	MZR6 R1.5 L22	8.0	1.5	3.0	3.5	2.95	22	50
	MZR6 R1.5 L30	8.0	1.5	3.0	3.5	2.95	30	60
	MZR6 R1.5 L35/L40	8.0	1.5	3.0	3.5	2.95	35/40	75
8.0	MZR8 R1.5 L45/L55	8.0	1.5	3.0	3.5	2.95	45/55	100
	MZR8 R0.5 L30	10.0	0.5	1.0	1.5	3.95	30	60
	MZR8 R0.75 L30	10.0	0.75	1.5	2.2	3.95	30	60
	MZR8 R1.0 L30	10.0	1.0	2.0	3.0	3.95	30	60
	MZR8 R1.25 L30	10.0	1.25	2.5	3.5	3.95	30	60
	MZR8 R1.5 L30	10.0	1.5	3.0	3.5	3.95	30	60
	MZR8 R2.0 L30	10.0	2.0	4.0	4.5	3.95	30	60
	MZR8 R2.0 L35/L40	10.0	2.0	4.0	4.5	3.95	35/40	75
	MZR8 R2.0 L45/L55	10.0	2.0	4.0	4.5	3.95	45/55	100

MZL微型通用轴向圆头槽刀

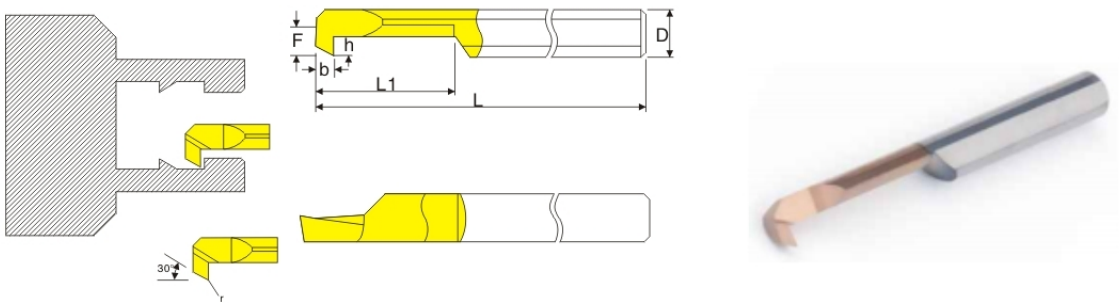
Face Grooving



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm					
			r	b	T	F	L1	L
4.0	MZL4 R0.3 L15	5.0	0.3	0.6	0.8	1.95	15	50
	MZL4 R0.4 L15	5.0	0.4	0.8	1.0	1.95	15	50
	MZL4 R0.5 L15	5.0	0.5	1.0	1.2	1.95	15	50
	MZL4 R0.75 L15	5.0	0.75	1.5	1.7	1.95	15	50
	MZL4 R1.0 L15	5.0	1.0	2.0	2.2	1.95	15	50
	MZL4 R1.0 L15	5.0	1.0	2.0	2.2	1.95	15	50
5.0	MZL5 R0.3 L22	6.0	0.3	0.6	0.8	2.45	22	50
	MZL5 R0.4 L22	6.0	0.4	0.8	1.0	2.45	22	50
	MZL5 R0.5 L22	6.0	0.5	1.0	1.2	2.45	22	50
	MZL5 R0.75 L22	6.0	0.75	1.5	1.7	2.45	22	50
	MZL5 R1.0 L22	6.0	1.0	2.0	2.2	2.45	22	50
	MZL5 R1.25 L22	6.0	1.25	2.5	2.7	2.45	22	50
	MZL5 R1.5 L22	6.0	1.5	3.0	3.2	2.45	22	50
	MZL5 R1.5 L22	6.0	1.5	3.0	3.2	2.45	22	50
6.0	MZL6 R0.3 L22	8.0	0.3	0.6	0.8	2.95	22	50
	MZL6 R0.4 L22	8.0	0.4	0.8	1.0	2.95	22	50
	MZL6 R0.5 L22	8.0	0.5	1.0	1.2	2.95	22	50
	MZL6 R0.75 L22	8.0	0.75	1.5	1.7	2.95	22	50
	MZL6 R1.0 L22	8.0	1.0	2.0	2.2	2.95	22	50
	MZL6 R1.25 L22	8.0	1.25	2.5	2.7	2.95	22	50
	MZL6 R1.5 L22	8.0	1.5	3.0	3.2	2.95	22	50
	MZL6 R1.5 L22	8.0	1.5	3.0	3.2	2.95	22	50
8.0	MZL8 R0.5 L30	10.0	0.5	1.0	1.2	3.95	30	60
	MZL8 R0.75 L30	10.0	0.75	1.5	1.7	3.95	30	60
	MZL8 R1.0 L30	10.0	1.0	2.0	2.2	3.95	30	60
	MZL8 R1.25 L30	10.0	1.25	2.5	2.7	3.95	30	60
	MZL8 R1.5 L30	10.0	1.5	3.0	3.2	3.95	30	60
	MZL8 R1.5 L30	10.0	1.5	3.0	3.2	3.95	30	60
	MZL8 R2.0 L30	10.0	2.0	4.0	4.2	3.95	30	60
	MZL8 R2.0 L30	10.0	2.0	4.0	4.2	3.95	30	60

MXR微型内孔圆头径向槽刀

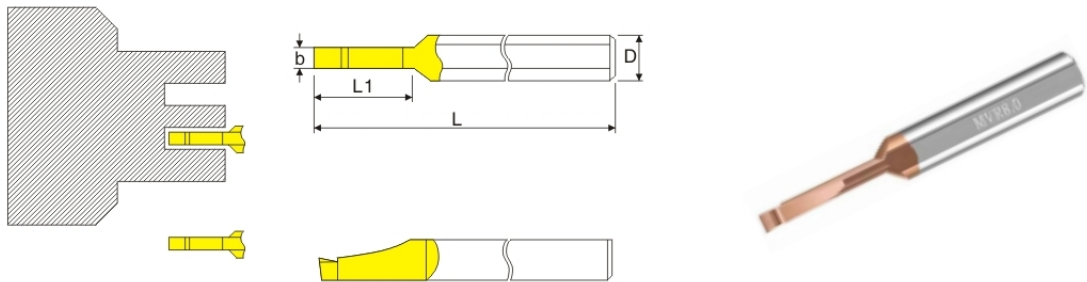
Face Grooving



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm				
			F	h	R	L1	L
4.0	MXR4 B1.0 R0.1 L10/L15	4.1	1.8	1.2	0.1	10/15	50
	MXR4 B1.0 R0.2 L10/L15	4.1	1.8	1.2	0.2	10/15	50
	MXR4 B1.5 R0.1 L10/L15	4.1	1.8	1.2	0.1	10/15	50
	MXR4 B1.5 R0.2 L10/L15	4.1	1.8	1.2	0.2	10/15	50
5.0	MXR5 B1.0 R0.1 L15/L22	5.1	2.3	1.5	0.1	15/22	50
	MXR5 B1.0 R0.2 L15/L22	5.1	2.3	1.5	0.2	15/22	50
	MXR5 B1.5 R0.1 L15/L22	5.1	2.3	1.5	0.1	15/22	50
	MXR5 B1.5 R0.2 L15/L22	5.1	2.3	1.5	0.2	15/22	50
6.0	MXR6 B1.0 R0.1 L15/L22	6.1	2.8	2.0	0.1	15/22	50
	MXR6 B1.0 R0.2 L15/L22	6.1	2.8	2.0	0.2	15/22	50
	MXR6 B1.5 R0.1 L15/L22	6.1	2.8	2.0	0.1	15/22	50
	MXR6 B1.5 R0.2 L15/L22	6.1	2.8	2.0	0.2	15/22	50
	MXR6 B2.0 R0.1 L15/L22	6.1	2.8	2.0	0.1	15/22	50
	MXR6 B2.0 R0.2 L15/L22	6.1	2.8	2.0	0.2	15/22	50

MVR微型端面深槽镗刀

Face Grooving



柄部直径 (shank D)	订货型号 designation	最小孔径 Ø(min)	基本尺寸 Dimensions mm		
			b	L1	L
4.0	MVR4 B1.5 L10	6.1	1.5	10	50
	MVR4 B1.5 L15	6.1	1.5	15	50
	MVR4 B2.0 L10	6.1	2.0	10	50
	MVR4 B2.0 L15	6.1	2.0	15	50
	MVR4 B2.0 L22	6.1	2.0	22	50
	MVR4 B2.5 L15/L22	6.1	2.5	15/22	50
	MVR4 B3.0 L15/L22	6.1	3.0	15/22	50
5.0	MVR6 B1.5 L10/L15	8.1	1.5	10/15	50
	MVR6 B2.0 L10/L15	8.1	2.0	10/15	50
	MVR6 B2.0 L22	8.1	2.0	22	50
	MVR6 B2.0 L30	8.1	2.0	30	60
	MVR6 B2.5 L15/L22	8.1	2.5	15/22	50
	MVR6 B2.5 L30	8.1	2.5	30	60
	MVR6 B3.0 L30	8.1	3.0	30	60
6.0	MVR8 B2.0 L15/L22	10.1	2.0	15/22	60
	MVR8 B3.0 L15/L22	10.1	3.0	15/22	60
	MVR8 B4.0 L15/L22	10.1	4.0	15/22	60
	MVR8 B4.0 L30	10.1	4.0	30	75



推荐参数表(Cutting Speed)

材科类型 IOS Standard	材料分组 Material	材料特性 Condition	推荐参数表 Cutting Speed			悬伸量
			线速度Vc	切削深度Ap	切削速度F	
P钢材料	P01-P10	↑ 硬 ↓ 软	30-60	0.02-0.1	0.01-0.05	3-5
	P10-P20		35-70	0.02-0.4	0.01-0.05	
	P20-P30		40-80	0.05-0.5	0.02-0.08	
	P30-P40		45-90	0.05-0.5	0.05-0.1	
M不锈钢材料	M01-M10	↑ 硬 ↓ 软	20-35	0.02-0.1	0.01-0.05	3-5
	M10-P20		25-45	0.02-0.2	0.01-0.05	
	M20-M30		35-60	0.05-0.4	0.02-0.08	
	M30-M40		40-80	0.05-0.5	0.05-0.1	
K铸铁材料	K01-K10	↑ 硬 ↓ 软	30-40	0.05-0.2	0.02-0.05	3-5
	K10-K20		40-60	0.1-0.4	0.02-0.08	
	K20-K30		50-70	0.1-0.8	0.05-0.1	
N有色金属	N01-N10	↑ 硬 ↓ 软	30-45	0.05-0.2	0.02-0.05	3-5
	N10-N20		40-90	0.05-0.5	0.02-0.08	
	N20-N30		60-120	0.05-0.8	0.05-0.12	

