

哈德斯通是为解决目前国内千千万万中小微型企业
用刀难，选刀难量身打造的数控刀具品牌，是最具影响
力，竞争力，性价比超高的知名国产品牌。



株洲华锐精密工具股份有限公司

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哈德斯通
HADSTO

整体硬质合金立铣刀
Solid carbide end mill

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



整体硬质合金立铣刀
Solid carbide end mill

公司简介

株洲华锐精密工具股份有限公司是一家专业从事硬质合金数控刀片生产的国家级高新技术企业，株洲市硬质合金精密刀具工程技术研究中心依托单位，湖南省“制造强省”重点项目。

经过市场的洗礼，我司生产的数控刀片在精密模具、汽车、航空航天、轨道、重型装备、能源行业、电子通讯等工业领域，已经深得客户认可和信赖，并远销欧洲、美洲、亚洲等国际市场。

公司良好的发展前景赢得了各类投资人的青睐，2011年、2015年和2017年，国内知名股权投资基金等机构分别投资入股，加快了高端技术人才的引进以及全线高端制造装备和研发设备的投入。

公司拥有雄厚的技术力量，打造了一支国内优质的专业化、高水平、老中青结合的研发团队，不但拥有享受国务院特殊津贴的专家、来自外资企业的专家、还引进了国外优秀的专业人才。公司成立了研发中心，包括材质研究、产品设计、模具设计与制造、切削实验、应用技术服务等机构，确保为客户提供最佳的产品解决方案和技术服务。目前公司拥有数十项国家授权专利。

公司拥有自主知识产权的全流程质量控制体系，确保产品的稳定性和一致性；公司于2009年1月获得了ISO9001：2000质量管理体系认证，并获复审通过ISO9001：2015标准体系认证。

同时，公司的营销服务网络日臻完善，公司品牌授权经销商，遍布全国的工业发达地区，专营4S店、专业服务人员，为各行业客户提供专业、快捷的服务。

Zhuzhou Huarui Precision Cutting Co.,Ltd. is a high and new tech enterprise engaged in the production of cemented carbide cutting tools for CNC machinery,the municipal supporting institution of zhuzhou carbide precision cutting tool engineering technology research center. Also the production line has been named key project of "Manufacture makes hunan stronger".

In the market,the products with excellent properties have been widely used in industries of automobiles,aviation & aerospace,rail traffic,heavy equipment,mould manufacture,power equipment,etc.and have been accepted by customers.Therefore they are selling to various overseas markets.

With its good development prospects,the company has won great favor from various investors.The well-know domestic equity investment funds invested a large sum of money for company in 2011,2015 and 2017,which has speed-ed up the introduction of high-tech manufacturing equipments and quality test instruments.

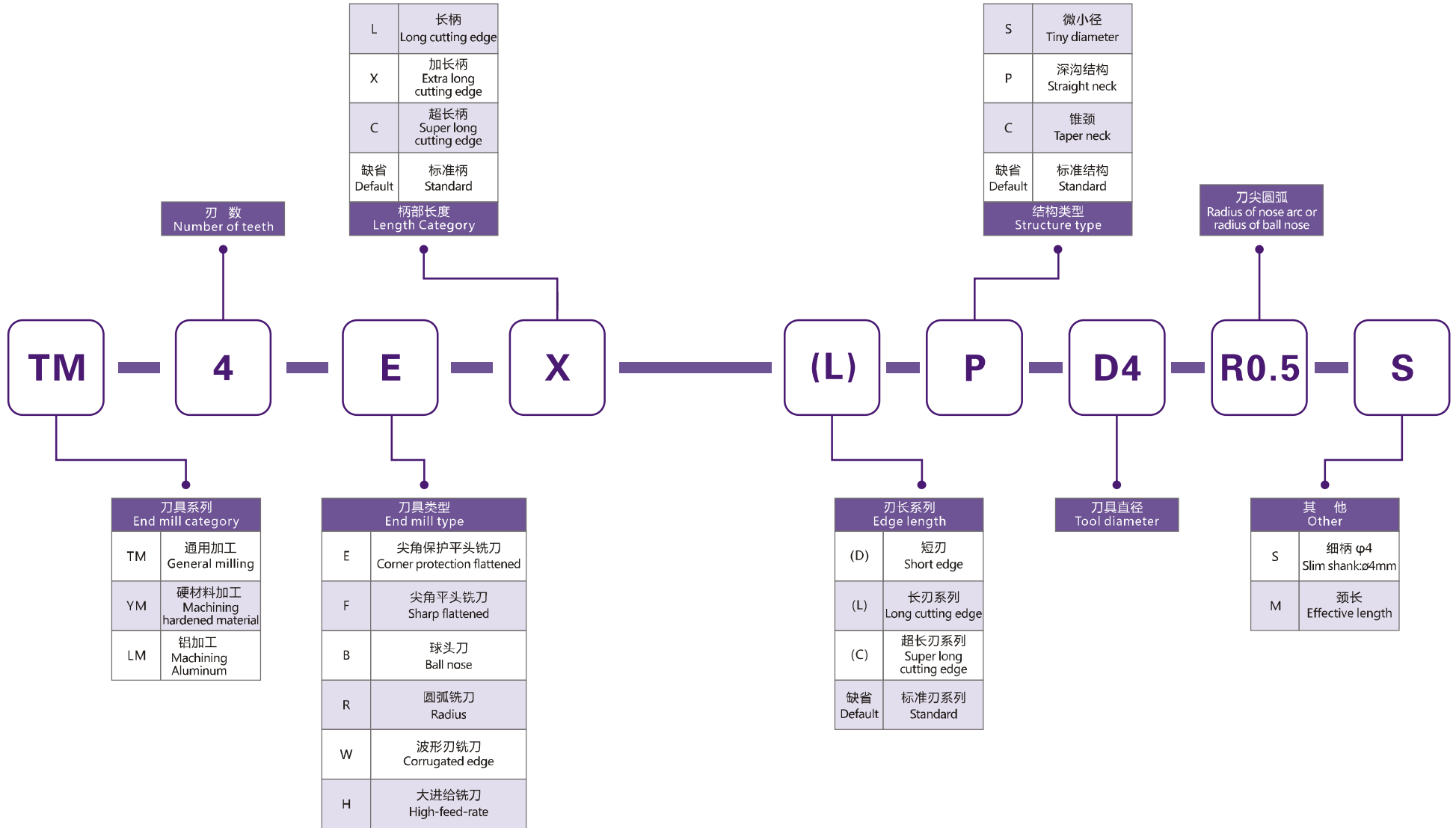
The company has in its possession a strong technical strength & has forged a top domestic specialized and high-level R&D team of old,middle-aged and young professional personnel.They included experts enjoying special allowance of the state council and introduced outstanding CNC talents.The company has its own R&D center consisting of material research,products design,mould design and manufacture,cutting experiments and technical application service,etc.ensuring the provision to customers of the best solutions to products and technical service.At present,the company has 22 nationally authorized patents.

The company has experienced sales engineers and technical application engineers,and has sent up its product and technical service branched in China's major industrial cities to provide the most professional and efficient service.

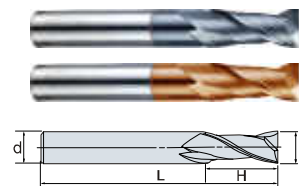


公司荣誉





标准柄2刃平头铣刀
2 flutes square end mill



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2E-D1S	1.0	3	50	4	2		
TM-2E-D1.5S	1.5	4	50	4	2		
TM-2E-D2S	2.0	6	50	4	2		
TM-2E-D2.5S	2.5	7	50	4	2		
TM-2E-D3S	3.0	8	50	4	2		
TM-2E-D3.5S	3.5	10	50	4	2		
TM-2E-D4S	4.0	11	50	4	2		
TM-2E-D1	1.0	3	50	6	2		
TM-2E-D1.5	1.5	4	50	6	2		
TM-2E-D2	2.0	6	50	6	2		
TM-2E-D2.5	2.5	7	50	6	2		
TM-2E-D3	3.0	8	50	6	2		
TM-2E-D3.5	3.5	10	50	6	2		
TM-2E-D4	4.0	11	50	6	2		
TM-2E-D4.5	4.5	13	50	6	2		
TM-2E-D5	5.0	13	50	6	2		
TM-2E-D5.5	5.5	13	50	6	2		
TM-2E-D6	6.0	15	50	6	2		
TM-2E-D6.5	6.5	17	60	8	2		
TM-2E-D7	7.0	17	60	8	2		
TM-2E-D7.5	7.5	17	60	8	2		
TM-2E-D8	8.0	20	60	8	2		
TM-2E-D8.5	8.5	23	75	10	2		
TM-2E-D9	9.0	23	75	10	2		
TM-2E-D9.5	9.5	25	75	10	2		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2E-D10	10.0	25	75	10	2		
TM-2E-D10.5	10.5	25	75	12	2		
TM-2E-D11	11.0	28	75	12	2		
TM-2E-D11.5	11.5	28	75	12	2		
TM-2E-D12	12.0	30	75	12	2		
TM-2E-D13	13.0	40	100	14	2		
TM-2E-D14	14.0	40	100	14	2		
TM-2E-D15	15.0	40	100	16	2		
TM-2E-D16	16.0	40	100	16	2		
TM-2E-D17	17.0	40	100	18	2		
TM-2E-D18	18.0	40	100	18	2		
TM-2E-D19	19.0	40	100	20	2		
TM-2E-D20	20.0	40	100	20	2		
TM-2E-D22	22.0	40	100	25	2		
TM-2E-D25	25.0	40	100	25	2		

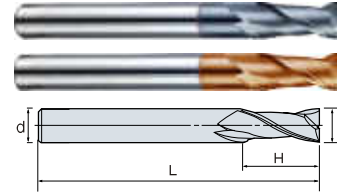
被削材质
Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

长柄标准刃2刃平头铣刀
2 flutes square end mill with long shank

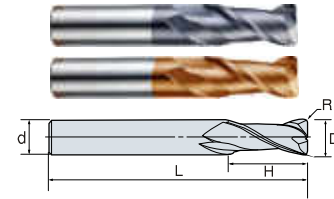


MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2EL-D1S	1.0	3	75	4	2		
TM-2EL-D1.5S	1.5	4.5	75	4	2		
TM-2EL-D2S	2.0	6	75	4	2		
TM-2EL-D2.5S	2.5	7	75	4	2		
TM-2EL-D3S	3.0	8	75	4	2		
TM-2EL-D3.5S	3.5	10	75	4	2		
TM-2EL-D4S	4.0	11	75	4	2		
TM-2EL-D4.5	4.5	13	75	6	2		
TM-2EL-D5	5.0	13	75	6	2		
TM-2EL-D5.5	5.5	13	75	6	2		
TM-2EL-D6	6.0	15	75	6	2		
TM-2EL-D6.5	6.5	17	75	8	2		
TM-2EL-D7	7.0	17	75	8	2		
TM-2EL-D7.5	7.5	17	75	8	2		
TM-2EL-D8	8.0	20	75	8	2		
TM-2EX-D3	3.0	8	100	6	2		
TM-2EX-D4	4.0	11	100	6	2		
TM-2EX-D5	5.0	13	100	6	2		
TM-2EX-D6	6.0	15	100	6	2		
TM-2EX-D7	7.0	17	100	8	2		
TM-2EX-D8	8.0	20	100	8	2		
TM-2EL-D9	9.0	23	100	10	2		
TM-2EL-D10	10.0	25	100	10	2		
TM-2EL-D11	11.0	28	100	12	2		
TM-2EL-D12	12.0	30	100	12	2		

标准柄2刃圆弧铣刀 2 flutes corner radius end mill

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2EC-D8	8.0	20	150	8	2		
TM-2EX-D10	10.0	25	150	10	2		
TM-2EX-D12	12.0	30	150	12	2		
TM-2EL-D16	16.0	30	150	16	2		
TM-2EL-D18	18.0	40	150	18	2		
TM-2EL-D20	20.0	40	150	20	2		
TM-2EX-D16	16.0	40	200	16	2		
TM-2EX-D20	20.0	40	200	20	2		



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

被削材质 Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2R-D1-R0.2	1.0	0.2	3	50	4	2		
TM-2R-D1.5-R0.2	1.5	0.2	4	50	4	2		
TM-2R-D1.5-R0.5	1.5	0.5	4	50	4	2		
TM-2R-D2-R0.2	2.0	0.2	6	50	4	2		
TM-2R-D2-R0.5	2.0	0.5	6	50	4	2		
TM-2R-D2.5-R0.2	2.5	0.2	8	50	4	2		
TM-2R-D2.5-R0.5	2.5	0.5	8	50	4	2		
TM-2R-D3-R0.2	3.0	0.2	8	50	4	2		
TM-2R-D3-R0.5	3.0	0.5	8	50	4	2		
TM-2R-D3-R1	3.0	1.0	8	50	4	2		
TM-2R-D4-R0.2	4.0	0.2	11	50	4	2		
TM-2R-D4-R0.5	4.0	0.5	11	50	4	2		
TM-2R-D4-R1	4.0	1.0	11	50	4	2		
TM-2R-D5-R0.5	5.0	0.5	13	50	6	2		
TM-2R-D5-R1	5.0	1.0	13	50	6	2		
TM-2R-D6-R0.2	6.0	0.2	15	50	6	2		
TM-2R-D6-R0.5	6.0	0.5	15	50	6	2		
TM-2R-D6-R1	6.0	1.0	15	50	6	2		
TM-2R-D6-R1.5	6.0	1.5	15	50	6	2		
TM-2R-D6-R2	6.0	2.0	15	50	6	2		
TM-2R-D8-R0.5	8.0	0.5	20	60	8	2		
TM-2R-D8-R1	8.0	1.0	20	60	8	2		
TM-2R-D8-R1.5	8.0	1.5	20	60	8	2		
TM-2R-D8-R2	8.0	2.0	20	60	8	2		
TM-2R-D10-R0.5	10.0	0.5	25	75	10	2		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2R-D10-R1	10.0	1.0	25	75	10	2		
TM-2R-D10-R1.5	10.0	1.5	25	75	10	2		
TM-2R-D10-R2	10.0	2.0	25	75	10	2		
TM-2R-D10-R2.5	10.0	2.5	25	75	10	2		
TM-2R-D10-R3	10.0	3.0	25	75	10	2		
TM-2R-D12-R0.5	12.0	0.5	30	75	12	2		
TM-2R-D12-R1	12.0	1.0	30	75	12	2		
TM-2R-D12-R1.5	12.0	1.5	30	75	12	2		
TM-2R-D12-R2	12.0	2.0	30	75	12	2		
TM-2R-D12-R2.5	12.0	2.5	30	75	12	2		
TM-2R-D12-R3	12.0	3.0	30	75	12	2		

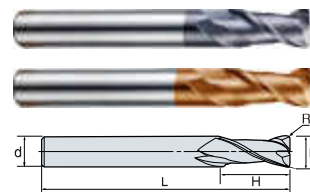
被削材质
Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

长柄2刃圆弧铣刀
2 flutes corner radius end mill with long shank

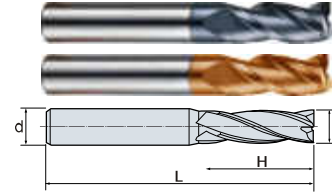


MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2RL-D1-R0.2	1.0	0.2	3	75	4	2		
TM-2RL-D1.5-R0.2	1.5	0.2	4	75	4	2		
TM-2RL-D1.5-R0.5	1.5	0.5	4	75	4	2		
TM-2RL-D2-R0.2	2.0	0.2	6	75	4	2		
TM-2RL-D2-R0.5	2.0	0.5	6	75	4	2		
TM-2RL-D2.5-R0.2	2.5	0.2	8	75	4	2		
TM-2RL-D2.5-R0.5	2.5	0.5	8	75	4	2		
TM-2RL-D3-R0.2	3.0	0.2	8	75	4	2		
TM-2RL-D3-R0.5	3.0	0.5	8	75	4	2		
TM-2RL-D3-R1	3.0	1.0	8	75	4	2		
TM-2RL-D4-R0.2	4.0	0.2	11	75	4	2		
TM-2RL-D4-R0.5	4.0	0.5	11	75	4	2		
TM-2RL-D4-R1	4.0	1.0	11	75	4	2		
TM-2RL-D5-R0.5	5.0	0.5	13	75	6	2		
TM-2RL-D5-R1	5.0	1.0	13	75	6	2		
TM-2RL-D6-R0.2	6.0	0.2	15	75	6	2		
TM-2RL-D6-R0.5	6.0	0.5	15	75	6	2		
TM-2RL-D6-R1	6.0	1.0	15	75	6	2		
TM-2RL-D6-R1.5	6.0	1.5	15	75	6	2		
TM-2RL-D6-R2	6.0	2.0	15	75	6	2		
TM-2RL-D8-R0.5	8.0	0.5	20	75	8	2		
TM-2RL-D8-R1	8.0	1.0	20	75	8	2		
TM-2RL-D8-R1.5	8.0	1.5	20	75	8	2		
TM-2RL-D8-R2	8.0	2.0	20	75	8	2		
TM-2RX-D4-R0.2	4.0	0.2	11	100	6	2		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2RX-D4-R0.5	4.0	0.5	11	100	6	2		
TM-2RX-D4-R1	4.0	1.0	11	100	6	2		
TM-2RX-D5-R0.5	5.0	0.5	13	100	6	2		
TM-2RX-D5-R1	5.0	1.0	13	100	6	2		
TM-2RX-D6-R0.2	6.0	0.2	15	100	6	2		
TM-2RX-D6-R0.5	6.0	0.5	15	100	6	2		
TM-2RX-D6-R1	6.0	1.0	15	100	6	2		
TM-2RX-D6-R1.5	6.0	1.5	15	100	6	2		
TM-2RX-D6-R2	6.0	2.0	15	100	6	2		
TM-2RX-D8-R0.5	8.0	0.5	20	100	8	2		
TM-2RX-D8-R1	8.0	1.0	20	100	8	2		
TM-2RX-D8-R1.5	8.0	1.5	20	100	8	2		
TM-2RX-D8-R2	8.0	2.0	20	100	8	2		
TM-2RL-D10-R0.5	10.0	0.5	25	100	10	2		
TM-2RL-D10-R1	10.0	1.0	25	100	10	2		
TM-2RL-D10-R1.5	10.0	1.5	25	100	10	2		
TM-2RL-D10-R2	10.0	2.0	25	100	10	2		
TM-2RL-D10-R2.5	10.0	2.5	25	100	10	2		
TM-2RL-D10-R3	10.0	3.0	25	100	10	2		
TM-2RL-D12-R0.5	12.0	0.5	30	100	12	2		
TM-2RL-D12-R1	12.0	1.0	30	100	12	2		
TM-2RL-D12-R1.5	12.0	1.5	30	100	12	2		
TM-2RL-D12-R2	12.0	2.0	30	100	12	2		
TM-2RL-D12-R2.5	12.0	2.5	30	100	12	2		
TM-2RL-D12-R3	12.0	3.0	30	100	12	2		

标准柄3刃平头铣刀 3 flutes square end mill

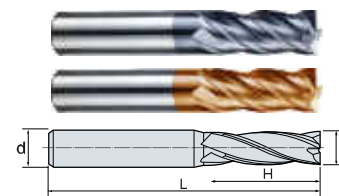


MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-3E-D1S	1.0	3	50	4	3		
TM-3E-D1.5S	1.5	4.5	50	4	3		
TM-3E-D2S	2.0	6	50	4	3		
TM-3E-D2.5S	2.5	7	50	4	3		
TM-3E-D3S	3.0	8	50	4	3		
TM-3E-D3.5S	3.5	10	50	4	3		
TM-3E-D4S	4.0	11	50	4	3		
TM-3E-D4.5	4.5	11	50	6	3		
TM-3E-D5	5.0	13	50	6	3		
TM-3E-D5.5	5.5	13	50	6	3		
TM-3E-D6	6.0	15	50	6	3		
TM-3E-D6.5	6.5	15	60	8	3		
TM-3E-D7	7.0	17	60	8	3		
TM-3E-D7.5	7.5	17	60	8	3		
TM-3E-D8	8.0	20	60	8	3		
TM-3E-D8.5	8.5	20	75	10	3		
TM-3E-D9	9.0	23	75	10	3		
TM-3E-D9.5	9.5	23	75	10	3		
TM-3E-D10	10.0	25	75	10	3		
TM-3E-D10.5	10.5	25	75	12	3		
TM-3E-D11	11.0	28	75	12	3		
TM-3E-D11.5	11.5	28	75	12	3		
TM-3E-D12	12.0	30	75	12	3		
TM-3E-D13	13.0	33	100	14	3		
TM-3E-D14	14.0	35	100	14	3		

标准柄4刃平头铣刀
 4 flutes square end mill

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-3E-D15	15.0	38	100	16	3		
TM-3E-D16	16.0	40	100	16	3		
TM-3E-D17	17.0	40	100	18	3		
TM-3E-D18	18.0	40	100	18	3		
TM-3E-D19	19.0	40	100	20	3		
TM-3E-D20	20.0	40	100	20	3		
TM-3E-D22	22.0	40	100	25	3		
TM-3E-D25	25.0	40	100	25	3		



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

被削材质
 Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差
 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4E-D1S	1.0	3	50	4	4		
TM-4E-D1.5S	1.5	4.5	50	4	4		
TM-4E-D2S	2.0	6	50	4	4		
TM-4E-D2.5S	2.5	7	50	4	4		
TM-4E-D3S	3.0	8	50	4	4		
TM-4E-D3.5S	3.5	10	50	4	4		
TM-4E-D4S	4.0	11	50	4	4		
TM-4E-D4.5	4.5	13	50	6	4		
TM-4E-D5	5.0	13	50	6	4		
TM-4E-D5.5	5.5	13	50	6	4		
TM-4E-D6	6.0	15	50	6	4		
TM-4E-D6.5	6.5	17	60	8	4		
TM-4E-D7	7.0	17	60	8	4		
TM-4E-D7.5	7.5	17	60	8	4		
TM-4E-D8	8.0	20	60	8	4		
TM-4E-D8.5	8.5	23	75	10	4		
TM-4E-D9	9.0	23	75	10	4		
TM-4E-D9.5	9.5	25	75	10	4		
TM-4E-D10	10.0	25	75	10	4		
TM-4E-D10.5	10.5	25	75	12	4		
TM-4E-D11	11.0	28	75	12	4		
TM-4E-D11.5	11.5	28	75	12	4		
TM-4E-D12	12.0	30	75	12	4		
TM-4E-D13	13.0	33	100	14	4		
TM-4E-D14	14.0	35	100	14	4		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4E-D15	15.0	38	100	16	4		
TM-4E-D16	16.0	40	100	16	4		
TM-4E-D17	17.0	40	100	18	4		
TM-4E-D18	18.0	40	100	18	4		
TM-4E-D19	19.0	40	100	20	4		
TM-4E-D20	20.0	40	100	20	4		
TM-4E-D22	22.0	40	100	25	4		
TM-4E-D25	25.0	40	100	25	4		

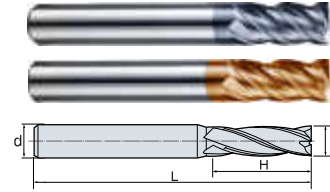
■ 被削材质
Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

■ 公差
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

长柄4刃平头铣刀
4 flutes square end mill with long shank



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4EL-D1S	1.0	3	75	4	4		
TM-4EL-D1.5S	1.5	4.5	75	4	4		
TM-4EL-D2S	2.0	6	75	4	4		
TM-4EL-D2.5S	2.5	7	75	4	4		
TM-4EL-D3S	3.0	8	75	4	4		
TM-4EL-D3.5S	3.5	10	75	4	4		
TM-4EL-D4S	4.0	11	75	4	4		
TM-4EL-D4.5	4.5	13	75	6	4		
TM-4EL-D5	5.0	13	75	6	4		
TM-4EL-D5.5	5.5	13	75	6	4		
TM-4EL-D6	6.0	15	75	6	4		
TM-4EL-D6.5	6.5	17	75	8	4		
TM-4EL-D7	7.0	17	75	8	4		
TM-4EL-D7.5	7.5	17	75	8	4		
TM-4EL-D8	8.0	20	75	8	4		
TM-4EX-D3	3.0	8	100	6	4		
TM-4EX-D4	4.0	11	100	6	4		
TM-4EX-D5	5.0	13	100	6	4		
TM-4EX-D6	6.0	15	100	6	4		
TM-4EX-D7	7.0	17	100	8	4		
TM-4EX-D8	8.0	20	100	8	4		
TM-4EL-D9	9.0	23	100	10	4		
TM-4EL-D10	10.0	25	100	10	4		
TM-4EL-D11	11.0	28	100	12	4		
TM-4EL-D12	12.0	30	100	12	4		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4EC-D8	8.0	20	150	8	4		
TM-4EX-D10	10.0	25	150	10	4		
TM-4EX-D12	12.0	30	150	12	4		
TM-4EL-D16	16.0	40	150	16	4		
TM-4EL-D18	18.0	40	150	18	4		
TM-4EL-D20	20.0	40	150	20	4		
TM-4EX-D16	16.0	40	200	16	4		
TM-4EX-D20	20.0	40	200	20	4		

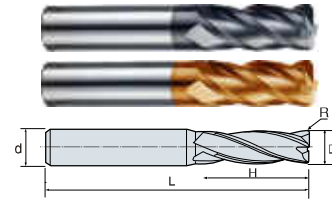
■ 被削材质
Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

■ 公差
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

标准柄4刃圆弧铣刀
4 flutes corner radius end mill



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4R-D1-R0.2	1.0	0.2	3	50	4	4		
TM-4R-D1.5-R0.2	1.5	0.2	4	50	4	4		
TM-4R-D1.5-R0.5	1.5	0.5	4	50	4	4		
TM-4R-D2-R0.2	2.0	0.2	6	50	4	4		
TM-4R-D2-R0.5	2.0	0.5	6	50	4	4		
TM-4R-D2.5-R0.2	2.5	0.2	8	50	4	4		
TM-4R-D2.5-R0.5	2.5	0.5	8	50	4	4		
TM-4R-D3-R0.2	3.0	0.2	8	50	4	4		
TM-4R-D3-R0.5	3.0	0.5	8	50	4	4		
TM-4R-D3-R1	3.0	1.0	8	50	4	4		
TM-4R-D4-R0.2	4.0	0.2	11	50	4	4		
TM-4R-D4-R0.5	4.0	0.5	11	50	4	4		
TM-4R-D4-R1	4.0	1.0	11	50	4	4		
TM-4R-D5-R0.5	5.0	0.5	13	50	6	4		
TM-4R-D5-R1	5.0	1.0	13	50	6	4		
TM-4R-D6-R0.2	6.0	0.2	15	50	6	4		
TM-4R-D6-R0.5	6.0	0.5	15	50	6	4		
TM-4R-D6-R1	6.0	1.0	15	50	6	4		
TM-4R-D6-R1.5	6.0	1.5	15	50	6	4		
TM-4R-D6-R2	6.0	2.0	15	50	6	4		
TM-4R-D8-R0.5	8.0	0.5	20	60	8	4		
TM-4R-D8-R1	8.0	1.0	20	60	8	4		
TM-4R-D8-R1.5	8.0	1.5	20	60	8	4		
TM-4R-D8-R2	8.0	2.0	20	60	8	4		
TM-4R-D10-R0.5	10.0	0.5	25	75	10	4		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4R-D10-R1	10.0	1.0	25	75	10	4		
TM-4R-D10-R1.5	10.0	1.5	25	75	10	4		
TM-4R-D10-R2	10.0	2.0	25	75	10	4		
TM-4R-D10-R2.5	10.0	2.5	25	75	10	4		
TM-4R-D10-R3	10.0	3.0	25	75	10	4		
TM-4R-D12-R0.5	12.0	0.5	30	75	12	4		
TM-4R-D12-R1	12.0	1.0	30	75	12	4		
TM-4R-D12-R1.5	12.0	1.5	30	75	12	4		
TM-4R-D12-R2	12.0	2.0	30	75	12	4		
TM-4R-D12-R2.5	12.0	2.5	30	75	12	4		
TM-4R-D12-R3	12.0	3.0	30	75	12	4		

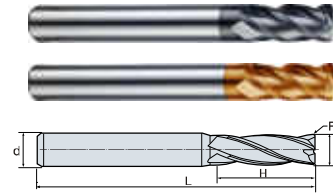
■ 被削材质
Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

■ 公差
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

长柄4刃圆弧铣刀
4 flutes corner radius end mill with long shank

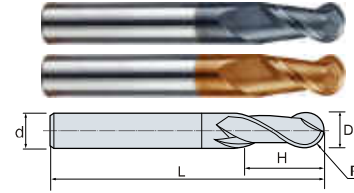


MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4RL-D1-R0.2	1.0	0.2	3	75	4	4		
TM-4RL-D1.5-R0.2	1.5	0.2	4	75	4	4		
TM-4RL-D1.5-R0.5	1.5	0.5	4	75	4	4		
TM-4RL-D2-R0.2	2.0	0.2	6	75	4	4		
TM-4RL-D2-R0.5	2.0	0.5	6	75	4	4		
TM-4RL-D2.5-R0.2	2.5	0.2	8	75	4	4		
TM-4RL-D2.5-R0.5	2.5	0.5	8	75	4	4		
TM-4RL-D3-R0.2	3.0	0.2	8	75	4	4		
TM-4RL-D3-R0.5	3.0	0.5	8	75	4	4		
TM-4RL-D3-R1	3.0	1.0	8	75	4	4		
TM-4RL-D4-R0.2	4.0	0.2	11	75	4	4		
TM-4RL-D4-R0.5	4.0	0.5	11	75	4	4		
TM-4RL-D4-R1	4.0	1.0	11	75	4	4		
TM-4RL-D5-R0.5	5.0	0.5	13	75	6	4		
TM-4RL-D5-R1	5.0	1.0	13	75	6	4		
TM-4RL-D6-R0.2	6.0	0.2	15	75	6	4		
TM-4RL-D6-R0.5	6.0	0.5	15	75	6	4		
TM-4RL-D6-R1	6.0	1.0	15	75	6	4		
TM-4RL-D6-R1.5	6.0	1.5	15	75	6	4		
TM-4RL-D6-R2	6.0	2.0	15	75	6	4		
TM-4RL-D8-R0.5	8.0	0.5	20	75	8	4		
TM-4RL-D8-R1	8.0	1.0	20	75	8	4		
TM-4RL-D8-R1.5	8.0	1.5	20	75	8	4		
TM-4RL-D8-R2	8.0	2.0	20	75	8	4		
TM-4RX-D4-R0.2	4.0	0.2	11	100	6	4		

标准柄2刃球头铣刀 2 flutes ball nose end mill

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-4RX-D4-R0.5	4.0	0.5	11	100	6	4		
TM-4RX-D4-R1	4.0	1.0	11	100	6	4		
TM-4RX-D5-R0.5	5.0	0.5	13	100	6	4		
TM-4RX-D5-R1	5.0	1.0	13	100	6	4		
TM-4RX-D6-R0.2	6.0	0.2	15	100	6	4		
TM-4RX-D6-R0.5	6.0	0.5	15	100	6	4		
TM-4RX-D6-R1	6.0	1.0	15	100	6	4		
TM-4RX-D6-R1.5	6.0	1.5	15	100	6	4		
TM-4RX-D6-R2	6.0	2.0	15	100	6	4		
TM-4RX-D8-R0.5	8.0	0.5	20	100	8	4		
TM-4RX-D8-R1	8.0	1.0	20	100	8	4		
TM-4RX-D8-R1.5	8.0	1.5	20	100	8	4		
TM-4RX-D8-R2	8.0	2.0	20	100	8	4		
TM-4RL-D10-R0.5	10.0	0.5	25	100	10	4		
TM-4RL-D10-R1	10.0	1.0	25	100	10	4		
TM-4RL-D10-R1.5	10.0	1.5	25	100	10	4		
TM-4RL-D10-R2	10.0	2.0	25	100	10	4		
TM-4RL-D10-R2.5	10.0	2.5	25	100	10	4		
TM-4RL-D10-R3	10.0	3.0	25	100	10	4		
TM-4RL-D12-R0.5	12.0	0.5	30	100	12	4		
TM-4RL-D12-R1	12.0	1.0	30	100	12	4		
TM-4RL-D12-R1.5	12.0	1.5	30	100	12	4		
TM-4RL-D12-R2	12.0	2.0	30	100	12	4		
TM-4RL-D12-R2.5	12.0	2.5	30	100	12	4		
TM-4RL-D12-R3	12.0	3.0	30	100	12	4		



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-2B-R0.5S	0.50	1.0	2	50	4	2		
TM-2B-R0.75S	0.75	1.5	3	50	4	2		
TM-2B-R1S	1.00	2.0	4	50	4	2		
TM-2B-R1.25S	1.25	2.5	5	50	4	2		
TM-2B-R1.5S	1.50	3.0	6	50	4	2		
TM-2B-R1.75S	1.75	3.5	7	50	4	2		
TM-2B-R2S	2.00	4.0	8	50	4	2		
TM-2B-R0.5	0.50	1.0	2	60	6	2		
TM-2B-R0.75	0.75	1.5	3	60	6	2		
TM-2B-R1	1.00	2.0	4	60	6	2		
TM-2B-R1.25	1.25	2.5	5	60	6	2		
TM-2B-R1.5	1.50	3.0	6	60	6	2		
TM-2B-R1.75	1.75	3.5	7	60	6	2		
TM-2B-R2	2.00	4.0	8	60	6	2		
TM-2B-R2.25	2.25	4.5	9	60	6	2		
TM-2B-R2.5	2.50	5.0	10	60	6	2		
TM-2B-R2.75	2.75	5.5	11	60	6	2		
TM-2B-R3	3.00	6.0	12	60	6	2		
TM-2B-R3.25	3.25	6.5	13	60	8	2		
TM-2B-R3.5	3.50	7.0	14	60	8	2		
TM-2B-R3.75	3.75	7.5	15	60	8	2		
TM-2B-R4	4.00	8.0	16	60	8	2		
TM-2B-R4.5	4.50	9.0	18	75	10	2		
TM-2B-R5	5.00	10.0	20	75	10	2		
TM-2B-R6	6.00	12.0	24	75	12	2		

订货型号 Ordering number	刀尖圆角 The tool nose arc	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-2B-R7	7.00	14.0	30	100	14	2		
TM-2B-R8	8.00	16.0	30	100	16	2		
TM-2B-R9	9.00	18.0	30	100	18	2		
TM-2B-R10	10.00	20.0	30	100	20	2		
TM-2B-R12.5	12.50	25.0	30	100	25	2		

■ 被削材质

Work material

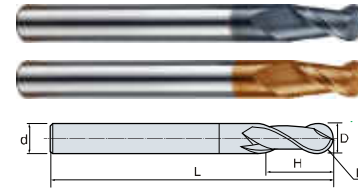
TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

■ 公差

Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

长柄2刃球头铣刀
2 flutes ball nose end mill with long shank

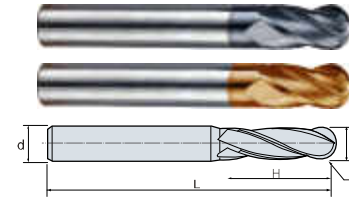


MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刀尖圆角 The tool nose arc	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-2BL-R0.5S	0.50	1.0	2	75	4	2		
TM-2BL-R0.75S	0.75	1.5	3	75	4	2		
TM-2BL-R1S	1.00	2.0	4	75	4	2		
TM-2BL-R1.25S	1.25	2.5	5	75	4	2		
TM-2BL-R1.5S	1.50	3.0	6	75	4	2		
TM-2BL-R1.75S	1.75	3.5	7	75	4	2		
TM-2BL-R2S	2.00	4.0	8	75	4	2		
TM-2BL-R2.25	2.25	4.5	9	75	6	2		
TM-2BL-R2.5	2.50	5.0	10	75	6	2		
TM-2BL-R2.75	2.75	5.5	11	75	6	2		
TM-2BL-R3	3.00	6.0	12	75	6	2		
TM-2BL-R4	4.00	8.0	16	75	8	2		
TM-2BX-R0.5	0.50	1.0	2	100	6	2		
TM-2BX-R0.75	0.75	1.5	3	100	6	2		
TM-2BX-R1	1.00	2.0	4	100	6	2		
TM-2BX-R1.25	1.25	2.5	5	100	6	2		
TM-2BX-R1.5	1.50	3.0	6	100	6	2		
TM-2BX-R1.75	1.75	3.5	7	100	6	2		
TM-2BX-R2	2.00	4.0	8	100	6	2		
TM-2BX-R2.25	2.25	4.5	9	100	6	2		
TM-2BX-R2.5	2.50	5.0	10	100	6	2		
TM-2BX-R2.75	2.75	5.5	11	100	6	2		
TM-2BX-R3	3.00	6.0	12	100	6	2		
TM-2BX-R4	4.00	8.0	16	100	8	2		
TM-2BL-R5	5.00	10.0	20	100	10	2		

标准柄4刃球头铣刀 4 flutes ball nose end mill

订货型号 Ordering number	刀尖圆角 The tool nose arc	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-2BL-R6	6.00	12.0	24	100	12	2		
TM-2BC-R3	3.00	6.0	12	150	6	2		
TM-2BC-R4	4.00	8.0	16	150	8	2		
TM-2BX-R5	5.00	10.0	20	150	10	2		
TM-2BX-R6	6.00	12.0	24	150	12	2		
TM-2BL-R7	7.00	14.0	30	150	14	2		
TM-2BL-R8	8.00	16.0	30	150	16	2		
TM-2BL-R10	10.00	20.0	30	150	20	2		
TM-2BC-R5	5.00	10.0	20	200	10	2		
TM-2BC-R6	6.00	12.0	24	200	12	2		
TM-2BX-R7	7.00	14.0	30	200	14	2		
TM-2BX-R8	8.00	16.0	30	200	16	2		
TM-2BX-R10	10.00	20.0	30	200	20	2		



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-4B-R0.5S	0.50	1.0	2	50	4	4		
TM-4B-R0.75S	0.75	1.5	3	50	4	4		
TM-4B-R1S	1.00	2.0	4	50	4	4		
TM-4B-R1.25S	1.25	2.5	5	50	4	4		
TM-4B-R1.5S	1.50	3.0	6	50	4	4		
TM-4B-R1.75S	1.75	3.5	7	50	4	4		
TM-4B-R2S	2.00	4.0	8	50	4	4		
TM-4B-R2.25	2.25	4.5	9	50	6	4		
TM-4B-R2.5	2.50	5.0	10	50	6	4		
TM-4B-R2.75	2.75	5.5	11	50	6	4		
TM-4B-R3	3.00	6.0	12	50	6	4		
TM-4B-R3.25	3.25	6.5	13	60	8	4		
TM-4B-R3.5	3.50	7.0	14	60	8	4		
TM-4B-R3.75	3.75	7.5	15	60	8	4		
TM-4B-R4	4.00	8.0	16	60	8	4		
TM-4B-R4.5	4.50	9.0	18	75	10	4		
TM-4B-R5	5.00	10.0	20	75	10	4		
TM-4B-R6	6.00	12.0	24	75	12	4		
TM-4B-R7	7.00	14.0	30	100	14	4		
TM-4B-R8	8.00	16.0	30	100	16	4		
TM-4B-R9	9.00	18.0	30	100	18	4		
TM-4B-R10	10.00	20.0	30	100	20	4		
TM-4B-R12.5	12.50	25.0	30	100	25	4		

被削材质 Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

■ 被削材质
Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

R	R diameter tolerance
R	R ± 0.015

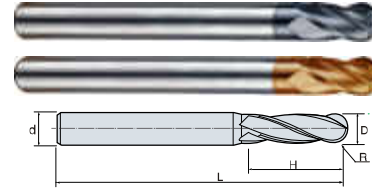
■ 公差
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ0.4~Φ4.0	0~-0.02	H6

■ 公差
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

长柄4刃球头铣刀
Long shank 4 flutes ball nose end mills



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4BL-R0.5S	0.50	1.0	2	75	4	4		
TM-4BL-R0.75S	0.75	1.5	3	75	4	4		
TM-4BL-R1S	1.00	2.0	4	75	4	4		
TM-4BL-R1.25S	1.25	2.5	5	75	4	4		
TM-4BL-R1.5S	1.50	3.0	6	75	4	4		
TM-4BL-R1.75S	1.75	3.5	7	75	4	4		
TM-4BL-R2S	2.00	4.0	8	75	4	4		
TM-4BL-R2.25	2.25	4.5	9	75	6	4		
TM-4BL-R2.5	2.50	5.0	10	75	6	4		
TM-4BL-R2.75	2.75	5.5	11	75	6	4		
TM-4BL-R3	3.00	6.0	12	75	6	4		
TM-4BL-R4	4.00	8.0	16	75	8	4		
TM-4BX-R0.5	0.50	1.0	2	100	6	4		
TM-4BX-R0.75	0.75	1.5	3	100	6	4		
TM-4BX-R1	1.00	2.0	4	100	6	4		
TM-4BX-R1.25	1.25	2.5	5	100	6	4		
TM-4BX-R1.5	1.50	3.0	6	100	6	4		
TM-4BX-R1.75	1.75	3.5	7	100	6	4		
TM-4BX-R2	2.00	4.0	8	100	6	4		
TM-4BX-R2.25	2.25	4.5	9	100	6	4		
TM-4BX-R2.5	2.50	5.0	10	100	6	4		
TM-4BX-R2.75	2.75	5.5	11	100	6	4		
TM-4BX-R3	3.00	6.0	12	100	6	4		
TM-4BX-R4	4.00	8.0	16	100	8	4		
TM-4BL-R5	5.00	10.0	20	100	10	4		

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-4BL-R6	6.00	12.0	24	100	12	4		
TM-4BC-R3	3.00	6.0	12	150	6	4		
TM-4BC-R4	4.00	8.0	16	150	8	4		
TM-4BX-R5	5.00	10.0	20	150	10	4		
TM-4BX-R6	6.00	12.0	24	150	12	4		
TM-4BL-R7	7.00	14.0	30	150	14	4		
TM-4BL-R8	8.00	16.0	30	150	16	4		
TM-4BL-R10	10.00	20.0	30	150	20	4		
TM-4BC-R5	5.00	10.0	20	200	10	4		
TM-4BC-R6	6.00	12.0	24	200	12	4		
TM-4BX-R7	7.00	14.0	30	200	14	4		
TM-4BX-R8	8.00	16.0	30	200	16	4		
TM-4BX-R10	10.00	20.0	30	200	20	4		

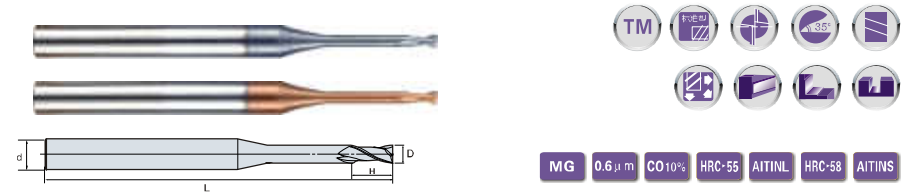
■ 被削材质
Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●
R		R diameter tolerance		
R		R ± 0.015		

■ 公差
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

2 flutes square end mill with long neck and short cutting edge

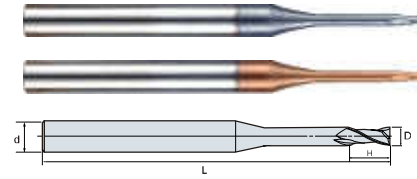


MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2EP-D0.2-M01	0.2	0.3	1	50	4	2		
TM-2EP-D0.2-M02	0.2	0.3	2	50	4	2		
TM-2EP-D0.3-M01	0.3	0.4	1	50	4	2		
TM-2EP-D0.3-M02	0.3	0.4	2	50	4	2		
TM-2EP-D0.3-M03	0.3	0.4	3	50	4	2		
TM-2EP-D0.3-M04	0.3	0.4	4	50	4	2		
TM-2EP-D0.3-M05	0.3	0.4	5	50	4	2		
TM-2EP-D0.4-M01	0.4	0.5	1	50	4	2		
TM-2EP-D0.4-M02	0.4	0.5	2	50	4	2		
TM-2EP-D0.4-M03	0.4	0.5	3	50	4	2		
TM-2EP-D0.4-M04	0.4	0.5	4	50	4	2		
TM-2EP-D0.4-M05	0.4	0.5	5	50	4	2		
TM-2EP-D0.4-M06	0.4	0.5	6	50	4	2		
TM-2EP-D0.4-M08	0.4	0.5	8	50	4	2		
TM-2EP-D0.4-M10	0.4	0.5	10	50	4	2		
TM-2EP-D0.5-M02	0.5	0.6	2	50	4	2		
TM-2EP-D0.5-M03	0.5	0.6	3	50	4	2		
TM-2EP-D0.5-M04	0.5	0.6	4	50	4	2		
TM-2EP-D0.5-M05	0.5	0.6	5	50	4	2		
TM-2EP-D0.5-M06	0.5	0.6	6	50	4	2		
TM-2EP-D0.5-M08	0.5	0.6	8	50	4	2		
TM-2EP-D0.5-M10	0.5	0.6	10	50	4	2		
TM-2EP-D0.5-M12	0.5	0.6	12	50	4	2		
TM-2EP-D0.5-M14	0.5	0.6	14	50	4	2		
TM-2EP-D0.6-M02	0.6	0.7	2	50	4	2		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2EP-D0.6-M03	0.6	0.7	3	50	4	2		
TM-2EP-D0.6-M04	0.6	0.7	4	50	4	2		
TM-2EP-D0.6-M05	0.6	0.7	5	50	4	2		
TM-2EP-D0.6-M06	0.6	0.7	6	50	4	2		
TM-2EP-D0.6-M08	0.6	0.7	8	50	4	2		
TM-2EP-D0.6-M10	0.6	0.7	10	50	4	2		
TM-2EP-D0.6-M12	0.6	0.7	12	50	4	2		
TM-2EP-D0.6-M14	0.6	0.7	14	50	4	2		
TM-2EP-D0.6-M16	0.6	0.7	16	50	4	2		
TM-2EP-D0.7-M02	0.7	0.8	2	50	4	2		
TM-2EP-D0.7-M04	0.7	0.8	4	50	4	2		
TM-2EP-D0.7-M06	0.7	0.8	6	50	4	2		
TM-2EP-D0.7-M08	0.7	0.8	8	50	4	2		
TM-2EP-D0.7-M10	0.7	0.8	10	50	4	2		
TM-2EP-D0.7-M12	0.7	0.8	12	50	4	2		
TM-2EP-D0.8-M02	0.8	1	2	50	4	2		
TM-2EP-D0.8-M04	0.8	1	4	50	4	2		
TM-2EP-D0.8-M06	0.8	1	6	50	4	2		
TM-2EP-D0.8-M08	0.8	1	8	50	4	2		
TM-2EP-D0.8-M10	0.8	1	10	50	4	2		
TM-2EP-D0.8-M12	0.8	1	12	50	4	2		
TM-2EP-D0.8-M14	0.8	1	14	50	4	2		
TM-2EP-D0.9-M06	0.9	1.1	6	50	4	2		
TM-2EP-D0.9-M08	0.9	1.1	8	50	4	2		
TM-2EP-D0.9-M10	0.9	1.1	10	50	4	2		
TM-2EP-D1-M02	1.0	1.2	2	50	4	2		
TM-2EP-D1-M03	1.0	1.2	3	50	4	2		
TM-2EP-D1-M04	1.0	1.2	4	50	4	2		
TM-2EP-D1-M05	1.0	1.2	5	50	4	2		
TM-2EP-D1-M06	1.0	1.2	6	50	4	2		
TM-2EP-D1-M08	1.0	1.2	8	50	4	2		
TM-2EP-D1-M10	1.0	1.2	10	50	4	2		

2刃深沟平头铣刀 2 flutes square end mill with long neck and short cutting edge

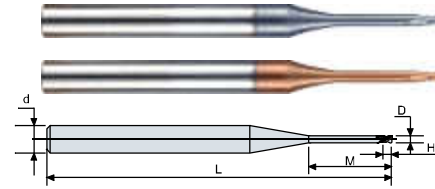


MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2EP-D1-M12	1.0	1.2	12	50	4	2		
TM-2EP-D1-M14	1.0	1.2	14	50	4	2		
TM-2EP-D1-M16	1.0	1.2	16	50	4	2		
TM-2EP-D1-M18	1.0	1.2	18	50	4	2		
TM-2EP-D1-M20	1.0	1.2	20	50	4	2		
TM-2EP-D1.2-M04	1.2	1.5	4	50	4	2		
TM-2EP-D1.2-M06	1.2	1.5	6	50	4	2		
TM-2EP-D1.2-M08	1.2	1.5	8	50	4	2		
TM-2EP-D1.2-M10	1.2	1.5	10	50	4	2		
TM-2EP-D1.2-M12	1.2	1.5	12	50	4	2		
TM-2EP-D1.2-M16	1.2	1.5	16	50	4	2		
TM-2EP-D1.2-M20	1.2	1.5	20	50	4	2		
TM-2EP-D1.4-M06	1.4	1.8	6	50	4	2		
TM-2EP-D1.4-M08	1.4	1.8	8	50	4	2		
TM-2EP-D1.4-M10	1.4	1.8	10	50	4	2		
TM-2EP-D1.4-M14	1.4	1.8	14	50	4	2		
TM-2EP-D1.4-M16	1.4	1.8	16	50	4	2		
TM-2EP-D1.4-M20	1.4	1.8	20	50	4	2		
TM-2EP-D1.5-M04	1.5	1.8	4	50	4	2		
TM-2EP-D1.5-M06	1.5	1.8	6	50	4	2		
TM-2EP-D1.5-M08	1.5	1.8	8	50	4	2		
TM-2EP-D1.5-M10	1.5	1.8	10	50	4	2		
TM-2EP-D1.5-M12	1.5	1.8	12	50	4	2		
TM-2EP-D1.5-M14	1.5	1.8	14	50	4	2		
TM-2EP-D1.5-M16	1.5	1.8	16	50	4	2		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2EP-D1.5-M18	1.5	1.8	18	50	4	2		
TM-2EP-D1.5-M20	1.5	1.8	20	50	4	2		
TM-2EP-D1.6-M10	1.6	1.9	10	50	4	2		
TM-2EP-D1.6-M14	1.6	1.9	14	50	4	2		
TM-2EP-D1.6-M18	1.6	1.9	18	50	4	2		
TM-2EP-D1.8-M10	1.8	2	10	50	4	2		
TM-2EP-D1.8-M14	1.8	2	14	50	4	2		
TM-2EP-D1.8-M18	1.8	2	18	50	4	2		
TM-2EP-D2-M04	2.0	2.5	4	50	4	2		
TM-2EP-D2-M06	2.0	2.5	6	50	4	2		
TM-2EP-D2-M08	2.0	2.5	8	50	4	2		
TM-2EP-D2-M10	2.0	2.5	10	50	4	2		
TM-2EP-D2-M12	2.0	2.5	12	50	4	2		
TM-2EP-D2-M14	2.0	2.5	14	50	4	2		
TM-2EP-D2-M16	2.0	2.5	16	50	4	2		
TM-2EP-D2-M18	2.0	2.5	18	50	4	2		
TM-2EP-D2-M20	2.0	2.5	20	50	4	2		
TM-2EP-D2-M22	2.0	2.5	22	50	4	2		
TM-2EP-D2-M25	2.0	2.5	25	50	4	2		
TM-2EP-D2-M30	2.0	2.5	30	50	4	2		
TM-2EP-D2-M35	2.0	2.5	35	50	4	2		
TM-2EP-D2.5-M08	2.5	3	8	50	4	2		
TM-2EP-D2.5-M10	2.5	3	10	50	4	2		
TM-2EP-D2.5-M12	2.5	3	12	50	4	2		
TM-2EP-D2.5-M16	2.5	3	16	50	4	2		
TM-2EP-D2.5-M20	2.5	3	20	50	4	2		
TM-2EP-D2.5-M25	2.5	3	25	50	4	2		
TM-2EP-D2.5-M30	2.5	3	30	50	4	2		
TM-2EP-D2.5-M35	2.5	3	35	50	4	2		

2 flutes square end mill with long neck and short cutting edge



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2EP-D3-M06	3.0	3.5	6	50	6	2		
TM-2EP-D3-M10	3.0	3.5	10	50	6	2		
TM-2EP-D3-M12	3.0	3.5	12	50	6	2		
TM-2EP-D3-M16	3.0	3.5	16	50	6	2		
TM-2EP-D3-M20	3.0	3.5	20	60	6	2		
TM-2EP-D3-M25	3.0	3.5	25	60	6	2		
TM-2EP-D3-M30	3.0	3.5	30	60	6	2		
TM-2EP-D3-M35	3.0	3.5	35	75	6	2		
TM-2EP-D4-M08	4.0	4.5	8	50	6	2		
TM-2EP-D4-M10	4.0	4.5	10	50	6	2		
TM-2EP-D4-M12	4.0	4.5	12	50	6	2		
TM-2EP-D4-M16	4.0	4.5	16	50	6	2		
TM-2EP-D4-M20	4.0	4.5	20	60	6	2		
TM-2EP-D4-M25	4.0	4.5	25	60	6	2		
TM-2EP-D4-M30	4.0	4.5	30	60	6	2		
TM-2EP-D4-M35	4.0	4.5	35	75	6	2		
TM-2EP-D5-M16	5.0	7	16	50	6	2		
TM-2EP-D5-M20	5.0	7	20	60	6	2		
TM-2EP-D5-M25	5.0	7	25	60	6	2		
TM-2EP-D5-M30	5.0	7	30	60	6	2		
TM-2EP-D5-M35	5.0	7	35	75	6	2		
TM-2EP-D6-M20	6.0	10	20	60	6	2		
TM-2EP-D6-M30	6.0	10	30	75	6	2		
TM-2EP-D8-M20	8.0	15	20	60	8	2		
TM-2EP-D8-M30	8.0	15	30	75	8	2		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2EP-D8-M40	8.0	15	40	100	8	2		
TM-2EP-D10-M25	10.0	20	25	75	10	2		
TM-2EP-D10-M35	10.0	20	35	75	10	2		
TM-2EP-D10-M45	10.0	20	45	100	10	2		
TM-2EP-D12-M30	12.0	25	30	75	12	2		
TM-2EP-D12-M40	12.0	25	40	100	12	2		
TM-2EP-D12-M50	12.0	25	50	100	12	2		

■ 被削材质 Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

■ 公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance
Φ	0~-0.02

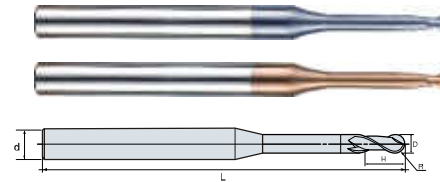
被切材质 Working material	合金钢/工具钢 Alloy steel/Tool steel	合金钢/工具钢 Alloy steel/Tool steel	合金钢/工具钢 Alloy steel/Tool steel	合金钢/工具钢 Alloy steel/Tool steel
材质编码 Material code	45C,S50C,SCM	SCM,SKT,SKD	SCM,SKT,SKD	SKT,SKD
硬度等级 Hardness grade	HRC < 20	HRC 20~30	HRC 30~40	HRC 40~50

直径 Diameter	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)
0.2MM	52,000	310	52,000	290	52,000	250	52,000	250
0.3MM	56,000	520	56,000	460	56,000	410	56,000	410
0.4MM	52,000	610	52,000	580	44,600	420	44,600	420
0.5MM	52,800	840	50,000	720	37,600	470	37,600	470
0.8MM	34,100	830	28,100	650	21,100	450	21,100	450
1.0MM	30,100	1,070	24,400	770	19,500	480	19,500	480
1.5MM	20,000	980	17,500	740	12,400	450	12,400	450
2.0MM	18,500	1,250	16,400	930	11,500	550	11,500	550
2.5MM	14,000	1,240	11,800	950	8,800	650	8,800	650
3.0MM	10,600	1,150	8,700	850	6,200	560	6,200	560
4.0MM	8,500	1,280	7,100	950	5,100	600	5,100	600
5.0MM	5,800	1,040	4,800	760	3,300	460	3,300	460
6.0MM	3,900	890	3,600	680	2,400	440	2,400	440
8.0MM	3,200	910	2,800	710	2,300	450	2,300	450
10.0MM	2,900	890	2,700	680	2,100	430	2,100	430
12.0MM	2,500	710	2,300	580	2,000	400	2,000	400

Milling amount (mm)

Please refer to 3xD table, reduce R.P.M.&Feed while efficient length is increasing.

2刃深沟球头铣刀
2 flutes ball nose end mill with long neck and short flute



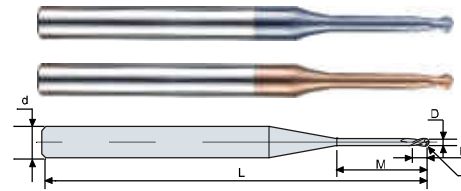
MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2BP-R0.15-M01	0.15	0.3	0.3	1	50	4	2		
TM-2BP-R0.15-M02	0.15	0.3	0.3	2	50	4	2		
TM-2BP-R0.15-M03	0.15	0.3	0.3	3	50	4	2		
TM-2BP-R0.2-M01	0.20	0.4	0.4	1	50	4	2		
TM-2BP-R0.2-M02	0.20	0.4	0.4	2	50	4	2		
TM-2BP-R0.2-M03	0.20	0.4	0.4	3	50	4	2		
TM-2BP-R0.2-M04	0.20	0.4	0.4	4	50	4	2		
TM-2BP-R0.2-M05	0.20	0.4	0.4	5	50	4	2		
TM-2BP-R0.2-M06	0.20	0.4	0.4	6	50	4	2		
TM-2BP-R0.2-M08	0.20	0.4	0.4	8	50	4	2		
TM-2BP-R0.25-M01	0.25	0.5	0.5	1	50	4	2		
TM-2BP-R0.25-M02	0.25	0.5	0.5	2	50	4	2		
TM-2BP-R0.25-M03	0.25	0.5	0.5	3	50	4	2		
TM-2BP-R0.25-M04	0.25	0.5	0.5	4	50	4	2		
TM-2BP-R0.25-M05	0.25	0.5	0.5	5	50	4	2		
TM-2BP-R0.25-M06	0.25	0.5	0.5	6	50	4	2		
TM-2BP-R0.25-M08	0.25	0.5	0.5	8	50	4	2		
TM-2BP-R0.25-M10	0.25	0.5	0.5	10	50	4	2		
TM-2BP-R0.3-M01	0.30	0.6	0.6	1	50	4	2		
TM-2BP-R0.3-M02	0.30	0.6	0.6	2	50	4	2		
TM-2BP-R0.3-M03	0.30	0.6	0.6	3	50	4	2		
TM-2BP-R0.3-M04	0.30	0.6	0.6	4	50	4	2		
TM-2BP-R0.3-M05	0.30	0.6	0.6	5	50	4	2		
TM-2BP-R0.3-M06	0.30	0.6	0.6	6	50	4	2		
TM-2BP-R0.3-M08	0.30	0.6	0.6	8	50	4	2		

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2BP-R0.3-M10	0.30	0.6	0.6	10	50	4	2		
TM-2BP-R0.3-M12	0.30	0.6	0.6	12	50	4	2		
TM-2BP-R0.35-M02	0.35	0.7	0.7	2	50	4	2		
TM-2BP-R0.35-M04	0.35	0.7	0.7	4	50	4	2		
TM-2BP-R0.35-M08	0.35	0.7	0.7	8	50	4	2		
TM-2BP-R0.35-M10	0.35	0.7	0.7	10	50	4	2		
TM-2BP-R0.35-M12	0.35	0.7	0.7	12	50	4	2		
TM-2BP-R0.4-M02	0.40	0.8	0.8	2	50	4	2		
TM-2BP-R0.4-M04	0.40	0.8	0.8	4	50	4	2		
TM-2BP-R0.4-M06	0.40	0.8	0.8	6	50	4	2		
TM-2BP-R0.4-M08	0.40	0.8	0.8	8	50	4	2		
TM-2BP-R0.4-M10	0.40	0.8	0.8	10	50	4	2		
TM-2BP-R0.4-M12	0.40	0.8	0.8	12	50	4	2		
TM-2BP-R0.45-M04	0.45	0.9	0.9	4	50	4	2		
TM-2BP-R0.5-M02	0.50	1	1	2	50	4	2		
TM-2BP-R0.5-M03	0.50	1	1	3	50	4	2		
TM-2BP-R0.5-M04	0.50	1	1	4	50	4	2		
TM-2BP-R0.5-M05	0.50	1	1	5	50	4	2		
TM-2BP-R0.5-M06	0.50	1	1	6	50	4	2		
TM-2BP-R0.5-M08	0.50	1	1	8	50	4	2		
TM-2BP-R0.5-M10	0.50	1	1	10	50	4	2		
TM-2BP-R0.5-M12	0.50	1	1	12	50	4	2		
TM-2BP-R0.5-M14	0.50	1	1	14	50	4	2		
TM-2BP-R0.5-M16	0.50	1	1	16	50	4	2		
TM-2BP-R0.5-M18	0.50	1	1	18	50	4	2		
TM-2BP-R0.5-M20	0.50	1	1	20	50	4	2		
TM-2BP-R0.5-M22	0.50	1	1	22	60	4	2		

2刃深沟球头铣刀

2 flutes ball nose end mill with long neck and short flute

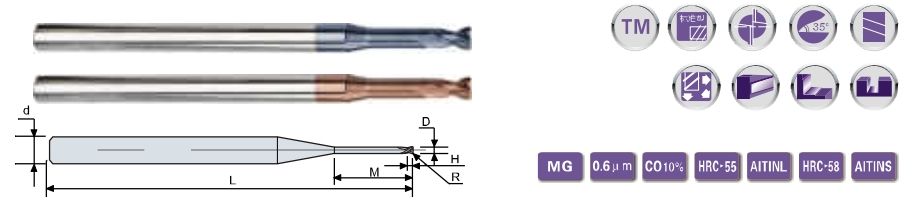


MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2BP-R0.6-M04	0.60	1.2	1.2	4	50	4	2		
TM-2BP-R0.6-M06	0.60	1.2	1.2	6	50	4	2		
TM-2BP-R0.6-M08	0.60	1.2	1.2	8	50	4	2		
TM-2BP-R0.6-M10	0.60	1.2	1.2	10	50	4	2		
TM-2BP-R0.6-M12	0.60	1.2	1.2	12	50	4	2		
TM-2BP-R0.6-M16	0.60	1.2	1.2	16	50	4	2		
TM-2BP-R0.6-M20	0.60	1.2	1.2	20	50	4	2		
TM-2BP-R0.6-M24	0.60	1.2	1.2	24	50	4	2		
TM-2BP-R0.7-M06	0.70	1.4	1.4	6	50	4	2		
TM-2BP-R0.7-M08	0.70	1.4	1.4	8	50	4	2		
TM-2BP-R0.7-M12	0.70	1.4	1.4	12	50	4	2		
TM-2BP-R0.7-M16	0.70	1.4	1.4	16	50	4	2		
TM-2BP-R0.75-M03	0.75	1.5	1.5	3	50	4	2		
TM-2BP-R0.75-M04	0.75	1.5	1.5	4	50	4	2		
TM-2BP-R0.75-M06	0.75	1.5	1.5	6	50	4	2		
TM-2BP-R0.75-M08	0.75	1.5	1.5	8	50	4	2		
TM-2BP-R0.75-M10	0.75	1.5	1.5	10	50	4	2		
TM-2BP-R0.75-M12	0.75	1.5	1.5	12	50	4	2		
TM-2BP-R0.75-M14	0.75	1.5	1.5	14	50	4	2		
TM-2BP-R0.75-M16	0.75	1.5	1.5	16	50	4	2		
TM-2BP-R0.75-M18	0.75	1.5	1.5	18	50	4	2		
TM-2BP-R0.75-M20	0.75	1.5	1.5	20	50	4	2		
TM-2BP-R0.75-M22	0.75	1.5	1.5	22	50	4	2		
TM-2BP-R0.75-M25	0.75	1.5	1.5	25	50	4	2		
TM-2BP-R0.75-M30	0.75	1.5	1.5	30	50	4	2		

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2BP-R0.8-M06	0.80	1.6	1.6	6	50	4	2		
TM-2BP-R0.8-M08	0.80	1.6	1.6	8	50	4	2		
TM-2BP-R0.8-M12	0.80	1.6	1.6	12	50	4	2		
TM-2BP-R0.8-M16	0.80	1.6	1.6	16	50	4	2		
TM-2BP-R0.8-M20	0.80	1.6	1.6	20	50	4	2		
TM-2BP-R0.9-M06	0.90	1.8	1.8	6	50	4	2		
TM-2BP-R0.9-M08	0.90	1.8	1.8	8	50	4	2		
TM-2BP-R0.9-M12	0.90	1.8	1.8	12	50	4	2		
TM-2BP-R0.9-M16	0.90	1.8	1.8	16	50	4	2		
TM-2BP-R0.9-M20	0.90	1.8	1.8	20	50	4	2		
TM-2BP-R1-M04	1.00	2.0	2	4	50	4	2		
TM-2BP-R1-M06	1.00	2.0	2	6	50	4	2		
TM-2BP-R1-M08	1.00	2.0	2	8	50	4	2		
TM-2BP-R1-M10	1.00	2.0	2	10	50	4	2		
TM-2BP-R1-M12	1.00	2.0	2	12	50	4	2		
TM-2BP-R1-M14	1.00	2.0	2	14	50	4	2		
TM-2BP-R1-M16	1.00	2.0	2	16	50	4	2		
TM-2BP-R1-M18	1.00	2.0	2	18	50	4	2		
TM-2BP-R1-M20	1.00	2.0	2	20	50	4	2		
TM-2BP-R1-M22	1.00	2.0	2	22	50	4	2		
TM-2BP-R1-M25	1.00	2.0	2	25	50	4	2		
TM-2BP-R1.25-M08	1.25	2.5	2.5	8	50	4	2		
TM-2BP-R1.25-M10	1.25	2.5	2.5	10	50	4	2		
TM-2BP-R1.25-M16	1.25	2.5	2.5	16	50	4	2		
TM-2BP-R1.25-M20	1.25	2.5	2.5	20	50	4	2		
TM-2BP-R1.25-M25	1.25	2.5	2.5	25	50	4	2		
TM-2BP-R1.25-M30	1.25	2.5	2.5	30	60	4	2		

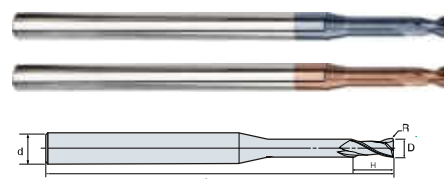
2刃深沟圆弧铣刀 2 flutes corner radius end mill with long neck and short cutting edge



订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	常备库存 Stock available	按单生产 Make to order
TM-2RP-D1-R0.1-M04	1.0	0.1	1.0	4	50	4		
TM-2RP-D1-R0.1-M06	1.0	0.1	1.0	6	50	4		
TM-2RP-D1-R0.1-M08	1.0	0.1	1.0	8	50	4		
TM-2RP-D1-R0.1-M10	1.0	0.1	1.0	10	50	4		
TM-2RP-D1-R0.1-M12	1.0	0.1	1.0	12	50	4		
TM-2RP-D1-R0.2-M04	1.0	0.2	1.0	4	50	4		
TM-2RP-D1-R0.2-M06	1.0	0.2	1.0	6	50	4		
TM-2RP-D1-R0.2-M08	1.0	0.2	1.0	8	50	4		
TM-2RP-D1-R0.2-M10	1.0	0.2	1.0	10	50	4		
TM-2RP-D1-R0.2-M12	1.0	0.2	1.0	12	50	4		
TM-2RP-D1-R0.3-M04	1.0	0.3	1.0	4	50	4		
TM-2RP-D1-R0.3-M06	1.0	0.3	1.0	6	50	4		
TM-2RP-D1-R0.3-M08	1.0	0.3	1.0	8	50	4		
TM-2RP-D1-R0.3-M10	1.0	0.3	1.0	10	50	4		
TM-2RP-D1-R0.3-M12	1.0	0.3	1.0	12	50	4		
TM-2RP-D1.2-R0.1-M04	1.2	0.1	1.2	4	50	4		
TM-2RP-D1.2-R0.1-M06	1.2	0.1	1.2	6	50	4		
TM-2RP-D1.2-R0.1-M08	1.2	0.1	1.2	8	50	4		
TM-2RP-D1.2-R0.1-M10	1.2	0.1	1.2	10	50	4		
TM-2RP-D1.2-R0.1-M12	1.2	0.1	1.2	12	50	4		
TM-2RP-D1.2-R0.2-M04	1.2	0.2	1.2	4	50	4		
TM-2RP-D1.2-R0.2-M06	1.2	0.2	1.2	6	50	4		
TM-2RP-D1.2-R0.2-M08	1.2	0.2	1.2	8	50	4		
TM-2RP-D1.2-R0.2-M10	1.2	0.2	1.2	10	50	4		
TM-2RP-D1.2-R0.2-M12	1.2	0.2	1.2	12	50	4		

2刃深沟圆弧铣刀

2 flutes corner radius end mill with long neck and short cutting edge



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

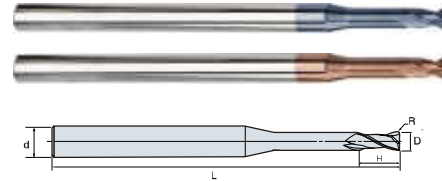
订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	常备库存 Stock available	按单生产 Make to order
TM-2RP-D1.2-R0.3-M04	1.2	0.3	1.2	4	50	4		
TM-2RP-D1.2-R0.3-M06	1.2	0.3	1.2	6	50	4		
TM-2RP-D1.2-R0.3-M08	1.2	0.3	1.2	8	50	4		
TM-2RP-D1.2-R0.3-M10	1.2	0.3	1.2	10	50	4		
TM-2RP-D1.2-R0.3-M12	1.2	0.3	1.2	12	50	4		
TM-2RP-D1.5-R0.1-M06	1.5	0.1	1.5	6	50	4		
TM-2RP-D1.5-R0.1-M08	1.5	0.1	1.5	8	50	4		
TM-2RP-D1.5-R0.1-M10	1.5	0.1	1.5	10	50	4		
TM-2RP-D1.5-R0.1-M12	1.5	0.1	1.5	12	50	4		
TM-2RP-D1.5-R0.1-M16	1.5	0.1	1.5	16	50	4		
TM-2RP-D1.5-R0.2-M06	1.5	0.2	1.5	6	50	4		
TM-2RP-D1.5-R0.2-M08	1.5	0.2	1.5	8	50	4		
TM-2RP-D1.5-R0.2-M10	1.5	0.2	1.5	10	50	4		
TM-2RP-D1.5-R0.2-M12	1.5	0.2	1.5	12	50	4		
TM-2RP-D1.5-R0.2-M16	1.5	0.2	1.5	16	50	4		
TM-2RP-D1.5-R0.3-M06	1.5	0.3	1.5	6	50	4		
TM-2RP-D1.5-R0.3-M08	1.5	0.3	1.5	8	50	4		
TM-2RP-D1.5-R0.3-M10	1.5	0.3	1.5	10	50	4		
TM-2RP-D1.5-R0.3-M12	1.5	0.3	1.5	12	50	4		
TM-2RP-D1.5-R0.3-M16	1.5	0.3	1.5	16	50	4		
TM-2RP-D1.5-R0.5-M06	1.5	0.5	1.5	6	50	4		
TM-2RP-D1.5-R0.5-M08	1.5	0.5	1.5	8	50	4		
TM-2RP-D1.5-R0.5-M10	1.5	0.5	1.5	10	50	4		
TM-2RP-D1.5-R0.5-M12	1.5	0.5	1.5	12	50	4		
TM-2RP-D1.5-R0.5-M16	1.5	0.5	1.5	16	50	4		
TM-2RP-D2-R0.1-M06	2.0	0.1	2.0	6	50	4		
TM-2RP-D2-R0.1-M08	2.0	0.1	2.0	8	50	4		
TM-2RP-D2-R0.1-M10	2.0	0.1	2.0	10	50	4		
TM-2RP-D2-R0.1-M12	2.0	0.1	2.0	12	50	4		
TM-2RP-D2-R0.1-M16	2.0	0.1	2.0	16	50	4		
TM-2RP-D2-R0.1-M20	2.0	0.1	2.0	20	50	4		
TM-2RP-D2-R0.1-M25	2.0	0.1	2.0	25	50	4		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2RP-D2-R0.2-M06	2.0	0.2	2.0	6	50	4	2		
TM-2RP-D2-R0.2-M08	2.0	0.2	2.0	8	50	4	2		
TM-2RP-D2-R0.2-M10	2.0	0.2	2.0	10	50	4	2		
TM-2RP-D2-R0.2-M12	2.0	0.2	2.0	12	50	4	2		
TM-2RP-D2-R0.2-M16	2.0	0.2	2.0	16	50	4	2		
TM-2RP-D2-R0.2-M20	2.0	0.2	2.0	20	50	4	2		
TM-2RP-D2-R0.2-M25	2.0	0.2	2.0	25	60	4	2		
TM-2RP-D2-R0.3-M06	2.0	0.3	2.0	6	50	4	2		
TM-2RP-D2-R0.3-M08	2.0	0.3	2.0	8	50	4	2		
TM-2RP-D2-R0.3-M10	2.0	0.3	2.0	10	50	4	2		
TM-2RP-D2-R0.3-M12	2.0	0.3	2.0	12	50	4	2		
TM-2RP-D2-R0.3-M16	2.0	0.3	2.0	16	50	4	2		
TM-2RP-D2-R0.3-M20	2.0	0.3	2.0	20	50	4	2		
TM-2RP-D2-R0.3-M25	2.0	0.3	2.0	25	60	4	2		
TM-2RP-D2-R0.5-M06	2.0	0.5	2.0	6	50	4	2		
TM-2RP-D2-R0.5-M08	2.0	0.5	2.0	8	50	4	2		
TM-2RP-D2-R0.5-M10	2.0	0.5	2.0	10	50	4	2		
TM-2RP-D2-R0.5-M12	2.0	0.5	2.0	12	50	4	2		
TM-2RP-D2-R0.5-M16	2.0	0.5	2.0	16	50	4	2		
TM-2RP-D2-R0.5-M20	2.0	0.5	2.0	20	50	4	2		
TM-2RP-D2-R0.5-M25	2.0	0.5	2.0	25	60	4	2		
TM-2RP-D2.5-R0.1-M10	2.5	0.1	2.5	10	50	4	2		
TM-2RP-D2.5-R0.1-M16	2.5	0.1	2.5	16	50	4	2		
TM-2RP-D2.5-R0.1-M20	2.5	0.1	2.5	20	50	4	2		
TM-2RP-D2.5-R0.1-M25	2.5	0.1	2.5	25	60	4	2		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-2RP-D2.5-R0.2-M10	2.5	0.2	2.5	10	50	4	2		
TM-2RP-D2.5-R0.2-M16	2.5	0.2	2.5	16	50	4	2		
TM-2RP-D2.5-R0.2-M20	2.5	0.2	2.5	20	50	4	2		
TM-2RP-D2.5-R0.2-M25	2.5	0.2	2.5	25	60	4	2		
TM-2RP-D2.5-R0.3-M10	2.5	0.3	2.5	10	50	4	2		
TM-2RP-D2.5-R0.3-M16	2.5	0.3	2.5	16	50	4	2		
TM-2RP-D2.5-R0.3-M20	2.5	0.3	2.5	20	50	4	2		
TM-2RP-D2.5-R0.3-M25	2.5	0.3	2.5	25	60	4	2		
TM-2RP-D2.5-R0.5-M10	2.5	0.5	2.5	10	50	4	2		
TM-2RP-D2.5-R0.5-M16	2.5	0.5	2.5	16	50	4	2		
TM-2RP-D2.5-R0.5-M20	2.5	0.5	2.5	20	50	4	2		
TM-2RP-D2.5-R0.5-M25	2.5	0.5	2.5	25	50	4	2		
TM-2RP-D3-R0.1-M10	3.0	0.1	3.0	10	50	6	2		
TM-2RP-D3-R0.1-M16	3.0	0.1	3.0	16	60	6	2		
TM-2RP-D3-R0.1-M20	3.0	0.1	3.0	20	60	6	2		
TM-2RP-D3-R0.1-M25	3.0	0.1	3.0	25	60	6	2		
TM-2RP-D3-R0.1-M30	3.0	0.1	3.0	30	75	6	2		
TM-2RP-D3-R0.1-M35	3.0	0.1	3.0	35	75	6	2		
TM-2RP-D3-R0.2-M10	3.0	0.2	3.0	10	50	6	2		
TM-2RP-D3-R0.2-M16	3.0	0.2	3.0	16	60	6	2		
TM-2RP-D3-R0.2-M20	3.0	0.2	3.0	20	60	6	2		
TM-2RP-D3-R0.2-M25	3.0	0.2	3.0	25	60	6	2		
TM-2RP-D3-R0.2-M30	3.0	0.2	3.0	30	75	6	2		
TM-2RP-D3-R0.2-M35	3.0	0.2	3.0	35	75	6	2		
TM-2RP-D3-R0.3-M10	3.0	0.3	3.0	10	50	6	2		
TM-2RP-D3-R0.3-M16	3.0	0.3	3.0	16	60	6	2		
TM-2RP-D3-R0.3-M20	3.0	0.3	3.0	20	60	6	2		
TM-2RP-D3-R0.3-M25	3.0	0.3	3.0	25	60	6	2		
TM-2RP-D3-R0.3-M30	3.0	0.3	3.0	30	75	6	2		
TM-2RP-D3-R0.3-M35	3.0	0.3	3.0	35	75	6	2		

2刃深沟圆弧铣刀

2 flutes corner radius end mill with long neck and short cutting edge



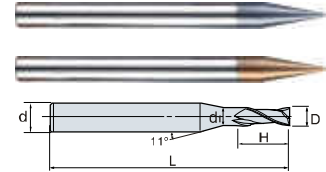
MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-2RP-D3-R0.5-M10	3.0	0.5	3.0	10	50	6	2		
TM-2RP-D3-R0.5-M16	3.0	0.5	3.0	16	60	6	2		
TM-2RP-D3-R0.5-M20	3.0	0.5	3.0	20	60	6	2		
TM-2RP-D3-R0.5-M25	3.0	0.5	3.0	25	60	6	2		
TM-2RP-D3-R0.5-M30	3.0	0.5	3.0	30	75	6	2		
TM-2RP-D3-R0.5-M35	3.0	0.5	3.0	35	75	6	2		
TM-2RP-D3-R1-M10	3.0	1.0	3.0	10	50	6	2		
TM-2RP-D3-R1-M16	3.0	1.0	3.0	16	60	6	2		
TM-2RP-D3-R1-M20	3.0	1.0	3.0	20	60	6	2		
TM-2RP-D3-R1-M25	3.0	1.0	3.0	25	60	6	2		
TM-2RP-D3-R1-M30	3.0	1.0	3.0	30	75	6	2		
TM-2RP-D3-R1-M35	3.0	1.0	3.0	35	75	6	2		
TM-2RP-D4-R0.1-M13	4.0	0.1	4.0	13	50	6	2		
TM-2RP-D4-R0.1-M16	4.0	0.1	4.0	16	60	6	2		
TM-2RP-D4-R0.1-M20	4.0	0.1	4.0	20	60	6	2		
TM-2RP-D4-R0.1-M25	4.0	0.1	4.0	25	60	6	2		
TM-2RP-D4-R0.1-M30	4.0	0.1	4.0	30	75	6	2		
TM-2RP-D4-R0.1-M35	4.0	0.1	4.0	35	75	6	2		
TM-2RP-D4-R0.2-M13	4.0	0.2	4.0	13	50	6	2		
TM-2RP-D4-R0.2-M16	4.0	0.2	4.0	16	60	6	2		
TM-2RP-D4-R0.2-M20	4.0	0.2	4.0	20	60	6	2		
TM-2RP-D4-R0.2-M25	4.0	0.2	4.0	25	60	6	2		
TM-2RP-D4-R0.2-M30	4.0	0.2	4.0	30	75	6	2		
TM-2RP-D4-R0.2-M35	4.0	0.2	4.0	35	75	6	2		
TM-2RP-D4-R0.3-M13	4.0	0.3	4.0	13	50	6	2		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-2RP-D4-R0.3-M16	4.0	0.3	4.0	16	60	4	2		
TM-2RP-D4-R0.3-M20	4.0	0.3	4.0	20	60	4	2		
TM-2RP-D4-R0.3-M25	4.0	0.3	4.0	25	60	4	2		
TM-2RP-D4-R0.3-M30	4.0	0.3	4.0	30	75	4	2		
TM-2RP-D4-R0.3-M35	4.0	0.3	4.0	35	75	4	2		
TM-2RP-D4-R0.5-M13	4.0	0.5	4.0	13	50	4	2		
TM-2RP-D4-R0.5-M16	4.0	0.5	4.0	16	60	4	2		
TM-2RP-D4-R0.5-M20	4.0	0.5	4.0	20	60	4	2		
TM-2RP-D4-R0.5-M25	4.0	0.5	4.0	25	60	4	2		
TM-2RP-D4-R0.5-M30	4.0	0.5	4.0	30	75	4	2		
TM-2RP-D4-R0.5-M35	4.0	0.5	4.0	35	75	4	2		
TM-2RP-D4-R1-M13	4.0	1.0	4.0	13	50	4	2		
TM-2RP-D4-R1-M16	4.0	1.0	4.0	16	60	6	2		
TM-2RP-D4-R1-M20	4.0	1.0	4.0	20	60	6	2		
TM-2RP-D4-R1-M25	4.0	1.0	4.0	25	60	6	2		
TM-2RP-D4-R1-M30	4.0	1.0	4.0	30	75	6	2		
TM-2RP-D4-R1-M35	4.0	1.0	4.0	35	75	6	2		
TM-2RP-D5-R0.1-M16	5.0	0.1	5.0	16	60	6	2		
TM-2RP-D5-R0.1-M30	5.0	0.1	5.0	30	60	6	2		
TM-2RP-D5-R0.2-M16	5.0	0.2	5.0	16	60	6	2		
TM-2RP-D5-R0.2-M30	5.0	0.2	5.0	30	60	6	2		
TM-2RP-D5-R0.3-M16	5.0	0.3	5.0	16	60	6	2		
TM-2RP-D5-R0.3-M30	5.0	0.3	5.0	30	60	6	2		
TM-2RP-D5-R0.5-M16	5.0	0.5	5.0	16	60	6	2		
TM-2RP-D5-R0.5-M30	5.0	0.5	5.0	30	60	6	2		
TM-2RP-D5-R1-M16	5.0	1.0	5.0	16	60	6	2		
TM-2RP-D5-R1-M30	5.0	1.0	5.0	30	60	6	2		

2刃微小径平底铣刀

2 flutes square end mills with micro diameter



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
TM-2ES-D0.2	0.2	0.4	50	3	2		
TM-2ES-D0.3	0.3	0.6	50	3	2		
TM-2ES-D0.4	0.4	0.8	50	3	2		
TM-2ES-D0.5	0.5	1	50	3	2		
TM-2ES-D0.6	0.6	1.2	50	3	2		
TM-2ES-D0.7	0.7	1.4	50	3	2		
TM-2ES-D0.8	0.8	1.6	50	3	2		
TM-2ES-D0.9	0.9	1.8	50	3	2		
TM-2ES-D0.2	0.2	0.4	50	4	2		
TM-2ES-D0.3	0.3	0.6	50	4	2		
TM-2ES-D0.4	0.4	0.8	50	4	2		
TM-2ES-D0.5	0.5	1	50	4	2		
TM-2ES-D0.6	0.6	1.2	50	4	2		
TM-2ES-D0.7	0.7	1.4	50	4	2		
TM-2ES-D0.8	0.8	1.6	50	4	2		
TM-2ES-D0.9	0.9	1.8	50	4	2		

被削材质 Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

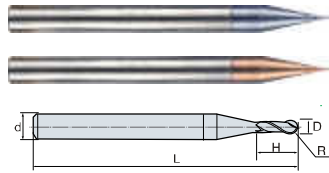
公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ0.2~Φ0.95	0~-0.02	-0.002~-0.008

2刃微小径球头铣刀 2 flutes ball nose end mill with micro diameter



MG 0.6 μm CO10% HRC-55 AITINL HRC-58 AITINS



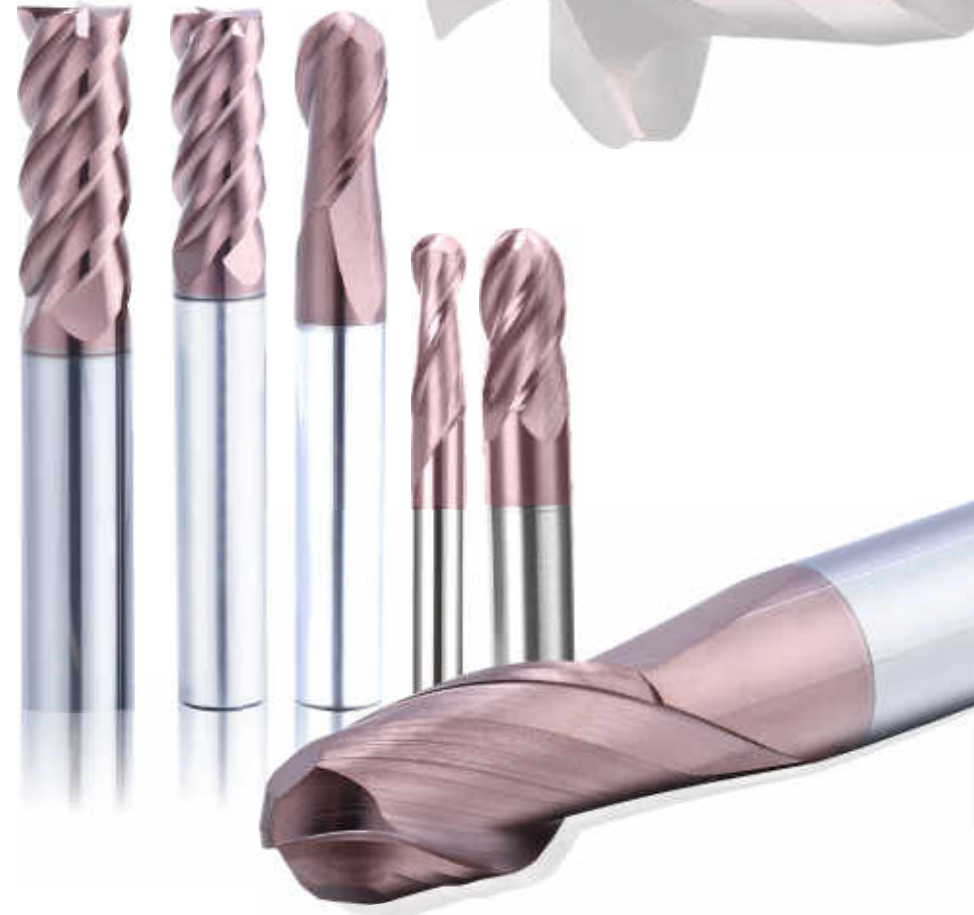
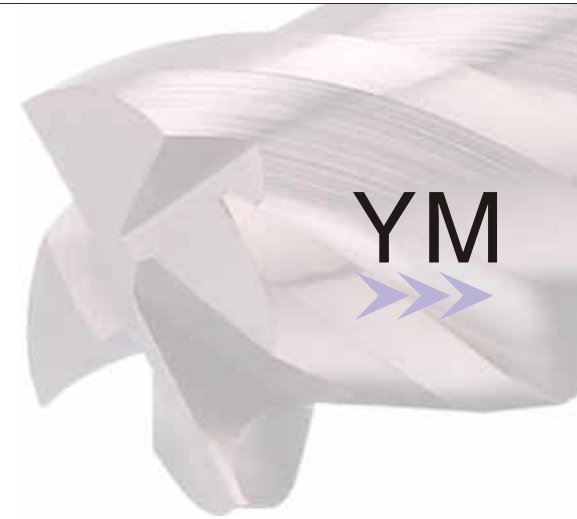
订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
TM-2BS-R0.15	0.3	0.15	0.6	50	3	2		
TM-2BS-R0.2	0.4	0.2	0.8	50	3	2		
TM-2BS-R0.25	0.5	0.25	1	50	3	2		
TM-2BS-R0.3	0.6	0.3	1.2	50	3	2		
TM-2BS-R0.35	0.7	0.35	1.4	50	3	2		
TM-2BS-R0.4	0.8	0.4	1.6	50	3	2		
TM-2BS-R0.45	0.9	0.45	1.8	50	4	2		
TM-2BS-R0.15	0.3	0.15	0.6	50	4	2		
TM-2BS-R0.2	0.4	0.2	0.8	50	4	2		
TM-2BS-R0.25	0.5	0.25	1	50	4	2		
TM-2BS-R0.3	0.6	0.3	1.2	50	4	2		
TM-2BS-R0.35	0.7	0.35	1.4	50	4	2		
TM-2BS-R0.4	0.8	0.4	1.6	50	4	2		
TM-2BS-R0.45	0.9	0.45	1.8	50	4	2		

■ 被削材质 Work material

TM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

■ 公差 Tolerances

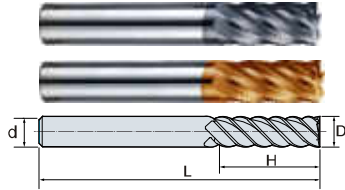
刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ0.3~Φ0.9	0~-0.02	-0.002~-0.008



标准柄6刃平头铣刀 6 flutes square end mill



UMG 0.5µm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-6E-D4	4.0	11	50	6	6		
YM-6E-D5	5.0	13	50	6	6		
YM-6E-D6	6.0	15	50	6	6		
YM-6E-D8	8.0	20	60	8	6		
YM-6E-D10	10.0	25	75	10	6		
YM-6E-D12	12.0	30	75	12	6		
YM-6E-D16	16.0	40	100	16	6		
YM-6E-D20	20.0	40	100	20	6		
YM-6E-D25	25.0	45	100	25	6		

被削材质 Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

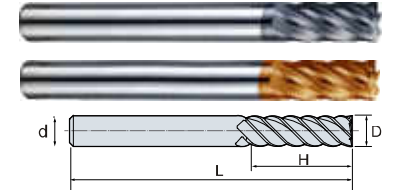
公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ4.0~Φ6.4	-0.01~-0.03	H6
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

长柄6刃平头铣刀 6 flutes square end mill with long shank



MG 0.6µm CO10% HRC-55 AITINL HRC-58 AITINS



订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-6E-D4	4.0	16	75	6	6		
YM-6E-D5	5.0	20	75	6	6		
YM-6E-D6	6.0	25	75	6	6		
YM-6E-D8	8.0	30	75	8	6		
YM-6E-D4	4.0	20	100	6	6		
YM-6E-D5	5.0	25	100	6	6		
YM-6E-D6	6.0	30	100	6	6		
YM-6E-D8	8.0	35	100	8	6		
YM-6E-D10	10.0	40	100	10	6		
YM-6E-D12	12.0	45	100	12	6		
YM-6E-D8	8.0	50	150	8	6		
YM-6E-D10	10.0	50	150	10	6		
YM-6E-D12	12.0	50	150	12	6		
YM-6E-D16	16.0	70	150	16	6		
YM-6E-D20	20.0	70	150	20	6		
YM-6E-D25	25.0	80	150	25	6		

被削材质 Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

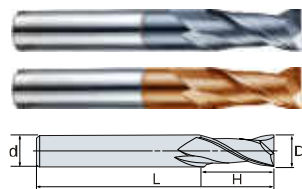
公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ4.0~Φ6.4	-0.01~-0.03	H6
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

标准柄2刃平头铣刀 2 flutes square end mill



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-2E-D1S	1.0	3	50	4	2		
YM-2E-D1.5S	1.5	4	50	4	2		
YM-2E-D2S	2.0	6	50	4	2		
YM-2E-D2.5S	2.5	7	50	4	2		
YM-2E-D3S	3.0	8	50	4	2		
YM-2E-D3.5S	3.5	10	50	4	2		
YM-2E-D4S	4.0	11	50	4	2		
YM-2E-D1	1.0	3	50	6	2		
YM-2E-D1.5	1.5	4	50	6	2		
YM-2E-D2	2.0	6	50	6	2		
YM-2E-D2.5	2.5	7	50	6	2		
YM-2E-D3	3.0	8	50	6	2		
YM-2E-D3.5	3.5	10	50	6	2		
YM-2E-D4	4.0	11	50	6	2		
YM-2E-D4.5	4.5	13	50	6	2		
YM-2E-D5	5.0	13	50	6	2		
YM-2E-D5.5	5.5	13	50	6	2		
YM-2E-D6	6.0	15	50	6	2		
YM-2E-D6.5	6.5	17	60	8	2		
YM-2E-D7	7.0	17	60	8	2		
YM-2E-D7.5	7.5	17	60	8	2		
YM-2E-D8	8.0	20	60	8	2		
YM-2E-D8.5	8.5	23	75	10	2		
YM-2E-D9	9.0	23	75	10	2		
YM-2E-D9.5	9.5	25	75	10	2		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-2E-D10	10.0	25	75	10	2		
YM-2E-D10.5	10.5	25	75	12	2		
YM-2E-D11	11.0	28	75	12	2		
YM-2E-D11.5	11.5	28	75	12	2		
YM-2E-D12	12.0	30	75	12	2		
YM-2E-D13	13.0	40	100	14	2		
YM-2E-D14	14.0	40	100	14	2		
YM-2E-D15	15.0	40	100	16	2		
YM-2E-D16	16.0	40	100	16	2		
YM-2E-D17	17.0	40	100	18	2		
YM-2E-D18	18.0	40	100	18	2		
YM-2E-D19	19.0	40	100	20	2		
YM-2E-D20	20.0	40	100	20	2		
YM-2E-D22	22.0	40	100	25	2		
YM-2E-D25	25.0	40	100	25	2		

被削材质 Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

R	R diameter tolerance
R	R ± 0.015

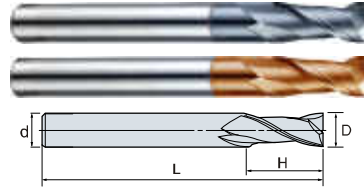
公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ4.0~Φ6.4	-0.01~-0.03	H6
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

长柄标准刃2刃平头铣刀 2 flutes square end mill with long shank



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-2EL-D1S	1.0	3	75	4	2		
YM-2EL-D1.5S	1.5	4.5	75	4	2		
YM-2EL-D2S	2.0	6	75	4	2		
YM-2EL-D2.5S	2.5	7	75	4	2		
YM-2EL-D3S	3.0	8	75	4	2		
YM-2EL-D3.5S	3.5	10	75	4	2		
YM-2EL-D4S	4.0	11	75	4	2		
YM-2EL-D4.5	4.5	13	75	6	2		
YM-2EL-D5	5.0	13	75	6	2		
YM-2EL-D5.5	5.5	13	75	6	2		
YM-2EL-D6	6.0	15	75	6	2		
YM-2EL-D6.5	6.5	17	75	8	2		
YM-2EL-D7	7.0	17	75	8	2		
YM-2EL-D7.5	7.5	17	75	8	2		
YM-2EL-D8	8.0	20	75	8	2		
YM-2EX-D3	3.0	8	100	6	2		
YM-2EX-D4	4.0	11	100	6	2		
YM-2EX-D5	5.0	13	100	6	2		
YM-2EX-D6	6.0	15	100	6	2		
YM-2EX-D7	7.0	17	100	8	2		
YM-2EX-D8	8.0	20	100	8	2		
YM-2EL-D9	9.0	23	100	10	2		
YM-2EL-D10	10.0	25	100	10	2		
YM-2EL-D11	11.0	28	100	12	2		
YM-2EL-D12	12.0	30	100	12	2		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-2EC-D8	8.0	20	150	8	2		
YM-2EX-D10	10.0	25	150	10	2		
YM-2EX-D12	12.0	30	150	12	2		
YM-2EL-D16	16.0	40	150	16	2		
YM-2EL-D18	18.0	40	150	18	2		
YM-2EL-D20	20.0	40	150	20	2		
YM-2EL-D16	16.0	40	200	16	2		
YM-2EL-D20	20.0	40	200	20	2		

被削材质

Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●
R		R diameter tolerance		
R		R ± 0.015		

公差

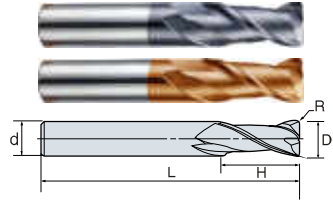
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

标准柄2刃圆弧铣刀 2 flutes corner radius end mill



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2R-D1-R0.2	1.0	0.2	3	50	4	2		
YM-2R-D1.5-R0.2	1.5	0.2	4	50	4	2		
YM-2R-D1.5-R0.5	1.5	0.5	4	50	4	2		
YM-2R-D2-R0.2	2.0	0.2	6	50	4	2		
YM-2R-D2-R0.5	2.0	0.5	6	50	4	2		
YM-2R-D2.5-R0.2	2.5	0.2	8	50	4	2		
YM-2R-D2.5-R0.5	2.5	0.5	8	50	4	2		
YM-2R-D3-R0.2	3.0	0.2	8	50	4	2		
YM-2R-D3-R0.5	3.0	0.5	8	50	4	2		
YM-2R-D3-R1	3.0	1.0	8	50	4	2		
YM-2R-D4-R0.2	4.0	0.2	11	50	4	2		
YM-2R-D4-R0.5	4.0	0.5	11	50	4	2		
YM-2R-D4-R1	4.0	1.0	11	50	4	2		
YM-2R-D5-R0.5	5.0	0.5	13	50	6	2		
YM-2R-D5-R1	5.0	1.0	13	50	6	2		
YM-2R-D6-R0.2	6.0	0.2	15	50	6	2		
YM-2R-D6-R0.5	6.0	0.5	15	50	6	2		
YM-2R-D6-R1	6.0	1.0	15	50	6	2		
YM-2R-D6-R1.5	6.0	1.5	15	50	6	2		
YM-2R-D6-R2	6.0	2.0	15	50	6	2		
YM-2R-D8-R0.5	8.0	0.5	20	60	8	2		
YM-2R-D8-R1	8.0	1.0	20	60	8	2		
YM-2R-D8-R1.5	8.0	1.5	20	60	8	2		
YM-2R-D8-R2	8.0	2.0	20	60	8	2		
YM-2R-D10-R0.5	10.0	0.5	25	75	10			

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2R-D10-R1	10.0	1.0	25	75	10	2		
YM-2R-D10-R1.5	10.0	1.5	25	75	10	2		
YM-2R-D10-R2	10.0	2.0	25	75	10	2		
YM-2R-D10-R2.5	10.0	2.5	25	75	10	2		
YM-2R-D10-R3	10.0	3.0	25	75	10	2		
YM-2R-D12-R0.5	12.0	0.5	30	75	12	2		
YM-2R-D12-R1	12.0	1.0	30	75	12	2		
YM-2R-D12-R1.5	12.0	1.5	30	75	12	2		
YM-2R-D12-R2	12.0	2.0	30	75	12	2		
YM-2R-D12-R2.5	12.0	2.5	30	75	12	2		
YM-2R-D12-R3	12.0	3.0	30	75	12	2		

被削材质

Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●
R		R diameter tolerance		
R		R ± 0.015		

公差

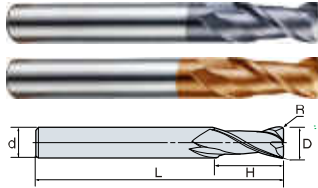
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

长柄2刃圆弧铣刀
2 flutes corner radius end mill with long shank



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



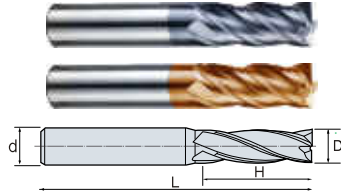
订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2RL-D1-R0.2	1.0	0.2	3	75	4	2		
YM-2RL-D1.5-R0.2	1.5	0.2	4	75	4	2		
YM-2RL-D1.5-R0.5	1.5	0.5	4	75	4	2		
YM-2RL-D2-R0.2	2.0	0.2	6	75	4	2		
YM-2RL-D2-R0.5	2.0	0.5	6	75	4	2		
YM-2RL-D2.5-R0.2	2.5	0.2	8	75	4	2		
YM-2RL-D2.5-R0.5	2.5	0.5	8	75	4	2		
YM-2RL-D3-R0.2	3.0	0.2	8	75	4	2		
YM-2RL-D3-R0.5	3.0	0.5	8	75	4	2		
YM-2RL-D3-R1	3.0	1.0	8	75	4	2		
YM-2RL-D4-R0.2	4.0	0.2	11	75	4	2		
YM-2RL-D4-R0.5	4.0	0.5	11	75	4	2		
YM-2RL-D4-R1	4.0	1.0	11	75	4	2		
YM-2RL-D5-R0.5	5.0	0.5	13	75	6	2		
YM-2RL-D5-R1	5.0	1.0	13	75	6	2		
YM-2RL-D6-R0.2	6.0	0.2	15	75	6	2		
YM-2RL-D6-R0.5	6.0	0.5	15	75	6	2		
YM-2RL-D6-R1	6.0	1.0	15	75	6	2		
YM-2RL-D6-R1.5	6.0	1.5	15	75	6	2		
YM-2RL-D6-R2	6.0	2.0	15	75	6	2		
YM-2RL-D8-R0.5	8.0	0.5	20	75	8	2		
YM-2RL-D8-R1	8.0	1.0	20	75	8	2		
YM-2RL-D8-R1.5	8.0	1.5	20	75	8	2		
YM-2RL-D8-R2	8.0	2.0	20	75	8	2		
YM-2RX-D4-R0.2	4.0	0.2	11	100	6	2		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2RX-D4-R0.5	4.0	0.5	11	100	6	2		
YM-2RX-D4-R1	4.0	1.0	11	100	6	2		
YM-2RX-D5-R0.5	5.0	0.5	13	100	6	2		
YM-2RX-D5-R1	5.0	1.0	13	100	6	2		
YM-2RX-D6-R0.2	6.0	0.2	15	100	6	2		
YM-2RX-D6-R0.5	6.0	0.5	15	100	6	2		
YM-2RX-D6-R1	6.0	1.0	15	100	6	2		
YM-2RX-D6-R1.5	6.0	1.5	15	100	6	2		
YM-2RX-D6-R2	6.0	2.0	15	100	6	2		
YM-2RX-D8-R0.5	8.0	0.5	20	100	8	2		
YM-2RX-D8-R1	8.0	1.0	20	100	8	2		
YM-2RX-D8-R1.5	8.0	1.5	20	100	8	2		
YM-2RX-D8-R2	8.0	2.0	20	100	8	2		
YM-2RL-D10-R0.5	10.0	0.5	25	100	10	2		
YM-2RL-D10-R1	10.0	1.0	25	100	10	2		
YM-2RL-D10-R1.5	10.0	1.5	25	100	10	2		
YM-2RL-D10-R2	10.0	2.0	25	100	10	2		
YM-2RL-D10-R2.5	10.0	2.5	25	100	10	2		
YM-2RL-D10-R3	10.0	3.0	25	100	10	2		
YM-2RL-D12-R0.5	12.0	0.5	30	100	12	2		
YM-2RL-D12-R1	12.0	1.0	30	100	12	2		
YM-2RL-D12-R1.5	12.0	1.5	30	100	12	2		
YM-2RL-D12-R2	12.0	2.0	30	100	12	2		
YM-2RL-D12-R2.5	12.0	2.5	30	100	12	2		
YM-2RL-D12-R3	12.0	3.0	30	100	12	2		

标准柄4刃平头铣刀 4 flutes square end mill



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-4E-D1S	1.0	3	50	4	4		
YM-4E-D1.5S	1.5	4.5	50	4	4		
YM-4E-D2S	2.0	6	50	4	4		
YM-4E-D2.5S	2.5	7	50	4	4		
YM-4E-D3S	3.0	8	50	4	4		
YM-4E-D3.5S	3.5	10	50	4	4		
YM-4E-D4S	4.0	11	50	4	4		
YM-4E-D4.5	4.5	13	50	6	4		
YM-4E-D5	5.0	13	50	6	4		
YM-4E-D5.5	5.5	13	50	6	4		
YM-4E-D6	6.0	15	50	6	4		
YM-4E-D6.5	6.5	17	60	8	4		
YM-4E-D7	7.0	17	60	8	4		
YM-4E-D7.5	7.5	17	60	8	4		
YM-4E-D8	8.0	20	60	8	4		
YM-4E-D8.5	8.5	23	75	10	4		
YM-4E-D9	9.0	23	75	10	4		
YM-4E-D9.5	9.5	25	75	10	4		
YM-4E-D10	10.0	25	75	10	4		
YM-4E-D10.5	10.5	25	75	12	4		
YM-4E-D11	11.0	28	75	12	4		
YM-4E-D11.5	11.5	28	75	12	4		
YM-4E-D12	12.0	30	75	12	4		
YM-4E-D13	13.0	33	100	14	4		
YM-4E-D14	14.0	35	100	14	4		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-4E-D15	15.0	38	100	16	4		
YM-4E-D16	16.0	40	100	16	4		
YM-4E-D17	17.0	40	100	18	4		
YM-4E-D18	18.0	40	100	18	4		
YM-4E-D19	19.0	40	100	20	4		
YM-4E-D20	20.0	40	100	20	4		
YM-4E-D22	22.0	40	100	25	4		
YM-4E-D25	25.0	40	100	25	4		

被削材质

Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差

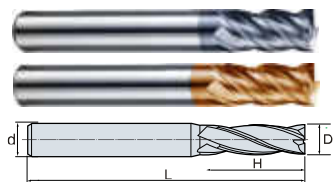
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

长柄标准刃4刃平头铣刀 4 flutes square end mill with long shank



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-4EL-D1S	1.0	3	75	4	4		
YM-4EL-D1.5S	1.5	4.5	75	4	4		
YM-4EL-D2S	2.0	6	75	4	4		
YM-4EL-D2.5S	2.5	7	75	4	4		
YM-4EL-D3S	3.0	8	75	4	4		
YM-4EL-D3.5S	3.5	10	75	4	4		
YM-4EL-D4S	4.0	11	75	4	4		
YM-4EL-D4.5	4.5	13	75	6	4		
YM-4EL-D5	5.0	13	75	6	4		
YM-4EL-D5.5	5.5	13	75	6	4		
YM-4EL-D6	6.0	15	75	6	4		
YM-4EL-D6.5	6.5	17	75	8	4		
YM-4EL-D7	7.0	17	75	8	4		
YM-4EL-D7.5	7.5	17	75	8	4		
YM-4EL-D8	8.0	20	75	8	4		
YM-4EX-D3	3.0	8	100	6	4		
YM-4EX-D4	4.0	11	100	6	4		
YM-4EX-D5	5.0	13	100	6	4		
YM-4EX-D6	6.0	15	100	6	4		
YM-4EX-D7	7.0	17	100	8	4		
YM-4EX-D8	8.0	20	100	8	4		
YM-4EL-D9	9.0	23	100	10	4		
YM-4EL-D10	10.0	25	100	10	4		
YM-4EL-D11	11.0	28	100	12	4		
YM-4EL-D12	12.0	30	100	12	4		

订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-4EC-D8	8.0	20	150	8	4		
YM-4EX-D10	10.0	25	150	10	4		
YM-4EL-D12	12.0	30	150	12	4		
YM-4EL-D16	16.0	40	150	16	4		
YM-4EL-D18	18.0	40	150	18	4		
YM-4EL-D20	20.0	40	150	20	4		
YM-4EL-D16	16.0	40	200	16	4		
YM-4EL-D20	20.0	40	200	20	4		

被削材质 Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

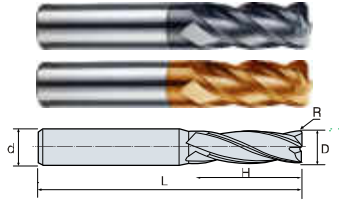
公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

标准柄4刃圆弧铣刀
4 flutes corner radius end mill



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-4R-D1-R0.2	1.0	0.2	3	50	4	4		
YM-4R-D1.5-R0.2	1.5	0.2	4	50	4	4		
YM-4R-D1.5-R0.5	1.5	0.5	4	50	4	4		
YM-4R-D2-R0.2	2.0	0.2	6	50	4	4		
YM-4R-D2-R0.5	2.0	0.5	6	50	4	4		
YM-4R-D2.5-R0.2	2.5	0.2	8	50	4	4		
YM-4R-D2.5-R0.5	2.5	0.5	8	50	4	4		
YM-4R-D3-R0.2	3.0	0.2	8	50	4	4		
YM-4R-D3-R0.5	3.0	0.5	8	50	4	4		
YM-4R-D3-R1	3.0	1.0	8	50	4	4		
YM-4R-D4-R0.2	4.0	0.2	11	50	4	4		
YM-4R-D4-R0.5	4.0	0.5	11	50	4	4		
YM-4R-D4-R1	4.0	1.0	11	50	4	4		
YM-4R-D5-R0.5	5.0	0.5	13	50	6	4		
YM-4R-D5-R1	5.0	1.0	13	50	6	4		
YM-4R-D6-R0.2	6.0	0.2	15	50	6	4		
YM-4R-D6-R0.5	6.0	0.5	15	50	6	4		
YM-4R-D6-R1	6.0	1.0	15	50	6	4		
YM-4R-D6-R1.5	6.0	1.5	15	50	6	4		
YM-4R-D6-R2	6.0	2.0	15	50	6	4		
YM-4R-D8-R0.5	8.0	0.5	20	60	8	4		
YM-4R-D8-R1	8.0	1.0	20	60	8	4		
YM-4R-D8-R1.5	8.0	1.5	20	60	8	4		
YM-4R-D8-R2	8.0	2.0	20	60	8	4		
YM-4R-D10-R0.5	10.0	0.5	25	75	10	4		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-4R-D10-R1	10.0	1.0	25	75	10	4		
YM-4R-D10-R1.5	10.0	1.5	25	75	10	4		
YM-4R-D10-R2	10.0	2.0	25	75	10	4		
YM-4R-D10-R2.5	10.0	2.5	25	75	10	4		
YM-4R-D10-R3	10.0	3.0	25	75	10	4		
YM-4R-D12-R0.5	12.0	0.5	30	75	12	4		
YM-4R-D12-R1	12.0	1.0	30	75	12	4		
YM-4R-D12-R1.5	12.0	1.5	30	75	12	4		
YM-4R-D12-R2	12.0	2.0	30	75	12	4		
YM-4R-D12-R2.5	12.0	2.5	30	75	12	4		
YM-4R-D12-R3	12.0	3.0	30	75	12	4		

被削材质

Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●
R		R diameter tolerance		
R		R ± 0.015		

公差

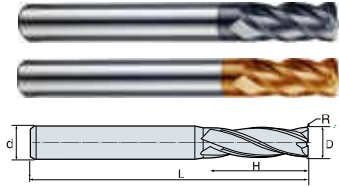
Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

长柄4刃圆弧铣刀 4 flutes corner radius end mill with long shank



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



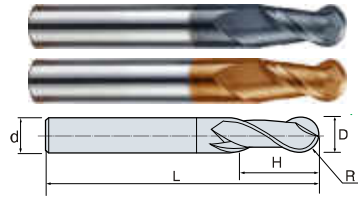
订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-4RL-D1-R0.2	1.0	0.2	3	75	4	4		
YM-4RL-D1.5-R0.2	1.5	0.2	4	75	4	4		
YM-4RL-D1.5-R0.5	1.5	0.5	4	75	4	4		
YM-4RL-D2-R0.2	2.0	0.2	6	75	4	4		
YM-4RL-D2-R0.5	2.0	0.5	6	75	4	4		
YM-4RL-D2.5-R0.2	2.5	0.2	8	75	4	4		
YM-4RL-D2.5-R0.5	2.5	0.5	8	75	4	4		
YM-4RL-D3-R0.2	3.0	0.2	8	75	4	4		
YM-4RL-D3-R0.5	3.0	0.5	8	75	4	4		
YM-4RL-D3-R1	3.0	1.0	8	75	4	4		
YM-4RL-D4-R0.2	4.0	0.2	11	75	4	4		
YM-4RL-D4-R0.5	4.0	0.5	11	75	4	4		
YM-4RL-D4-R1	4.0	1.0	11	75	4	4		
YM-4RL-D5-R0.5	5.0	0.5	13	75	6	4		
YM-4RL-D5-R1	5.0	1.0	13	75	6	4		
YM-4RL-D6-R0.2	6.0	0.2	15	75	6	4		
YM-4RL-D6-R0.5	6.0	0.5	15	75	6	4		
YM-4RL-D6-R1	6.0	1.0	15	75	6	4		
YM-4RL-D6-R1.5	6.0	1.5	15	75	6	4		
YM-4RL-D6-R2	6.0	2.0	15	75	6	4		
YM-4RL-D8-R0.5	8.0	0.5	20	75	8	4		
YM-4RL-D8-R1	8.0	1.0	20	75	8	4		
YM-4RL-D8-R1.5	8.0	1.5	20	75	8	4		
YM-4RL-D8-R2	8.0	2.0	20	75	8	4		
YM-4RX-D4-R0.2	4.0	0.2	11	100	6	4		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-4RX-D4-R0.5	4.0	0.5	11	100	6	4		
YM-4RX-D4-R1	4.0	1.0	11	100	6	4		
YM-4RX-D5-R0.5	5.0	0.5	13	100	6	4		
YM-4RX-D5-R1	5.0	1.0	13	100	6	4		
YM-4RX-D6-R0.2	6.0	0.2	15	100	6	4		
YM-4RX-D6-R0.5	6.0	0.5	15	100	6	4		
YM-4RX-D6-R1	6.0	1.0	15	100	6	4		
YM-4RX-D6-R1.5	6.0	1.5	15	100	6	4		
YM-4RX-D6-R2	6.0	2.0	15	100	6	4		
YM-4RX-D8-R0.5	8.0	0.5	20	100	8	4		
YM-4RX-D8-R1	8.0	1.0	20	100	8	4		
YM-4RX-D8-R1.5	8.0	1.5	20	100	8	4		
YM-4RX-D8-R2	8.0	2.0	20	100	8	4		
YM-4RL-D10-R0.5	10.0	0.5	25	100	10	4		
YM-4RL-D10-R1	10.0	1.0	25	100	10	4		
YM-4RL-D10-R1.5	10.0	1.5	25	100	10	4		
YM-4RL-D10-R2	10.0	2.0	25	100	10	4		
YM-4RL-D10-R2.5	10.0	2.5	25	100	10	4		
YM-4RL-D10-R3	10.0	3.0	25	100	10	4		
YM-4RL-D12-R0.5	12.0	0.5	30	100	12	4		
YM-4RL-D12-R1	12.0	1.0	30	100	12	4		
YM-4RL-D12-R1.5	12.0	1.5	30	100	12	4		
YM-4RL-D12-R2	12.0	2.0	30	100	12	4		
YM-4RL-D12-R2.5	12.0	2.5	30	100	12	4		
YM-4RL-D12-R3	12.0	3.0	30	100	12	4		

标准柄2刃球头铣刀 2 flutes ball nose end mill



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2B-R0.5S	1.0	0.50	2	50	4	2		
YM-2B-R0.75S	1.5	0.75	3	50	4	2		
YM-2B-R1S	2.0	1.00	4	50	4	2		
YM-2B-R1.25S	2.5	1.25	5	50	4	2		
YM-2B-R1.5S	3.0	1.50	6	50	4	2		
YM-2B-R1.75S	3.5	1.75	7	50	4	2		
YM-2B-R2S	4.0	2.00	8	50	4	2		
YM-2B-R0.5	1.0	0.50	2	60	6	2		
YM-2B-R0.75	1.5	0.75	3	60	6	2		
YM-2B-R1	2.0	1.00	4	60	6	2		
YM-2B-R1.25	2.5	1.25	5	60	6	2		
YM-2B-R1.5	3.0	1.50	6	60	6	2		
YM-2B-R1.75	3.5	1.75	7	60	6	2		
YM-2B-R2	4.0	2.00	8	60	6	2		
YM-2B-R2.25	4.5	2.25	9	60	6	2		
YM-2B-R2.5	5.0	2.50	10	60	6	2		
YM-2B-R2.75	5.5	2.75	11	60	6	2		
YM-2B-R3	6.0	3.00	12	60	6	2		
YM-2B-R3.25	6.5	3.25	13	60	8	2		
YM-2B-R3.5	7.0	3.50	14	60	8	2		
YM-2B-R3.75	7.5	3.75	15	60	8	2		
YM-2B-R4	8.0	4.00	16	60	8	2		
YM-2B-R4.5	9.0	4.50	18	75	10	2		
YM-2B-R5	10.0	5.00	20	75	10	2		
YM-2B-R6	12.0	6.00	24	75	12	2		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2B-R7	14.0	7.00	30	100	14	2		
YM-2B-R8	16.0	8.00	30	100	16	2		
YM-2B-R9	18.0	9.00	30	100	18	2		
YM-2B-R10	20.0	10.00	30	100	20	2		
YM-2B-R12.5	25.0	12.50	30	100	25	2		

被削材质 Work material

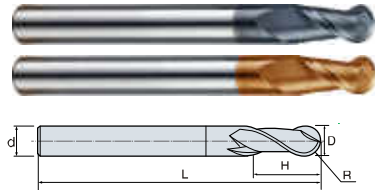
YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

R	R diameter tolerance
R	R ± 0.015

公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

长柄2刃球头铣刀 2 flutes ball nose end mill with long shank



UMG 0.5 μm CO10% HRC-60 AITINL AITINS

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2BL-R0.5S	1.0	0.50	2	75	4	2		
YM-2BL-R0.75S	1.5	0.75	3	75	4	2		
YM-2BL-R1S	2.0	1.00	4	75	4	2		
YM-2BL-R1.25S	2.5	1.25	5	75	4	2		
YM-2BL-R1.5S	3.0	1.50	6	75	4	2		
YM-2BL-R1.75S	3.5	1.75	7	75	4	2		
YM-2BL-R2S	4.0	2.00	8	75	4	2		
YM-2BL-R2.25	4.5	2.25	9	75	6	2		
YM-2BL-R2.5	5.0	2.50	10	75	6	2		
YM-2BL-R2.75	5.5	2.75	11	75	6	2		
YM-2BL-R3	6.0	3.00	12	75	6	2		
YM-2BL-R4	8.0	4.00	16	75	8	2		
YM-2BX-R0.5	1.0	0.50	2	100	6	2		
YM-2BX-R0.75	1.5	0.75	3	100	6	2		
YM-2BX-R1	2.0	1.00	4	100	6	2		
YM-2BX-R1.25	2.5	1.25	5	100	6	2		
YM-2BX-R1.5	3.0	1.50	6	100	6	2		
YM-2BX-R1.75	3.5	1.75	7	100	6	2		
YM-2BX-R2	4.0	2.00	8	100	6	2		
YM-2BX-R2.25	4.5	2.25	9	100	6	2		
YM-2BX-R2.5	5.0	2.50	10	100	6	2		
YM-2BX-R2.75	5.5	2.75	11	100	6	2		
YM-2BX-R3	6.0	3.00	12	100	6	2		
YM-2BX-R4	8.0	4.00	16	100	8	2		
YM-2BL-R5	10.0	5.00	20	100	10	2		

订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2BL-R6	12.0	6.00	24	100	12	2		
YM-2BC-R3	6.0	3.00	12	150	6	2		
YM-2BC-R4	8.0	4.00	16	150	8	2		
YM-2BX-R5	10.0	5.00	20	150	10	2		
YM-2BX-R6	12.0	6.00	24	150	12	2		
YM-2BL-R7	14.0	7.00	30	150	14	2		
YM-2BL-R8	16.0	8.00	30	150	16	2		
YM-2BL-R10	20.0	10.00	30	150	20	2		
YM-2BC-R5	10.0	5.00	20	200	10	2		
YM-2BC-R6	12.0	6.00	24	200	12	2		
YM-2BX-R7	14.0	7.00	30	200	14	2		
YM-2BX-R8	16.0	8.00	30	200	16	2		
YM-2BX-R10	20.0	10.00	30	200	20	2		

被削材质 Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

R	R diameter tolerance
R	R ± 0.015

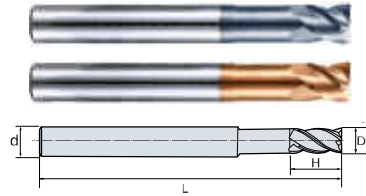
公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	柄部直径公差 Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

4刃平头短刃铣刀 4 flutes square end mill with short cutting edge



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	按单生产 Make to order
YM-4E(D)P-D1-M2.5	1.0	1.5	2.5	50	4	4		
YM-4E(D)P-D2-M5	2.0	3.0	5	50	4	4		
YM-4E(D)P-D3-M7.5	3.0	4.5	7.5	50	6	4		
YM-4E(D)P-D4-M10	4.0	6.0	10	50	6	4		
YM-4E(D)P-D5-M12.5	5.0	7.5	12.5	50	6	4		
YM-4E(D)P-D6-M15	6.0	9.0	15	50	6	4		
YM-4E(D)P-D8-M20	8.0	12.0	20	60	8	4		
YM-4E(D)P-D10-M25	10.0	15.0	25	75	10	4		
YM-4E(D)P-D12-M30	12.0	18.0	30	75	12	4		
YM-4E(D)P-D16-M40	16.0	24.0	40	100	16	4		
YM-4E(D)P-D20-M50	20.0	30.0	50	100	20	4		

被削材质 Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance
$\phi \leq 12.0$	0~-0.02
$\phi > 12.0$	0~-0.03

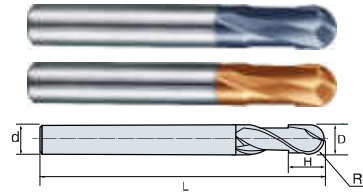
被切材质 Working material	Hardened steel 淬火钢	Hardened steel 淬火钢	Hardened steel 淬火钢
材质编码 Material code	SKT,SKD	SKT,SKD	SKT,SKD
硬度等级 Hardness grade	HRC 45	HRC 55	HRC 60
Vc	160M/min	150M/min	99M/min

直径 Diameter	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)
6MM	8,500	2,450	7,950	2,000	5,300	1,210
8MM	6,350	2,440	5,950	1,995	4,000	1,215
10MM	5,100	2,450	4,700	1,970	3,200	1,215
12MM	4,250	2,450	3,950	1,985	2,650	1,210
14MM	3,600	2,420	3,400	1,995	2,250	1,200
16MM	3,150	2,420	3,000	2,000	1,950	1,285
18MM	2,800	2,420	2,650	2,000	1,750	1,200
20MM	2,500	2,400	2,350	1,970	1,550	1,180
25MM	2,000	2,400	1,900	1,990	1,250	1,190

Milling amount (mm)	ap ae		ap ae		ap ae	
	1.0D	0.02D	1.0D	0.01D	1.0D	0.01D
	aeMax=0.2mm以下		aeMax=0.2mm以下		aeMax=0.2mm以下	

The feed & RPM may be changed depending on the M/C Conditions, Lubricating & Cooling systems.

2刃球头短刃铣刀 2 flutes ball nose end mill with short cutting edge



UMG 0.5 μm CO10% HRC-60 AITINL AITINS

订货型号 Ordering number	刀尖圆弧 The tool nose arc	刃径 Blade diameter	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-2B(D)P-R0.5-M2	0.50	1.0	1	2	50	4	2		
YM-2B(D)P-R0.75-M3	0.75	1.5	1.5	3	50	4	2		
YM-2B(D)P-R1-M4	1.00	2.0	2	4	50	6	2		
YM-2B(D)P-R1.5-M6	1.50	3.0	3	6	50	6	2		
YM-2B(D)P-R2-M8	2.00	4.0	4	8	50	6	2		
YM-2B(D)P-R2.5-M10	2.50	5.0	5	10	50	6	2		
YM-2B(D)P-R3-M12	3.00	6.0	6	12	50	6	2		
YM-2B(D)P-R4-M16	4.00	8.0	8	16	60	8	2		
YM-2B(D)P-R5-M20	5.00	10.0	10	20	75	10	2		
YM-2B(D)P-R6-M24	6.00	12.0	12	24	75	12	2		
YM-2B(D)P-R8-M32	8.00	16.0	16	32	100	16	2		

被削材质 Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差 Tolerances

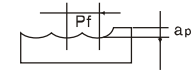
刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance
$\phi \leq 12.0$	$R \pm 0.01$
$\phi > 12.0$	$R \pm 0.015$

被切材质 Working material	Hardened steel 淬火钢	Hardened steel 淬火钢	Hardened steel 淬火钢
材质编码 Material code	SKT,SKD	SKT,SKD	SKT,SKD
硬度等级 Hardness grade	HRC 45	HRC 55	HRC 60
Vc	190M/min	175M/min	95M/min

直径 Diameter	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)
0.5R	32,000	960	30,000	850	25,500	500
1.0R	31,500	1,900	28,500	1,880	15,500	600
1.5R	21,000	2,080	19,000	1,880	10,500	625
2.0R	15,500	2,050	14,000	1,850	7,950	630
2.5R	12,500	2,060	11,000	1,815	6,350	630
3.0R	10,500	2,080	9,500	1,880	5,300	630
4.0R	7,950	1,550	7,150	1,400	3,950	470
5.0R	6,350	1,250	5,700	1,100	3,150	375
6.0R	5,300	1,050	4,750	950	2,650	315
8.0R	3,950	790	3,550	710	1,950	230

Milling amount (mm)

	a_p	Pf
$R \leq 8$	0.02D	0.1D
$R > 8$	0.32mm	0.1D

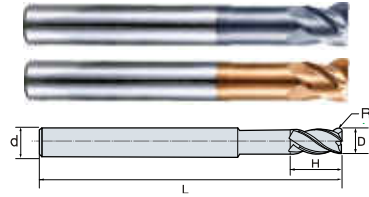


The feed & RPM may be changed depending on the M/C Conditions, Lubricating & Cooling systems.

4刃圆弧短刃铣刀 4 flutes corner radius end mill with short cutting edge



UMG 0.5 μm CO10% HRC-60 AITINL AITINS



订货型号 Ordering number	刃径 Blade diameter	刀尖圆弧 The tool nose arc	刃长 Blade length	颈长 Effective length	总长 Overall length	柄径 Shank Dia	刃数 Number of teeth	常备库存 Stock available	接单生产 Make to order
YM-4R(D)P-D3-R0.1-M7.5	3	0.1	3	7.5	50	6	4		
YM-4R(D)P-D3-R0.5-M7.5	3	0.5	3	7.5	50	6	4		
YM-4R(D)P-D4-R0.2-M10	4	0.2	4	10	50	6	4		
YM-4R(D)P-D4-R0.5-M10	4	0.5	4	10	50	6	4		
YM-4R(D)P-D5-R0.2-M12.5	5	0.2	5	12.5	50	6	4		
YM-4R(D)P-D5-R0.5-M12.5	5	0.5	5	12.5	50	6	4		
YM-4R(D)P-D6-R0.2-M15	6	0.2	6	15	50	6	4		
YM-4R(D)P-D6-R0.5-M15	6	0.5	6	15	50	6	4		
YM-4R(D)P-D6-R1-M15	6	1.0	6	15	50	6	4		
YM-4R(D)P-D8-R0.3-M20	8	0.3	8	20	60	8	4		
YM-4R(D)P-D8-R0.5-M20	8	0.5	8	20	60	8	4		
YM-4R(D)P-D8-R1-M20	8	1.0	8	20	60	8	4		
YM-4R(D)P-D8-R1.5-M20	8	1.5	8	20	60	8	4		
YM-4R(D)P-D10-R0.3-M25	10	0.3	10	25	75	10	4		
YM-4R(D)P-D10-R0.5-M25	10	0.5	10	25	75	10	4		
YM-4R(D)P-D10-R1-M25	10	1.0	10	25	75	10	4		
YM-4R(D)P-D10-R1.5-M25	10	1.5	10	25	75	10	4		
YM-4R(D)P-D10-R2-M25	10	2.0	10	25	75	10	4		
YM-4R(D)P-D12-R0.3-M30	12	0.3	12	30	75	12	4		
YM-4R(D)P-D12-R0.5-M30	12	0.5	12	30	75	12	4		
YM-4R(D)P-D12-R1-M30	12	1.0	12	30	75	12	4		
YM-4R(D)P-D12-R1.5-M30	12	1.5	12	30	75	12	4		
YM-4R(D)P-D12-R2-M30	12	2.0	12	30	75	12	4		

被削材质 Work material

YM				
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

公差 Tolerances

刃部直径 Blade diameter	刃部直径公差 Blade diameter tolerance	R	R diameter tolerance
$\Phi \leq 12.0$	0~-0.02	R	R ± 0.015
$\Phi > 12.0$	0~-0.03		

被切材质 Working material	Hardened steel 淬火钢	Hardened steel 淬火钢	Hardened steel 淬火钢
材质编码 Material code	SKT,SKD	SKT,SKD	SKT,SKD
硬度等级 Hardness grade	HRC 35	HRC 45	HRC 55
Vc	110M/min	95M/min	79M/min

直径 Diameter	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)
3MM	1,1800	1,150	10,000	830	8,400	500
4MM	8,800	1,070	7,600	780	6,300	460
5MM	7,000	990	6,000	730	5,000	420
6MM	5,900	910	5,000	660	4,200	400
8MM	4,400	830	3,800	610	3,200	400
10MM	3,500	830	3,000	610	2,550	400
12MM	2,900	830	2,500	610	2,100	400

Milling amount (mm)	aa		ar	
	D < Φ6	0.9D	0.01D	
Φ6 ≤ D	0.9D	0.02D		

The feed & RPM may be changed depending on the M/C Conditions, Lubricating & Cooling systems.