



APEX CARBIDE

# Solid Carbide End Mills

[www.apexcarbide.com](http://www.apexcarbide.com)



Jiangxi Apex Carbide Co., Ltd.

2025 version

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## Company profile

Jiangxi Apex Carbide Co.,Ltd has 3 factories with more than 500 workers, specialized in providing all kinds of high-quality cemented carbide products,mainly including carbide rods, carbide flats, carbide tools like saws blades, end mills,drills and reamers, and also all kinds of customized products with fast lead-time.

Jiangxi Apex Carbide Co.,Ltd has 5 production lines,and each line has very advanced production equipments,processing machine and inspection equipments.And for customized carbide products,we create new production mode, which 1 pieces order fastly,especially for products with hole or threaded hole,we have unparalleled price advantage compared with traditional production way.

Relying on the abundant tungsten resources of Jiangxi Province,whole tungsten industrial chain and world-leading tungsten carbide powder jointly by H.C. Starck,the performance of our products and technology has entered into the lead in China domestically with the advanced management and technique as well as the equipment.Our earliest factory -carbide rods factory- was established in 2006,with the fast development through the past 20 years,our annual capacity of cemented carbide rods has reach 2000 Tons.

We have experienced engineers & workers and very professional sales team,so we could provide stable & high-quality products and also super pre-sales and after-sale services to all our customers from all over the world.

## ADVANCED TECHNOLOGY INNOVATION SYSTEM

# 先进的科技创新体系

### 为用户提供完整的解决方案

#### Provide complete solutions

- 与多所重点高等院校和知名科研院所建有长期、稳定的技术合作。
- 在三大产业领域产品的工艺技术研究始终走在行业前列。致力于不断改进以提高产品性能。
- 确保在技术研发的投入每年持续增加，以实现技术上的领先优势。

Built long term and stable cooperation with famous universities and research institutes.

In the three major industrial areas, product technology research and development has always been in the forefront of the industry. Committed to continuously improve product performance.

Ensure annual increase in R & d investment to achieve technological leadership.



刀具铣削测试 Tool milling test



激光衍射粒度仪  
Laser diffraction particle size meter



扫描电子显微镜  
Scanning electron microscope



碳素测定仪及氧氮氢联测定仪  
Carbon meter and oxygen nitrogen hydrogen meter



影像式测绘仪  
Image mapper



外径激光检测机  
Outer diameter laser detector



电解制氢设备  
Electrolytic hydrogen production equipment



氢气还原设备  
Hydrogen reduction equipment



喷雾干燥塔  
Spray drying tower



全自动粉末压机  
Automatic powder press



733压力烧结炉  
Pressure sintering furnace

## STABLE, RELIABLE AND FAST RESPONSE

### 稳定可靠 快速响应

A complete manufacturing system which supported by advanced technology and equipments, profession experts and advanced quality system.

Relying on the advanced ERP system, We have achieved rapid response to the market and effective management of production.

Product stability and consistency, as well as customer expectations have been our unremitting pursuit

## STABLE AND RELIABLE MANUFACTURING SYSTEM

### 稳定可靠的制造体系

以先进工艺装备、高素质的专业人员和完善的质量保障体系为支撑的完整制造体系。

依托先进的ERP信息技术，实现制造系统的集成管理，确保了对市场的快速响应。

产品的稳定性和一致性，以及客户的各种期望一直是我们不懈的追求。



ROLLOMATIC自动化控制设备CNC620XS  
ROLLOMATIC automatic control device CNC620XS



ANCA工具磨床MX5  
ANCA tool grinder MX5



美国力可碳测定仪  
American carbon tester



氮氧分析仪  
Nitrogen oxygen analyzer



美国FEI扫描电镜  
FEI scanning electron microscope



显微镜  
The microscope



Zoller刀具检测仪  
Zoller tool tester



轮廓仪  
Zoller tool tester



激光外径检测仪  
Laser outer diameter detector



完善的质量保障体系  
 PERFECT QUALITY ASSURANCE SYSTEM

- 公司严格执行ISO9001:2015 的质量体系，公司推行全员质量责任制，确保持续高效为客户提供稳定、可靠的服务。
- 公司拥有完善的硬质合金理化性能检测仪器，其中英国马尔文激光粒度仪、美国麦克仪器公司氮吸附仪、美国力可氧氮测定仪、美国力可碳测定仪、美国 FEI 公司扫描电镜、日本理学 X 射线荧光光谱仪、德国 Foerster 矫顽磁力计、德国 Foerster 钴磁仪、Zoller 刀具检测仪等大型进口检测设备，在同行业中处于领先地位。

The company strictly implements the quality system of iso9001:2015, and implements the quality responsibility system for all employees to ensure the continuous and efficient provision of stable and reliable services for customers.

Company owns perfect carbide physical and chemical properties testing instrument, including the UK melvin laser granulometer, mike instrument companies in the United States nitrogen adsorption instrument, the oxygen nitrogen hydrogen tester, American forces can be carbon tester, scanning electron microscopy (sem) FEI, companies in the United States, Japan neo-confucianism X-ray fluorescence spectrometer, Germany Foerster coercive force meter, Germany Foerster cobalt magnetic instrument, Zoller tool machines and other large imported testing equipment, in the same industry in a leading position.



圆度仪  
 Roundness instrument



强度试验机  
 Strength tester



硬度计  
 Hardness tester

# END MILLS

## 铣刀

# B 整体硬质合金立铣刀

## SOLID CARBIDE END MILLS

- B2** | 整体硬质合金立铣刀命名规则  
Solid Carbide End Mills Code Key
- B3-B24** | APM系列,通用加工  
APGM Series For General Machining
- B25-B42** | APHP系列,高性能通用加工  
APHP Series For High Performance machining
- B43-B52** | APHH系列, 高硬度材料加工  
APHH Series For High Hardness Material Machining
- B53-B56** | APSS系列, 不锈钢专用  
APSS Series For Stainless Steel Machining
- B57-B62** | APAL系列, 铝加工  
APAL Series For Aluminum Machining

图标种类及识别 Graphics Category And Identificaton

■ 铣刀涂层 COATING OF END MILLS

<p>涂层 NaNo nACo5</p> <p>nACo5涂层 NaNo nACo5 coating</p>	<p>涂层 AlTiN</p> <p>AlTiN涂层 AlTiN coating</p>
<p>涂层 TiAlN</p> <p>TiAlN 涂层 TiAlN coating</p>	<p>涂层 H-Si</p> <p>H-Si涂层 H-Si coating</p>
<p>涂层 AlCrSiN</p> <p>AlCrSiN涂层 AlCrSiN coating</p>	<p>涂层 TiAlCrN</p> <p>TiAlCrN涂层 TiAlCrN coating</p>

■ 螺旋角 ■ 铣刀刃径公差 ■ 球头铣刀圆弧公差

HELICAL ANGLE CUTTING DIAMETER TOLERANCE RADIUS TOLERANCE OF BALL NOSE END MILLS

 <p>β为螺旋角: 30°, 45°, 55° β=helical angle: 30°, 45°, 55°</p>	 <p>铣刀刃径公差 Milling cutter edge diameter tolerance</p>	 <p>铣刀圆弧公差 Radius tolerance of ball nose end mills</p>
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■ 铣刀端齿类型 TYPE OF END MILLS

 <p>二刃平头铣刀 2 flute flat end mills</p>	 <p>四刃平头铣刀 4 flute flat end mills</p>
 <p>二刃球头铣刀 2 flute ball nose end mills</p>	 <p>四刃球头铣刀 4 flute ball nose end mills</p>
 <p>二刃圆弧铣刀 2 flute corner radius end mills</p>	 <p>四刃圆弧铣刀 4 flute corner radius end mills</p>
 <p>三刃平头铣刀 3 flute flat end mills</p>	 <p>六刃平头铣刀 6 flute flat end mills</p>

■ 加工形态 MACHINING OPERATION

 <p>平头铣刀侧面加工 Flat end mills for side machining</p>	
 <p>平头铣刀台阶加工 Flat end mills for shoulder machining</p>	 <p>平头铣刀直角槽加工 Flat end mills for straight slot machining</p>
 <p>平头铣刀深沟加工 Flat end mills for deep slot machining</p>	 <p>球头铣刀仿形加工 Ball nose end mills for profile machining</p>
 <p>球头铣刀型腔加工 Ball nose end mills for cavity machining</p>	 <p>球头铣刀槽加工 Ball nose end mills for slot machining</p>
 <p>球头铣刀深沟加工 Ball nose end mills for deep slot machining</p>	 <p>圆弧铣刀侧面加工 Corner radius end mills for side machining</p>
 <p>圆弧铣刀槽加工 Corner radius end mills for slot machining</p>	 <p>圆弧铣刀仿形加工 Corner radius end mills for profile machining</p>

# SOLID CARBIDE END MILLS

整体硬质合金立铣刀



# MILLING

## solid carbide end mills

### solid carbide end mills code key



1 应用分类 Application of classification	
APGM	通用加工系列 0-50HRC General Machining Series
APHP	高性能通用加工系列 0-55HRC High Performance General Machining Series
APHH	高硬度材料加工系列 0-68HRC High Hardness Material Machining Series
APSS	不锈钢专用系列 Stainless Machining Series
APAL	铝用专用系列 Aluminum Machining Series

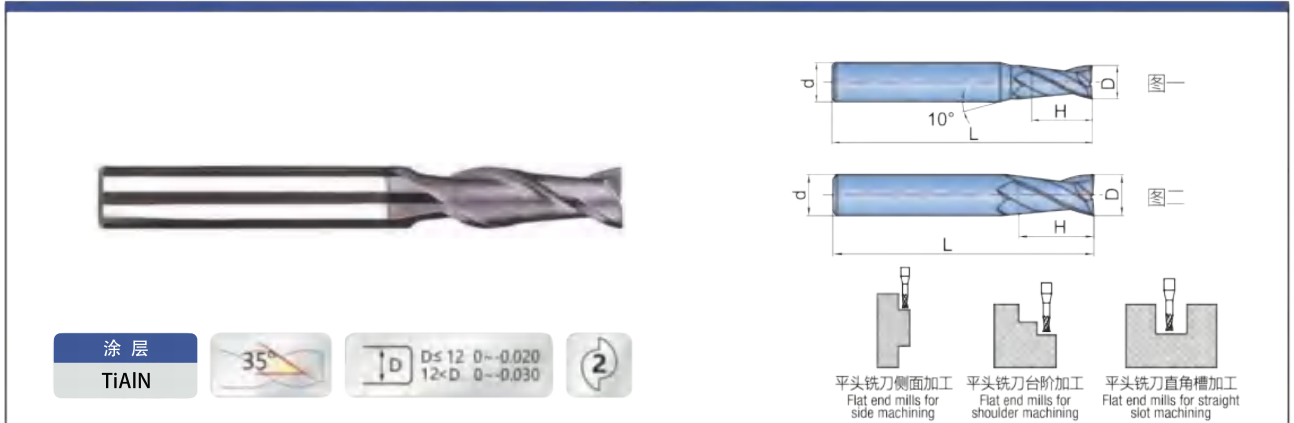
2 立铣刀刃数 Number of edge of end mill	
2	2 刃 2 FLUTE
3	3 刃 3 FLUTE
4	4 刃 4 FLUTE
6	6 刃 6 FLUTE

3 立铣刀类型 Type of end mill	
E&EL	平头铣刀 Square Head End Mill
B&BL	球头铣刀 Ball Nose End Mill
EP&BP	长颈铣刀 Long Neck End Mill
ES&BS	微径铣刀 Tiny Diameter End Mill
R&RL	圆角铣刀 Corner radius End mills
C	粗加工铣刀 Roughing End Mill

**4 切削直径**  
Cutting diameter

**5 柄径 (H) & 颈长 (M)**  
Shank Diameter(H) & neck length (M)

二刃，直柄，标准长，平头立铣刀  
2 flute, Straight shank, Standard length, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)		F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM2E-D1.0-H4	2	1.0	4	3	50	18010001001	★
APGM2E-D1.5-H4	2	1.5	4	4	50	18010001002	★
APGM2E-D2.0-H4	2	2.0	4	6	50	18010001003	★
APGM2E-D2.5-H4	2	2.5	4	8	50	18010001004	★
APGM2E-D3.0-H4	2	3.0	4	8	50	18010001005	★
APGM2E-D4.0-H4	2	4.0	4	11	50	18010001006	★
APGM2E-D1.0	2	1.0	6	3	50	18010001007	★
APGM2E-D1.5	2	1.5	6	4	50	18010001008	★
APGM2E-D2.0	2	2.0	6	6	50	18010001009	★
APGM2E-D2.5	2	2.5	6	8	50	18010001010	★
APGM2E-D3.0	2	3.0	6	8	50	18010001011	★
APGM2E-D3.5	2	3.5	6	10	50	18010001012	★
APGM2E-D4.0	2	4.0	6	11	50	18010001013	★
APGM2E-D4.5	2	4.5	6	11	50	18010001014	★
APGM2E-D5.0	2	5.0	6	13	50	18010001015	★
APGM2E-D5.5	2	5.5	6	16	50	18010001016	★
APGM2E-D6.0	2	6.0	6	16	50	18010001017	★
APGM2E-D7.0	2	7.0	8	20	60	18010001018	★
APGM2E-D8.0	2	8.0	8	20	60	18010001019	★
APGM2E-D9.0	2	9.0	10	22	75	18010001020	★
APGM2E-D10.0	2	10.0	10	25	75	18010001021	★
APGM2E-D11.0	2	11.0	12	26	75	18010001022	★
APGM2E-D12.0	2	12.0	12	30	75	18010001023	★
APGM2E-D14.0	2	14.0	14	32	100	18010001024	★
APGM2E-D16.0	2	16.0	16	45	100	18010001025	★
APGM2E-D18.0	2	18.0	18	45	100	18010001026	★
APGM2E-D20.0	2	20.0	20	45	100	18010001027	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 镍基合金 Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55HRC
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通用加工APGM系列 APGM Series For General Machining

二刃，直柄，加长，平头立铣刀  
2 flute, Straight shank, long type, Flat end mill

涂层  
TiAlN

35°

Ds 12 0--0.020  
12-D 0--0.030

2

平头铣刀侧面加工  
Flat end mills for side machining

平头铣刀台阶加工  
Flat end mills for shoulder machining

平头铣刀直角槽加工  
Flat end mills for straight slot machining

Item code 型号	Number of Flute 刃数	D(mm)		L(mm)		Order number 订单编号	Stock 库存
		cutting Dia 切削直径	d(mm) 柄径	F(mm) flute length 刃长	L(mm) overall length 总长		
APGM2EL-D3.0-H4	2	3.0	4	12	75	18010001028	★
APGM2EL-D4.0-H4	2	4.0	4	15	75	18010001029	★
APGM2EL-D3.0	2	3.0	6	12	75	18010001030	★
APGM2EL-D4.0	2	4.0	6	15	75	18010001031	★
APGM2EL-D5.0	2	5.0	6	20	75	18010001032	★
APGM2EL-D6.0	2	6.0	6	20	75	18010001033	★
APGM2EL-D8.0	2	8.0	8	25	75	18010001034	★
APGM2EL-D10.0	2	10.0	10	30	100	18010001035	★
APGM2EL-D12.0	2	12.0	12	35	100	18010001036	★
APGM2EL-D14.0	2	14.0	14	40	100	18010001037	★
APGM2EL-D16.0	2	16.0	16	50	150	18010001038	★
APGM2EL-D20.0	2	20.0	18	55	150	18010001039	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	S 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	H 高硬度55HRC以下 High hardness steel Below 55+HRC	H 高硬度55HRC以上 High hardness steel Above 55+HRC
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■ **三刃，直柄，标准长，平头立铣刀**  
**3 flute, Straight shank, Standard length, Flat end mill**



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM3E-D1.0-H4	3	1.0	4	3	50	18010001040	★
APGM3E-D1.5-H4	3	1.5	4	4	50	18010001041	★
APGM3E-D2.0-H4	3	2.0	4	6	50	18010001042	★
APGM3E-D2.5-H4	3	2.5	4	8	50	18010001043	★
APGM3E-D3.0-H4	3	3.0	4	8	50	18010001044	★
APGM3E-D4.0-H4	3	4.0	4	11	50	18010001045	★
APGM3E-D1.0	3	1.0	6	3	50	18010001046	★
APGM3E-D1.5	3	1.5	6	4	50	18010001047	★
APGM3E-D2.0	3	2.0	6	6	50	18010001048	★
APGM3E-D2.5	3	2.5	6	8	50	18010001049	★
APGM3E-D3.0	3	3.0	6	8	50	18010001050	★
APGM3E-D3.5	3	3.5	6	10	50	18010001051	★
APGM3E-D4.0	3	4.0	6	11	50	18010001052	★
APGM3E-D4.5	3	4.5	6	11	50	18010001053	★
APGM3E-D5.0	3	5.0	6	13	50	18010001054	★
APGM3E-D5.0	3	5.5	6	16	50	18010001055	★
APGM3E-D6.0	3	6.0	6	16	50	18010001056	★
APGM3E-D7.0	3	7.0	8	20	60	18010001057	★
APGM3E-D8.0	3	8.0	8	20	60	18010001058	★
APGM3E-D9.0	3	9.0	10	22	75	18010001059	★
APGM3E-D10.0	3	10.0	10	25	75	18010001060	★
APGM3E-D11.0	3	11.0	12	26	75	18010001061	★
APGM3E-D12.0	3	12.0	12	30	75	18010001062	★
APGM3E-D14.0	3	14.0	14	32	100	18010001063	★
APGM3E-D16.0	3	16.0	16	45	100	18010001064	★
APGM3E-D18.0	3	18.0	18	45	100	18010001065	★
APGM3E-D20.0	3	20.0	20	45	100	18010001066	★


★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ **推荐被加工材料 RECOMMENDED MACHINING MATERIAL**    ★ 非常适合 very suitable    ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SSHRCL以下 High hardness steel Below SS-HRC	<b>H</b> 高硬度SSHRCL以上 High hardness steel Above SS-HRC
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通用加工APGM系列 APGM Series For General Machining

■ 三刃，直柄，加长，平头立铣刀  
3 flute, Straight shank, long type, Flat end mill



涂层  
TiAlN

45°

Ds 12 0--0.020  
12<D 0--0.030

3

平头铣刀侧面加工  
Flat end mills for side machining

平头铣刀台阶加工  
Flat end mills for shoulder machining

平头铣刀直角槽加工  
Flat end mills for straight slot machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM3EL-D3.0-H4	3	3.0	4	12	75	18010001067	★
APGM3EL-D4.0-H4	3	4.0	4	15	75	18010001068	★
APGM3EL-D3.0	3	3.0	6	12	75	18010001069	★
APGM3EL-D4.0	3	4.0	6	15	75	18010001070	★
APGM3EL-D5.0	3	5.0	6	20	75	18010001071	★
APGM3EL-D6.0	3	6.0	6	20	75	18010001072	★
APGM3EL-D8.0	3	8.0	8	25	75	18010001073	★
APGM3EL-D10.0	3	10.0	10	30	100	18010001074	★
APGM3EL-D12.0	3	12.0	12	35	100	18010001075	★
APGM3EL-D14.0	3	14.0	14	40	100	18010001076	★
APGM3EL-D16.0	3	16.0	16	50	150	18010001077	★
APGM3EL-D20.0	3	20.0	18	55	150	18010001078	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	S 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	H 高硬度55HRC以下 High hardness steel Below 55HRC	H 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 四刃，直柄，标准长，平头立铣刀  
4 flute, Straight shank, Standard length, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM4E-D1.0-H4	4	1.0	4	3	50	18010001079	★
APGM4E-D1.5-H4	4	1.5	4	4	50	18010001080	★
APGM4E-D2.0-H4	4	2.0	4	6	50	18010001081	★
APGM4E-D2.5-H4	4	2.5	4	8	50	18010001082	★
APGM4E-D3.0-H4	4	3.0	4	8	50	18010001083	★
APGM4E-D4.0-H4	4	4.0	4	11	50	18010001084	★
APGM4E-D1.0	4	1.0	6	3	50	18010001085	★
APGM4E-D1.5	4	1.5	6	4	50	18010001086	★
APGM4E-D2.0	4	2.0	6	6	50	18010001087	★
APGM4E-D2.5	4	2.5	6	8	50	18010001088	★
APGM4E-D3.0	4	3.0	6	8	50	18010001089	★
APGM4E-D3.5	4	3.5	6	10	50	18010001090	★
APGM4E-D4.0	4	4.0	6	11	50	18010001091	★
APGM4E-D4.5	4	4.5	6	11	50	18010001092	★
APGM4E-D5.0	4	5.0	6	13	50	18010001093	★
APGM4E-D5.5	4	5.5	6	16	50	18010001094	★
APGM4E-D6.0	4	6.0	6	16	50	18010001095	★
APGM4E-D7.0	4	7.0	8	20	60	18010001096	★
APGM4E-D8.0	4	8.0	8	20	60	18010001097	★
APGM4E-D9.0	4	9.0	10	22	75	18010001098	★
APGM4E-D10.0	4	10.0	10	25	75	18010001099	★
APGM4E-D11.0	4	11.0	12	26	75	18010001100	★
APGM4E-D12.0	4	12.0	12	30	75	18010001101	★
APGM4E-D14.0	4	14.0	14	32	100	18010001102	★
APGM4E-D16.0	4	16.0	16	45	100	18010001103	★
APGM4E-D18.0	4	18.0	18	45	100	18010001104	★
APGM4E-D20.0	4	20.0	20	45	100	18010001105	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL    ★ 非常适合 very suitable    ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 锆合金 Titanium alloy	<b>H</b> 高硬度SS/HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度SS/HRC以上 High hardness steel Above 55HRC
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通用加工APGM系列 APGM Series For General Machining

■ 四刃，直柄，加长，平头立铣刀  
4 flute, Straight shank, long type, Flat end mill

涂层  
TiAlN

45°

Ds 12 0--0.020  
12-D 0--0.030

4

平头铣刀侧面加工  
Flat end mills for side machining

平头铣刀台阶加工  
Flat end mills for shoulder machining

平头铣刀直角槽加工  
Flat end mills for straight slot machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM4EL-D3.0-H4	4	3.0	4	12	75	18010001106	★
APGM4EL-D4.0-H4	4	4.0	4	15	75	18010001107	★
APGM4EL-D3.0	4	3.0	6	12	75	18010001108	★
APGM4EL-D4.0	4	4.0	6	15	75	18010001109	★
APGM4EL-D5.0	4	5.0	6	20	75	18010001110	★
APGM4EL-D6.0	4	6.0	6	20	75	18010001111	★
APGM4EL-D8.0	4	8.0	8	25	75	18010001112	★
APGM4EL-D10.0	4	10.0	10	30	100	18010001113	★
APGM4EL-D12.0	4	12.0	12	35	100	18010001114	★
APGM4EL-D14.0	4	14.0	14	40	100	18010001115	★
APGM4EL-D16.0	4	16.0	16	50	150	18010001116	★
APGM4EL-D20.0	4	20.0	18	55	150	18010001117	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	S 钛合金, 耐热合金 Titanium alloy	H 高硬度钢 55HRC以下 High hardness steel Below 55HRC	H 高硬度钢 55HRC以上 High hardness steel Above 55HRC
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六刃，直柄，平头立铣刀  
6 flute, Straight shank, Flat end mill

涂层  
TiAlN

45°

D D≤12 0~-0.020  
12<D 0~-0.030

6

Item code 型号	Number of Flute 刃数	D(mm) cutting Dia 切削直径	d(mm) shank Dia 柄径	F(mm) flute length 刃长	L(mm) overall length 总长	Order number 订单编号	Stock 库存
APGM6E-D6.0	6	6.0	6.0	16	60	18010001118	★
APGM6E-D8.0	6	8.0	8.0	20	60	18010001119	★
APGM6E-D10.0	6	10.0	10.0	30	75	18010001120	★
APGM6E-D12.0	6	12.0	12.0	32	75	18010001121	★
APGM6E-D16.0	6	16.0	16.0	40	100	18010001122	★
APGM6E-D20.0	6	20.0	20.0	45	100	18010001123	★
APGM6EL-D6.0	6	6.0	6.0	24	75	18010001124	☆
APGM6EL-D8.0	6	8.0	8.0	32	75	18010001125	☆
APGM6EL-D10.0	6	10.0	10.0	40	100	18010001126	☆
APGM6EL-D12.0	6	12.0	12.0	45	100	18010001127	☆
APGM6EL-D16.0	6	16.0	16.0	64	150	18010001128	☆
APGM6EL-D20.0	6	20.0	20.0	75	150	18010001129	☆

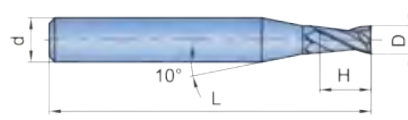
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

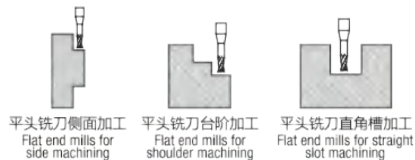
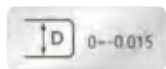
★ <b>P</b> 碳钢, 合金钢 Carbon steel	★ <b>P</b> 预硬钢 Pre-hardened steel	★ <b>M</b> 不锈钢 Stainless steel	★ <b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SSHRc以下 High hardness steel Below 52HRC	<b>H</b> 高硬度SSHRc以上 High hardness steel Above 52HRC
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通用加工APGM系列 APGM Series For General Machining

二刃，直柄，微小径，平头立铣刀  
2 flute, Straight shank, Tiny cutting diameter, Flat end mill



涂层  
TiAlN



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM2ES-D0.3	2	0.3	4	0.6	50	18010001130	☆
APGM2ES-D0.4	2	0.4	4	0.8	50	18010001131	☆
APGM2ES-D0.5	2	0.5	4	1.0	50	18010001132	☆
APGM2ES-D0.6	2	0.6	4	1.2	50	18010001133	☆
APGM2ES-D0.7	2	0.7	4	1.4	50	18010001134	☆
APGM2ES-D0.8	2	0.8	4	1.6	50	18010001135	☆
APGM2ES-D0.9	2	0.9	4	1.8	50	18010001136	☆
APGM2ES-D1.0	2	1.0	4	2.0	50	18010001137	☆
APGM2ES-D1.1	2	1.1	4	2.0	50	18010001138	☆
APGM2ES-D1.2	2	1.2	4	2.5	50	18010001139	☆
APGM2ES-D1.3	2	1.3	4	2.5	50	18010001140	☆
APGM2ES-D1.4	2	1.4	4	3.0	50	18010001141	☆
APGM2ES-D1.5	2	1.5	4	3.0	50	18010001142	☆
APGM2ES-D1.6	2	1.6	4	3.5	50	18010001143	☆
APGM2ES-D1.7	2	1.7	4	3.5	50	18010001144	☆
APGM2ES-D1.8	2	1.8	4	4.0	50	18010001145	☆
APGM2ES-D1.9	2	1.9	4	4.0	50	18010001146	☆
APGM2ES-D2.0	2	2.0	4	4.0	50	18010001147	☆
APGM2ES-D2.1	2	2.1	4	4.0	50	18010001148	☆
APGM2ES-D2.2	2	2.2	4	4.5	50	18010001149	☆
APGM2ES-D2.3	2	2.3	4	4.5	50	18010001150	☆
APGM2ES-D2.4	2	2.4	4	5.0	50	18010001151	☆
APGM2ES-D2.5	2	2.5	4	5.0	50	18010001152	☆
APGM2ES-D2.6	2	2.6	4	5.0	50	18010001153	☆
APGM2ES-D2.7	2	2.7	4	5.5	50	18010001154	☆
APGM2ES-D2.8	2	2.8	4	5.0	50	18010001155	☆
APGM2ES-D2.9	2	2.9	4	6.0	50	18010001156	☆
APGM2ES-D3.0	2	3.0	4	6.0	50	18010001157	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐钛合金 Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55HRC
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二刃，直柄，标准长，球头立铣刀

2 flute, Straight shank, Standard length, Ball nose end mill



涂层 TiAlN

35°

D ≤ 12 D<sub>-0.020</sub> 12 < D<sub>-0.030</sub>

R R ± 0.01

2

Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切割半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM2B-R0.5-H4	2	0.5	4	2	50	18010001158	★
APGM2B-R0.75-H4	2	0.75	4	3	50	18010001159	★
APGM2B-R1.0-H4	2	1.0	4	4	50	18010001160	★
APGM2B-R1.25-H4	2	1.25	4	5	50	18010001161	★
APGM2B-R1.5-H4	2	1.5	4	6	50	18010001162	★
APGM2B-R2.0-H4	2	2.0	4	8	50	18010001163	★
APGM2B-R0.5	2	0.5	6	2	50	18010001164	★
APGM2B-R0.75	2	0.75	6	3	50	18010001165	★
APGM2B-R1.0	2	1.0	6	4	50	18010001166	★
APGM2B-R1.25	2	1.25	6	5	50	18010001167	★
APGM2B-R1.5	2	1.5	6	6	50	18010001168	★
APGM2B-R1.75	2	1.75	6	8	50	18010001169	★
APGM2B-R2.0	2	2.0	6	8	50	18010001170	★
APGM2B-R2.5	2	2.5	6	10	50	18010001171	★
APGM2B-R2.75	2	2.75	6	12	50	18010001172	★
APGM2B-R3.0	2	3.0	6	12	50	18010001173	★
APGM2B-R3.5	2	3.5	8	14	60	18010001174	★
APGM2B-R4.0	2	4.0	8	16	60	18010001175	★
APGM2B-R4.5	2	4.5	10	18	75	18010001176	★
APGM2B-R5.0	2	5.0	10	20	75	18010001177	★
APGM2B-R6.0	2	6.0	12	24	75	18010001178	★
APGM2B-R7.0	2	7.0	14	28	75	18010001179	★
APGM2B-R8.0	2	8.0	16	32	100	18010001180	★
APGM2B-R9.0	2	9.0	18	36	100	18010001181	★
APGM2B-R10.0	2	10.0	20	40	100	18010001182	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

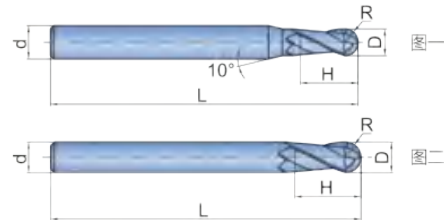
推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SS/HRC以下 High hardness steel Below 53HRC	<b>H</b> 高硬度SS/HRC以上 High hardness steel Above 53HRC
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通用加工APGM系列 APGM Series For General Machining

二刃，直柄，加长，球头立铣刀  
2 flute, Straight shank, long type, Ball nose end mill



涂层 TiAlN

35°

Ds 12 0--0.020  
12-D 0--0.030

R R±0.01

2



Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切割半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM2BL-R1.0	2	1.0	6	4	75	18010001183	☆
APGM2BL-R1.25	2	1.25	6	5	75	18010001184	☆
APGM2BL-R1.5	2	1.5	6	6	75	18010001185	☆
APGM2BL-R1.75	2	1.75	6	8	75	18010001186	☆
APGM2BL-R2.0	2	2.0	6	8	75	18010001187	☆
APGM2BL-R2.5	2	2.5	6	10	75	18010001188	☆
APGM2BL-R2.75	2	2.75	6	12	75	18010001189	☆
APGM2BL-R3.0	2	3.0	6	12	75	18010001190	☆
APGM2BL-R3.5	2	3.5	8	14	75	18010001191	☆
APGM2BL-R4.0	2	4.0	8	16	100	18010001192	☆
APGM2BL-R4.5	2	4.5	10	18	100	18010001193	☆
APGM2BL-R5.0	2	5.0	10	20	100	18010001194	☆
APGM2BL-R6.0	2	6.0	12	24	100	18010001195	☆
APGM2BL-R7.0	2	7.0	14	28	100	18010001196	☆
APGM2BL-R8.0	2	8.0	16	32	150	18010001197	☆
APGM2BL-R9.0	2	9.0	18	36	150	18010001198	☆
APGM2BL-R10.0	2	10.0	20	40	150	18010001199	☆


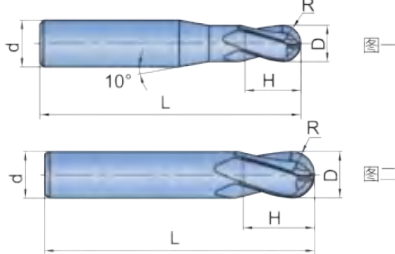
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order


推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	S 钛合金, 耐热合金 Titanium alloy	H 高硬度55HRC以下 High hardness steel Below 55HRC	H 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 四刃，直柄，球头立铣刀  
4 flute, Straight shank, Ball nose end mill



涂层  
TiAlN

35°

D ≤ 12 0--0.020  
12 < D 0--0.030

R R ± 0.01

4

Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切削半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM4B-R2.0	2	2.0	6	8	75	18010001200	☆
APGM4B-R2.5	2	2.5	6	10	75	18010001201	☆
APGM4B-R3.0	2	3.0	6	12	75	18010001202	☆
APGM4B-R4.0	2	4.0	8	16	100	18010001203	☆
APGM4B-R5.0	2	5.0	10	20	100	18010001204	☆
APGM4B-R6.0	2	6.0	12	24	100	18010001205	☆
APGM4B-R7.0	2	7.0	14	28	100	18010001206	☆
APGM4B-R8.0	2	8.0	16	32	150	18010001207	☆
APGM4B-R9.0	2	9.0	18	36	150	18010001208	☆
APGM4B-R10.0	2	10.0	20	40	150	18010001209	☆
APGM4BL-R2.0	2	2.0	6	8	75	18010001210	☆
APGM4BL-R2.5	2	2.5	6	10	75	18010001211	☆
APGM4BL-R3.0	2	3.0	6	12	75	18010001212	☆
APGM4BL-R4.0	2	4.0	8	16	100	18010001213	☆
APGM4BL-R5.0	2	5.0	10	20	100	18010001214	☆
APGM4BL-R6.0	2	6.0	12	24	100	18010001215	☆
APGM4BL-R7.0	2	7.0	14	28	100	18010001216	☆
APGM4BL-R8.0	2	8.0	16	32	150	18010001217	☆
APGM4BL-R9.0	2	9.0	18	36	150	18010001218	☆
APGM4BL-R10.0	2	10.0	20	40	150	18010001219	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

<p>★ <b>P</b></p> <p>碳钢, 合金钢 Carbon steel</p>	<p>★ <b>P</b></p> <p>预硬钢 Pre-hardened steel</p>	<p>☆ <b>M</b></p> <p>不锈钢 Stainless steel</p>	<p>★ <b>K</b></p> <p>铸铁 Cast iron</p>	<p>☆ <b>N</b></p> <p>铜合金 Copper alloy</p>	<p>☆ <b>N</b></p> <p>铝合金 Aluminum alloy</p>	<p>☆ <b>S</b></p> <p>钛合金, 耐热合金 Heat resistant alloy Titanium alloy</p>	<p>☆ <b>H</b></p> <p>高硬度SSHRc以下 High hardness steel Below SS1-HRC</p>	<p>☆ <b>H</b></p> <p>高硬度SSHRc以上 High hardness steel Above SS1-HRC</p>
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通用加工APGM系列 APGM Series For General Machining

■ 四刃，直柄，粗加工立铣刀  
4 flute, Straight shank, roughing end mill






涂层  
NaNo TiAlN



D ≤ 6 0~-0.048    6 < D ≤ 10 0~-0.058  
10 < D ≤ 18 0~-0.07    18 < D 0~-0.084



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APGM4C-D4.0	4	4.0	4	11	50	18010001220	★
APGM4C-D6.0	4	6.0	6	15	50	18010001221	★
APGM4C-D8.0	4	8.0	8	20	60	18010001222	★
APGM4C-D10.0	4	10.0	10	25	75	18010001223	★
APGM4C-D12.0	4	12.0	12	30	75	18010001224	★
APGM4C-D16.0	4	16.0	16	45	100	18010001225	★
APGM4C-D20.0	4	20.0	20	45	100	18010001226	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL    ★ 非常适合 very suitable    ☆ 适合 suitable

★ <b>P</b>	★ <b>P</b>	☆ <b>M</b>	★ <b>K</b>	★ <b>N</b>	★ <b>N</b>	★ <b>S</b>	★ <b>H</b>	★ <b>H</b>
碳钢, 合金钢 Carbon steel	预硬钢 Pre-hardened steel	不锈钢 Stainless steel	铸铁 Cast iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	高硬度SSHRc以下 High hardness steel Below 55HRC	高硬度SSHRc以上 High hardness steel Above 55HRC

■ 二刃，直柄，长颈，球头立铣刀  
2 flute, Straight shank, long neck, Ball nose end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	M(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	neck length 颈长	overall length 总长		
APGM2EP-D0.5-M04	2	0.5	4	0.7	4	50	18010001227	★
APGM2EP-D0.5-M06	2	0.5	4	0.7	6	50	18010001228	★
APGM2EP-D0.5-M08	2	0.5	4	0.7	8	50	18010001229	★
APGM2EP-D0.8-M04	2	0.8	4	1.2	4	50	18010001230	★
APGM2EP-D0.8-M06	2	0.8	4	1.2	6	50	18010001231	★
APGM2EP-D0.8-M08	2	0.8	4	1.2	8	50	18010001232	★
APGM2EP-D0.8-M10	2	0.8	4	1.2	10	50	18010001233	★
APGM2EP-D1.0-M04	2	1.0	4	1.5	4	50	18010001234	★
APGM2EP-D1.0-M06	2	1.0	4	1.5	6	50	18010001235	★
APGM2EP-D1.0-M08	2	1.0	4	1.5	8	50	18010001236	★
APGM2EP-D1.0-M10	2	1.0	4	1.5	10	50	18010001237	★
APGM2EP-D1.0-M12	2	1.0	4	1.5	12	50	18010001238	★
APGM2EP-D1.0-M14	2	1.0	4	1.5	14	50	18010001239	★
APGM2EP-D1.2-M06	2	1.2	4	1.8	6	50	18010001240	★
APGM2EP-D1.2-M08	2	1.2	4	1.8	8	50	18010001241	★
APGM2EP-D1.2-M10	2	1.2	4	1.8	10	50	18010001242	★
APGM2EP-D1.2-M12	2	1.2	4	1.8	12	50	18010001243	★
APGM2EP-D1.5-M06	2	1.5	4	2.3	6	50	18010001244	★
APGM2EP-D1.5-M08	2	1.5	4	2.3	8	50	18010001245	★
APGM2EP-D1.5-M10	2	1.5	4	2.3	10	50	18010001246	★
APGM2EP-D1.5-M12	2	1.5	4	2.3	12	50	18010001247	★
APGM2EP-D1.5-M14	2	1.5	4	2.3	14	50	18010001248	★
APGM2EP-D2.0-M06	2	2.0	4	3.0	6	50	18010001249	★
APGM2EP-D2.0-M08	2	2.0	4	3.0	8	50	18010001250	★
APGM2EP-D2.0-M10	2	2.0	4	3.0	10	50	18010001251	★
APGM2EP-D2.0-M12	2	2.0	4	3.0	12	50	18010001252	★
APGM2EP-D2.0-M14	2	2.0	4	3.0	14	50	18010001253	★
APGM2EP-D2.0-M16	2	2.0	4	3.0	16	50	18010001254	★

★ 常备库存 Running Stock    ★ 按订单生产 Make-to-order

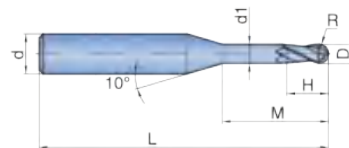
■ 推荐被加工材料 **RECOMMENDED MACHINING MATERIAL**    ★ 非常适合 very suitable    ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SSHRC以下 High hardness steel Below 53HRC	<b>H</b> 高硬度SSHRC以上 High hardness steel Above 53HRC
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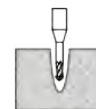
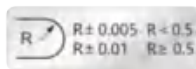
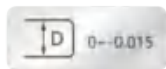
通用加工APGM系列 APGM Series For General Machining

二刃，直柄，长颈，球头立铣刀

2 flute, Straight shank, long neck, Ball nose end mill



涂层  
TiAlN



球头铣刀深沟加工  
Ball nose end mills for deep slot machining

Item code 型号	Number of Flute 刃数	D(mm) 切削直径	d(mm) 柄径	F(mm) 刃长	M(mm) 颈长	L(mm) 总长	Order number 订单编号	Stock 库存
APGM2EP-D2.5-M08	2	2.5	4	3.7	8	50	18010001255	☆
APGM2EP-D2.5-M10	2	2.5	4	3.7	10	50	18010001256	☆
APGM2EP-D2.5-M12	2	2.5	4	3.7	12	50	18010001257	☆
APGM2EP-D2.5-M14	2	2.5	4	3.7	14	50	18010001258	☆
APGM2EP-D2.5-M16	2	2.5	4	3.7	16	50	18010001259	☆
APGM2EP-D2.5-M18	2	2.5	4	3.7	18	50	18010001260	☆
APGM2EP-D2.5-M20	2	2.5	4	3.7	20	50	18010001261	☆
APGM2EP-D3.0-M06	2	3.0	6	4.5	6	60	18010001262	☆
APGM2EP-D3.0-M08	2	3.0	6	4.5	8	60	18010001263	☆
APGM2EP-D3.0-M10	2	3.0	6	4.5	10	60	18010001264	☆
APGM2EP-D3.0-M12	2	3.0	6	4.5	12	60	18010001265	☆
APGM2EP-D3.0-M14	2	3.0	6	4.5	14	60	18010001266	☆
APGM2EP-D3.0-M16	2	3.0	6	4.5	16	60	18010001267	☆
APGM2EP-D3.0-M18	2	3.0	6	4.5	18	60	18010001268	☆
APGM2EP-D3.0-M20	2	3.0	6	4.5	20	60	18010001269	☆
APGM2EP-D4.0-M12	2	4.0	6	6.0	12	60	18010001270	☆
APGM2EP-D4.0-M16	2	4.0	6	6.0	16	60	18010001271	☆
APGM2EP-D4.0-M20	2	4.0	6	6.0	20	60	18010001272	☆
APGM2EP-D4.0-M25	2	4.0	6	6.0	25	60	18010001273	☆
APGM2EP-D5.0-M16	2	5.0	6	7.5	16	75	18010001274	☆
APGM2EP-D5.0-M25	2	5.0	6	7.5	25	75	18010001275	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy, Heat resistant alloy	<b>H</b> 高硬度SS-HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度SS-HRC以上 High hardness steel Above 55HRC
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二刃，直柄，长颈，球头立铣刀  
2 flute, Straight shank, long neck, Ball nose end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	M(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	neck length 颈长	overall length 总长		
APGM2BP-R0.25-M04	2	0.25	4	0.7	4	50	18010001276	★
APGM2BP-R0.25-M06	2	0.25	4	0.7	6	50	18010001277	★
APGM2BP-R0.3-M04	2	0.3	4	0.9	4	50	18010001278	★
APGM2BP-R0.3-M06	2	0.3	4	0.9	6	50	18010001279	★
APGM2BP-R0.3-M08	2	0.3	4	0.9	8	50	18010001280	★
APGM2BP-R0.4-M04	2	0.4	4	1.2	4	50	18010001281	★
APGM2BP-R0.4-M06	2	0.4	4	1.2	6	50	18010001282	★
APGM2BP-R0.4-M08	2	0.4	4	1.2	8	50	18010001283	★
APGM2BP-R0.4-M10	2	0.4	4	1.2	10	50	18010001284	★
APGM2BP-R0.5-M04	2	0.5	4	1.5	4	50	18010001285	★
APGM2BP-R0.5-M06	2	0.5	4	1.5	6	50	18010001286	★
APGM2BP-R0.5-M08	2	0.5	4	1.5	8	50	18010001287	★
APGM2BP-R0.5-M10	2	0.5	4	1.5	10	50	18010001288	★
APGM2BP-R0.5-M12	2	0.5	4	1.5	12	50	18010001289	★
APGM2BP-R0.6-M06	2	0.6	4	1.8	6	50	18010001290	★
APGM2BP-R0.6-M08	2	0.6	4	1.8	8	50	18010001291	★
APGM2BP-R0.6-M10	2	0.6	4	1.8	10	50	18010001292	★
APGM2BP-R0.6-M12	2	0.6	4	1.8	12	50	18010001293	★
APGM2BP-R0.6-M16	2	0.6	4	1.8	16	50	18010001294	★
APGM2BP-R0.75-M08	2	0.75	4	2.3	8	50	18010001295	★
APGM2BP-R0.75-M12	2	0.75	4	2.3	12	50	18010001296	★
APGM2BP-R0.75-M16	2	0.75	4	2.3	16	50	18010001297	★
APGM2BP-R1.0-M06	2	1.0	4	3.0	6	50	18010001298	★
APGM2BP-R1.0-M08	2	1.0	4	3.0	8	50	18010001299	★
APGM2BP-R1.0-M10	2	1.0	4	3.0	10	50	18010001300	★
APGM2BP-R1.0-M12	2	1.0	4	3.0	12	50	18010001301	★
APGM2BP-R1.0-M16	2	1.0	4	3.0	16	50	18010001302	★
APGM2BP-R1.0-M20	2	1.0	4	3.0	20	50	18010001303	★

★ 常备库存 Running Stock    ★ 按订单生产 Make-to-order

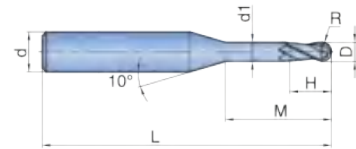
推荐被加工材料 RECOMMENDED MACHINING MATERIAL    ★ 非常适合 very suitable    ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	<b>H</b> 高硬度SS/HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度SS/HRC以上 High hardness steel Above 55HRC
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通用加工APGM系列 APGM Series For General Machining

二刃，直柄，长颈，球头立铣刀

2 flute, Straight shank, long neck, Ball nose end mill



涂层 TiAlN

35°

D  $D \pm 0.015$

R  $R \pm 0.005$   $R - 0.5$   
 $R \pm 0.01$   $R \pm 0.5$

2



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	M(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	neck length 颈长	overall length 总长		
APGM2BP-R1.25-M08	2	1.25	4	3.7	8	50	18010001304	☆
APGM2BP-R1.25-M12	2	1.25	4	3.7	12	50	18010001305	☆
APGM2BP-R1.25-M16	2	1.25	4	3.7	16	50	18010001306	☆
APGM2BP-R1.25-M20	2	1.25	4	3.7	20	50	18010001307	☆
APGM2BP-R1.5-M08	2	1.5	6	4.5	8	60	18010001308	☆
APGM2BP-R1.5-M10	2	1.5	6	4.5	10	60	18010001309	☆
APGM2BP-R1.5-M12	2	1.5	6	4.5	12	60	18010001310	☆
APGM2BP-R1.5-M16	2	1.5	6	4.5	16	60	18010001311	☆
APGM2BP-R1.5-M20	2	1.5	6	4.5	20	60	18010001312	☆
APGM2BP-R2.0-M10	2	2.0	6	6.0	10	60	18010001313	☆
APGM2BP-R2.0-M16	2	2.0	6	6.0	16	60	18010001314	☆
APGM2BP-R2.0-M20	2	2.0	6	6.0	20	60	18010001315	☆
APGM2BP-R2.0-M25	2	2.0	6	6.0	25	60	18010001316	☆
APGM2BP-R2.5-M16	2	2.5	6	7.5	16	60	18010001317	☆
APGM2BP-R2.5-M25	2	2.5	6	7.5	25	60	18010001318	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order


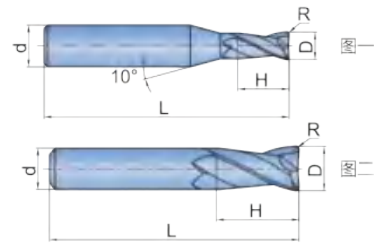
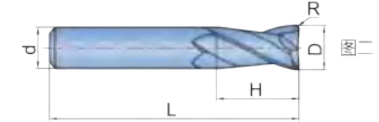

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	S 钛合金, 耐热合金 Titanium alloy	H 高硬度钢 55HRC以下 High hardness steel Below 55HRC	H 高硬度钢 55HRC以上 High hardness steel Above 55HRC
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■ 二刃，直柄，标准长，圆鼻立铣刀

2 flute, Straight shank, Standard length, corner radius end mill

涂层  
TiAlN

35°

D 0--0.020

2

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APGM2R-D1.0R0.2	2	1.0	4	3.0	0.2	50	18010001319	★
APGM2R-D1.5R0.2	2	1.5	4	4.0	0.2	50	18010001320	★
APGM2R-D2.0R0.2	2	2.0	4	6.0	0.2	50	18010001321	★
APGM2R-D2.5R0.2	2	2.5	4	8.0	0.2	50	18010001322	★
APGM2R-D3.0R0.2	2	3.0	4	8.0	0.2	50	18010001323	★
APGM2R-D3.0R0.5	2	3.0	4	8.0	0.5	50	18010001324	★
APGM2R-D4.0R0.2	2	4.0	4	11.0	0.2	50	18010001325	★
APGM2R-D4.0R0.5	2	4.0	4	11.0	0.5	50	18010001326	★
APGM2R-D5.0R0.5	2	5.0	6	13.0	0.5	50	18010001327	★
APGM2R-D5.0R1.0	2	5.0	6	13.0	1.0	50	18010001328	★
APGM2R-D6.0R0.5	2	6.0	6	16.0	0.5	50	18010001329	★
APGM2R-D6.0R1.0	2	6.0	6	16.0	1.0	50	18010001330	★
APGM2R-D8.0R0.5	2	8.0	8	20.0	0.5	60	18010001331	★
APGM2R-D8.0R1.0	2	8.0	8	20.0	1.0	60	18010001332	★
APGM2R-D10.0R0.5	2	10.0	10	25.0	0.5	75	18010001333	★
APGM2R-D10.0R1.0	2	10.0	10	25.0	1.0	75	18010001334	★
APGM2R-D10.0R1.5	2	10.0	10	25.0	1.5	75	18010001335	★
APGM2R-D10.0R2.0	2	10.0	10	25.0	2.0	75	18010001336	★
APGM2R-D12.0R0.5	2	12.0	12	30.0	0.5	75	18010001337	★
APGM2R-D12.0R1.0	2	12.0	12	30.0	1.0	75	18010001338	★
APGM2R-D12.0R1.5	2	12.0	12	30.0	1.5	75	18010001339	★
APGM2R-D12.0R2.0	2	12.0	12	30.0	2.0	75	18010001340	★
APGM2R-D16.0R1.0	2	16.0	16	45.0	1.0	100	18010001341	★
APGM2R-D16.0R1.5	2	16.0	16	45.0	1.5	100	18010001342	★
APGM2R-D16.0R2.0	2	16.0	16	45.0	2.0	100	18010001343	★
APGM2R-D16.0R3.0	2	16.0	16	45.0	3.0	100	18010001344	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order


■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

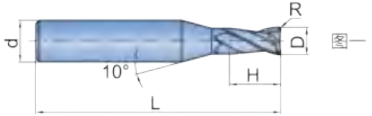
★ 非常适合 very suitable ☆ 适合 suitable

★ <b>P</b> 碳钢, 合金钢 Carbon steel	★ <b>P</b> 预硬钢 Pre-hardened steel	★ <b>M</b> 不锈钢 Stainless steel	★ <b>K</b> 铸铁 Cast iron	★ <b>N</b> 铜合金 Copper alloy	★ <b>N</b> 铝合金 Aluminum alloy	★ <b>S</b> 钛合金, 耐热合金 Heat resisters alloy, Titanium alloy	★ <b>H</b> 高硬度SS40C以下 High hardness steel Below SS40C	★ <b>H</b> 高硬度SS40C以上 High hardness steel Above SS40C
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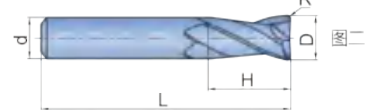
通用加工APGM系列 APGM Series For General Machining

二刃，直柄，加长，圆鼻立铣刀  
2 flute, Straight shank, long type, corner radius end mill





图一




图二

涂层  
TiAlN


35°

D 0--0.020


2



圆弧铣刀槽加工  
Corner radius for slot machining



圆弧铣刀侧面加工  
Corner radius for side machining



圆弧铣刀仿形加工  
Corner radius for profile machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APGM2RL-D6.0R0.5	2	6.0	6	16.0	0.5	75	18010001345	☆
APGM2RL-D6.0R1.0	2	6.0	6	16.0	1.0	75	18010001346	☆
APGM2RL-D8.0R0.5	2	8.0	8	20.0	0.5	100	18010001347	☆
APGM2RL-D8.0R1.0	2	8.0	8	20.0	1.0	100	18010001348	☆
APGM2RL-D10.0R0.5	2	10.0	10	25.0	0.5	100	18010001349	☆
APGM2RL-D10.0R1.0	2	10.0	10	25.0	1.0	100	18010001350	☆
APGM2RL-D10.0R2.0	2	10.0	10	25.0	2.0	100	18010001351	☆
APGM2RL-D12.0R0.5	2	12.0	12	30.0	0.5	100	18010001352	☆
APGM2RL-D12.0R1.0	2	12.0	12	30.0	1.0	100	18010001353	☆
APGM2RL-D12.0R2.0	2	12.0	12	30.0	2.0	100	18010001354	☆
APGM2RL-D16.0R1.0	2	16.0	16	45.0	1.0	150	18010001355	☆
APGM2RL-D16.0R2.0	2	16.0	16	45.0	2.0	150	18010001356	☆

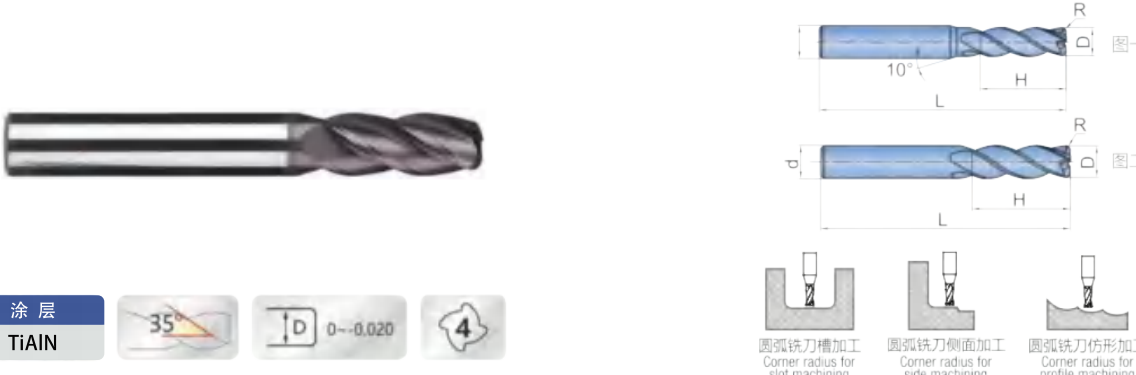
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	S 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	H 高硬度55HRC以下 High hardness steel Below 55HRC	H 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 四刃，直柄，标准长，圆鼻立铣刀

4 flute, Straight shank, Standard length, corner radius end mill



涂层 TiAlN

35°

D 0--0.020

4

圆弧铣刀槽加工  
Corner radius for slot machining

圆弧铣刀侧面加工  
Corner radius for side machining

圆弧铣刀仿形加工  
Corner radius for profile machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APGM4R-D3.0R0.2	2	3.0	4	8.0	0.2	50	18010001357	★
APGM4R-D3.0R0.5	2	3.0	4	8.0	0.5	50	18010001358	★
APGM4R-D4.0R0.2	2	4.0	4	11.0	0.2	50	18010001359	★
APGM4R-D4.0R0.5	2	4.0	4	11.0	0.5	50	18010001360	★
APGM4R-D5.0R0.5	2	5.0	6	13.0	0.5	50	18010001361	★
APGM4R-D5.0R1.0	2	5.0	6	13.0	1.0	50	18010001362	★
APGM4R-D6.0R0.5	2	6.0	6	16.0	0.5	50	18010001363	★
APGM4R-D6.0R1.0	2	6.0	6	16.0	1.0	50	18010001364	★
APGM4R-D8.0R0.5	2	8.0	8	20.0	0.5	60	18010001365	★
APGM4R-D8.0R1.0	2	8.0	8	20.0	1.0	60	18010001366	★
APGM4R-D10.0R0.5	2	10.0	10	25.0	0.5	75	18010001367	★
APGM4R-D10.0R1.0	2	10.0	10	25.0	1.0	75	18010001368	★
APGM4R-D10.0R1.5	2	10.0	10	25.0	1.5	75	18010001369	★
APGM4R-D10.0R2.0	2	10.0	10	25.0	2.0	75	18010001370	★
APGM4R-D12.0R0.5	2	12.0	12	30.0	0.5	75	18010001371	★
APGM4R-D12.0R1.0	2	12.0	12	30.0	1.0	75	18010001372	★
APGM4R-D12.0R1.5	2	12.0	12	30.0	1.5	75	18010001373	★
APGM4R-D12.0R2.0	2	12.0	12	30.0	2.0	75	18010001374	★
APGM4R-D16.0R1.0	2	16.0	16	45.0	1.0	100	18010001375	★
APGM4R-D16.0R1.5	2	16.0	16	45.0	1.5	100	18010001376	★
APGM4R-D16.0R2.0	2	16.0	16	45.0	2.0	100	18010001377	★
APGM4R-D16.0R3.0	2	16.0	16	45.0	3.0	100	18010001378	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

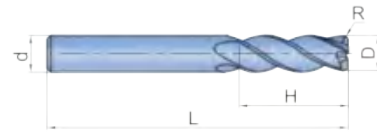
■ 推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	<b>H</b> 高硬度SSHRCL以下 High hardness steel Below SS1-HRC	<b>H</b> 高硬度SSHRCL以上 High hardness steel Above SS1-HRC
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通用加工APGM系列 APGM Series For General Machining

■ 四刃，直柄，加长，圆鼻立铣刀

4 flute, Straight shank, long type, corner radius end mill



涂层 TiAlN

35°

Ds 12 0~-0.020  
12<D 0~-0.030

4



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APGM4RL-D6.0R0.5	2	6.0	6	16.0	0.5	75	18010001379	☆
APGM4RL-D6.0R1.0	2	6.0	6	16.0	0.5	75	18010001380	☆
APGM4RL-D8.0R0.5	2	8.0	8	20.0	0.5	100	18010001381	☆
APGM4RL-D8.0R1.0	2	8.0	8	20.0	1.0	100	18010001382	☆
APGM4RL-D10.0R0.5	2	10.0	10	25.0	0.5	100	18010001383	☆
APGM4RL-D10.0R1.0	2	10.0	10	25.0	1.0	100	18010001384	☆
APGM4RL-D10.0R2.0	2	10.0	10	25.0	2.0	100	18010001385	☆
APGM4RL-D12.0R0.5	2	12.0	12	30.0	0.5	100	18010001386	☆
APGM4RL-D12.0R1.0	2	12.0	12	30.0	1.0	100	18010001387	☆
APGM4RL-D12.0R2.0	2	12.0	12	30.0	2.0	100	18010001388	☆
APGM4RL-D16.0R2.0	2	16.0	16	45.0	2.0	150	18010001389	☆
APGM4RL-D16.0R3.0	2	16.0	16	45.0	3.0	150	18010001390	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	S 钛合金, 耐热合金 Titanium alloy	H 高硬度SSHRc以下 High hardness steel Below SS+HRC	H 高硬度SSHRc以上 High hardness steel Above SS+HRC
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二刃，直柄，标准长，平头立铣刀  
2 flute, Straight shank, Standard length, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切割直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP2E-D1.0-H4	2	1.0	4	3	50	18010002001	★
APHP2E-D1.5-H4	2	1.5	4	4	50	18010002002	★
APHP2E-D2.0-H4	2	2.0	4	6	50	18010002003	★
APHP2E-D2.5-H4	2	2.5	4	8	50	18010002004	★
APHP2E-D3.0-H4	2	3.0	4	8	50	18010002005	★
APHP2E-D4.0-H4	2	4.0	4	11	50	18010002006	★
APHP2E-D1.0	2	1.0	6	3	50	18010002007	★
APHP2E-D1.5	2	1.5	6	4	50	18010002008	★
APHP2E-D2.0	2	2.0	6	6	50	18010002009	★
APHP2E-D2.5	2	2.5	6	8	50	18010002010	★
APHP2E-D3.0	2	3.0	6	8	50	18010002011	★
APHP2E-D3.5	2	3.5	6	10	50	18010002012	★
APHP2E-D4.0	2	4.0	6	11	50	18010002013	★
APHP2E-D4.5	2	4.5	6	11	50	18010002014	★
APHP2E-D5.0	2	5.0	6	13	50	18010002015	★
APHP2E-D5.5	2	5.5	6	16	50	18010002016	★
APHP2E-D6.0	2	6.0	6	16	50	18010002017	★
APHP2E-D7.0	2	7.0	8	20	60	18010002018	★
APHP2E-D8.0	2	8.0	8	20	60	18010002019	★
APHP2E-D9.0	2	9.0	10	22	75	18010002020	★
APHP2E-D10.0	2	10.0	10	25	75	18010002021	★
APHP2E-D11.0	2	11.0	12	26	75	18010002022	★
APHP2E-D12.0	2	12.0	12	30	75	18010002023	★
APHP2E-D14.0	2	14.0	14	32	100	18010002024	★
APHP2E-D16.0	2	16.0	16	45	100	18010002025	★
APHP2E-D18.0	2	18.0	18	45	100	18010002026	★
APHP2E-D20.0	2	20.0	20	45	100	18010002027	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

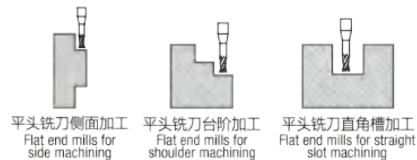
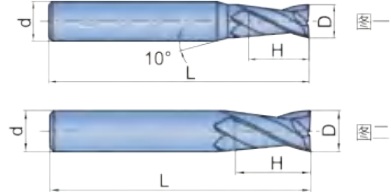
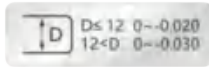
<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	<b>H</b> 高硬度SS(HRC)以下 High hardness steel Below 55HRC	<b>H</b> 高硬度SS(HRC)以上 High hardness steel Above 55HRC
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高性能通用加工APHP系列 APHP Series For High Performance Machining

二刃，直柄，加长，平头立铣刀  
2 flute, Straight shank, long type, Flat end mill



涂层  
H-Si



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP2EL-D3.0-H4	2	3.0	4	12	75	18010002028	★
APHP2EL-D4.0-H4	2	4.0	4	15	75	18010002029	★
APHP2EL-D3.0	2	3.0	6	12	75	18010002030	★
APHP2EL-D4.0	2	4.0	6	15	75	18010002031	★
APHP2EL-D5.0	2	5.0	6	20	75	18010002032	★
APHP2EL-D6.0	2	6.0	6	20	75	18010002033	★
APHP2EL-D8.0	2	8.0	8	25	75	18010002034	★
APHP2EL-D10.0	2	10.0	10	30	100	18010002035	★
APHP2EL-D12.0	2	12.0	12	35	100	18010002036	★
APHP2EL-D14.0	2	14.0	14	40	100	18010002037	★
APHP2EL-D16.0	2	16.0	16	50	150	18010002038	★
APHP2EL-D20.0	2	20.0	18	55	150	18010002039	★

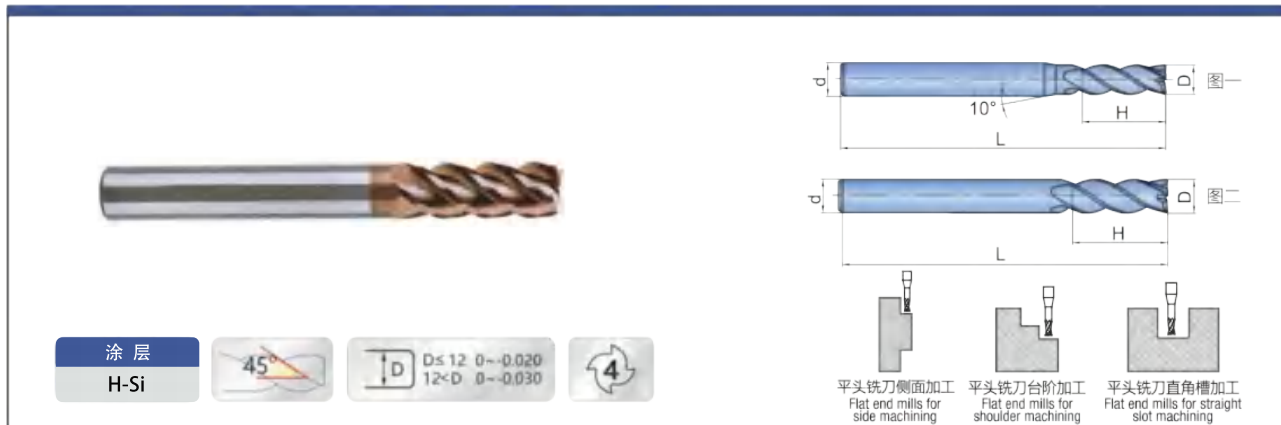
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Titanium alloy	★ H 高硬度55HRC以下 High hardness steel Below 55HRC	H 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 四刃，直柄，标准长，平头立铣刀  
4 flute, Straight shank, Standard length, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)		F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切割直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP4E-D1.0-H4	4	1.0	4	3	50	18010002040	★
APHP4E-D1.5-H4	4	1.5	4	4	50	18010002041	★
APHP4E-D2.0-H4	4	2.0	4	6	50	18010002042	★
APHP4E-D2.5-H4	4	2.5	4	8	50	18010002043	★
APHP4E-D3.0-H4	4	3.0	4	8	50	18010002044	★
APHP4E-D4.0-H4	4	4.0	4	11	50	18010002045	★
APHP4E-D1.0	4	1.0	6	3	50	18010002046	★
APHP4E-D1.5	4	1.5	6	4	50	18010002047	★
APHP4E-D2.0	4	2.0	6	6	50	18010002048	★
APHP4E-D2.5	4	2.5	6	8	50	18010002049	★
APHP4E-D3.0	4	3.0	6	8	50	18010002050	★
APHP4E-D3.5	4	3.5	6	10	50	18010002051	★
APHP4E-D4.0	4	4.0	6	11	50	18010002052	★
APHP4E-D4.5	4	4.5	6	11	50	18010002053	★
APHP4E-D5.0	4	5.0	6	13	50	18010002054	★
APHP4E-D5.5	4	5.5	6	16	50	18010002055	★
APHP4E-D6.0	4	6.0	6	16	50	18010002056	★
APHP4E-D7.0	4	7.0	8	20	60	18010002057	★
APHP4E-D8.0	4	8.0	8	20	60	18010002058	★
APHP4E-D9.0	4	9.0	10	22	75	18010002059	★
APHP4E-D10.0	4	10.0	10	25	75	18010002060	★
APHP4E-D11.0	4	11.0	12	26	75	18010002061	★
APHP4E-D12.0	4	12.0	12	30	75	18010002062	★
APHP4E-D14.0	4	14.0	14	32	100	18010002063	★
APHP4E-D16.0	4	16.0	16	45	100	18010002064	★
APHP4E-D18.0	4	18.0	18	45	100	18010002065	★
APHP4E-D20.0	4	20.0	20	45	100	18010002066	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

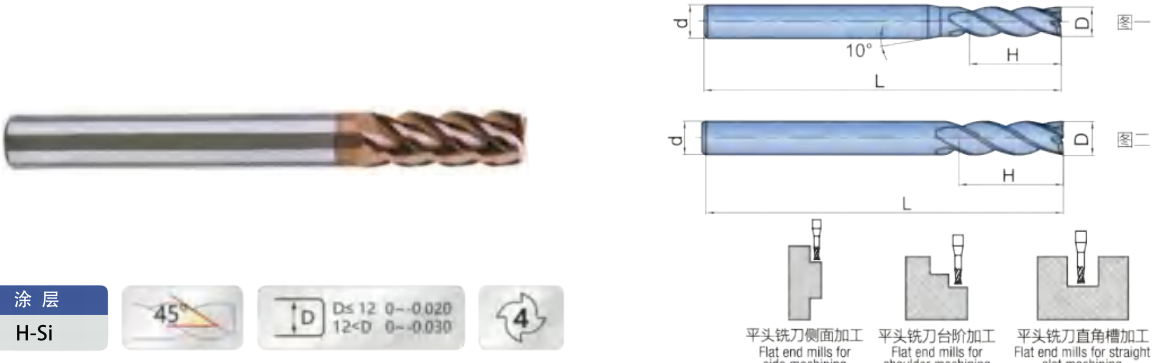
■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SSHRc以下 High hardness steel Below 53HRc	<b>H</b> 高硬度SSHRc以上 High hardness steel Above 53HRc
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高性能通用加工APHP系列 APHP Series For High Performance Machining

■ 四刃，直柄，加长，平头立铣刀  
4 flute, Straight shank, long type, Flat end mill



涂层: H-Si

45°

Ds 12 0--0.020  
12-D 0--0.030

4

图一: 10°, L, H, D, d

图二: L, H, D, d

平头铣刀侧面加工 Flat end mills for side machining

平头铣刀台阶加工 Flat end mills for shoulder machining

平头铣刀直角槽加工 Flat end mills for straight slot machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP4EL-D3.0-H4	4	3.0	4	12	75	18010002067	★
APHP4EL-D4.0-H4	4	4.0	4	15	75	18010002068	★
APHP4EL-D3.0	4	3.0	6	12	75	18010002069	★
APHP4EL-D4.0	4	4.0	6	15	75	18010002070	★
APHP4EL-D5.0	4	5.0	6	20	75	18010002071	★
APHP4EL-D6.0	4	6.0	6	20	75	18010002072	★
APHP4EL-D8.0	4	8.0	8	25	75	18010002073	★
APHP4EL-D10.0	4	10.0	10	30	100	18010002074	★
APHP4EL-D12.0	4	12.0	12	35	100	18010002075	★
APHP4EL-D14.0	4	14.0	14	40	100	18010002076	★
APHP4EL-D16.0	4	16.0	16	50	150	18010002077	★
APHP4EL-D20.0	4	20.0	18	55	150	18010002078	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL ☆ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Titanium alloy	★ H 高硬度55HRC以下 High hardness steel Below 55HRC	H 高硬度55HRC以上 High hardness steel Above 55HRC
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六刃，直柄，平头立铣刀  
6 flute, Straight shank, Flat end mill

涂层  
H-Si

45°

Ds 12 0--0.020  
12xD 0--0.030

6

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP6E-D6.0	6	6.0	6.0	16	60	18010002079	☆
APHP6E-D8.0	6	8.0	8.0	20	60	18010002080	☆
APHP6E-D10.0	6	10.0	10.0	30	75	18010002081	☆
APHP6E-D12.0	6	12.0	12.0	32	75	18010002082	☆
APHP6E-D16.0	6	16.0	16.0	40	100	18010002083	☆
APHP6E-D20.0	6	20.0	20.0	45	100	18010002084	☆
APHP6EL-D6.0	6	6.0	6.0	24	75	18010002085	☆
APHP6EL-D8.0	6	8.0	8.0	32	75	18010002086	☆
APHP6EL-D10.0	6	10.0	10.0	40	100	18010002087	☆
APHP6EL-D12.0	6	12.0	12.0	45	100	18010002088	☆
APHP6EL-D16.0	6	16.0	16.0	64	150	18010002089	☆
APHP6EL-D20.0	6	20.0	20.0	75	150	18010002090	☆

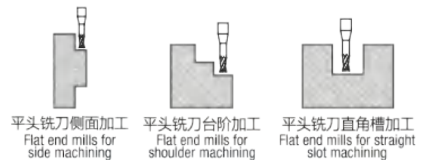
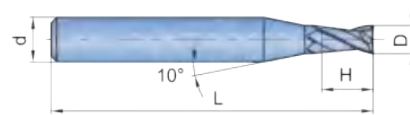
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

<p>★ <b>P</b></p> <p>碳钢, 合金钢 Carbon steel</p>	<p>★ <b>P</b></p> <p>预硬钢 Pre-hardened steel</p>	<p>★ <b>M</b></p> <p>不锈钢 Stainless steel</p>	<p>★ <b>K</b></p> <p>铸铁 Cast iron</p>	<p>★ <b>N</b></p> <p>铜合金 Copper alloy</p>	<p>★ <b>N</b></p> <p>铝合金 Aluminum alloy</p>	<p>★ <b>S</b></p> <p>钛合金, 耐热合金 Titanium alloy</p>	<p>★ <b>H</b></p> <p>高硬度SSHRc以下 High hardness steel Below SSHRc</p>	<p>★ <b>H</b></p> <p>高硬度SSHRc以上 High hardness steel Above SSHRc</p>
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高性能通用加工APHP系列 APHP Series For High Performance Machining

■ 二刃，直柄，微小径，平头立铣刀  
2 flute, Straight shank, Tiny cutting diameter, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切割直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP2ES-D0.3	2	0.3	4	0.6	50	18010002091	☆
APHP2ES-D0.4	2	0.4	4	0.8	50	18010002092	☆
APHP2ES-D0.5	2	0.5	4	1.0	50	18010002093	☆
APHP2ES-D0.6	2	0.6	4	1.2	50	18010002094	☆
APHP2ES-D0.7	2	0.7	4	1.4	50	18010002095	☆
APHP2ES-D0.8	2	0.8	4	1.6	50	18010002096	☆
APHP2ES-D0.9	2	0.9	4	1.8	50	18010002097	☆
APHP2ES-D1.0	2	1.0	4	2.0	50	18010002098	☆
APHP2ES-D1.1	2	1.1	4	2.0	50	18010002099	☆
APHP2ES-D1.2	2	1.2	4	2.5	50	18010002100	☆
APHP2ES-D1.3	2	1.3	4	2.5	50	18010002101	☆
APHP2ES-D1.4	2	1.4	4	3.0	50	18010002102	☆
APHP2ES-D1.5	2	1.5	4	3.0	50	18010002103	☆
APHP2ES-D1.6	2	1.6	4	3.5	50	18010002104	☆
APHP2ES-D1.7	2	1.7	4	3.5	50	18010002105	☆
APHP2ES-D1.8	2	1.8	4	4.0	50	18010002106	☆
APHP2ES-D1.9	2	1.9	4	4.0	50	18010002107	☆
APHP2ES-D2.0	2	2.0	4	4.0	50	18010002108	☆
APHP2ES-D2.1	2	2.1	4	4.0	50	18010002109	☆
APHP2ES-D2.2	2	2.2	4	4.5	50	18010002110	☆
APHP2ES-D2.3	2	2.3	4	4.5	50	18010002111	☆
APHP2ES-D2.4	2	2.4	4	5.0	50	18010002112	☆
APHP2ES-D2.5	2	2.5	4	5.0	50	18010002113	☆
APHP2ES-D2.6	2	2.6	4	5.0	50	18010002114	☆
APHP2ES-D2.7	2	2.7	4	5.5	50	18010002115	☆
APHP2ES-D2.8	2	2.8	4	5.0	50	18010002116	☆
APHP2ES-D2.9	2	2.9	4	6.0	50	18010002117	☆
APHP2ES-D3.0	2	3.0	4	6.0	50	18010002118	☆

★ 常备库存 Running Stock    ★ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable    ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	★ H 高硬度SS-HRC以下 High hardness steel Below 55HRC	★ H 高硬度SS-HRC以上 High hardness steel Above 55HRC
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■ 二刃，直柄，标准长，球头立铣刀

2 flute, Straight shank, Standard length, Ball nose end mill



Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切割半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP2B-R0.5-H4	2	0.5	4	2	50	18010002119	★
APHP2B-R0.75-H4	2	0.75	4	3	50	18010002120	★
APHP2B-R1.0-H4	2	1.0	4	4	50	18010002121	★
APHP2B-R1.25-H4	2	1.25	4	5	50	18010002122	★
APHP2B-R1.5-H4	2	1.5	4	6	50	18010002123	★
APHP2B-R2.0-H4	2	2.0	4	8	50	18010002124	★
APHP2B-R0.5	2	0.5	6	2	50	18010002125	★
APHP2B-R0.75	2	0.75	6	3	50	18010002126	★
APHP2B-R1.0	2	1.0	6	4	50	18010002127	★
APHP2B-R1.25	2	1.25	6	5	50	18010002128	★
APHP2B-R1.5	2	1.5	6	6	50	18010002129	★
APHP2B-R1.75	2	1.75	6	8	50	18010002130	★
APHP2B-R2.0	2	2.0	6	8	50	18010002131	★
APHP2B-R2.5	2	2.5	6	10	50	18010002132	★
APHP2B-R2.75	2	2.75	6	12	50	18010002133	★
APHP2B-R3.0	2	3.0	6	12	50	18010002134	★
APHP2B-R3.5	2	3.5	8	14	60	18010002135	★
APHP2B-R4.0	2	4.0	8	16	60	18010002136	★
APHP2B-R4.5	2	4.5	10	18	75	18010002137	★
APHP2B-R5.0	2	5.0	10	20	75	18010002138	★
APHP2B-R6.0	2	6.0	12	24	75	18010002139	★
APHP2B-R7.0	2	7.0	14	28	75	18010002140	★
APHP2B-R8.0	2	8.0	16	32	100	18010002141	★
APHP2B-R9.0	2	9.0	18	36	100	18010002142	★
APHP2B-R10.0	2	10.0	20	40	100	18010002143	★

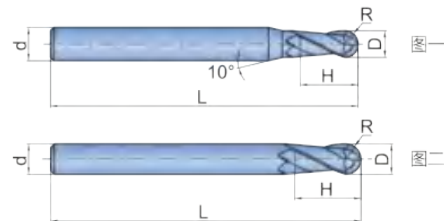
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SS4HRC以下 High hardness steel Below 53HRC	<b>H</b> 高硬度SS4HRC以上 High hardness steel Above 53HRC
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高性能通用加工APHP系列 APHP Series For High Performance Machining

二刃，直柄，加长，球头立铣刀  
2 flute, Straight shank, long type, Ball nose end mill



涂层 H-Si

35°

Ds 12 0--0.020  
12-D 0--0.030

R R±0.01

2



Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切削半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP2BL-R1.0	2	1.0	6	4	75	18010002144	☆
APHP2BL-R1.25	2	1.25	6	5	75	18010002145	☆
APHP2BL-R1.5	2	1.5	6	6	75	18010002146	☆
APHP2BL-R1.75	2	1.75	6	8	75	18010002147	☆
APHP2BL-R2.0	2	2.0	6	8	75	18010002148	☆
APHP2BL-R2.5	2	2.5	6	10	75	18010002149	☆
APHP2BL-R2.75	2	2.75	6	12	75	18010002150	☆
APHP2BL-R3.0	2	3.0	6	12	75	18010002151	☆
APHP2BL-R3.5	2	3.5	8	14	75	18010002152	☆
APHP2BL-R4.0	2	4.0	8	16	100	18010002153	☆
APHP2BL-R4.5	2	4.5	10	18	100	18010002154	☆
APHP2BL-R5.0	2	5.0	10	20	100	18010002155	☆
APHP2BL-R6.0	2	6.0	12	24	100	18010002156	☆
APHP2BL-R7.0	2	7.0	14	28	100	18010002157	☆
APHP2BL-R8.0	2	8.0	16	32	150	18010002158	☆
APHP2BL-R9.0	2	9.0	18	36	150	18010002159	☆
APHP2BL-R10.0	2	10.0	20	40	150	18010002160	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Titanium alloy, Heat resistant alloy	★ H 高硬度55-HRC以下 High hardness steel Below 55-HRC	★ H 高硬度55-HRC以上 High hardness steel Above 55-HRC
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■ 四刃，直柄，球头立铣刀  
4 flute, Straight shank, Ball nose end mill



Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切削半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP4B-R2.0	2	2.0	6	8	75	18010002161	☆
APHP4B-R2.5	2	2.5	6	10	75	18010002162	☆
APHP4B-R3.0	2	3.0	6	12	75	18010002163	☆
APHP4B-R4.0	2	4.0	8	16	100	18010002164	☆
APHP4B-R5.0	2	5.0	10	20	100	18010002165	☆
APHP4B-R6.0	2	6.0	12	24	100	18010002166	☆
APHP4B-R7.0	2	7.0	14	28	100	18010002167	☆
APHP4B-R8.0	2	8.0	16	32	150	18010002168	☆
APHP4B-R9.0	2	9.0	18	36	150	18010002169	☆
APHP4B-R10.0	2	10.0	20	40	150	18010002170	☆
APHP4BL-R2.0	2	2.0	6	8	75	18010002171	☆
APHP4BL-R2.5	2	2.5	6	10	75	18010002172	☆
APHP4BL-R3.0	2	3.0	6	12	75	18010002173	☆
APHP4BL-R4.0	2	4.0	8	16	100	18010002174	☆
APHP4BL-R5.0	2	5.0	10	20	100	18010002175	☆
APHP4BL-R6.0	2	6.0	12	24	100	18010002176	☆
APHP4BL-R7.0	2	7.0	14	28	100	18010002177	☆
APHP4BL-R8.0	2	8.0	16	32	150	18010002178	☆
APHP4BL-R9.0	2	9.0	18	36	150	18010002179	☆
APHP4BL-R10.0	2	10.0	20	40	150	18010002180	☆


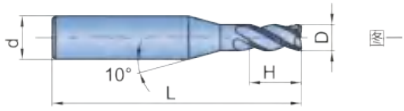
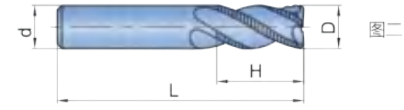
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable


★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	★ H 高硬度SSHRc以下 High hardness steel Below 55HRC	★ H 高硬度SSHRc以上 High hardness steel Above 55HRC
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高性能通用加工APHP系列 APHP Series For High Performance Machining

■ 四刃，直柄，粗加工立铣刀  
4 flute, Straight shank, roughing end mill







涂层  
H-Si



30°

D ≤ 6 0~-0.048    6 < D ≤ 10 0~-0.058  
10 < D ≤ 18 0~-0.07    18 < D 0~-0.084



4

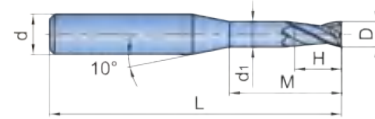
Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切割直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHP4C-D4.0	4	4.0	4	11	50	18010002181	☆
APHP4C-D6.0	4	6.0	6	15	50	18010002182	☆
APHP4C-D8.0	4	8.0	8	20	60	18010002183	☆
APHP4C-D10.0	4	10.0	10	25	75	18010002184	☆
APHP4C-D12.0	4	12.0	12	30	75	18010002185	☆
APHP4C-D16.0	4	16.0	16	45	100	18010002186	☆
APHP4C-D20.0	4	20.0	20	45	100	18010002187	☆

★ 常备库存 Running Stock    ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL    ★ 非常适合 very suitable    ☆ 适合 suitable

★ <b>P</b>	★ <b>P</b>	☆ <b>M</b>	★ <b>K</b>	★ <b>N</b>	★ <b>N</b>	☆ <b>S</b>	★ <b>H</b>	★ <b>H</b>
碳钢, 合金钢 Carbon steel	预硬钢 Pre-hardened steel	不锈钢 Stainless steel	铸铁 Cast iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金, 耐热合金 Titanium alloy	高硬度55HRC以下 High hardness steel Below 55HRC	高硬度55HRC以上 High hardness steel Above 55HRC

二刃，直柄，长颈，平头立铣刀  
2 flute, Straight shank, long neck, Flat end mill



平头铣刀深沟加工  
Flat end mills for deep slot machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	M(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	neck length 颈长	overall length 总长		
APHP2EP-D0.5-M04	2	0.5	4	0.7	4	50	18010002188	☆
APHP2EP-D0.5-M06	2	0.5	4	0.7	6	50	18010002189	☆
APHP2EP-D0.5-M08	2	0.5	4	0.7	8	50	18010002190	☆
APHP2EP-D0.8-M04	2	0.8	4	1.2	4	50	18010002191	☆
APHP2EP-D0.8-M06	2	0.8	4	1.2	6	50	18010002192	☆
APHP2EP-D0.8-M08	2	0.8	4	1.2	8	50	18010002193	☆
APHP2EP-D0.8-M10	2	0.8	4	1.2	10	50	18010002194	☆
APHP2EP-D1.0-M04	2	1.0	4	1.5	4	50	18010002195	☆
APHP2EP-D1.0-M06	2	1.0	4	1.5	6	50	18010002196	☆
APHP2EP-D1.0-M08	2	1.0	4	1.5	8	50	18010002197	☆
APHP2EP-D1.0-M10	2	1.0	4	1.5	10	50	18010002198	☆
APHP2EP-D1.0-M12	2	1.0	4	1.5	12	50	18010002199	☆
APHP2EP-D1.0-M14	2	1.0	4	1.5	14	50	18010002200	☆
APHP2EP-D1.2-M06	2	1.2	4	1.8	6	50	18010002201	☆
APHP2EP-D1.2-M08	2	1.2	4	1.8	8	50	18010002202	☆
APHP2EP-D1.2-M10	2	1.2	4	1.8	10	50	18010002203	☆
APHP2EP-D1.2-M12	2	1.2	4	1.8	12	50	18010002204	☆
APHP2EP-D1.5-M06	2	1.5	4	2.3	6	50	18010002205	☆
APHP2EP-D1.5-M08	2	1.5	4	2.3	8	50	18010002206	☆
APHP2EP-D1.5-M10	2	1.5	4	2.3	10	50	18010002207	☆
APHP2EP-D1.5-M12	2	1.5	4	2.3	12	50	18010002208	☆
APHP2EP-D1.5-M14	2	1.5	4	2.3	14	50	18010002209	☆
APHP2EP-D2.0-M06	2	2.0	4	3.0	6	50	18010002210	☆
APHP2EP-D2.0-M08	2	2.0	4	3.0	8	50	18010002211	☆
APHP2EP-D2.0-M10	2	2.0	4	3.0	10	50	18010002212	☆
APHP2EP-D2.0-M12	2	2.0	4	3.0	12	50	18010002213	☆
APHP2EP-D2.0-M14	2	2.0	4	3.0	14	50	18010002214	☆
APHP2EP-D2.0-M16	2	2.0	4	3.0	16	50	18010002215	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

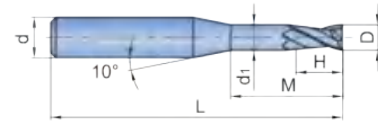
推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ <b>P</b> 碳钢, 合金钢 Carbon steel	★ <b>P</b> 预硬钢 Pre-hardened steel	★ <b>M</b> 不锈钢 Stainless steel	★ <b>K</b> 铸铁 Cast iron	★ <b>N</b> 铜合金 Copper alloy	★ <b>N</b> 铝合金 Aluminum alloy	★ <b>S</b> 钛合金, 耐热合金 Titanium alloy	★ <b>H</b> 硬度55HRC以下 High hardness steel Below 55HRC	★ <b>H</b> 硬度55HRC以上 High hardness steel Above 55HRC
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高性能通用加工APHP系列 APHP Series For High Performance Machining

二刃，直柄，长颈，平头立铣刀  
2 flute, Straight shank, long neck, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	M(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	neck length 颈长	overall length 总长		
APHP2EP-D2.5-M08	2	2.5	4	3.7	8	50	18010002216	☆
APHP2EP-D2.5-M10	2	2.5	4	3.7	10	50	18010002217	☆
APHP2EP-D2.5-M12	2	2.5	4	3.7	12	50	18010002218	☆
APHP2EP-D2.5-M14	2	2.5	4	3.7	14	50	18010002219	☆
APHP2EP-D2.5-M16	2	2.5	4	3.7	16	50	18010002220	☆
APHP2EP-D2.5-M18	2	2.5	4	3.7	18	50	18010002221	☆
APHP2EP-D2.5-M20	2	2.5	4	3.7	20	50	18010002222	☆
APHP2EP-D3.0-M06	2	3.0	6	4.5	6	60	18010002223	☆
APHP2EP-D3.0-M08	2	3.0	6	4.5	8	60	18010002224	☆
APHP2EP-D3.0-M10	2	3.0	6	4.5	10	60	18010002225	☆
APHP2EP-D3.0-M12	2	3.0	6	4.5	12	60	18010002226	☆
APHP2EP-D3.0-M14	2	3.0	6	4.5	14	60	18010002227	☆
APHP2EP-D3.0-M16	2	3.0	6	4.5	16	60	18010002228	☆
APHP2EP-D3.0-M18	2	3.0	6	4.5	18	60	18010002229	☆
APHP2EP-D3.0-M20	2	3.0	6	4.5	20	60	18010002230	☆
APHP2EP-D4.0-M12	2	4.0	6	6.0	12	60	18010002231	☆
APHP2EP-D4.0-M16	2	4.0	6	6.0	16	60	18010002232	☆
APHP2EP-D4.0-M20	2	4.0	6	6.0	20	60	18010002233	☆
APHP2EP-D4.0-M25	2	4.0	6	6.0	25	60	18010002234	☆
APHP2EP-D5.0-M16	2	5.0	6	7.5	16	75	18010002235	☆
APHP2EP-D5.0-M25	2	5.0	6	7.5	25	75	18010002236	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminium alloy	☆ S 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	★ H 高硬度钢55HRC以下 High hardness steel Below 55HRC	★ H 高硬度钢55HRC以上 High hardness steel Above 55HRC
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二刃，直柄，长颈，球头立铣刀  
2 flute, Straight shank, long neck, Ball nose end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	M(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	neck length 颈长	overall length 总长		
APHP2BP-R0.25-M04	2	0.25	4	0.7	4	50	18010002237	☆
APHP2BP-R0.25-M06	2	0.25	4	0.7	6	50	18010002238	☆
APHP2BP-R0.3-M04	2	0.3	4	0.9	4	50	18010002239	☆
APHP2BP-R0.3-M06	2	0.3	4	0.9	6	50	18010002240	☆
APHP2BP-R0.3-M08	2	0.3	4	0.9	8	50	18010002241	☆
APHP2BP-R0.4-M04	2	0.4	4	1.2	4	50	18010002242	☆
APHP2BP-R0.4-M06	2	0.4	4	1.2	6	50	18010002243	☆
APHP2BP-R0.4-M08	2	0.4	4	1.2	8	50	18010002244	☆
APHP2BP-R0.4-M10	2	0.4	4	1.2	10	50	18010002245	☆
APHP2BP-R0.5-M04	2	0.5	4	1.5	4	50	18010002246	☆
APHP2BP-R0.5-M06	2	0.5	4	1.5	6	50	18010002247	☆
APHP2BP-R0.5-M08	2	0.5	4	1.5	8	50	18010002248	☆
APHP2BP-R0.5-M10	2	0.5	4	1.5	10	50	18010002249	☆
APHP2BP-R0.5-M12	2	0.5	4	1.5	12	50	18010002250	☆
APHP2BP-R0.6-M06	2	0.6	4	1.8	6	50	18010002251	☆
APHP2BP-R0.6-M08	2	0.6	4	1.8	8	50	18010002252	☆
APHP2BP-R0.6-M10	2	0.6	4	1.8	10	50	18010002253	☆
APHP2BP-R0.6-M12	2	0.6	4	1.8	12	50	18010002254	☆
APHP2BP-R0.6-M16	2	0.6	4	1.8	16	50	18010002255	☆
APHP2BP-R0.75-M08	2	0.75	4	2.3	8	50	18010002256	☆
APHP2BP-R0.75-M12	2	0.75	4	2.3	12	50	18010002257	☆
APHP2BP-R0.75-M16	2	0.75	4	2.3	16	50	18010002258	☆
APHP2BP-R1.0-M06	2	1.0	4	3.0	6	50	18010002259	☆
APHP2BP-R1.0-M08	2	1.0	4	3.0	8	50	18010002260	☆
APHP2BP-R1.0-M10	2	1.0	4	3.0	10	50	18010002261	☆
APHP2BP-R1.0-M12	2	1.0	4	3.0	12	50	18010002262	☆
APHP2BP-R1.0-M16	2	1.0	4	3.0	16	50	18010002263	☆
APHP2BP-R1.0-M20	2	1.0	4	3.0	20	50	18010002264	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

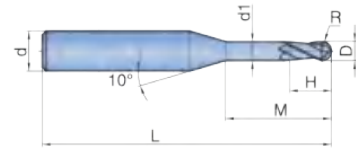
推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SS/HRC以下 High hardness steel Below 53HRC	<b>H</b> 高硬度SS/HRC以上 High hardness steel Above 53HRC
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高性能通用加工APHP系列 APHP Series For High Performance Machining

二刃，直柄，长颈，球头立铣刀  
2 flute, Straight shank, long neck, Ball nose end mill



涂层 H-Si

35°

D  $D \pm 0.015$

R  $R \pm 0.005$   $R - 0.5$   
 $R \pm 0.01$   $R \pm 0.5$

2



球头铣刀深沟加工  
Ball nose end mills for deep slot machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	M(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	neck length 颈长	overall length 总长		
APHP2BP-R1.25-M08	2	1.25	4	3.7	8	50	18010002265	☆
APHP2BP-R1.25-M12	2	1.25	4	3.7	12	50	18010002266	☆
APHP2BP-R1.25-M16	2	1.25	4	3.7	16	50	18010002267	☆
APHP2BP-R1.25-M20	2	1.25	4	3.7	20	50	18010002268	☆
APHP2BP-R1.5-M08	2	1.5	6	4.5	8	60	18010002269	☆
APHP2BP-R1.5-M10	2	1.5	6	4.5	10	60	18010002270	☆
APHP2BP-R1.5-M12	2	1.5	6	4.5	12	60	18010002271	☆
APHP2BP-R1.5-M16	2	1.5	6	4.5	16	60	18010002272	☆
APHP2BP-R1.5-M20	2	1.5	6	4.5	20	60	18010002273	☆
APHP2BP-R2.0-M10	2	2.0	6	6.0	10	60	18010002274	☆
APHP2BP-R2.0-M16	2	2.0	6	6.0	16	60	18010002275	☆
APHP2BP-R2.0-M20	2	2.0	6	6.0	20	60	18010002276	☆
APHP2BP-R2.0-M25	2	2.0	6	6.0	25	60	18010002277	☆
APHP2BP-R2.5-M16	2	2.5	6	7.5	16	60	18010002278	☆
APHP2BP-R2.5-M25	2	2.5	6	7.5	25	60	18010002279	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Titanium alloy Heat resistant alloy	★ H 高硬度55HRC以下 High hardness steel Below 55HRC	H 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 二刃，直柄，标准长，圆鼻立铣刀

2 flute, Straight shank, Standard length, corner radius end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APHP2R-D1.0R0.2	2	1.0	4	3.0	0.2	50	18010002280	☆
APHP2R-D1.5R0.2	2	1.5	4	4.0	0.2	50	18010002281	☆
APHP2R-D2.0R0.2	2	2.0	4	6.0	0.2	50	18010002282	☆
APHP2R-D2.5R0.2	2	2.5	4	8.0	0.2	50	18010002283	☆
APHP2R-D3.0R0.2	2	3.0	4	8.0	0.2	50	18010002284	☆
APHP2R-D3.0R0.5	2	3.0	4	8.0	0.5	50	18010002285	☆
APHP2R-D4.0R0.2	2	4.0	4	11.0	0.2	50	18010002286	☆
APHP2R-D4.0R0.5	2	4.0	4	11.0	0.5	50	18010002287	☆
APHP2R-D5.0R0.5	2	5.0	6	13.0	0.5	50	18010002288	☆
APHP2R-D5.0R1.0	2	5.0	6	13.0	1.0	50	18010002289	☆
APHP2R-D6.0R0.5	2	6.0	6	16.0	0.5	50	18010002290	☆
APHP2R-D6.0R1.0	2	6.0	6	16.0	1.0	50	18010002291	☆
APHP2R-D8.0R0.5	2	8.0	8	20.0	0.5	60	18010002292	☆
APHP2R-D8.0R1.0	2	8.0	8	20.0	1.0	60	18010002293	☆
APHP2R-D10.0R0.5	2	10.0	10	25.0	0.5	75	18010002294	☆
APHP2R-D10.0R1.0	2	10.0	10	25.0	1.0	75	18010002295	☆
APHP2R-D10.0R1.5	2	10.0	10	25.0	1.5	75	18010002296	☆
APHP2R-D10.0R2.0	2	10.0	10	25.0	2.0	75	18010002297	☆
APHP2R-D12.0R0.5	2	12.0	12	30.0	0.5	75	18010002298	☆
APHP2R-D12.0R1.0	2	12.0	12	30.0	1.0	75	18010002299	☆
APHP2R-D12.0R1.5	2	12.0	12	30.0	1.5	75	18010002300	☆
APHP2R-D12.0R2.0	2	12.0	12	30.0	2.0	75	18010002301	☆
APHP2R-D16.0R1.0	2	16.0	16	45.0	1.0	100	18010002302	☆
APHP2R-D16.0R1.5	2	16.0	16	45.0	1.5	100	18010002303	☆
APHP2R-D16.0R2.0	2	16.0	16	45.0	2.0	100	18010002304	☆
APHP2R-D16.0R3.0	2	16.0	16	45.0	3.0	100	18010002305	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	<b>H</b> 高硬度SS/HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度SS/HRC以上 High hardness steel Above 55HRC
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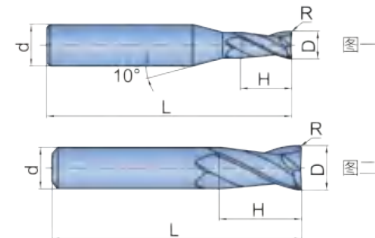
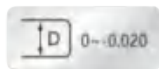
高性能通用加工APHP系列 APHP Series For High Performance Machining

二刃，直柄，加长，圆鼻立铣刀

2 flute, Straight shank, long type, corner radius end mill



涂层  
H-Si



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APHP2RL-D6.0R0.5	2	6.0	6	16.0	0.5	75	18010002306	☆
APHP2RL-D6.0R1.0	2	6.0	6	16.0	1.0	75	18010002307	☆
APHP2RL-D8.0R0.5	2	8.0	8	20.0	0.5	100	18010002308	☆
APHP2RL-D8.0R1.0	2	8.0	8	20.0	1.0	100	18010002309	☆
APHP2RL-D10.0R0.5	2	10.0	10	25.0	0.5	100	18010002310	☆
APHP2RL-D10.0R1.0	2	10.0	10	25.0	1.0	100	18010002311	☆
APHP2RL-D10.0R2.0	2	10.0	10	25.0	2.0	100	18010002312	☆
APHP2RL-D12.0R0.5	2	12.0	12	30.0	0.5	100	18010002313	☆
APHP2RL-D12.0R1.0	2	12.0	12	30.0	1.0	100	18010002314	☆
APHP2RL-D12.0R2.0	2	12.0	12	30.0	2.0	100	18010002315	☆
APHP2RL-D16.0R1.0	2	16.0	16	45.0	1.0	150	18010002316	☆
APHP2RL-D16.0R2.0	2	16.0	16	45.0	2.0	150	18010002317	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order


推荐被加工材料 RECOMMENDED MACHINING MATERIAL

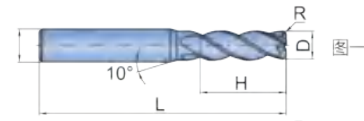
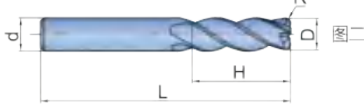
★ 非常适合 very suitable ☆ 适合 suitable

★ <b>P</b> 碳钢, 合金钢 Carbon steel	★ <b>P</b> 预硬钢 Pre-hardened steel	★ <b>M</b> 不锈钢 Stainless steel	★ <b>K</b> 铸铁 Cast iron	★ <b>N</b> 铜合金 Copper alloy	★ <b>N</b> 铝合金 Aluminum alloy	☆ <b>S</b> 钛合金, 耐热合金 Titanium alloy, Heat resistant alloy	★ <b>H</b> 高硬度SS-HRC以下 High hardness steel Below 55-HRC	★ <b>H</b> 高硬度SS-HRC以上 High hardness steel Above 55-HRC
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■ 四刃，直柄，标准长，圆鼻立铣刀

4 flute, Straight shank, Standard length, corner radius end mill







涂层  
H-Si


35°

D 0--0.020


4



圆弧铣刀槽加工  
Corner radius for slot machining



圆弧铣刀侧面加工  
Corner radius for side machining



圆弧铣刀仿形加工  
Corner radius for profile machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APHP2R-D1.0R0.2	2	1.0	4	3.0	0.2	50	18010002280	☆
APHP2R-D1.5R0.2	2	1.5	4	4.0	0.2	50	18010002281	☆
APHP2R-D2.0R0.2	2	2.0	4	6.0	0.2	50	18010002282	☆
APHP2R-D2.5R0.2	2	2.5	4	8.0	0.2	50	18010002283	☆
APHP2R-D3.0R0.2	2	3.0	4	8.0	0.2	50	18010002284	☆
APHP2R-D3.0R0.5	2	3.0	4	8.0	0.5	50	18010002285	☆
APHP2R-D4.0R0.2	2	4.0	4	11.0	0.2	50	18010002286	☆
APHP2R-D4.0R0.5	2	4.0	4	11.0	0.5	50	18010002287	☆
APHP2R-D5.0R0.5	2	5.0	6	13.0	0.5	50	18010002288	☆
APHP2R-D5.0R1.0	2	5.0	6	13.0	1.0	50	18010002289	☆
APHP2R-D6.0R0.5	2	6.0	6	16.0	0.5	50	18010002290	☆
APHP2R-D6.0R1.0	2	6.0	6	16.0	1.0	50	18010002291	☆
APHP2R-D8.0R0.5	2	8.0	8	20.0	0.5	60	18010002292	☆
APHP2R-D8.0R1.0	2	8.0	8	20.0	1.0	60	18010002293	☆
APHP2R-D10.0R0.5	2	10.0	10	25.0	0.5	75	18010002294	☆
APHP2R-D10.0R1.0	2	10.0	10	25.0	1.0	75	18010002295	☆
APHP2R-D10.0R1.5	2	10.0	10	25.0	1.5	75	18010002296	☆
APHP2R-D10.0R2.0	2	10.0	10	25.0	2.0	75	18010002297	☆
APHP2R-D12.0R0.5	2	12.0	12	30.0	0.5	75	18010002298	☆
APHP2R-D12.0R1.0	2	12.0	12	30.0	1.0	75	18010002299	☆
APHP2R-D12.0R1.5	2	12.0	12	30.0	1.5	75	18010002300	☆
APHP2R-D12.0R2.0	2	12.0	12	30.0	2.0	75	18010002301	☆
APHP2R-D16.0R1.0	2	16.0	16	45.0	1.0	100	18010002302	☆
APHP2R-D16.0R1.5	2	16.0	16	45.0	1.5	100	18010002303	☆
APHP2R-D16.0R2.0	2	16.0	16	45.0	2.0	100	18010002304	☆
APHP2R-D16.0R3.0	2	16.0	16	45.0	3.0	100	18010002305	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ P

碳钢, 合金钢  
Carbon steel

★ P

预硬钢  
Pre-hardened steel

★ M

不锈钢  
Stainless steel

★ K

铸铁  
Cast iron

★ N

铜合金  
Copper alloy

★ N

铝合金  
Aluminum alloy

★ S

钛合金, 耐热合金  
Titanium alloy

★ H

高硬度SSHRCl以下  
High hardness steel  
Below SSHRCl

★ H

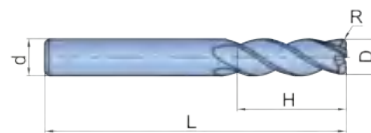
高硬度SSHRCl以上  
High hardness steel  
Above SSHRCl

★ 非常适合 very suitable ☆ 适合 suitable

高性能通用加工APHP系列 APHP Series For High Performance Machining

■ 四刃，直柄，加长，圆鼻立铣刀

4 flute, Straight shank, long type, corner radius end mill



涂层 H-Si

35°

Ds 12 0--0.020  
12-D 0--0.030

4



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APHP2RL-D6.0R0.5	2	6.0	6	16.0	0.5	75	18010002306	☆
APHP2RL-D6.0R1.0	2	6.0	6	16.0	1.0	75	18010002307	☆
APHP2RL-D8.0R0.5	2	8.0	8	20.0	0.5	100	18010002308	☆
APHP2RL-D8.0R1.0	2	8.0	8	20.0	1.0	100	18010002309	☆
APHP2RL-D10.0R0.5	2	10.0	10	25.0	0.5	100	18010002310	☆
APHP2RL-D10.0R1.0	2	10.0	10	25.0	1.0	100	18010002311	☆
APHP2RL-D10.0R2.0	2	10.0	10	25.0	2.0	100	18010002312	☆
APHP2RL-D12.0R0.5	2	12.0	12	30.0	0.5	100	18010002313	☆
APHP2RL-D12.0R1.0	2	12.0	12	30.0	1.0	100	18010002314	☆
APHP2RL-D12.0R2.0	2	12.0	12	30.0	2.0	100	18010002315	☆
APHP2RL-D16.0R1.0	2	16.0	16	45.0	1.0	150	18010002316	☆
APHP2RL-D16.0R2.0	2	16.0	16	45.0	2.0	150	18010002317	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	N 铜合金 Copper alloy	N 铝合金 Aluminum alloy	★ S 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	★ H 高硬度55HRC以下 High hardness steel Below 55HRC	H 高硬度55HRC以上 High hardness steel Above 55HRC
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二刃，直柄，标准长，平头立铣刀  
2 flute, Straight shank, Standard length, Flat end mill



涂层 NaNo nACo5

35°

Ds 12 0--0.020  
12xD 0--0.030

2

平头铣刀侧面加工 Flat end mills for side machining  
平头铣刀台阶加工 Flat end mills for shoulder machining  
平头铣刀直角槽加工 Flat end mills for straight slot machining

Item code 型号	Number of Flute 刃数	D(mm)		F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHH2E-D1.0-H4	2	1.0	4	3	50	18010003001	☆
APHH2E-D1.5-H4	2	1.5	4	4	50	18010003002	☆
APHH2E-D2.0-H4	2	2.0	4	6	50	18010003003	☆
APHH2E-D2.5-H4	2	2.5	4	8	50	18010003004	☆
APHH2E-D3.0-H4	2	3.0	4	8	50	18010003005	☆
APHH2E-D4.0-H4	2	4.0	4	11	50	18010003006	☆
APHH2E-D1.0	2	1.0	6	3	50	18010003007	☆
APHH2E-D1.5	2	1.5	6	4	50	18010003008	☆
APHH2E-D2.0	2	2.0	6	6	50	18010003009	☆
APHH2E-D2.5	2	2.5	6	8	50	18010003010	☆
APHH2E-D3.0	2	3.0	6	8	50	18010003011	☆
APHH2E-D3.5	2	3.5	6	10	50	18010003012	☆
APHH2E-D4.0	2	4.0	6	11	50	18010003013	☆
APHH2E-D4.5	2	4.5	6	11	50	18010003014	☆
APHH2E-D5.0	2	5.0	6	13	50	18010003015	☆
APHH2E-D5.5	2	5.5	6	16	50	18010003016	☆
APHH2E-D6.0	2	6.0	6	16	50	18010003017	☆
APHH2E-D7.0	2	7.0	8	20	60	18010003018	☆
APHH2E-D8.0	2	8.0	8	20	60	18010003019	☆
APHH2E-D9.0	2	9.0	10	22	75	18010003020	☆
APHH2E-D10.0	2	10.0	10	25	75	18010003021	☆
APHH2E-D11.0	2	11.0	12	26	75	18010003022	☆
APHH2E-D12.0	2	12.0	12	30	75	18010003023	☆
APHH2E-D14.0	2	14.0	14	32	100	18010003024	☆
APHH2E-D16.0	2	16.0	16	45	100	18010003025	☆
APHH2E-D18.0	2	18.0	18	45	100	18010003026	☆
APHH2E-D20.0	2	20.0	20	45	100	18010003027	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL


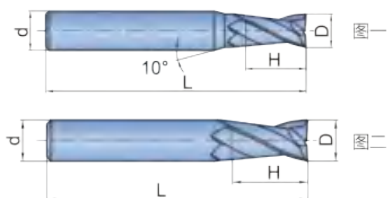
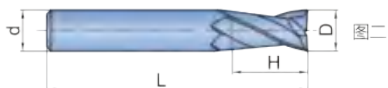
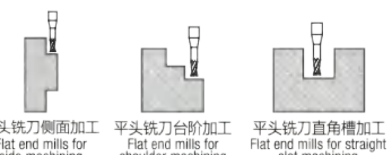
★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 锆合金 Titanium alloy	<b>H</b> 高硬度SS/HRc以下 High hardness steel Below SS/HRc	<b>H</b> 高硬度SS/HRc以上 High hardness steel Above SS/HRc
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高硬度材料加工APHH系列 APHH Series For High Hardness Material Machining

二刃，直柄，加长，平头立铣刀

2 flute, Straight shank, long type, Flat end mill

涂层: NaNo nAlCo5

35°

Ds 12 0~-0.020  
12\*D 0~-0.030

2

平头铣刀侧面加工  
Flat end mills for side machining

平头铣刀台阶加工  
Flat end mills for shoulder machining

平头铣刀直角槽加工  
Flat end mills for straight slot machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHH2EL-D3.0-H4	2	3.0	4	12	75	18010003028	★
APHH2EL-D4.0-H4	2	4.0	4	15	75	18010003029	★
APHH2EL-D3.0	2	3.0	6	12	100	18010003030	★
APHH2EL-D4.0	2	4.0	6	15	100	18010003031	★
APHH2EL-D5.0	2	5.0	6	20	100	18010003032	★
APHH2EL-D6.0	2	6.0	6	20	100	18010003033	★
APHH2EL-D8.0	2	8.0	8	25	100	18010003034	★
APHH2EL-D10.0	2	10.0	10	30	100	18010003035	★
APHH2EL-D12.0	2	12.0	12	35	100	18010003036	★
APHH2EL-D14.0	2	14.0	14	40	100	18010003037	★
APHH2EL-D16.0	2	16.0	16	50	150	18010003038	★
APHH2EL-D20.0	2	20.0	18	55	150	18010003039	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Titanium alloy	★ H 高硬度55HRC以下 High hardness steel Below 55HRC	★ H 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 四刃，直柄，标准长，平头立铣刀  
4 flute, Straight shank, Standard length, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHH4E-D1.0-H4	4	1.0	4	3	50	18010003040	★
APHH4E-D1.5-H4	4	1.5	4	4	50	18010003041	★
APHH4E-D2.0-H4	4	2.0	4	6	50	18010003042	★
APHH4E-D2.5-H4	4	2.5	4	8	50	18010003043	★
APHH4E-D3.0-H4	4	3.0	4	8	50	18010003044	★
APHH4E-D4.0-H4	4	4.0	4	11	50	18010003045	★
APHH4E-D1.0	4	1.0	6	3	50	18010003046	★
APHH4E-D1.5	4	1.5	6	4	50	18010003047	★
APHH4E-D2.0	4	2.0	6	6	50	18010003048	★
APHH4E-D2.5	4	2.5	6	8	50	18010003049	★
APHH4E-D3.0	4	3.0	6	8	50	18010003050	★
APHH4E-D3.5	4	3.5	6	10	50	18010003051	★
APHH4E-D4.0	4	4.0	6	11	50	18010003052	★
APHH4E-D4.5	4	4.5	6	11	50	18010003053	★
APHH4E-D5.0	4	5.0	6	13	50	18010003054	★
APHH4E-D5.5	4	5.5	6	16	50	18010003055	★
APHH4E-D6.0	4	6.0	6	16	50	18010003056	★
APHH4E-D7.0	4	7.0	8	20	60	18010003057	★
APHH4E-D8.0	4	8.0	8	20	60	18010003058	★
APHH4E-D9.0	4	9.0	10	22	75	18010003059	★
APHH4E-D10.0	4	10.0	10	25	75	18010003060	★
APHH4E-D11.0	4	11.0	12	26	75	18010003061	★
APHH4E-D12.0	4	12.0	12	30	75	18010003062	★
APHH4E-D14.0	4	14.0	14	32	100	18010003063	★
APHH4E-D16.0	4	16.0	16	45	100	18010003064	★
APHH4E-D18.0	4	18.0	18	45	100	18010003065	★
APHH4E-D20.0	4	20.0	20	45	100	18010003066	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	<b>H</b> 高硬度SSHRCL以下 High hardness steel Below SS1-HRC	<b>H</b> 高硬度SSHRCL以上 High hardness steel Above SS1-HRC
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高硬度材料加工APHH系列 APHH Series For High Hardness Material Machining

■ 四刃，直柄，加长，平头立铣刀  
4 flute, Straight shank, long type, Flat end mill

涂层  
NaNo nAlCo5

45°

Ds 12 0~-0.020  
12-D 0~-0.030

4

Item code 型号	Number of Flute 刃数	D(mm)		F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHH4EL-D3.0-H4	4	3.0	4	12	75	18010003067	★
APHH4EL-D4.0-H4	4	4.0	4	15	75	18010003068	★
APHH4EL-D3.0	4	3.0	6	12	75	18010003069	★
APHH4EL-D4.0	4	4.0	6	15	75	18010003070	★
APHH4EL-D5.0	4	5.0	6	20	75	18010003071	★
APHH4EL-D6.0	4	6.0	6	20	75	18010003072	★
APHH4EL-D8.0	4	8.0	8	25	75	18010003073	★
APHH4EL-D10.0	4	10.0	10	30	100	18010003074	★
APHH4EL-D12.0	4	12.0	12	35	100	18010003075	★
APHH4EL-D14.0	4	14.0	14	40	100	18010003076	★
APHH4EL-D16.0	4	16.0	16	50	150	18010003077	★
APHH4EL-D20.0	4	20.0	18	55	150	18010003078	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL    ★ 非常适合 very suitable    ☆ 适合 suitable

★ <b>P</b> 碳钢, 合金钢 Carbon steel	★ <b>P</b> 预硬钢 Pre-hardened steel	☆ <b>M</b> 不锈钢 Stainless steel	★ <b>K</b> 铸铁 Cast iron	★ <b>N</b> 铜合金 Copper alloy	★ <b>N</b> 铝合金 Aluminum alloy	☆ <b>S</b> 钛合金, 耐热合金 Titanium alloy, Heat resistant alloy	★ <b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	★ <b>H</b> 高硬度55HRC以上 High hardness steel Above 55HRC
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六刃，直柄，平头立铣刀  
6 flute, Straight shank, Flat end mill

涂层  
NaNo nACo5

45°

Ds 12 0--0.020  
12xD 0--0.030

6

平头铣刀侧面加工  
Flat end mills for side machining

平头铣刀台阶加工  
Flat end mills for shoulder machining

平头铣刀直角槽加工  
Flat end mills for straight slot machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHH6E-D6.0	6	6.0	6.0	16	60	18010003079	★
APHH6E-D8.0	6	8.0	8.0	20	60	18010003080	★
APHH6E-D10.0	6	10.0	10.0	30	75	18010003081	★
APHH6E-D12.0	6	12.0	12.0	32	75	18010003082	★
APHH6E-D16.0	6	16.0	16.0	40	100	18010003083	★
APHH6E-D20.0	6	20.0	20.0	45	100	18010003084	★
APHH6EL-D6.0	6	6.0	6.0	24	75	18010003085	☆
APHH6EL-D8.0	6	8.0	8.0	32	75	18010003086	☆
APHH6EL-D10.0	6	10.0	10.0	40	100	18010003087	☆
APHH6EL-D12.0	6	12.0	12.0	45	100	18010003088	☆
APHH6EL-D16.0	6	16.0	16.0	64	150	18010003089	☆
APHH6EL-D20.0	6	20.0	20.0	75	150	18010003090	☆

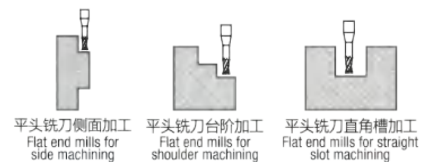
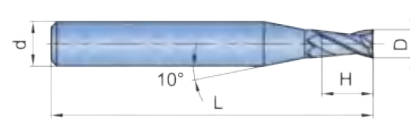
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

<p>★ <b>P</b></p> <p>碳钢, 合金钢 Carbon steel</p>	<p>★ <b>P</b></p> <p>预硬钢 Pre-hardened steel</p>	<p>☆ <b>M</b></p> <p>不锈钢 Stainless steel</p>	<p>★ <b>K</b></p> <p>铸铁 Cast iron</p>	<p><b>N</b></p> <p>铜合金 Copper alloy</p>	<p><b>N</b></p> <p>铝合金 Aluminum alloy</p>	<p>☆ <b>S</b></p> <p>钛合金, 锆合金 Titanium alloy</p>	<p>★ <b>H</b></p> <p>高硬度SSHRCL以下 High hardness steel Below 55HRC</p>	<p><b>H</b></p> <p>高硬度SSHRCL以上 High hardness steel Above 55HRC</p>
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高硬度材料加工APHH系列 APHH Series For High Hardness Material Machining

二刃，直柄，微小径，平头立铣刀  
2 flute, Straight shank, Tiny cutting diameter, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHH2ES-D0.3	2	0.3	4	0.6	50	18010003091	☆
APHH2ES-D0.4	2	0.4	4	0.8	50	18010003092	☆
APHH2ES-D0.5	2	0.5	4	1.0	50	18010003093	☆
APHH2ES-D0.6	2	0.6	4	1.2	50	18010003094	☆
APHH2ES-D0.7	2	0.7	4	1.4	50	18010003095	☆
APHH2ES-D0.8	2	0.8	4	1.6	50	18010003096	☆
APHH2ES-D0.9	2	0.9	4	1.8	50	18010003097	☆
APHH2ES-D1.0	2	1.0	4	2.0	50	18010003098	☆
APHH2ES-D1.1	2	1.1	4	2.0	50	18010003099	☆
APHH2ES-D1.2	2	1.2	4	2.5	50	18010003100	☆
APHH2ES-D1.3	2	1.3	4	2.5	50	18010003101	☆
APHH2ES-D1.4	2	1.4	4	3.0	50	18010003102	☆
APHH2ES-D1.5	2	1.5	4	3.0	50	18010003103	☆
APHH2ES-D1.6	2	1.6	4	3.5	50	18010003104	☆
APHH2ES-D1.7	2	1.7	4	3.5	50	18010003105	☆
APHH2ES-D1.8	2	1.8	4	4.0	50	18010003106	☆
APHH2ES-D1.9	2	1.9	4	4.0	50	18010003107	☆
APHH2ES-D2.0	2	2.0	4	4.0	50	18010003108	☆
APHH2ES-D2.1	2	2.1	4	4.0	50	18010003109	☆
APHH2ES-D2.2	2	2.2	4	4.5	50	18010003110	☆
APHH2ES-D2.3	2	2.3	4	4.5	50	18010003111	☆
APHH2ES-D2.4	2	2.4	4	5.0	50	18010003112	☆
APHH2ES-D2.5	2	2.5	4	5.0	50	18010003113	☆
APHH2ES-D2.6	2	2.6	4	5.0	50	18010003114	☆
APHH2ES-D2.7	2	2.7	4	5.5	50	18010003115	☆
APHH2ES-D2.8	2	2.8	4	5.0	50	18010003116	☆
APHH2ES-D2.9	2	2.9	4	6.0	50	18010003117	☆
APHH2ES-D3.0	2	3.0	4	6.0	50	18010003118	☆

★ 常备库存 Running Stock    ★ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable    ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Titanium alloy	★ H 高硬度SSHRC以下 High hardness steel Below 55HRC	★ H 高硬度SSHRC以上 High hardness steel Above 55HRC
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二刃，直柄，标准长，球头立铣刀  
2 flute, Straight shank, Standard length, Ball nose end mill



涂层: NaNo nACo5

35°

Ds 12 0--0.020  
12<D. 0--0.030

R R±0.01

2

Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切屑半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHH2B-R0.5-H4	2	0.5	4	2	50	18010003119	★
APHH2B-R0.75-H4	2	0.75	4	3	50	18010003120	★
APHH2B-R1.0-H4	2	1.0	4	4	50	18010003121	★
APHH2B-R1.25-H4	2	1.25	4	5	50	18010003122	★
APHH2B-R1.5-H4	2	1.5	4	6	50	18010003123	★
APHH2B-R2.0-H4	2	2.0	4	8	50	18010003124	★
APHH2B-R0.5	2	0.5	6	2	50	18010003125	★
APHH2B-R0.75	2	0.75	6	3	50	18010003126	★
APHH2B-R1.0	2	1.0	6	4	50	18010003127	★
APHH2B-R1.25	2	1.25	6	5	50	18010003128	★
APHH2B-R1.5	2	1.5	6	6	50	18010003129	★
APHH2B-R1.75	2	1.75	6	8	50	18010003130	★
APHH2B-R2.0	2	2.0	6	8	50	18010003131	★
APHH2B-R2.5	2	2.5	6	10	50	18010003132	★
APHH2B-R2.75	2	2.75	6	12	50	18010003133	★
APHH2B-R3.0	2	3.0	6	12	50	18010003134	★
APHH2B-R3.5	2	3.5	8	14	60	18010003135	★
APHH2B-R4.0	2	4.0	8	16	60	18010003136	★
APHH2B-R4.5	2	4.5	10	18	75	18010003137	★
APHH2B-R5.0	2	5.0	10	20	75	18010003138	★
APHH2B-R6.0	2	6.0	12	24	75	18010003139	★
APHH2B-R7.0	2	7.0	14	28	75	18010003140	★
APHH2B-R8.0	2	8.0	16	32	100	18010003141	★
APHH2B-R9.0	2	9.0	18	36	100	18010003142	★
APHH2B-R10.0	2	10.0	20	40	100	18010003143	★


★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	☆ S 钛合金, 耐蚀合金 Titanium alloy	★ H 高硬度SS(HRC)以下 High hardness steel Below 55HRC	★ H 高硬度SS(HRC)以上 High hardness steel Above 55HRC
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二刃，直柄，加长，球头立铣刀  
2 flute, Straight shank, long type, Ball nose end mill



涂层: NaNo nACo5

35°

D±12 0~-0.020  
12<D 0~-0.030

R±0.01

2

仿形加工 Copying machining  
型腔加工 Mold processing  
球形槽加工 Ball grooving

Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切削半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APHH2BL-R1.0	2	1.0	6	4	75	18010003144	☆
APHH2BL-R1.25	2	1.25	6	5	75	18010003145	☆
APHH2BL-R1.5	2	1.5	6	6	75	18010003146	☆
APHH2BL-R1.75	2	1.75	6	8	75	18010003147	☆
APHH2BL-R2.0	2	2.0	6	8	75	18010003148	☆
APHH2BL-R2.5	2	2.5	6	10	75	18010003149	☆
APHH2BL-R2.75	2	2.75	6	12	75	18010003150	☆
APHH2BL-R3.0	2	3.0	6	12	75	18010003151	☆
APHH2BL-R3.5	2	3.5	8	14	75	18010003152	☆
APHH2BL-R4.0	2	4.0	8	16	100	18010003153	☆
APHH2BL-R4.5	2	4.5	10	18	100	18010003154	☆
APHH2BL-R5.0	2	5.0	10	20	100	18010003155	☆
APHH2BL-R6.0	2	6.0	12	24	100	18010003156	☆
APHH2BL-R7.0	2	7.0	14	28	100	18010003157	☆
APHH2BL-R8.0	2	8.0	16	32	150	18010003158	☆
APHH2BL-R9.0	2	9.0	18	36	150	18010003159	☆
APHH2BL-R10.0	2	10.0	20	40	150	18010003160	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	☆ N 铜合金 Copper alloy	☆ N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Titanium alloy	★ H 高硬度55HRC以下 High hardness steel Below 55HRC	★ H 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 四刃，直柄，标准长，圆鼻立铣刀

4 flute, Straight shank, Standard length, corner radius end mill



涂层 NaNo nACo5

30°

D 0--0.020

4

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APHH4R-D3.0R0.2	2	3.0	4	8.0	0.2	50	18010003318	★
APHH4R-D3.0R0.5	2	3.0	4	8.0	0.5	50	18010003319	★
APHH4R-D4.0R0.2	2	4.0	4	11.0	0.2	50	18010003320	★
APHH4R-D4.0R0.5	2	4.0	4	11.0	0.5	50	18010003321	★
APHH4R-D5.0R0.5	2	5.0	6	13.0	0.5	50	18010003322	★
APHH4R-D5.0R1.0	2	5.0	6	13.0	1.0	50	18010003323	★
APHH4R-D6.0R0.5	2	6.0	6	16.0	0.5	50	18010003324	★
APHH4R-D6.0R1.0	2	6.0	6	16.0	1.0	50	18010003325	★
APHH4R-D8.0R0.5	2	8.0	8	20.0	0.5	60	18010003326	★
APHH4R-D8.0R1.0	2	8.0	8	20.0	1.0	60	18010003327	★
APHH4R-D10.0R0.5	2	10.0	10	25.0	0.5	75	18010003328	★
APHH4R-D10.0R1.0	2	10.0	10	25.0	1.0	75	18010003329	★
APHH4R-D10.0R1.5	2	10.0	10	25.0	1.5	75	18010003330	★
APHH4R-D10.0R2.0	2	10.0	10	25.0	2.0	75	18010003331	★
APHH4R-D12.0R0.5	2	12.0	12	30.0	0.5	75	18010003332	★
APHH4R-D12.0R1.0	2	12.0	12	30.0	1.0	75	18010003333	★
APHH4R-D12.0R1.5	2	12.0	12	30.0	1.5	75	18010003334	★
APHH4R-D12.0R2.0	2	12.0	12	30.0	2.0	75	18010003335	★
APHH4R-D16.0R1.0	2	16.0	16	45.0	1.0	100	18010003336	★
APHH4R-D16.0R1.5	2	16.0	16	45.0	1.5	100	18010003337	★
APHH4R-D16.0R2.0	2	16.0	16	45.0	2.0	100	18010003338	★
APHH4R-D16.0R3.0	2	16.0	16	45.0	3.0	100	18010003339	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order


■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable


★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	★ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	★ S 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	★ H 高硬度SS4RC以下 High hardness steel Below SS4RC	★ H 高硬度SS4RC以上 High hardness steel Above SS4RC
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高硬度材料加工APHH系列 APHH Series For High Hardness Material Machining

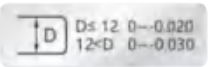
■ 四刃，直柄，加长，圆鼻立铣刀  
4 flute, Straight shank, long type, corner radius end mill



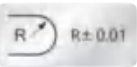
涂层  
NaNo nACo5




35°




D± 12 0--0.020  
12~D 0--0.030




R R± 0.01




4



圆弧铣刀槽加工  
Corner radius for slot machining



圆弧铣刀侧面加工  
Corner radius for side machining



圆弧铣刀仿形加工  
Corner radius for profile machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	R(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	Coner Radius 刀尖圆弧半径	overall length 总长		
APHH4RL-D6.0R0.5	2	6.0	6	16.0	0.5	75	18010003340	★
APHH4RL-D6.0R1.0	2	6.0	6	16.0	0.5	75	18010003341	★
APHH4RL-D8.0R0.5	2	8.0	8	20.0	0.5	100	18010003342	★
APHH4RL-D8.0R1.0	2	8.0	8	20.0	1.0	100	18010003343	★
APHH4RL-D10.0R0.5	2	10.0	10	25.0	0.5	100	18010003344	★
APHH4RL-D10.0R1.0	2	10.0	10	25.0	1.0	100	18010003345	★
APHH4RL-D10.0R2.0	2	10.0	10	25.0	2.0	100	18010003346	★
APHH4RL-D12.0R0.5	2	12.0	12	30.0	0.5	100	18010003347	★
APHH4RL-D12.0R1.0	2	12.0	12	30.0	1.0	100	18010003348	★
APHH4RL-D12.0R2.0	2	12.0	12	30.0	2.0	100	18010003349	★
APHH4RL-D16.0R2.0	2	16.0	16	45.0	2.0	150	18010003350	★
APHH4RL-D16.0R3.0	2	16.0	16	45.0	3.0	150	18010003351	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

<span style="color: orange;">★</span> <b>P</b> 碳钢, 合金钢 Carbon steel	<span style="color: orange;">★</span> <b>P</b> 预硬钢 Pre-hardened steel	<span style="color: orange;">☆</span> <b>M</b> 不锈钢 Stainless steel	<span style="color: orange;">★</span> <b>K</b> 铸铁 Cast iron	<span style="color: orange;">★</span> <b>N</b> 铜合金 Copper alloy	<span style="color: orange;">★</span> <b>N</b> 铝合金 Aluminum alloy	<span style="color: orange;">☆</span> <b>S</b> 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	<span style="color: orange;">★</span> <b>H</b> 高硬度SSHRc以下 High hardness steel Below SS+RC	<span style="color: orange;">★</span> <b>H</b> 高硬度SSHRc以上 High hardness steel Above SS+RC
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■ 四刃，直柄，标准长，平头立铣刀  
4 flute, Straight shank, Standard length, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)		F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APSS4E-D1.0-H4	4	1.0	4	3	50	18010004001	★
APSS4E-D1.5-H4	4	1.5	4	4	50	18010004002	★
APSS4E-D2.0-H4	4	2.0	4	6	50	18010004003	★
APSS4E-D2.5-H4	4	2.5	4	8	50	18010004004	★
APSS4E-D3.0-H4	4	3.0	4	8	50	18010004005	★
APSS4E-D4.0-H4	4	4.0	4	11	50	18010004006	★
APSS4E-D1.0	4	1.0	6	3	50	18010004007	★
APSS4E-D1.5	4	1.5	6	4	50	18010004008	★
APSS4E-D2.0	4	2.0	6	6	50	18010004009	★
APSS4E-D2.5	4	2.5	6	8	50	18010004010	★
APSS4E-D3.0	4	3.0	6	8	50	18010004011	★
APSS4E-D3.5	4	3.5	6	10	50	18010004012	★
APSS4E-D4.0	4	4.0	6	11	50	18010004013	★
APSS4E-D4.5	4	4.5	6	11	50	18010004014	★
APSS4E-D5.0	4	5.0	6	13	50	18010004015	★
APSS4E-D5.5	4	5.5	6	16	50	18010004016	★
APSS4E-D6.0	4	6.0	6	16	50	18010004017	★
APSS4E-D7.0	4	7.0	8	20	60	18010004018	★
APSS4E-D8.0	4	8.0	8	20	60	18010004019	★
APSS4E-D9.0	4	9.0	10	22	75	18010004020	★
APSS4E-D10.0	4	10.0	10	25	75	18010004021	★
APSS4E-D11.0	4	11.0	12	26	75	18010004022	★
APSS4E-D12.0	4	12.0	12	30	75	18010004023	★
APSS4E-D14.0	4	14.0	14	32	100	18010004024	★
APSS4E-D16.0	4	16.0	16	45	100	18010004025	★
APSS4E-D18.0	4	18.0	18	45	100	18010004026	★
APSS4E-D20.0	4	20.0	20	45	100	18010004027	★


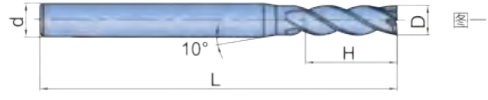
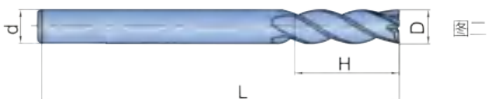
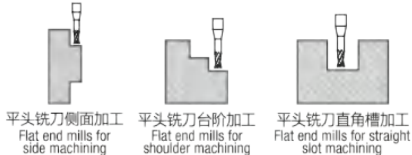
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

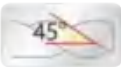
<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SSHRc以下 High hardness steel Below 53HRC	<b>H</b> 高硬度SSHRc以上 High hardness steel Above 53HRC
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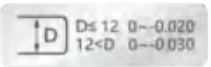
不锈钢专用APSS系列 APSS Series For Stainless Steel Machining

■ 四刃，直柄，加长，平头立铣刀  
4 flute, Straight shank, long type, Flat end mill







涂层  
TiAlCrN





D ≤ 12 0--0.020  
12 < D 0--0.030



Item code 型号	Number of Flute 刃数	D(mm)		F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APSS4EL-D3.0-H4	4	3.0	4	12	75	18010004028	★
APSS4EL-D4.0-H4	4	4.0	4	15	75	18010004029	★
APSS4EL-D3.0	4	3.0	6	12	75	18010004030	★
APSS4EL-D4.0	4	4.0	6	15	75	18010004031	★
APSS4EL-D5.0	4	5.0	6	20	75	18010004032	★
APSS4EL-D6.0	4	6.0	6	20	75	18010004033	★
APSS4EL-D8.0	4	8.0	8	25	75	18010004034	★
APSS4EL-D10.0	4	10.0	10	30	100	18010004035	★
APSS4EL-D12.0	4	12.0	12	35	100	18010004036	★
APSS4EL-D14.0	4	14.0	14	40	100	18010004037	★
APSS4EL-D16.0	4	16.0	16	50	150	18010004038	★
APSS4EL-D20.0	4	20.0	18	55	150	18010004039	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL    ★ 非常适合 very suitable    ☆ 适合 suitable

★ <b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	★ <b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	☆ <b>S</b> 钛合金, 钨钼合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 二刃，直柄，标准长，球头立铣刀

2 flute, Straight shank, Standard length, Ball nose end mill



Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切削半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APSS2B-R0.5-H4	2	0.5	4	2	50	18010004040	★
APSS2B-R0.75-H4	2	0.75	4	3	50	18010004041	★
APSS2B-R1.0-H4	2	1.0	4	4	50	18010004042	★
APSS2B-R1.25-H4	2	1.25	4	5	50	18010004043	★
APSS2B-R1.5-H4	2	1.5	4	6	50	18010004044	★
APSS2B-R2.0-H4	2	2.0	4	8	50	18010004045	★
APSS2B-R0.5	2	0.5	6	2	50	18010004046	★
APSS2B-R0.75	2	0.75	6	3	50	18010004047	★
APSS2B-R1.0	2	1.0	6	4	50	18010004048	★
APSS2B-R1.25	2	1.25	6	5	50	18010004049	★
APSS2B-R1.5	2	1.5	6	6	50	18010004050	★
APSS2B-R1.75	2	1.75	6	8	50	18010004051	★
APSS2B-R2.0	2	2.0	6	8	50	18010004052	★
APSS2B-R2.5	2	2.5	6	10	50	18010004053	★
APSS2B-R3.0	2	3.0	6	12	50	18010004054	★
APSS2B-R3.5	2	3.5	8	14	60	18010004055	★
APSS2B-R4.0	2	4.0	8	16	60	18010004056	★
APSS2B-R4.5	2	4.5	10	18	75	18010004057	★
APSS2B-R5.0	2	5.0	10	20	75	18010004058	★
APSS2B-R6.0	2	6.0	12	24	75	18010004059	★
APSS2B-R7.0	2	7.0	14	28	75	18010004060	★
APSS2B-R8.0	2	8.0	16	32	100	18010004061	★
APSS2B-R9.0	2	9.0	18	36	100	18010004062	★
APSS2B-R10.0	2	10.0	20	40	100	18010004063	★

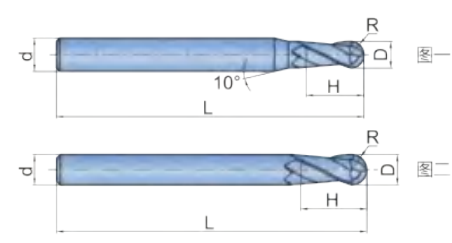
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 **RECOMMENDED MACHINING MATERIAL** ★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SSHRc以下 High hardness steel Below 53HRC	<b>H</b> 高硬度SSHRc以上 High hardness steel Above 53HRC
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不锈钢专用APSS系列 APSS Series For Stainless Steel Machining

二刃，直柄，加长，球头立铣刀  
2 flute, Straight shank, long type, Ball nose end mill

涂层  
TiAlCrN

35°

D±12 0--0.020  
12-D 0--0.030

R R±0.01

2

仿形加工  
Copying machining

型腔加工  
Mold processing

球形槽加工  
Ball grooving

Item code 型号	Number of Flute 刃数	R(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Radius 切削半径	shank Dia 柄径	flute length 刃长	overall length 总长		
APSS2BL-R1.0	2	1.0	6	4	75	18010004064	★
APSS2BL-R1.5	2	1.5	6	6	75	18010004065	★
APSS2BL-R2.0	2	2.0	6	8	75	18010004066	★
APSS2BL-R2.5	2	2.5	6	10	75	18010004067	★
APSS2BL-R3.0	2	3.0	6	12	75	18010004068	★
APSS2BL-R4.0	2	4.0	8	16	100	18010004069	★
APSS2BL-R5.0	2	5.0	10	20	100	18010004070	★
APSS2BL-R6.0	2	6.0	12	24	100	18010004071	★
APSS2BL-R7.0	2	7.0	14	28	100	18010004072	★
APSS2BL-R8.0	2	8.0	16	32	150	18010004073	★
APSS2BL-R10.0	2	10.0	20	40	150	18010004074	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ **P**  
碳钢, 合金钢  
Carbon steel

**P**  
预硬钢  
Pre-hardened steel

★ **M**  
不锈钢  
Stainless steel

**K**  
铸铁  
Cast iron

**N**  
铜合金  
Copper alloy

**N**  
铝合金  
Aluminum alloy

☆ **S**  
钛合金, 锆合金  
Heat resistant alloy, Titanium alloy

**H**  
高硬度55HRC以下  
High hardness steel Below 55HRC

**H**  
高硬度55HRC以上  
High hardness steel Above 55HRC

★ 非常适合 very suitable ☆ 适合 suitable

■ 二刃，直柄，标准长，平头立铣刀  
2 flute, Straight shank, Standard length, Flat end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APAL2E-D1.0-H4	2	1.0	4	3	50	18010005001	★
APAL2E-D1.5-H4	2	1.5	4	4	50	18010005002	★
APAL2E-D2.0-H4	2	2.0	4	6	50	18010005003	★
APAL2E-D2.5-H4	2	2.5	4	7	50	18010005004	★
APAL2E-D3.0-H4	2	3.0	4	9	50	18010005005	★
APAL2E-D4.0-H4	2	4.0	4	12	50	18010005006	★
APAL2E-D5.0	2	5.0	6	15	50	18010005007	★
APAL2E-D6.0	2	6.0	6	18	50	18010005008	★
APAL2E-D8.0	2	8.0	8	20	60	18010005009	★
APAL2E-D10.0	2	10.0	10	30	75	18010005010	★
APAL2E-D12.0	2	12.0	12	35	75	18010005011	★
APAL2E-D16.0	2	16.0	16	45	100	18010005012	★
APAL2E-D20.0	2	20.0	20	45	100	18010005013	★

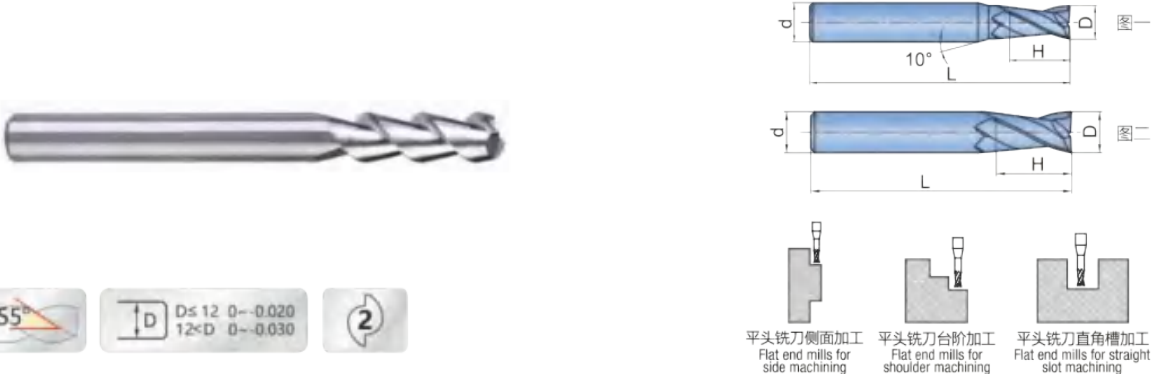
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 **RECOMMENDED MACHINING MATERIAL**    ★ 非常适合 very suitable    ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SSHRc以下 High hardness steel Below 53HRC	<b>H</b> 高硬度SSHRc以上 High hardness steel Above 53HRC
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铝加工APAL系列 APAL Series For Aluminum Machining

二刃，直柄，加长，平头立铣刀  
2 flute, Straight shank, long type, Flat end mill



Technical drawings showing dimensions:  $d$  (shank diameter),  $D$  (cutting diameter),  $F$  (flute length),  $L$  (overall length), and  $H$  (flute height). A  $10^\circ$  angle is indicated at the cutting edge. A  $55^\circ$  angle is shown on the cutting edge detail. Tolerances:  $D \leq 12$  0--0.020,  $12 < D$  0--0.030. A rotation symbol with '2' indicates 2 flutes.

Application diagrams: 平头铣刀侧面加工 (Flat end mills for side machining), 平头铣刀台阶加工 (Flat end mills for shoulder machining), 平头铣刀直角槽加工 (Flat end mills for straight slot machining).

Item code 型号	Number of Flute 刃数	D(mm)		F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APAL2EL-D3.0-H4	2	3.0	4	12	75	18010005014	★
APAL2EL-D4.0-H4	2	4.0	4	16	75	18010005015	★
APAL2EL-D3.0	2	3.0	6	12	75	18010005016	★
APAL2EL-D4.0	2	4.0	6	16	75	18010005017	★
APAL2EL-D5.0	2	5.0	6	20	75	18010005018	★
APAL2EL-D6.0	2	6.0	6	25	75	18010005019	★
APAL2EL-D8.0	2	8.0	8	35	75	18010005020	★
APAL2EL-D10.0	2	10.0	10	45	100	18010005021	★
APAL2EL-D12.0	2	12.0	12	45	100	18010005022	★
APAL2EL-D16.0	2	16.0	16	65	150	18010005023	★
APAL2EL-D20.0	2	20.0	18	75	150	18010005024	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55-HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55-HRC
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■ **三刃，直柄，标准长，平头立铣刀**  
**3 flute, Straight shank, Standard length, Flat end mil**

平头铣刀侧面加工  
Flat end mills for side machining

平头铣刀台阶加工  
Flat end mills for shoulder machining

平头铣刀直角槽加工  
Flat end mills for straight slot machining

Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APAL3E-D1.0-H4	2	1.0	4	3	50	18010005025	★
APAL3E-D1.5-H4	2	1.5	4	4	50	18010005026	★
APAL3E-D2.0-H4	2	2.0	4	6	50	18010005027	★
APAL3E-D2.5-H4	2	2.5	4	7	50	18010005028	★
APAL3E-D3.0-H4	2	3.0	4	9	50	18010005029	★
APAL3E-D4.0-H4	2	4.0	4	12	50	18010005030	★
APAL3E-D5.0	2	5.0	6	15	50	18010005031	★
APAL3E-D6.0	2	6.0	6	18	50	18010005032	★
APAL3E-D8.0	2	8.0	8	20	60	18010005033	★
APAL3E-D10.0	2	10.0	10	30	75	18010005034	★
APAL3E-D12.0	2	12.0	12	35	75	18010005035	★
APAL3E-D16.0	2	16.0	16	45	100	18010005036	★
APAL3E-D20.0	2	20.0	20	45	100	18010005037	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ **推荐被加工材料 RECOMMENDED MACHINING MATERIAL**    ★ 非常适合 very suitable    ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度SSHR以下 High hardness steel Below 53HRC	<b>H</b> 高硬度SSHR以上 High hardness steel Above 53HRC
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铝加工APAL系列 APAL Series For Aluminum Machining

二刃，直柄，加长，平头立铣刀  
3 flute, Straight shank, long type, Flat end mill

Technical drawings showing dimensions:  $d$  (shank diameter),  $D$  (cutting diameter),  $L$  (overall length),  $F$  (flute length), and  $H$  (flute height). A  $10^\circ$  angle is indicated at the tip. Three application diagrams show: 平头铣刀侧面加工 (Flat end mills for side machining), 平头铣刀台阶加工 (Flat end mills for shoulder machining), and 平头铣刀直角槽加工 (Flat end mills for straight slot machining).

Specifications:  $45^\circ$  angle,  $D \leq 12$  0--0.020,  $12 < D$  0--0.030, 3 flutes.

Item code 型号	Number of Flute 刃数	D(mm)		L(mm)		Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APAL3EL-D3.0-H4	2	3.0	4	12	75	18010005038	★
APAL3EL-D4.0-H4	2	4.0	4	16	75	18010005039	★
APAL3EL-D3.0	2	3.0	6	12	75	18010005040	★
APAL3EL-D4.0	2	4.0	6	16	75	18010005041	★
APAL3EL-D5.0	2	5.0	6	20	75	18010005042	★
APAL3EL-D6.0	2	6.0	6	25	75	18010005043	★
APAL3EL-D8.0	2	8.0	8	35	75	18010005044	★
APAL3EL-D10.0	2	10.0	10	45	100	18010005045	★
APAL3EL-D12.0	2	12.0	12	45	100	18010005046	★
APAL3EL-D16.0	2	16.0	16	65	150	18010005047	★
APAL3EL-D20.0	2	20.0	18	75	150	18010005048	★

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55-HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55-HRC
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二刃，直柄，球头立铣刀  
2 flute, Straight shank, Ball nose end mill



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长		
APAL2B-R1.0-H4	2	1.0	4	4	50	18010005049	★
APAL2B-R1.5-H4	2	1.5	4	6	50	18010005050	★
APAL2B-R2.0-H4	2	2.0	4	8	50	18010005051	★
APAL2B-R2.5	2	2.5	6	10	50	18010005052	★
APAL2B-R3.0	2	3.0	6	12	50	18010005053	★
APAL2B-R4.0	2	4.0	8	16	60	18010005054	★
APAL2B-R5.0	2	5.0	10	20	75	18010005055	★
APAL2B-R6.0	2	6.0	12	24	75	18010005056	★
APAL2BL-R1.0-H4	2	1.0	4	4	75	18010005057	★
APAL2BL-R1.5-H4	2	1.5	4	6	75	18010005058	★
APAL2BL-R2.0-H4	2	2.0	4	8	75	18010005059	★
APAL2BL-R2.5	2	2.5	6	10	75	18010005060	★
APAL2BL-R3.0	2	3.0	6	12	75	18010005061	★
APAL2BL-R4.0	2	4.0	8	16	100	18010005062	★
APAL2BL-R5.0	2	5.0	10	20	100	18010005063	★
APAL2BL-R6.0	2	6.0	12	24	100	18010005064	★

★ 常备库存 Running Stock    ★ 按订单生产 Make-to-order

推荐被加工材料 **RECOMMENDED MACHINING MATERIAL**    ★ 非常适合 very suitable    ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55HRC
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铝加工APAL系列 APAL Series For Aluminum Machining

■ 三刃，直柄，粗加工立铣刀  
3 flute, Straight shank, Roughing end mill

Technical specifications and application diagrams are provided above the table.

Item code 型号	Number of Flute 刃数	D(mm)		F(mm)		L(mm)		Order number 订单编号	Stock 库存
		cutting Dia 切削直径	shank Dia 柄径	flute length 刃长	overall length 总长				
APAL3C-D6.0	4	6.0	6	16	50	18010005065	★		
APAL3C-D8.0	4	8.0	8	20	60	18010005066	★		
APAL3C-D10.0	4	10.0	10	25	75	18010005067	★		
APAL3C-D12.0	4	12.0	12	30	75	18010005068	★		
APAL3C-D16.0	4	16.0	16	45	100	18010005069	★		
APAL3C-D20.0	4	20.0	20	45	100	18010005070	★		

★ 常备库存 Running Stock    ★ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL    ★ 非常适合 very suitable    ☆ 适合 suitable

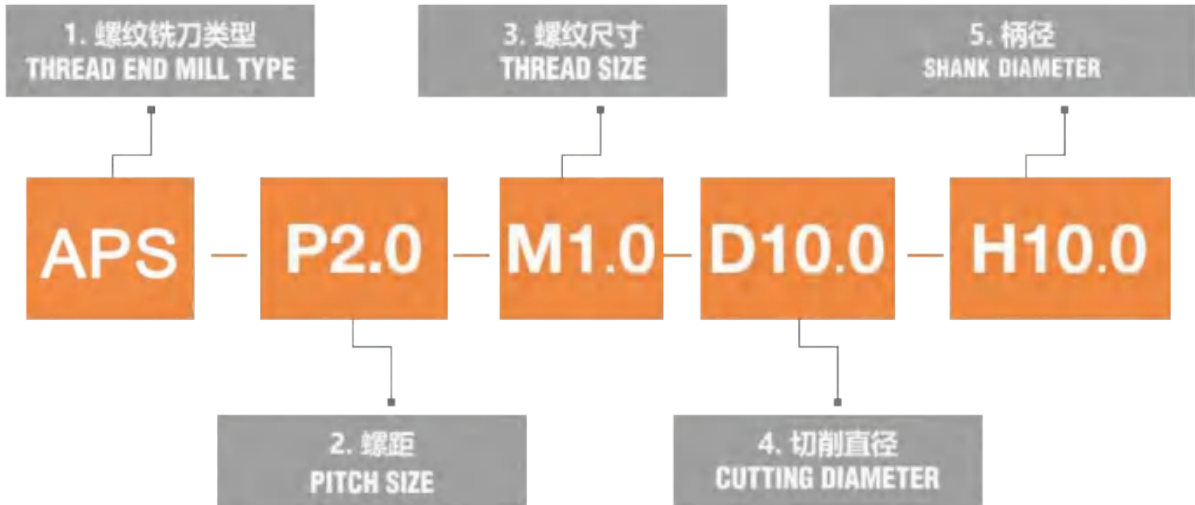
<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> ★ 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55-HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55-HRC
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■ THREAD END MILL CODE KEY 螺纹铣刀的命名规则

# BORING

solid carbide thread end mill

solid carbide thread end mill code key

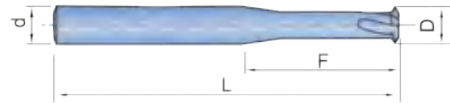


1. 螺纹铣刀类型 Thread End Mill Type	
APS	单齿螺纹铣刀 Single teeth thread end mill
APT	三齿螺纹铣刀 Three tooth thread end mill
APZ	多齿螺纹铣刀 Muiltly tooth thread end mill

2. 螺距 Pitch Size
3. 螺纹尺寸 Thread Size
4. 切削直径 Cutting diameter
5. 柄径 Shank Diameter

单齿通用APS系列 APS Series Single Teeth For General Machining

单齿通用螺纹铣刀  
Single teeth General machining thread end mill



Item code 型号	Pitch size (mm) 间距尺寸	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
		cutting Dia 切割直径	shank Dia 柄径	Neck Length 径部长度	overall length 总长		
APS-P0.20-D0.55-H4	0.20	0.55	4	1.6	50	23010001001	☆
APS-P0.225-D0.625-H4	0.23	0.625	4	1.8	50	23010001002	☆
APS-P0.25-D0.7-H4	0.25	0.70	4	3.5	50	23010001003	☆
APS-P0.25-D0.9-H4	0.25	0.90	4	4.2	50	23010001004	☆
APS-P0.3-D1.05-H4	0.30	1.05	4	4	50	23010001005	☆
APS-P0.35-D1.2-H4	0.35	1.20	4	4	50	23010001006	☆
APS-P0.4-D1.55-H4	0.40	1.55	4	5	50	23010001007	☆
APS-P0.45-D1.96-H4	0.45	1.96	4	6.5	50	23010001008	☆
APS-P0.5-D2.35-H4	0.50	2.35	4	8	50	23010001009	☆
APS-P0.7-D3.15-H4	0.70	3.15	4	10	50	23010001010	☆
APS-P0.8-D3.9-H4	0.80	3.90	4	12	50	23010001011	☆
APS-P1.0-D4.8-H6	1.00	4.80	6	15	50	23010001012	☆
APS-P1.25-D6.0-H6	1.25	6.00	6	20	60	23010001013	☆
APS-P1.5-D7.7-H8	1.50	7.70	8	25	60	23010001014	☆
APS-P1.75-D9.4-H10	1.75	9.60	10	30	75	23010001015	☆
APS-P2.0-D10-H10	2.00	10.00	10	36	75	23010001016	☆
APS-P2.5-D12-H12	2.50	12.00	12	38	75	23010001017	☆
APS-P0.5-P0.8-D3.9-H4	0.5-0.8	3.90	4	16	50	23010001018	☆
APS-P0.5-P1.0-D4.85-H6	0.5-1.0	4.85	6	20	60	23010001019	☆
APS-P0.5-P1.25-D5.9-H6	0.5-1.25	5.90	6	25	60	23010001020	☆
APS-P1.0-P1.5-D7.9-H8	1.0-1.5	7.90	8	32	75	23010001021	☆
APS-P0.5-P1.0-D9.8-H10	0.5-1.0	9.80	10	35	75	23010001022	☆
APS-P1.0-P1.75-D9.9-H10	1.0-1.75	9.90	10	38	75	23010001023	☆
APS-P1.0-P1.75-D12-H12	1.0-1.75	12.00	12	40	75	23010001024	☆
APS-P2.0-P3.0-D14-H14	2.0-3.0	14.00	14	48	100	23010001025	☆
APS-P2.0-P3.5-D16-H16	2.0-3.5	16.00	16	50	100	23010001026	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy, Heat resistant alloy	<b>H</b> 高硬度SS/HRC以下 High hardness steel Below 55-HRC	<b>H</b> 高硬度SS/HRC以上 High hardness steel Above 55-HRC
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APT Series Three Teeth For General Machining 三齿通用APT系列

### 三齿通用螺纹铣刀 Three tooth General machining thread end mill



Item code 型号	Thread size 螺纹尺寸	Pitch size (mm) 牙距	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
			cutting Dia 刃径	shank Dia 柄径	Working Length 有效长度	overall length 全长		
APT-M1*0.25-H4	M1	0.25	0.73	4	3	50	23010002001	☆
APT-M1.2*0.25-H4	M1.2	0.25	0.92	4	3.6	50	23010002002	☆
APT-M1.4*0.3-H4	M1.4	0.30	1.05	4	4.2	50	23010002003	☆
APT-M1.6*0.35-H4	M1.6	0.35	1.21	4	4.8	50	23010002004	☆
APT-M2*0.4-H4	M2	0.40	1.55	4	6	50	23010002005	☆
APT-M2.5*0.45-H4	M2.5	0.45	2.00	4	7.5	50	23010002006	☆
APT-M3*0.5-H4	M3	0.50	2.40	4	9	50	23010002007	☆
APT-M4*0.7-H4	M4	0.70	3.15	4	12	50	23010002008	☆
APT-M5*0.8-H4	M5	0.80	4.00	4	15	50	23010002009	☆
APT-M6*1.0-H6	M6	1.00	4.80	6	12	50	23010002010	☆
APT-M8*1.25-H6	M8	1.25	6.00	6	16	50	23010002011	☆
APT-M10*1.5-H8	M10	1.50	8.00	8	21	60	23010002012	☆
APT-M12*1.75-H10	M12	1.75	10.0	10	30	75	23010002013	☆
APTN-M1*0.25-H4	M1	0.25	0.73	4	3	50	23010002014	☆
APTN-M1.2*0.25-H4	M1.2	0.25	0.92	4	3.6	50	23010002015	☆
APTN-M1.4*0.3-H4	M1.4	0.30	1.05	4	4.2	50	23010002016	☆
APTN-M1.6*0.35-H4	M1.6	0.35	1.21	4	4.8	50	23010002017	☆
APTN-M2*0.4-H4	M2	0.40	1.55	4	6	50	23010002018	☆
APTN-M2.5*0.45-H4	M2.5	0.45	2.00	4	7.5	50	23010002019	☆
APTN-M3*0.5-H4	M3	0.50	2.40	4	9	50	23010002020	☆
APTN-M4*0.7-H4	M4	0.70	3.15	4	12	50	23010002021	☆
APTN-M5*0.8-H4	M5	0.80	4.00	4	15	50	23010002022	☆
APTN-M6*1.0-H6	M6	1.00	4.80	6	12	50	23010002023	☆
APTN-M8*1.25-H6	M8	1.25	6.00	6	16	50	23010002024	☆
APTN-M10*1.5-H8	M10	1.50	8.00	8	21	60	23010002025	☆
APTN-M12*1.75-H10	M12	1.75	10.00	10	30	75	23010002026	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

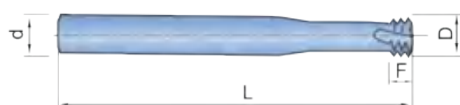
推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金、耐热合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬度SSHRc以下 High hardness steel Below 55HRC	<b>H</b> 高硬度SSHRc以上 High hardness steel Above 55HRC
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三齿通用APT系列 APT Series Three Teeth For General Machining

### 三齿通用螺纹铣刀

#### Three tooth General machining thread end mill



Item code 型号	Thread size 螺纹尺寸	Pitch size (mm) 牙距	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
			cutting Dia 刃径	shank Dia 柄径	Working Length 有效长度	overall length 全长		
APT-UN-01-72-H4	NO.1	72	1.45	4	3.9	57	23010002027	☆
APT-UN-01-64-H4	NO.1	64	1.40	4	4.2	57	23010002028	☆
APT-UN-02-56-H4	NO.2	56	1.65	4	5	57	23010002029	☆
APT-UN-03-56-H4	NO.3	56	1.65	4	5	57	23010002030	☆
APT-UN-03-48-H4	NO.3	48	1.90	4	6	57	23010002031	☆
APT-UN-04-48-H4	NO.4	48	1.90	4	6	57	23010002032	☆
APT-UN-04-40-H4	NO.4	40	2.10	4	6	57	23010002033	☆
APT-UN-05-40-H4	NO.5	40	2.10	4	6	57	23010002034	☆
APT-UN-06-40-H4	NO.6	40	2.45	4	7.2	57	23010002035	☆
APT-UN-06-32-H4	NO.6	32	2.55	4	7.4	57	23010002036	☆
APT-UN-08-36-H4	NO.8	36	3.30	4	8.7	57	23010002037	☆
APT-UN-08-32-H4	NO.8	32	3.20	4	7.4	57	23010002038	☆
APT-UN-10-32-H4	NO.10	32	3.20	4	7.4	57	23010002039	☆
APT-UN-10-24-H4	NO.10	24	3.58	4	10.2	57	23010002040	☆
APT-UN-1/4"-28-H6	NO.1/4"	28	5.25	6	13.2	57	23010002041	☆
APT-UN-1/4"-20-H6	NO.1/4"	20	4.88	6	13.4	57	23010002042	☆
APT-UN-5/16"-24-H4	NO.5/16"	24	3.58	6	10.2	57	23010002043	☆
APT-UN-7/16"-20-H6	NO.7/16"	20	4.88	6	13.4	57	23010002044	☆

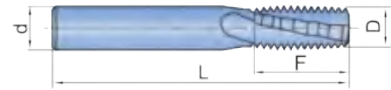
★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55HRC
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多齿通用螺纹铣刀  
Multy tooth General machining thread end mill



Item code 型号	Thread size 螺纹尺寸	Pitch size (mm) 牙距	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
			cutting Dia 刃径	shank Dia 柄径	Cutting Length 切割长度	overall length 全长		
APZ-M3*0.5-H4	M3	0.50	2.35	4	6	57	23010003001	☆
APZ-M4*0.7-H4	M4	0.70	3.10	4	8	57	23010003002	☆
APZ-M5*0.5-H4	M5	0.50	4.00	4	10	57	23010003003	☆
APZ-M5*0.75-H4	M5	0.75	4.00	4	10	57	23010003004	☆
APZ-M5*0.8-H4	M5	0.80	4.00	4	10	57	23010003005	☆
APZ-M6*0.75-H6	M6	0.75	4.80	6	12	63	23010003006	☆
APZ-M6*1.0-H6	M6	1.00	4.80	6	12	63	23010003007	☆
APZ-M8*0.5-H6	M8	0.50	6.00	6	16	70	23010003008	☆
APZ-M8*0.75-H6	M8	0.75	6.00	6	16	70	23010003009	☆
APZ-M8*1.0-H6	M8	1.00	6.00	6	16	70	23010003010	☆
APZ-M8*1.25-H6	M8	1.25	6.00	6	16	70	23010003011	☆
APZ-M10*1.0-H8	M10	1.00	8.00	8	21	72	23010003012	☆
APZ-M10*1.25-H8	M10	1.25	8.00	8	21	72	23010003013	☆
APZ-M10*1.5-H8	M10	1.50	8.00	8	21	72	23010003014	☆
APZ-M12*0.5-H10	M12	0.50	10.00	10	24	75	23010003015	☆
APZ-M12*0.75-H10	M12	0.75	10.00	10	24	75	23010003016	☆
APZ-M12*1.5-H10	M12	1.50	10.00	10	24	75	23010003017	☆
APZ-M12*1.75-H10	M12	1.75	10.00	10	24	75	23010003018	☆
APZ-M14*1.0-H12	M14	1.00	12.00	12	28	83	23010003019	☆
APZ-M14*1.5-H12	M14	1.50	12.00	12	28	83	23010003020	☆
APZ-M14*2.0-H12	M14	2.00	12.00	12	28	83	23010003021	☆
APZ-M16*1.5-H14	M16	1.50	14.00	14	33	92	23010003022	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55HRC
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多齿通用APZ系列 APZ Series Multy Tooth For General Machining

多齿通用螺纹铣刀

Multy tooth General machining thread end mill



Item code 型号	Thread size 螺纹尺寸	Pitch size (mm) 牙距	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
			cutting Dia 刃径	shank Dia 柄径	Cutting Length 切割长度	overall length 全长		
APZ-UN-1/4"-28-H6	1/4"	28	5.30	6	12	57	23010003023	☆
APZ-UN-1/4"-20-H6	1/4"	20	5.00	6	12	57	23010003024	☆
APZ-UN-5/16"-24-H8	5/16"	24	6.80	8	18	72	23010003025	☆
APZ-UN-5/16"-18-H8	5/16"	18	6.50	8	18	72	23010003026	☆
APZ-UN-3/8"-16-H8	3/8"	16	7.90	8	21	72	23010003027	☆
APZ-UN-7/16"-20-H10	7/16"	20	9.50	10	24	75	23010003028	☆
APZ-UN-7/16"-14-H10	7/16"	14	9.30	10	24	75	23010003029	☆
APZ-UN-9/16"-18-H10	9/16"	18	10.0	10	24	75	23010003030	☆
APZ-UN-9/16"-12-H12	9/16"	12	12.0	12	28	82	23010003031	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b>	<b>P</b>	<b>M</b>	<b>K</b>	<b>N</b>	<b>N</b>	<b>S</b>	<b>H</b>	<b>H</b>
碳钢, 合金钢 Carbon steel	预硬钢 Pre-hardened steel	不锈钢 Stainless steel	铸铁 Cast iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金, 耐热合金 Heat resistant alloy Titanium alloy	高硬度SSHRc以下 High hardness steel Below 55HRC	高硬度SSHRc以上 High hardness steel Above 55HRC

多齿通用螺纹铣刀  
Multy tooth General machining thread end mill



Item code 型号	Thread size 螺纹尺寸	Pitch size (mm) 牙距	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
			cutting Dia 刃径	shank Dia 柄径	Cutting Length 切割长度	overall length 全长		
APZ-BSP-1/16"-28-H6	1/16"	28	6.00	6	14	70	23010003032	☆
APZ-BSP-1/8"-28-H8	1/8"	28	8.00	8	14	72	23010003033	☆
APZ-BSP-1/4"-19-H8	1/4"	19	8.00	8	18	72	23010003034	☆
APZ-BSP-1/4"-19-H10	1/4"	19	10.0	10	20	75	23010003035	☆
APZ-BSP-3/8"-19-H12	3/8"	19	12.0	12	25	83	23010003036	☆
APZ-BSP-1/2"-14-H12	1/2"	14	12.0	12	25	83	23010003037	☆
APZ-BSP-3/4"-14-H16	3/4"	14	16.0	16	30	92	23010003038	☆
APZ-BSP-1"-11-H16	1"	11	16.0	16	32	92	23010003039	☆
APZ-BSPT-1/16"-28-H6	1/16"	28	5.30	6	9.9	70	23010003040	☆
APZ-BSPT-1/8"-28-H8	1/8"	28	7.30	8	9.9	72	23010003041	☆
APZ-BSPT-1/4"-19-H8	1/4"	19	7.00	8	14	72	23010003042	☆
APZ-BSPT-1/4"-19-H10	1/4"	19	9.00	10	15	75	23010003043	☆
APZ-BSPT-3/8"-19-H12	3/8"	19	11.0	12	14	83	23010003044	☆
APZ-BSPT-1/2"-14-H12	1/2"	14	10.0	12	19	83	23010003045	☆
APZ-BSPT-3/4"-14-H16	3/4"	14	14.6	16	21	92	23010003046	☆
APZ-BSPT-1"-11-H16	1"	11	14.2	16	27	92	23010003047	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬度SSHRCC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度SSHRCC以上 High hardness steel Above 55HRC
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多齿通用APZ系列 APZ Series Multy For General Machining

多齿通用螺纹铣刀

Multy tooth General machining thread end mill



Item code 型号	Thread size 螺纹尺寸	Pitch size (mm) 牙距	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
			cutting Dia 刃径	shank Dia 柄径	Cutting Length 切割长度	overall length 全长		
APZ-NPT-1/16"-27-H6	1/16"	27	5.40	6	9.4	70	23010003048	☆
APZ-NPT-1/8"-27-H8	1/8"	27	7.40	8	9.4	72	23010003049	☆
APZ-NPT-1/4"-18-H8	1/4"	18	7.10	8	14.1	72	23010003050	☆
APZ-NPT-1/4"-18-H10	1/4"	18	9.10	10	14.1	75	23010003051	☆
APZ-NPT-3/8"-18-H12	3/8"	18	11.10	12	14.1	83	23010003052	☆
APZ-NPT-1/2"-14-H12	1/2"	14	10.80	12	18.1	83	23010003053	☆
APZ-NPT-3/4"-14-H16	3/4"	14	14.80	16	18.1	92	23010003054	☆
APZ-NPT-1"-11.5-H16	1"	11.5	14.60	16	22	92	23010003055	☆
APZ-NPTF-1/16"-27-H6	1/16"	27	5.40	6	9.4	70	23010003056	☆
APZ-NPTF-1/8"-27-H8	1/8"	27	7.40	8	9.4	72	23010003057	☆
APZ-NPTF-1/4"-18-H8	1/4"	18	7.10	8	14.1	72	23010003058	☆
APZ-NPTF-1/4"-18-H10	1/4"	18	9.10	10	14.1	75	23010003059	☆
APZ-NPTF-3/8"-18-H12	3/8"	18	11.10	12	14.1	83	23010003060	☆
APZ-NPTF-1/2"-14-H12	1/2"	14	10.80	12	18.1	83	23010003061	☆
APZ-NPTF-3/4"-14-H16	3/4"	14	14.80	16	18.1	92	23010003062	☆
APZ-NPTF-1"-11.5-H16	1"	11.5	14.60	16	22	92	23010003063	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 High resistant alloy, Titanium alloy	<b>H</b> 高硬度SSHRCL以下 High hardness steel Below SS-HRC	<b>H</b> 高硬度SSHRCL以上 High hardness steel Above SS-HRC
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# NON-STANDARD END MILLS

## 非标铣刀

### C 其他非标铣刀系列

#### OTHER NON-STANDARD END MILLS

- C2-C5 | 锥度铣刀  
Tapered End Mill
- C6-C10 | 倒角铣刀  
Deburring End Mills
- C11-C13 | 内R铣刀  
Corner Rounding End Mills
- C14 | 螺旋铣刀  
Spiral Flute End Mills

# TAPERED END MILL

锥度铣刀



# MILLING CUTTER

solid carbide non-standard end mills

## solid carbide tapered ball nose end mills code key

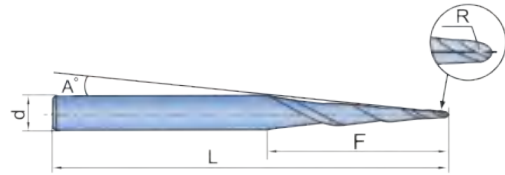


1 应用分类 Application of classification		2 立铣刀类型 Type Of End Mills	
APGM	通用加工系列 0-50HRC General Machining Series	2BC	2 刃球头锥度铣刀 2 Flute Tapered Ball Nose End Mill
APHP	高性能通用加工系列 0-55HRC High Performance General Machining Series		

3 球头半径 Radius	4 刃长 Cutting Length	5 柄径 Shank Diameter

通用加工APGM系列 APGM Series For General Machining

二刃, 球头, 锥度铣刀  
2 flute, ball nose, tapered end mill



Item code 型号	Number of Flute 刃数	R(mm) cutting Radius 切削半径	A(°) Taper Radius 锥形半径	d(mm) shank Dia 柄径	F(mm) flute length 刀刃长度	L(mm) overall length 全长	Order number 订单号	Stock 库存
APGM2BC-R0.25-15-H4	2	0.25	6.7°	4	15.0	50	18020001001	☆
APGM2BC-R0.5-15-H4	2	0.50	5.7°	4	15.0	50	18020001002	☆
APGM2BC-R0.75-15-H4	2	0.75	4.8°	4	15.0	50	18020001003	☆
APGM2BC-R1.0-15-H4	2	1.00	3.8°	4	15.0	50	18020001004	☆
APGM2BC-R0.25-20.5-H4	2	0.25	4.9°	4	20.5	50	18020001005	☆
APGM2BC-R0.5-20.5-H4	2	0.50	4.2°	4	20.5	50	18020001006	☆
APGM2BC-R0.75-20.5-H4	2	0.75	3.5°	4	20.5	50	18020001007	☆
APGM2BC-R1.0-20.5-H4	2	1.00	2.8°	4	20.5	50	18020001008	☆
APGM2BC-R0.25-20-H6	2	0.25	7.8°	6	20.0	50	18020001009	☆
APGM2BC-R0.5-20-H6	2	0.50	7.1°	6	20.0	50	18020001010	☆
APGM2BC-R0.75-20-H6	2	0.75	6.4°	6	20.0	50	18020001011	☆
APGM2BC-R1.0-20-H6	2	1.00	5.7°	6	20.0	50	18020001012	☆
APGM2BC-R1.5-20-H6	2	1.50	4.3°	6	20.0	50	18020001013	☆
APGM2BC-R2.0-20-H6	2	2.00	2.9°	6	20.0	75	18020001014	☆
APGM2BC-R0.25-30.5-H6	2	0.25	5.2°	6	30.5	75	18020001015	☆
APGM2BC-R0.5-30.5-H6	2	0.50	4.7°	6	30.5	75	18020001016	☆
APGM2BC-R0.75-30.5-H6	2	0.75	4.2°	6	30.5	75	18020001017	☆
APGM2BC-R1.0-30.5-H6	2	1.00	3.8°	6	30.5	75	18020001018	☆
APGM2BC-R1.5-30.5-H6	2	1.50	2.8°	6	30.5	75	18020001019	☆
APGM2BC-R2.0-30.5-H6	2	2.00	1.9°	6	30.5	75	18020001020	☆
APGM2BC-R0.5-47-H8	2	0.50	4.3°	8	47.0	100	18020001021	☆
APGM2BC-R0.75-47-H8	2	0.75	4°	8	47.0	100	18020001022	☆
APGM2BC-R1.0-47-H8	2	1.00	3.7°	8	47.0	100	18020001023	☆
APGM2BC-R1.5-47-H8	2	1.50	3°	8	47.0	100	18020001024	☆
APGM2BC-R2.0-47-H8	2	2.00	2.4°	8	47.0	100	18020001025	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL 
 ★ 非常适合 very suitable 
 ☆ 适合 suitable

<b>P</b>	<b>P</b>	<b>M</b>	<b>K</b>	<b>N</b>	<b>N</b>	<b>S</b>	<b>H</b>	<b>H</b>
碳钢, 合金钢 Carbon steel	预硬钢 Pre-hardened steel	不锈钢 Stainless steel	铸铁 Cast iron	铜合金 Copper alloy	铝合金 Aluminum alloy	钛合金, 耐热合金 Titanium alloy	高硬度SSHR以下 High hardness steel Below SS+RC	高硬度SSHR以上 High hardness steel Above SS+RC

二刃，球头，锥度铣刀  
2 flute, ball nose, tapered end mill



Item code 型号	Number of Flute 刃数	R(mm)	A(°)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
		cutting Radius 切削半径	Taper Radius 锥形半径	shank Dia 柄径	flute length 刀刃长度	overall length 全长		
APHP2BC-R0.25-15-H4	2	0.25	6.7°	4	15.0	50	18020001026	☆
APHP2BC-R0.5-15-H4	2	0.50	5.7°	4	15.0	50	18020001027	☆
APHP2BC-R0.75-15-H4	2	0.75	4.8°	4	15.0	50	18020001028	☆
APHP2BC-R1.0-15-H4	2	1.00	3.8°	4	15.0	50	18020001029	☆
APHP2BC-R0.25-20.5-H4	2	0.25	4.9°	4	20.5	50	18020001030	☆
APHP2BC-R0.5-20.5-H4	2	0.50	4.2°	4	20.5	50	18020001031	☆
APHP2BC-R0.75-20.5-H4	2	0.75	3.5°	4	20.5	50	18020001032	☆
APHP2BC-R1.0-20.5-H4	2	1.00	2.8°	4	20.5	50	18020001033	☆
APHP2BC-R0.25-20-H6	2	0.25	7.8°	6	20.0	50	18020001034	☆
APHP2BC-R0.5-20-H6	2	0.50	7.1°	6	20.0	50	18020001035	☆
APHP2BC-R0.75-20-H6	2	0.75	6.4°	6	20.0	50	18020001036	☆
APHP2BC-R1.0-20-H6	2	1.00	5.7°	6	20.0	50	18020001037	☆
APHP2BC-R1.5-20-H6	2	1.50	4.3°	6	20.0	50	18020001038	☆
APHP2BC-R2.0-20-H6	2	2.00	2.9°	6	20.0	75	18020001039	☆
APHP2BC-R0.25-30.5-H6	2	0.25	5.2°	6	30.5	75	18020001040	☆
APHP2BC-R0.5-30.5-H6	2	0.50	4.7°	6	30.5	75	18020001041	☆
APHP2BC-R0.75-30.5-H6	2	0.75	4.2°	6	30.5	75	18020001042	☆
APHP2BC-R1.0-30.5-H6	2	1.00	3.8°	6	30.5	75	18020001043	☆
APHP2BC-R1.5-30.5-H6	2	1.50	2.8°	6	30.5	75	18020001044	☆
APHP2BC-R2.0-30.5-H6	2	2.00	1.9°	6	30.5	75	18020001045	☆
APHP2BC-R0.5-47-H8	2	0.50	4.3°	8	47.0	100	18020001046	☆
APHP2BC-R0.75-47-H8	2	0.75	4°	8	47.0	100	18020001047	☆
APHP2BC-R1.0-47-H8	2	1.00	3.7°	8	47.0	100	18020001048	☆
APHP2BC-R1.5-47-H8	2	1.50	3°	8	47.0	100	18020001049	☆
APHP2BC-R2.0-47-H8	2	2.00	2.4°	8	47.0	100	18020001050	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ P 碳钢 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	☆ S 钛合金、耐热合金 Titanium alloy	★ H 高硬度55HRC以下 High hardness steel Below 55HRC	★ H 高硬度55HRC以上 High hardness steel Above 55HRC
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DEBURRING END MILLS  
倒角铣刀

CORNER ROUNDING END MILLS  
内R铣刀

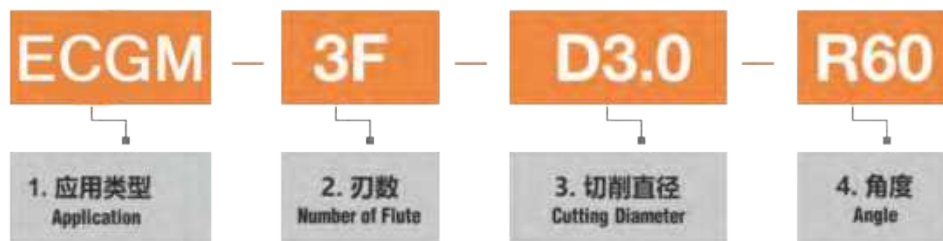
Single flute, SPIRAL END MILLS  
单刃, 螺旋铣刀



# MILLING CUTTER

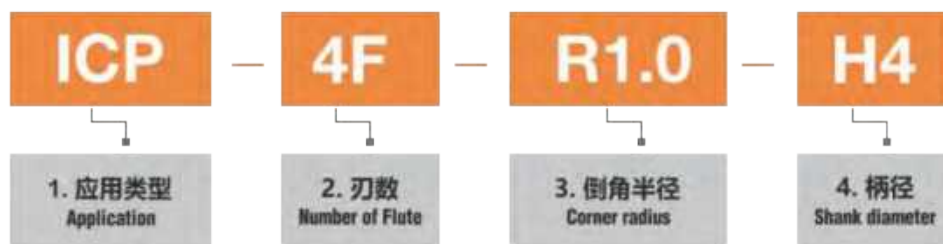
## solid carbide non-standard end mills

### Deburring end mills code key



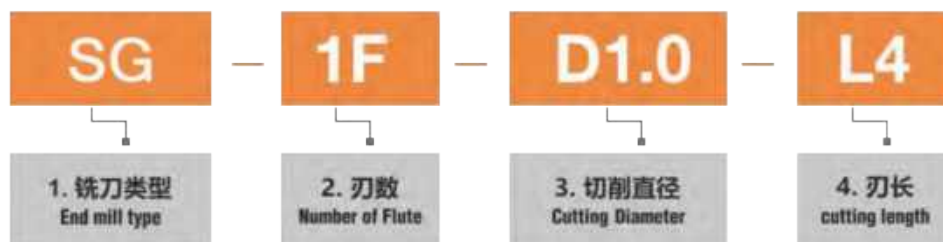
应用类型 Application	ECGM	通用倒角刀 General machining deburring end mills
	EHP	高性能通用倒角刀 High Performance General machining deburring end mills
	ECAL	铝用倒角刀 Aluminum machining deburring end mills

### Corner rounding end mills code key



应用类型 Application	ICGM	通用内R刀 General machining corner rounding end mills
	ICHP	高性能内R刀 High Performance General machining corner rounding end mills
	ICAL	铝用内R刀 Aluminum machining corner rounding end mills

### Spiral end mills code key



通用加工ECGM系列 ECGM Series For General Machining

■ 三刃, 倒角刀  
3 flute, Deburring end mills




Item code 型号	A°	d(mm)	L(mm)	Order number 订单号	Stock 库存
	Angle Degree 角度	shank Dia 柄径	overall length 全长		
ECGM3F-D3.0-R60	60°	3	50	21010001001	☆
ECGM3F-D3.0-R90	90°	3	50	21010001002	☆
ECGM3F-D3.0-R120	120°	3	50	21010001003	☆
ECGM3F-D4.0-R60	60°	4	50	21010001004	☆
ECGM3F-D4.0-R90	90°	4	50	21010001005	☆
ECGM3F-D4.0-R120	120°	4	50	21010001006	☆
ECGM3F-D5.0-R60	60°	5	50	21010001007	☆
ECGM3F-D5.0-R90	90°	5	50	21010001008	☆
ECGM3F-D5.0-R120	120°	5	50	21010001009	☆
ECGM3F-D6.0-R60	60°	6	50	21010001010	☆
ECGM3F-D6.0-R90	90°	6	50	21010001011	☆
ECGM3F-D6.0-R120	120°	6	50	21010001012	☆
ECGM3F-D8.0-R60	60°	8	60	21010001013	☆
ECGM3F-D8.0-R90	90°	8	60	21010001014	☆
ECGM3F-D8.0-R120	120°	8	60	21010001015	☆
ECGM3F-D10.0-R60	60°	10	75	21010001016	☆
ECGM3F-D10.0-R90	90°	10	75	21010001017	☆
ECGM3F-D10.0-R120	120°	10	75	21010001018	☆
ECGM3F-D12.0-R60	60°	12	75	21010001019	☆
ECGM3F-D12.0-R90	90°	12	75	21010001020	☆
ECGM3F-D12.0-R120	120°	12	75	21010001021	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

★ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL
 ★ 非常适合 very suitable
☆ 适合 suitable

<span style="font-size: 24px; font-weight: bold;">P</span> 碳钢, 合金钢 Carbon steel	<span style="font-size: 24px; font-weight: bold;">P</span> 预硬钢 Pre-hardened steel	<span style="font-size: 24px; font-weight: bold;">M</span> 不锈钢 Stainless steel	<span style="font-size: 24px; font-weight: bold;">K</span> 铸铁 Cast iron	<span style="font-size: 24px; font-weight: bold;">N</span> 铜合金 Copper alloy	<span style="font-size: 24px; font-weight: bold;">N</span> 铝合金 Aluminum alloy	<span style="font-size: 24px; font-weight: bold;">S</span> 钛合金, 钨合金 Heat resistant alloy Titanium alloy	<span style="font-size: 24px; font-weight: bold;">H</span> 高硬度55HRC以下 High hardness steel Below 55HRC	<span style="font-size: 24px; font-weight: bold;">H</span> 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 三刃，倒角刀  
3 flute, Deburring end mills



Item code 型号	A°	d(mm)	L(mm)	Order number 订单号	Stock 库存
	Angle Degree 角度	shank Dia 柄径	overall length 全长		
ECHP3F-D3.0-R60	60°	3	50	21010001001	☆
ECHP3F-D3.0-R90	90°	3	50	21010001002	☆
ECHP3F-D3.0-R120E	120°	3	50	21010001003	☆
CHP3F-D4.0-R60E	60°	4	50	21010001004	☆
CHP3F-D4.0-R90E	90°	4	50	21010001005	☆
CHP3F-D4.0-R120E	120°	4	50	21010001006	☆
CHP3F-D5.0-R60E	60°	5	50	21010001007	☆
CHP3F-D5.0-R90E	90°	5	50	21010001008	☆
CHP3F-D5.0-R120E	120°	5	50	21010001009	☆
CHP3F-D6.0-R60E	60°	6	50	21010001010	☆
CHP3F-D6.0-R90E	90°	6	50	21010001011	☆
CHP3F-D6.0-R120E	120°	6	50	21010001012	☆
CHP3F-D8.0-R60E	60°	8	60	21010001013	☆
CHP3F-D8.0-R90E	90°	8	60	21010001014	☆
CHP3F-D8.0-R120E	120°	8	60	21010001015	☆
CHP3F-D10.0-R60E	60°	10	75	21010001016	☆
CHP3F-D10.0-R90E	90°	10	75	21010001017	☆
CHP3F-D10.0-R120E	120°	10	75	21010001018	☆
CHP3F-D12.0-R60E	60°	12	75	21010001019	☆
CHP3F-D12.0-R90E	90°	12	75	21010001020	☆
CHP3F-D12.0-R120	120°	12	75	21010001021	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL      ★ 非常适合 very suitable      ☆ 适合 suitable

★ P 碳钢, 合金钢 Carbon steel	★ P 预硬钢 Pre-hardened steel	☆ M 不锈钢 Stainless steel	★ K 铸铁 Cast iron	★ N 铜合金 Copper alloy	★ N 铝合金 Aluminum alloy	☆ S 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	★ H 高硬度SSHRc以下 High hardness steel Below 55HRC	★ H 高硬度SSHRc以上 High hardness steel Above 55HRC
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铝加工ECAL系列 ECAL Series For Aluminum Machining

■ 三刃, 倒角刀  
3 flute, Deburring end mills



Item code 型号	A°	d(mm)	L(mm)	Order number 订单号	Stock 库存
	Angle Degree 角度	shank Dia 柄径	overall length 全长		
ECAL3F-D3.0-R60	60°	3	50	21010001022	☆
ECAL3F-D3.0-R90	90°	3	50	21010001023	☆
ECAL3F-D3.0-R120	120°	3	50	21010001024	☆
ECAL3F-D4.0-R60	60°	4	50	21010001025	☆
ECAL3F-D4.0-R90	90°	4	50	21010001026	☆
ECAL3F-D4.0-R120	120°	4	50	21010001027	☆
ECAL3F-D5.0-R60	60°	5	50	21010001028	☆
ECAL3F-D5.0-R90	90°	5	50	21010001029	☆
ECAL3F-D5.0-R120	120°	5	50	21010001030	☆
ECAL3F-D6.0-R60	60°	6	50	21010001031	☆
ECAL3F-D6.0-R90	90°	6	50	21010001032	☆
ECAL3F-D6.0-R120	120°	6	50	21010001033	☆
ECAL3F-D8.0-R60	60°	8	60	21010001034	☆
ECAL3F-D8.0-R90	90°	8	60	21010001035	☆
ECAL3F-D8.0-R120	120°	8	60	21010001036	☆
ECAL3F-D10.0-R60	60°	10	75	21010001037	☆
ECAL3F-D10.0-R90	90°	10	75	21010001038	☆
ECAL3F-D10.0-R120	120°	10	75	21010001039	☆
ECAL3F-D12.0-R60	60°	12	75	21010001040	☆
ECAL3F-D12.0-R90	90°	12	75	21010001041	☆
ECAL3F-D12.0-R120	120°	12	75	21010001042	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy	<b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度56HRC以上 High hardness steel Above 55HRC
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■ 四刃，内R铣刀  
4 flute, Corner rounding end mills



Item code 型号	R(mm)	D(mm)	d(mm)	L(mm)	Order number 订单号	Stock 库存
	Inner Radius 内半径	Head Dia 头径	shank Dia 柄径	overall length 全长		
ICGM4F-R0.5-H4	0.50	3.0	4	50	21020001001	☆
ICGM4F-R0.75-H4	0.75	2.5	4	50	21020001002	☆
ICGM4F-R1.0-H4	1.00	2.0	4	50	21020001003	☆
ICGM4F-R1.5-H4	1.50	1.0	4	50	21020001004	☆
ICGM4F-R1.5-H6	1.50	3.0	6	50	21020001005	☆
ICGM4F-R2.0-H6	2.00	2.0	6	50	21020001006	☆
ICGM4F-R2.5-H8	2.50	3.0	8	60	21020001007	☆
ICGM4F-R3.0-H8	3.00	2.0	8	60	21020001008	☆
ICGM4F-R4.0-H10	4.00	2.0	10	75	21020001009	☆
ICGM4F-R5.0-H12	5.00	2.0	12	75	21020001010	☆
ICGM4F-R6.0-H14	6.00	2.0	14	100	21020001011	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL      ★ 非常适合 very suitable      ☆ 适合 suitable

★ <b>P</b> 碳钢, 合金钢 Carbon steel	★ <b>P</b> 预硬钢 Pre-hardened steel	☆ <b>M</b> 不锈钢 Stainless steel	★ <b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬钢55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬钢55HRC以上 High hardness steel Above 55HRC
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高性能通用加工ICHP系列 ICHP Series For High Performance Machining

## 四刃，内R铣刀

### 4 flute, Corner rounding end mills



Item code 型号	R(mm)	D(mm)	d(mm)	L(mm)	Order number 订单号	Stock 库存
	Inner Radius 内半径	Head Dia 头径	shank Dia 柄径	overall length 全长		
ICHP4F-R0.5-H4	0.50	3.0	4	50	21020001001	☆
ICHP4F-R0.75-H4	0.75	2.5	4	50	21020001002	☆
ICHP4F-R1.0-H4	1.00	2.0	4	50	21020001003	☆
ICHP4F-R1.5-H4	1.50	1.0	4	50	21020001004	☆
ICHP4F-R1.5-H6	1.50	3.0	6	50	21020001005	☆
ICHP4F-R2.0-H6	2.00	2.0	6	50	21020001006	☆
ICHP4F-R2.5-H8	2.50	3.0	8	60	21020001007	☆
ICHP4F-R3.0-H8	3.00	2.0	8	60	21020001008	☆
ICHP4F-R4.0-H10	4.00	2.0	10	75	21020001009	☆
ICHP4F-R5.0-H12	5.00	2.0	12	75	21020001010	☆
ICHP4F-R6.0-H14	6.00	2.0	14	100	21020001011	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

#### 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

★ <b>P</b> 碳钢, 合金钢 Carbon steel	★ <b>P</b> 预硬钢 Pre-hardened steel	☆ <b>M</b> 不锈钢 Stainless steel	★ <b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	☆ <b>S</b> 钛合金, 耐热合金 Titanium alloy	★ <b>H</b> 高硬度55HRC以下 High hardness steel Below 55HRC	<b>H</b> 高硬度55HRC以上 High hardness steel Above 55HRC
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■ 四刃，内R铣刀  
4 flute, Corner rounding end mills



Item code 型号	R(mm)	D(mm)	d(mm)	L(mm)	Order number 订单号	Stock 库存
	Inner Radius 内半径	Head Dia 头径	shank Dia 柄径	overall length 全长		
ICAL4F-R0.5-H4	0.50	3.0	4	50	21020001012	☆
ICAL4F-R0.75-H4	0.75	2.5	4	50	21020001013	☆
ICAL4F-R1.0-H4	1.00	2.0	4	50	21020001014	☆
ICAL4F-R1.5-H4	1.50	1.0	4	50	21020001015	☆
ICAL4F-R1.5-H6	1.50	3.0	6	50	21020001016	☆
ICAL4F-R2.0-H6	2.00	2.0	6	50	21020001017	☆
ICAL4F-R2.5-H8	2.50	3.0	8	60	21020001018	☆
ICAL4F-R3.0-H8	3.00	2.0	8	60	21020001019	☆
ICAL4F-R4.0-H10	4.00	2.0	10	75	21020001020	☆
ICAL4F-R5.0-H12	5.00	2.0	12	75	21020001021	☆
ICAL4F-R6.0-H14	6.00	2.0	14	100	21020001022	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

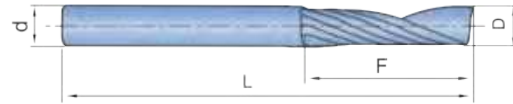
■ 推荐被加工材料 RECOMMENDED MACHINING MATERIAL

★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢,合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Heat resistant alloy, Titanium alloy	<b>H</b> 高硬度SSHRc以下 High hardness steel Below 55HRC	<b>H</b> 高硬度SSHRc以上 High hardness steel Above 55HRC
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铝加工SG系列 SGSeries For Aluminum Machining

单刃, 螺旋铣刀  
Single flute, SPIRAL END MILLS



Item code 型号	Number of Flute 刃数	D(mm)	d(mm)	F(mm)	L(mm)	Order number 订单号	Stock 库存
		cutting Radius 切削半径	shank Dia 柄径	flute length 刀刃长度	overall length 全长		
SG1F-D1.0-L03	1	1.0	3.175	3	38.1	22010001001	☆
SG1F-D1.0-L04	1	1.0	3.175	4	38.1	22010001002	☆
SG1F-D1.5-L05	1	1.5	3.175	5	38.1	22010001003	☆
SG1F-D2.0-L04	1	2.0	3.175	4	38.1	22010001004	☆
SG1F-D2.0-L06	1	2.0	3.175	6	38.1	22010001005	☆
SG1F-D2.0-L08	1	2.0	3.175	8	38.1	22010001006	☆
SG1F-D2.5-L04	1	2.5	3.175	4	38.1	22010001007	☆
SG1F-D2.5-L06	1	2.5	3.175	6	38.1	22010001008	☆
SG1F-D2.5-L08	1	2.5	3.175	8	38.1	22010001009	☆
SG1F-D2.5-L10	1	2.5	3.175	10	38.1	22010001010	☆
SG1F-D3.1-L05	1	3.175	3.175	5	38.1	22010001011	☆
SG1F-D3.1-L06	1	3.175	3.175	6	38.1	22010001012	☆
SG1F-D3.1-L07	1	3.175	3.175	7	38.1	22010001013	☆
SG1F-D3.1-L08	1	3.175	3.175	8	38.1	22010001014	☆
SG1F-D3.1-L10	1	3.175	3.175	10	38.1	22010001015	☆
SG1F-D3.1-L12	1	3.175	3.175	12	38.1	22010001016	☆
SG1F-D3.1-L15	1	3.175	3.175	15	38.1	22010001017	☆
SG1F-D3.1-L17	1	3.175	3.175	17	38.1	22010001018	☆
SG1F-D4.0-L08	1	4.0	4	8	50	22010001019	☆
SG1F-D4.0-L12	1	4.0	4	12	50	22010001020	☆
SG1F-D4.0-L15	1	4.0	4	15	50	22010001021	☆
SG1F-D4.0-L17	1	4.0	4	17	50	22010001022	☆
SG1F-D4.0-L22	1	4.0	4	22	50	22010001023	☆
SG1F-D5.0-L20	1	5.0	5	20	50	22010001024	☆
SG1F-D6.0-L10	1	6.0	6	10	50	22010001025	☆
SG1F-D6.0-L12	1	6.0	6	12	50	22010001026	☆
SG1F-D6.0-L15	1	6.0	6	15	50	22010001027	☆
SG1F-D6.0-L17	1	6.0	6	17	50	22010001028	☆
SG1F-D6.0-L22	1	6.0	6	22	50	22010001029	☆

★ 常备库存 Running Stock ☆ 按订单生产 Make-to-order

推荐被加工材料 RECOMMENDED MACHINING MATERIAL ★ 非常适合 very suitable ☆ 适合 suitable

<b>P</b> 碳钢, 合金钢 Carbon steel	<b>P</b> 预硬钢 Pre-hardened steel	<b>M</b> 不锈钢 Stainless steel	<b>K</b> 铸铁 Cast iron	<b>N</b> 铜合金 Copper alloy	<b>N</b> 铝合金 Aluminum alloy	<b>S</b> 钛合金, 耐热合金 Titanium alloy Heat resistant alloy	<b>H</b> 高硬度SSHRCC以下 High hardness steel Below 55+HRC	<b>H</b> 高硬度SSHRCC以上 High hardness steel Above 55+HRC
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Could be customized base on customer's drawings



Craft with focus innovate with grit

## Jiangxi Apex Carbide Co., Ltd.

Add: Nanchang Jiangxi .P.R.C  
Tel:0086-791-83892717  
E-mail: info@apexcarbide.com  
Web:www.apexcarbide.com

