

整体硬质合金刀具

Solid carbide cutting tools



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标记说明

Icon Guideline

01 材质 / Material

硬质合金 Cemented Carbide	金属陶瓷 Cermet	PCD Polycrystalline Diamond		

02 螺旋角 / Helix Angle

30° Helix Angle	35° Helix Angle	39°/41° Helix Angle	38°/39°/40° Helix Angle	45° Helix Angle

03 涂层 / Coating

TiAlN Coating	AlCrSiN Coating	TiAlCrSiN Coating		

04 刃数 / Number of Flutes

2刃 2 Flutes	3刃 3 Flutes	4刃 4 Flutes	6刃 6 Flutes	

05 角部形状 / Corner

圆角 Corner Radius	直角 Sharp Edge	球头 Ball Nose	倒角 Chamfer	

06 加工用途 / Applications

槽铣 Slot Milling	侧铣 Side Milling	仿形铣 Profile Milling	孔加工 Hole Making	

整体硬质合金刀具订货号表示规则

Product Code (Order Number) Instruction Of Solid Carbide Cutting tool

P20			R2			10		25		10		75		0.5	
系列 Series	被加工材料 Workpiece Material	加工策略 Processing Strategy	型号 Type	刃数 Number of Flute		刃径 Diameter		刃长 Flute Length		柄径 Shank Diameter		全长 Overall Length		刀尖圆弧/刀尖倒角 Corner Radius / Chamfer	
P20	P、K、M	普通加工 General Machining	S	平头 Square	2	0.5mm	0.5	0.5mm	0.5	4mm	4	75mm	75	0.05mm	0.05
P30	P、K、H	高速加工 High-speed Machining	R	圆角头 Corner Radius	3	5mm	5	5mm	5	10mm	10	100mm	100	0.5mm	0.5
P40	P、K、M	高效加工 High-performance Machining	B	球头 Ball Nose	4	10mm	10	25mm	25	20mm	20	25	150	1mm	1
H20	P、K、M、H	普通加工 General Machining	C	刀尖倒角 Chamfer	6										
H30	H	高速加工 High-speed Machining													
A40	N	高效加工 High-performance Machining													

DR			3N		0350	
系列 Series	被加工材料 Workpiece Material	加工策略 Processing Strategy	型号 Type	刃径 Diameter		
DR	P、K、M	孔加工 Hole Making	3N	3D外冷 3D External Cooling	3.5mm	0350
			5N	5D外冷 5D External Cooling	10.1mm	1010
			3C	3D内冷 3D Internal Cooling		
			5C	5D内冷 5D Internal Cooling		

涂层介绍

Coating Introduction

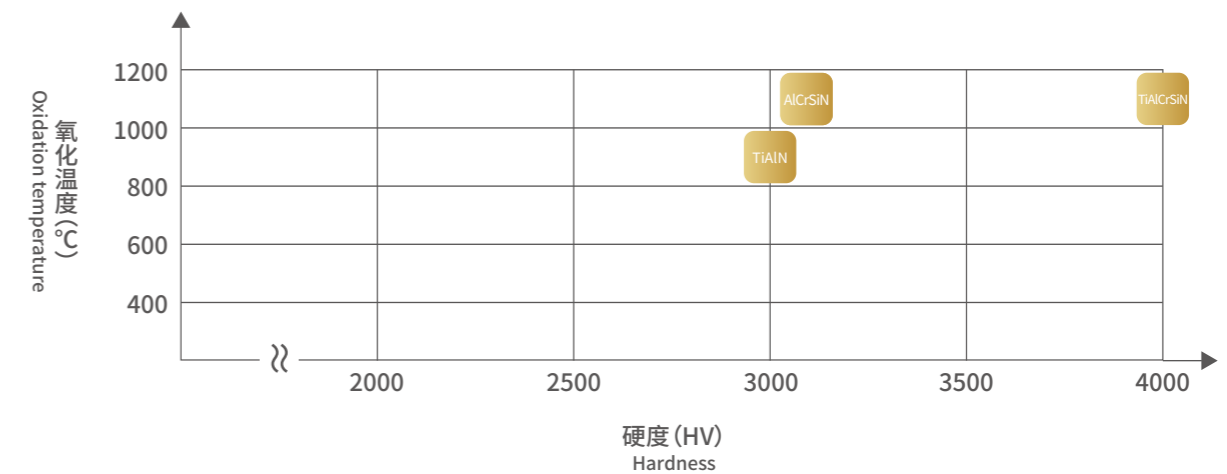
01 涂层特性 / Feature of Coating

涂层名称 Coating name	维氏硬度 (HV0.05) Vickers hardness	摩擦系数 Friction coefficient	最高适用温度(°C) Maximum applicable temperature	特点与功能 Features and function
AlCrSiN	3300	0.4	1100	高抗氧化性和高附着强度, 适用于碳钢、合金钢、不锈钢、钛合金等材料 (55HRC以下) 的各种铣削加工, 通用性好。 High oxidation resistance and high adhesion, suitable for milling of carbon steel, alloy steel, stainless steel, titanium alloy etc. (under 55HRC). Good versatility. 干、湿式切削均可实现长寿命加工 Long life in both dry cutting and wet cutting.
TiAlN	2900	0.35	900	高抗氧化性和高附着强度, 适用于不锈钢铣削加工, 部分高硬度钢的干式加工, 钛合金钻削加工。 High oxidation resistance and high adhesion, suitable for milling of stainless steel, dry machining of hardened steel and drilling of titanium alloy.
TiAlCrSiN	4000	0.35	1100	高硬度和高抗氧化性, 实现了高硬度材料切削加工的长寿命化和高效率化。 High Hardness and high oxidation resistance. Enables long life and high efficiency in machining of high hardness materials. 在高硬度材料(55HRC以上)的切削加工中发挥卓越性能。 Exhibits amazing performance when cutting high-hardness materials(55HRC or higher).

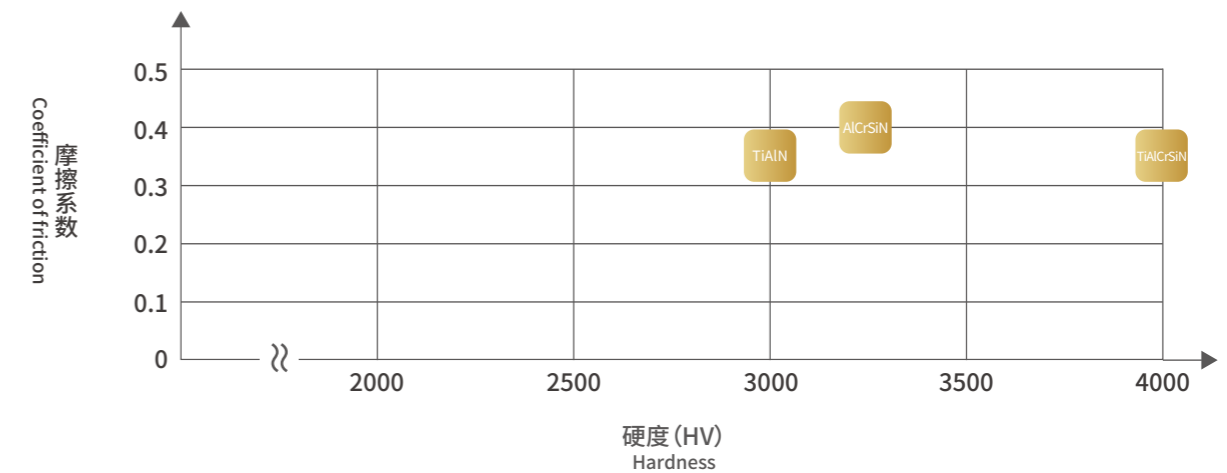
02 纳米PVD涂层定位 / Positioning of Nano PVD Coating

晶体颗粒控制在纳米量级, 因而大幅改善了硬度和抗氧化性
By controlling the crystalline structure at nano level, hardness and oxidization resistance are greatly improved.

硬度与氧化温度
Hardness and oxidation temperature



硬度与润滑特性
Hardness and lubricant properties



材料组 Material grouping	经济型 Economical	通用加工 General machining	高速加工 High-speed machining	高效加工 High performance machining	微加工 Micro machining	粗加工 Roughing
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P 碳钢、合金钢、
预硬钢 (≤HRC48)
Carbon steel, Alloy steel,
Prehardened steel (≤HRC48)

P10
钢材普通加工系列
Series endmill for steel general machining



P20
钢材通用加工系列
Series endmill for steel general machining



P30
钢材高速加工系列
Series endmill for steel high-speed machining



P40
钢材高效加工系列
Series endmill for steel high performance machining



P50
钢材微加工系列
Series endmill for steel micro machining



P60
钢材粗加工系列
Series endmill for steel roughing



M 不锈钢
Stainless steel


M20
不锈钢通用加工系列
Series endmill for stainless steel general machining



M30
不锈钢高速加工系列
Series endmill for stainless steel high-speed machining



S40
不锈钢高效加工系列
Series endmill for stainless steel high performance machining



N 石墨
Graphite

G30
石墨高速加工系列
Series endmill for graphite high-speed machining




N 铝合金、铜合金
Aluminum alloy Copper alloy


A10
铝合金普通加工系列
Series endmill for aluminum alloy general machining




A30
铝合金高速加工系列
Series endmill for aluminum alloy high-speed machining



A40
铝合金高效加工系列
Series endmill for aluminum alloy high performance machining



A60
铝合金粗加工系列
Series endmill for aluminum alloy roughing



S 高温合金
HRSA(Heat resistance super alloy)

产品即将上新
To be launched



S40
高温合金高效加工系列
Series endmill for HRSA high performance machining

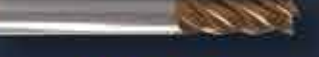


S 钛合金
Titanium alloy

产品即将上新
To be launched



T40
钛合金高效加工系列
Series endmill for titanium high performance machining



产品即将上新
To be launched



H 高硬材料 (HRC45-65)
Hardened material(HRC45-65)

H20
高硬钢通用加工系列
Series endmill for hardened steel(≤HRC 52) general machining



H30
高硬钢高速加工系列
Series endmill for hardened steel high-speed machining



H40
高硬钢高效加工系列
Series endmill for hardened steel high performance machining



H50
高硬钢微加工系列
Series endmill for hardened steel micro machining



刀具系列介绍

Introduction of Tool Series

P20系列 钢件通用加工立铣刀

P20 series endmill for steel general machining

- ◎ 高韧性基材材质, 搭配特殊角度设计, 良好的刃口强度及抗崩性
High toughness substrate materials, special angle design, good edge strength and anti-collapse performance.
- ◎ 适用于48HRC以内普通钢、铸铁的通用加工
Application of steel (\leq HRC48) & cast iron general machining



P30系列 钢件高速加工立铣刀

P30 series endmill for steel high speed machining

- ◎ 适用于普通钢 (\leq HRC48)、铸铁材料的高速加工
Suitable for application of steel (\leq HRC48) & cast iron high speed machining
- ◎ 采用全新升级的高抗氧化性和高附着强度的AlCr系涂层
AlCr series coating with high oxidation resistance and high adhesion



P40系列 钢件高效加工立铣刀

P40 series endmill for steel high performance machining

- ◎ 适用于普通钢 (\leq HRC48)、铸铁材料的高效加工
Suitable for application of steel (\leq 48HRC) & cast iron high performance machining
- ◎ 采用全新升级的高抗氧化性和高附着强度的AlCr系涂层
AlCr series coating with high oxidation resistance and high adhesion
- ◎ 不等螺旋、不等分度设计, 优异的减振性能
Unequal helix angle and unequal spacing of teeth, greatly reduces vibration



H20系列 高硬钢通用加工立铣刀

H20 series endmill for hardened steel general machining

- ◎ 适用于高硬钢材料 (\leq HRC55) 的半精加工、精加工
Suitable for application of hardened steel (\leq HRC55) semi-finishing and finishing
- ◎ 采用全新升级的高抗氧化性和高附着强度的AlCr系涂层
AlCr series coating with high oxidation resistance and high adhesion



H30系列 高硬钢高速加工立铣刀

H30 series endmill for hardened steel high speed machining

- ◎ 适用于高硬钢材料 (\leq HRC65) 的半精加工、精加工
Suitable for application of hardened steel (\leq HRC65) semi-finishing and finishing
- ◎ 采用高硬度和高抗氧化性的TiAlCrSiN涂层
TiAlCrSiN coating with high hardness and high oxidation resistance



A40系列 铝合金高效加工立铣刀

A40 series endmill for aluminum alloy high performance machining

- ◎ 适用于铝合金 (Si < 12%) 及铜合金 (< HB200) 的高效粗加工及精加工
Suitable for application of roughing and finishing of aluminum alloy (Si < 12%) and copper alloy (< 200HB)
- ◎ 独特的刃型设计, 能够有效防止振动, 获得良好的表面质量
Special edge design, reduces vibration effectively, good surface quality



TC系列 通用加工螺纹铣刀

TC series thread milling cutter for general machining

- ◎ 适用于钢件、铸铁、不锈钢、高硬钢、铝合金、合金、高温合金等材料加工
Suitable for application of steel cast iron & stainless steel & aluminum & titanium & HRSA general machining
- ◎ 加工效率高, 加工成本低
High efficiency, lower processing cost



DR系列 钢件通用加工钻头














DR series drill for steel general machining

- ◎ 适用于钢件、铸铁的钻削加工, 可同时用于软钢、合金钢等材料加工
Suitable for drilling steel and cast iron, also suitable for mild steel and alloy steel
- ◎ 全新槽型设计, 加强断屑性能, 同时提升刀具刚性
Bland-new chip groove design, enhanced chip breaking performance while improving tool rigidity





产品选择目录表

Selection Criteria Table of Product

名称 Name	系列 Series	产品型号 Type	刀具名称及外形 Description	刃径范围 Diameter Range	规格表 Dimension Page	切削参数页码 Cutting Parameters Page	工件材料 Workpieces Material													
							P		M	K	H			N		S				
							1 2 3 4	5 6	1 2 3	1 2 3	1 2	3 4	5	1 2 3	4	5	1 2 3	4		
							碳钢、合金钢 Carbon Steel Alloy	合金钢 Alloy Steel	不锈钢 Stainless Steel	铸铁 Cast Iron	高硬钢 Hardened Steel	高硬钢 Hardened Steel	高硬钢 淬硬刚 Hardened Steel	铝合金 Aluminium Alloy	铜合金 Copper Alloy	石墨、复材 Graphite Composite Material	高温合金 Heat Resistant Super Alloy	钛合金 Titanium Alloy		
<HRC35	<HRC48		<HRC35	HRC45~55	HRC55~65	>HRC65														
钢件通用 加工立铣刀 Endmill for Steel General Machining	P20	P20-S2	2刃平头 2 Flute,Square		D1-D12	18	75	●	●	○	●	○								
		P20-S4	4刃平头 4 Flute,Square		D1-D20	19	76	●	●	○	●	○								
		P20-R2	2刃圆角头 2 Flute,Corner Radius		D2-D10	21	75	●	●	○	●	○								
		P20-R4	4刃圆角头 4 Flute,Corner Radius		D1.5-D20	22	76	●	●	○	●	○								
		P20-B2	2刃球头 2 Flute,Ball Nose		D1-D12	23	76	●	●	○	●	○								
钢件高速 加工立铣刀 Endmill for Steel High Speed Machining	P30	P30-S2	2刃平头 2 Flute,Square		D0.5-D20	25	77	●	●	●	●									
		P30-S4	4刃平头 4 Flute,Square		D1-D20	26	78	●	●	●	●									
		P30-R2	2刃圆角头 2 Flute,Corner Radius		D3-D12	27	77	●	●	●	●									
		P30-R4	4刃圆角头 4 Flute,Corner Radius		D1-D20	28	78	●	●	●	●									
		P30-B2	2刃球头 2 Flute,Ball Nose		D1-D12	30	78	●	●	●	●									
		P30-B4	4刃球头 4 Flute,Ball Nose		D4-D12	31	79	●	●	●	●									
钢件高效 加工立铣刀 Endmill for Steel High Performance Machining	P40	P40-S4	4刃平头 4 Flute,Square		D1-D20	33	80	●	●	●	●						○	●		
		P40-R4	4刃圆角头 4 Flute,Corner Radius		D1-D20	34	80	●	●	●	●							○	●	














产品选择目录表

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							P			M	K	H			N			S						
							1	2	3	4	5	6	1	2	3	1	2	3	4	5	1	2	3	4
							碳钢、合金钢 Carbon Steel Alloy	合金钢 Alloy Steel	不锈钢 Stainless Steel	铸铁 Cast Iron	高硬钢 Hardened Steel	高硬钢 Hardened Steel	高硬钢 淬硬刚 Hardened Steel	铝合金 Aluminium Alloy	铜合金 Copper Alloy	石墨、复材 Graphite Composite Material	高温合金 Heat Resistant Super Alloy	钛合金 Titanium Alloy						
<HRC35	<HRC48		<HRC35	HRC45~55	HRC55~65	>HRC65																		
高硬钢通用 加工立铣刀 Endmill for Hardened Steel General Machining	H20	H20-S4	4刃平头 4 Flute,Square		D1-D16	36	81	●	●	○	●	●												
		H20-R4	4刃圆角头 4 Flute,Corner Radius		D1.5-D20	37	81	●	●	○	●	●												
		H20-B2	2刃球头 2 Flute,Ball Nose		D1-D12	38	82	●	●	○	●	●												
高硬钢高速 加工立铣刀 Endmill for Hardened Steel High Speed Machining	H30	H30-S4	4刃平头 4 Flute,Square		D1-D16	40	83					○	●	●										
		H30-R4	4刃圆角头 4 Flute,Corner Radius		D3-D12	41	83					○	●	●										
		H30-RN4	4刃长颈圆角头 4 Flute,Corner Radius with neck		D6-D12	42	83					○	●	●										
		H30-B2	2刃球头 2 Flute,Ball Nose		D1-D16	43	84					○	●	●										
铝合金高效 加工立铣刀 Endmill for Aluminium Alloy High Performance Machining	A40	A40-S3	3刃平头 3 Flute,Square		D1-D20	45	85								●	●								
		A40-R3	3刃圆角头 3 Flute,Corner Radius		D1-D20	46	85									●	●							
		A40-B2	2刃球头 2 Flute,Ball Nose		D1-D12	48	86									●	●							

产品选择目录表

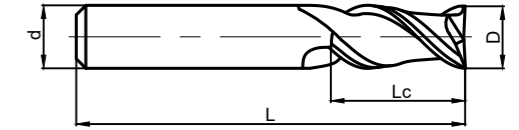
Selection Criteria Table of Product

名称 Name	系列 Series	产品型号 Type	刀具名称及外形 Description	刃径范围 Diameter Range	规格表 Dimension Page	切削参数页码 Cutting Parameters Page	工件材料 Workpieces Material																	
							P			M	K	H			N			S						
							1	2	3	4	5	6	1	2	3	1	2	3	4	5	1	2	3	4
							碳钢、合金钢 Carbon Steel Alloy	合金钢 Alloy Steel	不锈钢 Stainless Steel	铸铁 Cast Iron	高硬钢 Hardened Steel	高硬钢 Hardened Steel	高硬钢 淬硬刚 Hardened Steel	铝合金 Aluminium Alloy	铜合金 Copper Alloy	石墨、复材 Graphite Composite Material	高温合金 Heat Resistant Super Alloy	钛合金 Titanium Alloy						
<HRC35	<HRC48		<HRC35	HRC45~55	HRC55~65	>HRC65																		
通用加工 螺纹铣刀 Thread Milling Cutter for General Machining	TC	TC-1T	单牙 Single tooth		M1-M20	50		●	●	●	●	●	○		●	●		●	●					
		TC-3T	ISO三牙 ISO three teeth		M1-M20	51		●	●	●	●	●	○		●	●		●	●					
		TC-FT	全牙 Full teeth		M3-M24	52		●	●	●	●	●	○		●	●		●	●					
		TC-UN	美制UN American UN		D3-D19.9	53		●	●	●	●	●	○		●	●		●	●					
		TC-G	G		D5.8-D19.9	54		●	●	●	●	●	○		●	●		●	●					
		TC-RC	RC		D5.8-D19.9	54		●	●	●	●	●	○		●	●		●	●					
		TC-NPT	NPT		D5.3-D19.9	55		●	●	●	●	●	○		●	●		●	●					
		TC-NPTF	NPTF		D5.3-D19.9	55		●	●	●	●	●	○		●	●		●	●					
		TC-UN3T	UN三牙 UN three teeth		D1.45-D9	56		●	●	●	●	●	○		●	●		●	●					
钢件通用 加工钻头 Drill for Steel General Machining	DR	DR-3N	3D外冷 3D,External Cooling		D3-D20	58	87	●	●	○	●													
		DR-5N	5D外冷 5D,External Cooling		D3-D20	63	87		●	●	○	●												
		DR-3C	3D内冷 3D,Internal Cooling		D3-D20	67	88		●	●	○	●												
		DR-5C	5D内冷 5D,Internal Cooling		D3-D20	71	88		●	●	○	●												

P20-S2

2刃平头通用加工立铣刀

2 Flute, Square Endmill for General Machining



P	K	M	S	N	H
●	●	○			○

订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P20-S2-1-3-4-50	1	3	4	50	●
P20-S2-1.5-4-4-50	1.5	4	4	50	●
P20-S2-2-6-4-50	2	6	4	50	●
P20-S2-2.5-7-4-50	2.5	7	4	50	●
P20-S2-3-8-4-50	3	8	4	50	●
P20-S2-4-11-4-50	4	11	4	50	●
P20-S2-3-8-6-50	3	8	6	50	●
P20-S2-4-11-6-50	4	11	6	50	●
P20-S2-5-13-6-50	5	13	6	50	●
P20-S2-6-15-6-50	6	15	6	50	●
P20-S2-8-20-8-60	8	20	8	60	●
P20-S2-10-25-10-75	10	25	10	75	●
P20-S2-12-30-12-75	12	30	12	75	●

● 标准库存Stock ○ 需预订Available Upon Order

P20系列

钢件通用加工立铣刀

P20 series endmill for steel general machining

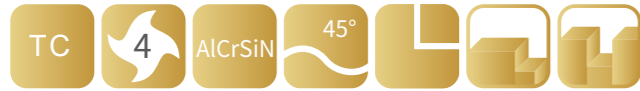
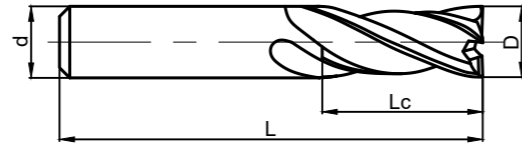
◎ 高韧性基材材质, 搭配特殊角度设计, 良好的刃口强度及抗崩性
High toughness substrate materials, special angle design, good edge strength and anti-collapse performance.

◎ 适用于48HRC以内普通钢、铸铁的通用加工
Application of steel (\leq HRC48) & cast iron general machining

P20-S4

4刃平头通用加工立铣刀

4 Fluet, Square Endmill for General Machining



P	K	M	S	N	H
●	●	○			○

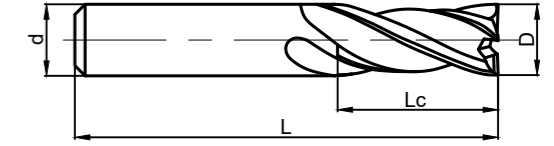
订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P20-S4-1-3-4-50	1	3	4	50	●
P20-S4-1.5-4-4-50	1.5	4	4	50	●
P20-S4-2-6-4-50	2	6	4	50	●
P20-S4-2.5-7-4-50	2.5	7	4	50	●
P20-S4-3-8-4-50	3	8	4	50	●
P20-S4-3-12-4-75	3	12	4	75	●
P20-S4-4-11-4-50	4	11	4	50	●
P20-S4-4-15-4-75	4	15	4	75	●
P20-S4-3-8-6-50	3	8	6	50	●
P20-S4-4-11-6-50	4	11	6	50	●
P20-S4-5-13-6-50	5	13	6	50	●
P20-S4-6-15-6-50	6	15	6	50	●
P20-S4-6-24-6-75	6	24	6	75	●
P20-S4-7-20-8-60	7	20	8	60	●
P20-S4-8-20-8-60	8	20	8	60	●
P20-S4-8-25-8-75	8	25	8	75	●
P20-S4-8-32-8-100	8	32	8	100	●
P20-S4-9-23-10-75	9	23	10	75	●
P20-S4-10-25-10-75	10	25	10	75	●
P20-S4-10-35-10-100	10	35	10	100	●
P20-S4-12-30-12-75	12	30	12	75	●
P20-S4-12-37-12-100	12	37	12	100	●
P20-S4-14-40-14-100	14	40	14	100	●
P20-S4-16-45-16-100	16	45	16	100	●

● 标准库存Stock ○ 需预订Available Upon Order

P20-S4

模架用 4刃平头立铣刀

4 Fluet, Square Endmill for General Machining



P	K	M	S	N	H
●	●	○			○

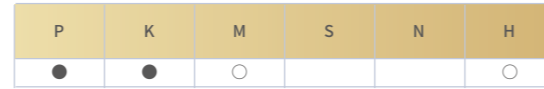
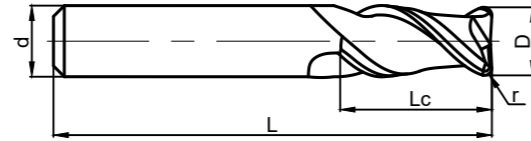
订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P20-S4-10-35-10-75	10	35	10	75	●
P20-S4-10-45-10-100	10	45	10	100	●
P20-S4-10-50-10-100	10	50	10	100	●
P20-S4-10-55-10-100	10	55	10	100	●
P20-S4-12-36-12-75	12	36	12	75	●
P20-S4-12-50-12-100	12	50	12	100	●
P20-S4-12-52-12-100	12	52	12	100	●
P20-S4-12-55-12-100	12	55	12	100	●

● 标准库存Stock ○ 需预订Available Upon Order

P20-R2

2刃圆角头通用加工立铣刀

2 Flute, Corner Radius Endmill for General Machining



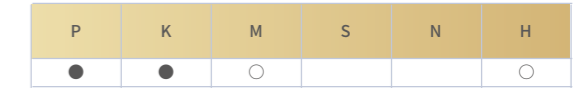
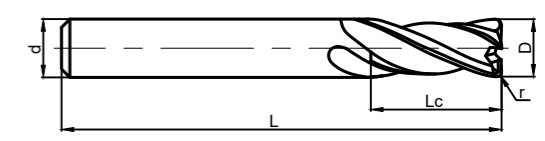
订货号 Ordering Code	刃径 (D) Dia.	圆角 (r) Corner Radius	刃长 (Lc) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
P20-R2-2-6-4-50-0.2	2	0.2	6	4	50	●
P20-R2-3-9-4-50-0.5	3	0.5	9	4	50	●
P20-R2-4-11-4-50-0.5	4	0.5	11	4	50	●
P20-R2-5-15-6-50-0.5	5	0.5	15	6	50	●
P20-R2-6-16-6-50-0.5	6	0.5	16	6	50	●
P20-R2-6-16-6-50-1	6	1	16	6	50	●
P20-R2-8-20-8-60-0.5	8	0.5	20	8	60	●
P20-R2-8-20-8-60-1	8	1	20	8	60	●
P20-R2-10-25-10-75-0.5	10	0.5	25	10	75	●
P20-R2-10-25-10-75-1	10	1	25	10	75	●
P20-R2-10-25-10-75-2	10	2	25	10	75	●

● 标准库存Stock ○ 需预订Available Upon Order

P20-R4

4刃圆角头通用加工立铣刀

4 Flute, Corner Radius Endmill for General Machining



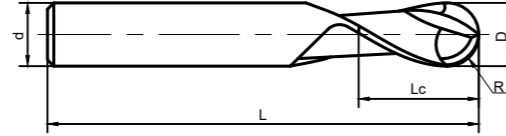
订货号 Ordering Code	刃径 (D) Dia.	圆角 (r) Corner Radius	刃长 (Lc) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
P20-R4-1.5-4-4-50-0.2	1.5	0.2	4	4	50	●
P20-R4-2-6-4-50-0.2	2	0.2	6	4	50	●
P20-R4-3-9-4-50-0.2	3	0.2	9	4	50	●
P20-R4-3-9-4-50-0.5	3	0.5	9	4	50	●
P20-R4-4-10-4-50-0.2	4	0.2	10	4	50	●
P20-R4-4-10-4-50-0.5	4	0.5	10	4	50	●
P20-R4-4-12-4-75-0.5	4	0.5	12	4	75	●
P20-R4-4-10-4-50-1	4	1	10	4	50	●
P20-R4-5-15-6-50-0.5	5	0.5	15	6	50	●
P20-R4-5-15-6-50-1	5	1	15	6	50	●
P20-R4-6-15-6-50-0.2	6	0.2	15	6	50	●
P20-R4-6-15-6-50-0.5	6	0.5	15	6	50	●
P20-R4-6-18-6-75-0.5	6	0.5	18	6	75	●
P20-R4-6-15-6-50-1	6	1	15	6	50	●
P20-R4-6-18-6-75-1	6	1	18	6	75	●
P20-R4-8-20-8-60-0.5	8	0.5	20	8	60	●
P20-R4-8-24-8-75-0.5	8	0.5	24	8	75	●
P20-R4-8-35-8-100-0.5	8	0.5	35	8	100	●
P20-R4-8-20-8-60-1	8	1	20	8	60	●
P20-R4-8-35-8-100-1	8	1	35	8	100	●
P20-R4-10-25-10-75-0.5	10	0.5	25	10	75	●
P20-R4-10-35-10-100-0.5	10	0.5	35	10	100	●
P20-R4-10-25-10-75-1	10	1	25	10	75	●
P20-R4-10-35-10-100-1	10	1	35	10	100	●
P20-R4-10-25-10-75-2	10	2	25	10	75	●
P20-R4-12-30-12-75-0.5	12	0.5	30	12	75	●
P20-R4-12-35-12-100-0.5	12	0.5	35	12	100	●
P20-R4-12-30-12-75-1	12	1	30	12	75	●
P20-R4-12-35-12-100-1	12	1	35	12	100	●
P20-R4-12-30-12-75-1.5	12	1.5	30	12	75	●
P20-R4-12-30-12-75-2	12	2	30	12	75	●
P20-R4-16-40-16-100-1	16	1	45	16	100	●
P20-R4-20-45-20-100-1	20	1	45	20	100	●

● 标准库存Stock ○ 需预订Available Upon Order

P20-B2

2刃球头通用加工立铣刀

2 Flute, Ball Nose Endmill for General Machining



P	K	M	S	N	H
●	●	○			○

订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P20-B2-1-2-4-50	1	0.5	2	4	50	●
P20-B2-1.5-3-4-50	1.5	0.75	3	4	50	●
P20-B2-2-4-4-50	2	1	4	4	50	●
P20-B2-2.5-5-4-50	2.5	1.25	5	4	50	●
P20-B2-3-6-4-50	3	1.5	6	4	50	●
P20-B2-4-8-4-50	4	2	8	4	50	●
P20-B2-4-8-4-75	4	2	8	4	75	●
P20-B2-5-10-6-50	5	2.5	10	6	50	●
P20-B2-6-12-6-50	6	3	12	6	50	●
P20-B2-6-12-6-75	6	3	12	6	75	●
P20-B2-7-14-8-60	7	3.5	14	8	60	●
P20-B2-8-16-8-60	8	4	16	8	60	●
P20-B2-8-16-8-75	8	4	16	8	75	●
P20-B2-9-16-10-75	9	4.5	16	10	75	●
P20-B2-10-20-10-75	10	5	20	10	75	●
P20-B2-10-20-10-100	10	5	20	10	100	●
P20-B2-12-24-12-75	12	6	24	12	75	●
P20-B2-12-24-12-100	12	6	24	12	100	●

● 标准库存Stock ○ 需预订Available Upon Order



P30系列

钢件高速加工立铣刀

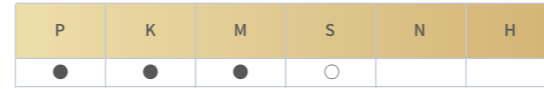
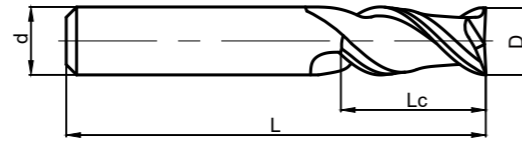
P30 series endmill for steel high speed machining

- ◎ 适用于普通钢(≤HRC48)、铸铁材料的高速加工
Suitable for application of steel (≤HRC48) & cast iron high speed machining
- ◎ 采用全新升级的高抗氧化性和高附着强度的AlCr系涂层
AlCr series coating with high oxidation resistance and high adhesion

P30-S2

2刃平头高速加工立铣刀

2 Flute, Square Endmill for High Speed Machining



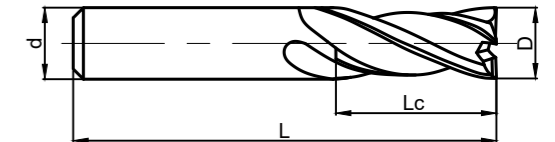
订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P30-S2-0.5-1-4-50	0.5	1	4	50	●
P30-S2-0.8-2-4-50	0.8	2	4	50	●
P30-S2-1-3-4-50	1	3	4	50	●
P30-S2-1.5-4-4-50	1.5	4	4	50	●
P30-S2-2-6-4-50	2	6	4	50	●
P30-S2-2.5-7-4-50	2.5	7	4	50	●
P30-S2-3-9-4-50	3	9	4	50	●
P30-S2-4-11-4-50	4	11	4	50	●
P30-S2-4-15-4-75	4	15	4	75	●
P30-S2-2-6-6-50	2	6	6	50	●
P30-S2-3-9-6-50	3	9	6	50	●
P30-S2-4-11-6-50	4	11	6	50	●
P30-S2-5-15-6-50	5	15	6	50	●
P30-S2-6-16-6-50	6	16	6	50	●
P30-S2-6-24-6-75	6	24	6	75	●
P30-S2-7-20-8-60	7	20	8	60	●
P30-S2-8-20-8-60	8	20	8	60	●
P30-S2-8-25-8-75	8	25	8	75	●
P30-S2-9-25-10-75	9	25	10	75	●
P30-S2-10-25-10-75	10	25	10	75	●
P30-S2-10-35-10-100	10	35	10	100	●
P30-S2-12-30-12-75	12	30	12	75	●
P30-S2-12-35-12-100	12	35	12	100	●
P30-S2-14-45-14-100	14	45	14	100	●
P30-S2-16-45-16-100	16	45	16	100	●
P30-S2-20-45-20-100	20	45	20	100	●

● 标准库存Stock ○ 需预订Available Upon Order

P30-S4

4刃平头高速加工立铣刀

4 Flute, Square Endmill for High Speed Machining



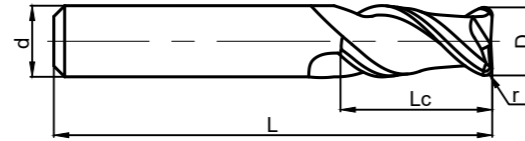
订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P30-S4-1-3-4-50	1	3	4	50	●
P30-S4-1.5-4.5-4-50	1.5	4.5	4	50	●
P30-S4-2-6-4-50	2	6	4	50	●
P30-S4-2.5-7-4-50	2.5	7	4	50	●
P30-S4-3-9-4-50	3	9	4	50	●
P30-S4-3.5-10-4-50	3.5	10	4	50	●
P30-S4-4-11-4-50	4	11	4	50	●
P30-S4-4-15-4-75	4	15	4	75	●
P30-S4-2-6-6-50	2	6	6	50	●
P30-S4-3-9-6-50	3	9	6	50	●
P30-S4-4-11-6-50	4	11	6	50	●
P30-S4-5-15-6-50	5	15	6	50	●
P30-S4-6-16-6-50	6	16	6	50	●
P30-S4-6-24-6-75	6	24	6	75	●
P30-S4-6-30-6-100	6	30	6	100	●
P30-S4-8-20-8-60	8	20	8	60	●
P30-S4-8-30-8-75	8	30	8	75	●
P30-S4-8-40-8-100	8	40	8	100	●
P30-S4-10-25-10-75	10	25	10	75	●
P30-S4-10-35-10-100	10	35	10	100	●
P30-S4-10-50-10-150	10	50	10	150	●
P30-S4-12-30-12-75	12	30	12	75	●
P30-S4-12-40-12-100	12	40	12	100	●
P30-S4-12-50-12-150	12	50	12	150	●
P30-S4-14-45-14-100	14	45	14	100	●
P30-S4-14-60-14-150	14	60	14	150	●
P30-S4-16-45-16-100	16	45	16	100	●
P30-S4-16-60-16-150	16	60	16	150	●
P30-S4-18-45-18-100	18	45	18	100	●
P30-S4-18-60-18-150	18	60	18	150	●
P30-S4-20-45-20-100	20	45	20	100	●
P30-S4-20-60-20-150	20	60	20	150	●

● 标准库存Stock ○ 需预订Available Upon Order

P30-R2

2刃圆角头高速加工立铣刀

2 Flute, Corner Radius Endmill for High Speed Machining



P	K	M	S	N	H
●	●	●	○		

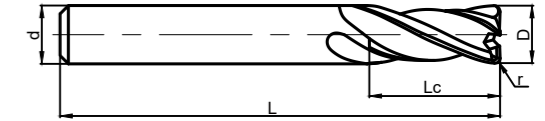
订货号 Ordering Code	刃径 (D) Dia.	圆角 (r) Corner Radius	刃长 (Lc) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
P30-R2-3-9-4-50-0.2	3	0.2	9	4	50	●
P30-R2-3-9-4-50-0.5	3	0.5	9	4	50	●
P30-R2-4-10-4-50-0.5	4	0.5	10	4	50	●
P30-R2-4-10-6-50-0.3	4	0.3	10	6	50	●
P30-R2-4-10-6-50-0.5	4	0.5	10	6	50	●
P30-R2-4-10-6-50-1	4	1	10	6	50	●
P30-R2-5-15-6-50-0.5	5	0.5	15	6	50	●
P30-R2-6-16-6-50-0.2	6	0.2	16	6	50	●
P30-R2-6-16-6-50-0.5	6	0.5	16	6	50	●
P30-R2-6-16-6-50-1	6	1	16	6	50	●
P30-R2-8-20-8-60-0.5	8	0.5	20	8	60	●
P30-R2-8-20-8-60-1	8	1	20	8	60	●
P30-R2-10-25-10-75-0.5	10	0.5	25	10	75	●
P30-R2-12-30-12-75-0.5	12	0.5	30	12	75	●

● 标准库存Stock ○ 需预订Available Upon Order

P30-R4

4刃圆角头高速加工立铣刀

4 Flute, Corner Radius Endmill for High Speed Machining



P	K	M	S	N	H
●	●	●	○		

订货号 Ordering Code	刃径 (D) Dia.	圆角 (r) Corner Radius	刃长 (Lc) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
P30-R4-1-3-4-50-0.1	1	0.1	3	4	50	●
P30-R4-1-3-4-50-0.2	1	0.2	3	4	50	●
P30-R4-1-3-4-50-0.3	1	0.3	3	4	50	●
P30-R4-2-6-4-50-0.1	2	0.1	6	4	50	●
P30-R4-2-6-4-50-0.2	2	0.2	6	4	50	●
P30-R4-2-6-4-50-0.3	2	0.3	6	4	50	●
P30-R4-3-6-4-50-0.1	3	0.1	6	4	50	●
P30-R4-3-6-4-50-0.2	3	0.2	6	4	50	●
P30-R4-3-9-4-50-0.3	3	0.3	9	4	50	●
P30-R4-3-6-4-50-0.5	3	0.5	6	4	50	●
P30-R4-4-10-4-50-0.1	4	0.1	10	4	50	●
P30-R4-4-10-4-50-0.2	4	0.2	10	4	50	●
P30-R4-4-10-4-50-0.3	4	0.3	10	4	50	●
P30-R4-4-10-4-50-0.5	4	0.5	10	4	50	●
P30-R4-4-12-4-75-0.5	4	0.5	12	4	75	●
P30-R4-4-10-4-50-1	4	1	10	4	50	●
P30-R4-4-10-6-50-0.3	4	0.3	10	6	50	●
P30-R4-4-10-6-50-0.5	4	0.5	10	6	50	●
P30-R4-4-12-6-75-0.5	4	0.5	12	6	75	●
P30-R4-5-15-6-50-0.5	5	0.5	15	6	50	●
P30-R4-6-15-6-50-0.1	6	0.1	15	6	50	●
P30-R4-6-15-6-50-0.2	6	0.2	15	6	50	●
P30-R4-6-15-6-50-0.3	6	0.3	15	6	50	●
P30-R4-6-16-6-50-0.5	6	0.5	16	6	50	●
P30-R4-6-18-6-75-0.5	6	0.5	18	6	75	●
P30-R4-6-18-6-100-0.5	6	0.5	18	6	100	●
P30-R4-6-15-6-50-1	6	1	15	6	50	●
P30-R4-6-15-6-50-1.5	6	1.5	15	6	50	●
P30-R4-6-15-6-50-2	6	2	15	6	50	●
P30-R4-8-20-8-60-0.2	8	0.2	20	8	60	●
P30-R4-8-20-8-60-0.5	8	0.5	20	8	60	●
P30-R4-8-25-8-75-0.5	8	0.5	25	8	75	●
P30-R4-8-35-8-100-0.5	8	0.5	35	8	100	●

● 标准库存Stock ○ 需预订Available Upon Order

P30-R4

4刃圆角头高速加工立铣刀

4 Flute, Corner Radius Endmill for High Speed Machining



P	K	M	S	N	H
●	●	●	○		

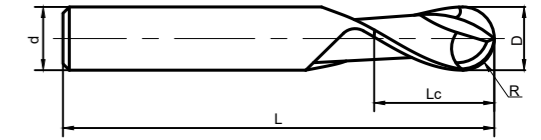
订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P30-R4-8-20-8-60-1	8	1	20	8	60	●
P30-R4-8-20-8-60-1.5	8	1.5	20	8	60	●
P30-R4-8-20-8-60-2	8	2	20	8	60	●
P30-R4-10-25-10-75-0.5	10	0.5	25	10	75	●
P30-R4-10-35-10-100-0.5	10	0.5	35	10	100	●
P30-R4-10-40-10-150-0.5	10	0.5	40	10	150	●
P30-R4-10-25-10-75-1	10	1	25	10	75	●
P30-R4-10-25-10-75-1.5	10	1.5	25	10	75	●
P30-R4-10-25-10-75-2	10	2	25	10	75	●
P30-R4-10-25-10-75-2.5	10	2.5	25	10	75	●
P30-R4-12-30-12-75-0.5	12	0.5	30	12	75	●
P30-R4-12-36-12-100-0.5	12	0.5	36	12	100	●
P30-R4-12-45-12-150-0.5	12	0.5	45	12	150	●
P30-R4-12-30-12-75-1	12	1	30	12	75	●
P30-R4-12-30-12-75-1.5	12	1.5	30	12	75	●
P30-R4-12-30-12-75-2	12	2	30	12	75	●
P30-R4-12-30-12-75-2.5	12	2.5	30	12	75	●
P30-R4-14-40-14-100-0.5	14	0.5	40	14	100	●
P30-R4-14-60-14-150-0.5	14	0.5	60	14	150	●
P30-R4-16-40-16-100-0.5	16	0.5	40	16	100	●
P30-R4-16-50-16-150-0.5	16	0.5	50	16	150	●
P30-R4-20-45-16-100-0.5	20	0.5	45	20	100	●
P30-R4-20-60-16-150-0.5	20	0.5	60	20	150	●

● 标准库存Stock ○ 需预订Available Upon Order

P30-B2

2刃球头高速加工立铣刀

2 Flute, Ball Nose Endmill for High Speed Machining



P	K	M	S	N	H
●	●	●	○		

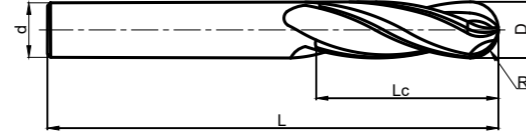
订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P30-B2-1-2-4-50	1	0.5	2	4	50	●
P30-B2-1.5-3-4-50	1.5	0.75	3	4	50	●
P30-B2-2-4-4-50	2	1	4	4	50	●
P30-B2-3-6-4-50	3	1.5	6	4	50	●
P30-B2-4-8-4-50	4	2	8	4	50	●
P30-B2-4-8-4-75	4	2	8	4	75	●
P30-B2-3-6-6-50	3	1.5	6	6	50	●
P30-B2-4-8-6-50	4	2	8	6	50	●
P30-B2-5-10-6-50	5	2.5	10	6	50	●
P30-B2-6-12-6-50	6	3	12	6	50	●
P30-B2-6-12-6-75	6	3	12	6	75	●
P30-B2-6-12-6-100	6	3	12	6	100	●
P30-B2-8-16-8-60	8	4	16	8	60	●
P30-B2-8-16-8-75	8	4	16	8	75	●
P30-B2-8-16-8-100	8	4	16	8	100	●
P30-B2-10-15-10-75	10	5	15	10	75	●
P30-B2-10-20-10-100	10	5	20	10	100	●
P30-B2-12-24-12-75	12	6	24	12	75	●
P30-B2-12-24-12-100	12	6	24	12	100	●

● 标准库存Stock ○ 需预订Available Upon Order

P30-B4

4刃球头高速加工立铣刀

4 Flute, Ball Nose Endmill for High Speed Machining



P	K	M	S	N	H
●	●	●	○		

订货号 Ordering Code	刃径 (D) Dia.	圆角 (r) Corner Radius	刃长 (Lc) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
P30-B4-4-8-4-50	4	2	8	4	50	●
P30-B4-6-12-6-50	6	3	12	6	50	●
P30-B4-8-16-8-60	8	4	16	8	60	●
P30-B4-10-18-10-75	10	5	18	10	75	●
P30-B4-12-22-12-75	12	6	22	12	75	●

● 标准库存Stock ○ 需预订Available Upon Order



P40系列

钢件高效加工立铣刀

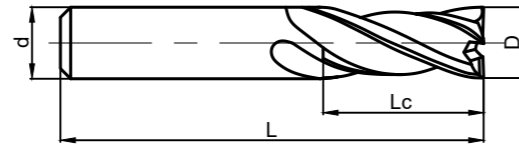
P40 series endmill for steel high performance machining

- ◎ 适用于普通钢 (\leq HRC48)、铸铁材料的高效加工
Suitable for application of steel (\leq 48HRC) & cast iron high performance machining
- ◎ 采用全新升级的高抗氧化性和高附着强度的AlCr系涂层
AlCr series coating with high oxidation resistance and high adhesion
- ◎ 不等螺旋、不等分度设计, 优异的减振性能
Unequal helix angle and unequal spacing of teeth , greatly reduces vibration

P40-S4

4刃平头高效加工立铣刀

4 Flute, Square Endmill for High Performance Machining



P	K	M	S	N	H
●	●	○	○		

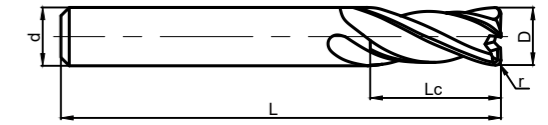
订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P40-S4-1-3-4-50	1	3	4	50	●
P40-S4-1.5-4-4-50	1.5	4	4	50	●
P40-S4-2-6-4-50	2	6	4	50	●
P40-S4-2.5-7-4-50	2.5	7	4	50	●
P40-S4-3-8-4-50	3	8	4	50	●
P40-S4-3-12-4-75	3	12	4	75	●
P40-S4-4-11-4-50	4	11	4	50	●
P40-S4-4-15-4-75	4	15	4	75	●
P40-S4-3-8-6-50	3	8	6	50	●
P40-S4-4-11-6-50	4	11	6	50	●
P40-S4-5-13-6-50	5	13	6	50	●
P40-S4-6-15-6-50	6	15	6	50	●
P40-S4-6-24-6-75	6	24	6	75	●
P40-S4-7-20-8-60	7	20	8	60	●
P40-S4-8-20-8-60	8	20	8	60	●
P40-S4-8-25-8-75	8	25	8	75	●
P40-S4-8-32-8-100	8	32	8	100	●
P40-S4-9-23-10-75	9	23	10	75	●
P40-S4-10-25-10-75	10	25	10	75	●
P40-S4-10-35-10-100	10	35	10	100	●
P40-S4-12-30-12-75	12	30	12	75	●
P40-S4-12-37-12-100	12	37	12	100	●
P40-S4-14-45-14-100	14	45	14	100	●
P40-S4-16-45-16-100	16	45	16	100	●
P40-S4-20-45-20-100	20	45	20	100	●

● 标准库存Stock ○ 需预订Available Upon Order

P40-R4

4刃圆角头高效加工立铣刀

4 Flute, Corner Radius Endmill for High Performance Machining



P	K	M	S	N	H
●	●	○	○		

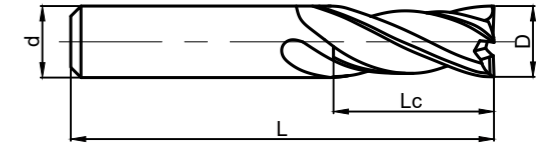
订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
P40-R4-1.5-4-4-50-0.2	1.5	0.2	4	4	50	●
P40-R4-2-6-4-50-0.2	2	0.2	6	4	50	●
P40-R4-3-9-4-50-0.2	3	0.2	9	4	50	●
P40-R4-3-9-4-50-0.5	3	0.5	9	4	50	●
P40-R4-4-10-4-50-0.2	4	0.2	10	4	50	●
P40-R4-4-10-4-50-0.5	4	0.5	10	4	50	●
P40-R4-4-10-4-50-1	4	1	10	4	50	●
P40-R4-4-12-4-75-0.5	4	0.5	12	4	75	●
P40-R4-5-15-6-50-0.5	5	0.5	15	6	50	●
P40-R4-5-15-6-50-1	5	1	15	6	50	●
P40-R4-6-15-6-50-0.2	6	0.2	15	6	50	●
P40-R4-6-15-6-50-0.5	6	0.5	15	6	50	●
P40-R4-6-15-6-50-1	6	1	15	6	50	●
P40-R4-6-18-6-75-0.5	6	0.5	18	6	75	●
P40-R4-6-18-6-75-1	6	1	18	6	75	●
P40-R4-8-20-8-60-0.5	8	0.5	20	8	60	●
P40-R4-8-20-8-60-1	8	1	20	8	60	●
P40-R4-8-24-8-75-0.5	8	0.5	24	8	75	●
P40-R4-8-24-8-75-1	8	1	24	8	75	●
P40-R4-8-35-8-100-0.5	8	0.5	35	8	100	●
P40-R4-8-35-8-100-1	8	1	35	8	100	●
P40-R4-10-25-10-75-0.5	10	0.5	25	10	75	●
P40-R4-10-25-10-75-1	10	1	25	10	75	●
P40-R4-10-25-10-75-2	10	2	25	10	75	●
P40-R4-10-35-10-100-0.5	10	0.5	35	10	100	●
P40-R4-10-35-10-100-1	10	1	35	10	100	●
P40-R4-12-30-12-75-0.5	12	0.5	30	12	75	●
P40-R4-12-30-12-75-1	12	1	30	12	75	●
P40-R4-12-30-12-75-1.5	12	1.5	30	12	75	●
P40-R4-12-30-12-75-2	12	2	30	12	75	●
P40-R4-12-35-12-100-0.5	12	0.5	35	12	100	●
P40-R4-12-35-12-100-1	12	1	35	12	100	●
P40-R4-16-40-16-100-1	16	1	40	16	100	●
P40-R4-20-45-20-100-1	20	1	45	20	100	●

● 标准库存Stock ○ 需预订Available Upon Order

H20-S4

4刃平头通用加工立铣刀

4Flute, Square Endmill for General Machining



P	K	M	S	N	H
●	●	○			●

H20系列

高硬钢通用加工立铣刀

H20 series endmill for hardened steel general machining

◎ 适用于高硬钢材料(≤HRC55)的半精加工、精加工
Suitable for application of hardened steel (≤HRC55) semi-finishing and finishing

◎ 采用全新升级的高抗氧化性和高附着强度的AlCr系涂层
AlCr series coating with high oxidation resistance and high adhesion

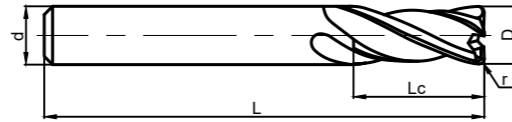
订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
H20-S4-1-3-4-50	1	3	4	50	●
H20-S4-1.5-4-4-50	1.5	4	4	50	●
H20-S4-2-6-4-50	2	6	4	50	●
H20-S4-2.5-7-4-50	2.5	7	4	50	●
H20-S4-3-8-4-50	3	8	4	50	●
H20-S4-3-12-4-75	3	12	4	75	●
H20-S4-4-11-4-50	4	11	4	50	●
H20-S4-4-15-4-75	4	15	4	75	●
H20-S4-3-8-6-50	3	8	6	50	●
H20-S4-4-11-6-50	4	11	6	50	●
H20-S4-5-13-6-50	5	13	6	50	●
H20-S4-6-15-6-50	6	15	6	50	●
H20-S4-6-24-6-75	6	24	6	75	●
H20-S4-7-20-8-60	7	20	8	60	●
H20-S4-8-20-8-60	8	20	8	60	●
H20-S4-8-25-8-75	8	25	8	75	●
H20-S4-8-32-8-100	8	32	8	100	●
H20-S4-9-23-10-75	9	23	10	75	●
H20-S4-10-25-10-75	10	25	10	75	●
H20-S4-10-35-10-100	10	35	10	100	●
H20-S4-12-30-12-75	12	30	12	75	●
H20-S4-12-37-12-100	12	37	12	100	●
H20-S4-14-40-14-100	14	40	14	100	●
H20-S4-16-45-16-100	16	45	16	100	●

● 标准库存Stock ○ 需预订Available Upon Order

H20-R4

4刃圆角头通用加工立铣刀

4 Flute, Corner Radius Endmill for General Machining



P	K	M	S	N	H
●	●	○			●

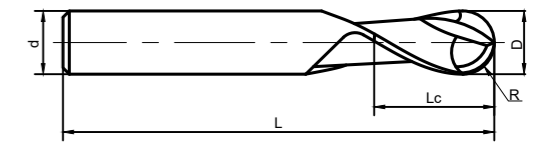
订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
H20-R4-1.5-4-4-50-0.2	1.5	0.2	4	4	50	●
H20-R4-2-6-4-50-0.2	2	0.2	6	4	50	●
H20-R4-3-9-4-50-0.2	3	0.2	9	4	50	●
H20-R4-3-9-4-50-0.5	3	0.5	9	4	50	●
H20-R4-4-10-4-50-0.2	4	0.2	10	4	50	●
H20-R4-4-10-4-50-0.5	4	0.5	10	4	50	●
H20-R4-4-12-4-75-0.5	4	0.5	12	4	75	●
H20-R4-4-10-4-50-1	4	1	10	4	50	●
H20-R4-5-15-6-50-0.5	5	0.5	15	6	50	●
H20-R4-5-15-6-50-1	5	1	15	6	50	●
H20-R4-6-15-6-50-0.2	6	0.2	15	6	50	●
H20-R4-6-15-6-50-0.5	6	0.5	15	6	50	●
H20-R4-6-18-6-75-0.5	6	0.5	18	6	75	●
H20-R4-6-15-6-50-1	6	1	15	6	50	●
H20-R4-6-18-6-75-1	6	1	18	6	75	●
H20-R4-8-20-8-60-0.5	8	0.5	20	8	60	●
H20-R4-8-24-8-75-0.5	8	0.5	24	8	75	●
H20-R4-8-35-8-100-0.5	8	0.5	35	8	100	●
H20-R4-8-20-8-60-1	8	1	20	8	60	●
H20-R4-8-35-8-100-1	8	1	35	8	100	●
H20-R4-10-25-10-75-0.5	10	0.5	25	10	75	●
H20-R4-10-35-10-100-0.5	10	0.5	35	10	100	●
H20-R4-10-25-10-75-1	10	1	25	10	75	●
H20-R4-10-35-10-100-1	10	1	35	10	100	●
H20-R4-10-25-10-75-2	10	2	25	10	75	●
H20-R4-12-30-12-75-0.5	12	0.5	30	12	75	●
H20-R4-12-35-12-100-0.5	12	0.5	35	12	100	●
H20-R4-12-30-12-75-1	12	1	30	12	75	●
H20-R4-12-35-12-100-1	12	1	35	12	100	●
H20-R4-12-30-12-75-1.5	12	1.5	30	12	75	●
H20-R4-12-30-12-75-2	12	2	30	12	75	●
H20-R4-16-40-16-100-1	16	1	45	16	100	●
H20-R4-20-45-20-100-1	20	1	45	20	100	●

● 标准库存Stock ○ 需预订Available Upon Order

H20-B2

2刃球头通用加工立铣刀

2 Flute, Ball Nose Endmill for General Machining



P	K	M	S	N	H
●	●	○			●

订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
H20-B2-1-2-4-50	1	0.5	2	4	50	●
H20-B2-1.5-3-4-50	1.5	0.75	3	4	50	●
H20-B2-2-4-4-50	2	1	4	4	50	●
H20-B2-2.5-5-4-50	2.5	1.25	5	4	50	●
H20-B2-3-6-4-50	3	1.5	6	4	50	●
H20-B2-4-8-4-50	4	2	8	4	50	●
H20-B2-4-8-4-75	4	2	8	4	75	●
H20-B2-5-10-6-50	5	2.5	10	6	50	●
H20-B2-6-9-6-50	6	3	9	6	50	●
H20-B2-6-9-6-75	6	3	9	6	75	●
H20-B2-7-14-8-60	7	3.5	14	8	60	●
H20-B2-8-12-8-60	8	4	12	8	60	●
H20-B2-8-12-8-75	8	4	12	8	75	●
H20-B2-9-16-10-75	9	4.5	16	10	75	●
H20-B2-10-20-10-75	10	5	20	10	75	●
H20-B2-10-20-10-100	10	5	20	10	100	●
H20-B2-12-24-12-75	12	6	24	12	75	●
H20-B2-12-24-12-100	12	6	24	12	100	●

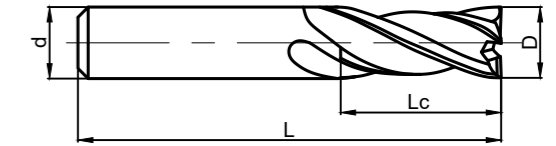
● 标准库存Stock ○ 需预订Available Upon Order



H30-S4

4刃平头高速加工立铣刀

4 Flute, Square Endmill for High Speed Machining



P	K	M	S	N	H
					●

订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
H30-S4-1-3-4-50	1	3	4	50	●
H30-S4-1.5-4-4-50	1.5	4	4	50	●
H30-S4-2-6-4-50	2	6	4	50	●
H30-S4-2.5-7-4-50	2.5	7	4	50	●
H30-S4-3-9-4-50	3	9	4	50	●
H30-S4-4-11-4-50	4	11	4	50	●
H30-S4-4-15-4-75	4	15	4	75	●
H30-S4-2-6-6-50	2	6	6	50	●
H30-S4-3-9-6-50	3	9	6	50	●
H30-S4-4-11-6-50	4	11	6	50	●
H30-S4-5-13-6-50	5	13	6	50	●
H30-S4-6-15-6-50	6	15	6	50	●
H30-S4-6-20-6-75	6	20	6	75	●
H30-S4-8-20-8-60	8	20	8	60	●
H30-S4-8-25-8-75	8	25	8	75	●
H30-S4-10-25-10-75	10	25	10	75	●
H30-S4-10-30-10-100	10	30	10	100	●
H30-S4-12-30-12-75	12	30	12	75	●
H30-S4-12-35-12-100	12	35	12	100	●
H30-S4-14-35-14-100	14	35	14	100	●
H30-S4-16-45-16-100	16	45	16	100	●

● 标准库存Stock ○ 需预订Available Upon Order

H30系列

高硬钢高速加工立铣刀

H30 series endmill for hardened steel high speed machining

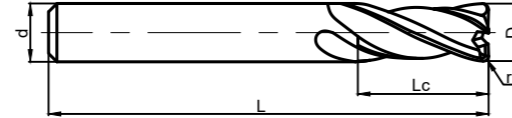
◎ 适用于高硬钢材料 (≤HRC65) 的半精加工、精加工
Suitable for application of hardened steel (≤HRC65) semi-finishing and finishing

◎ 采用高硬度和高抗氧化性的TiAlCrSiN涂层
TiAlCrSiN coating with high hardness and high oxidation resistance

H30-R4

4刃圆角头高速加工立铣刀

4 Flute, Corner Radius Endmill for High Speed Machining



P	K	M	S	N	H
					●

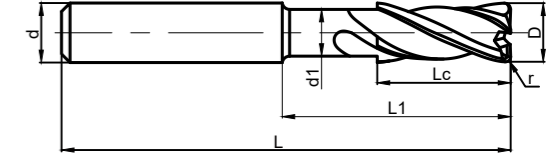
订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
H30-R4-3-6-4-50-0.2	3	0.2	6	4	50	●
H30-R4-4-8-4-50-0.3	4	0.3	8	4	50	●
H30-R4-4-8-4-50-0.5	4	0.5	8	4	50	●
H30-R4-4-12-75-0.5	4	0.5	12	4	75	●
H30-R4-5-10-6-50-0.5	5	0.5	10	6	50	●
H30-R4-6-12-6-50-0.5	6	0.5	12	6	50	●
H30-R4-6-12-75-0.5	6	0.5	12	6	75	●
H30-R4-6-12-6-50-1	6	1	12	6	50	●
H30-R4-8-16-8-60-0.5	8	0.5	16	8	60	●
H30-R4-8-16-75-0.5	8	0.5	16	8	75	●
H30-R4-8-16-8-60-1	8	1	16	8	60	●
H30-R4-10-20-10-75-0.5	10	0.5	20	10	75	●
H30-R4-10-20-10-100-0.5	10	0.5	20	10	100	●
H30-R4-10-20-10-75-1	10	1	20	10	75	●
H30-R4-12-24-12-75-0.5	12	0.5	24	12	75	●
H30-R4-12-24-12-100-0.5	12	0.5	24	12	100	●
H30-R4-12-24-12-75-1	12	1	24	12	75	●
H30-R4-12-24-12-75-2	12	2	24	12	75	●

● 标准库存Stock ○ 需预订Available Upon Order

H30-RN4

4刃长颈圆角头高速加工立铣刀

4 Flute, Corner Radius Endmill with Reduced Neck for High Speed Machining



P	K	M	S	N	H
					●

订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	颈长 (L1) Neck Length	柄径(d) Shank Dia.	全长(L) Overall Length	颈径 (d1) Neck Length	库存 Stock
H30-RN4-6-6-6-75-0.5	6	0.5	6	18	6	75	5.8	●
H30-RN4-6-6-6-75-1	6	1	6	18	6	75	5.8	●
H30-RN4-8-8-8-100-0.5	8	0.5	8	24	8	100	7.8	●
H30-RN4-8-8-8-100-1	8	1	8	24	8	100	7.8	●
H30-RN4-10-8-10-100-0.5	10	0.5	8	30	10	100	9.6	●
H30-RN4-10-8-10-100-1	10	1	8	30	10	100	9.6	●
H30-RN4-10-8-10-100-2	10	2	8	30	10	100	9.6	●
H30-RN4-12-12-12-100-0.5	12	0.5	12	36	12	100	11.5	●
H30-RN4-12-12-12-100-1	12	1	12	36	12	100	11.5	●
H30-RN4-12-12-12-100-2	12	2	12	36	12	100	11.5	●

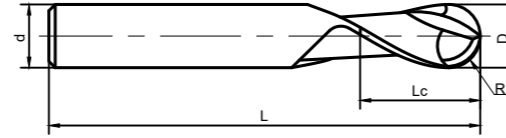
● 标准库存Stock ○ 需预订Available Upon Order

● 标准库存Stock ○ 需预订Available Upon Order

H30-B2

2刃球头高速加工立铣刀

2 Flute, Ball Nose Endmill for High Speed Machining



P	K	M	S	N	H
					●

订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
H30-B2-1-1.5-4-50	1	0.5	1.5	4	50	●
H30-B2-1.5-2.5-4-50	1.5	0.75	2.5	4	50	●
H30-B2-2-3-4-50	2	1	3	4	50	●
H30-B2-2.5-4-4-50	2.5	1.25	4	4	50	●
H30-B2-3-5-4-50	3	1.5	5	4	50	●
H30-B2-4-6-4-50	4	2	6	4	50	●
H30-B2-3-5-6-50	3	1.5	5	6	50	●
H30-B2-3-4.5-6-75	3	1.5	4.5	6	75	●
H30-B2-4-6-6-50	4	2	6	6	50	●
H30-B2-4-6-6-75	4	2	6	6	75	●
H30-B2-5-7.5-6-50	5	2.5	7.5	6	50	●
H30-B2-5-7.5-6-75	5	2.5	7.5	6	75	●
H30-B2-6-9-6-50	6	3	9	6	50	●
H30-B2-6-9-6-75	6	3	9	6	75	●
H30-B2-8-12-8-60	8	4	12	8	60	●
H30-B2-8-12-8-75	8	4	12	8	75	●
H30-B2-8-12-8-100	8	4	12	8	100	●
H30-B2-10-15-10-75	10	5	15	10	75	●
H30-B2-10-15-10-100	10	5	15	10	100	●
H30-B2-12-18-12-75	12	6	18	12	75	●
H30-B2-12-18-12-100	12	6	18	12	100	●
H30-B2-16-24-16-100	16	8	24	16	100	●

● 标准库存Stock ○ 需预订Available Upon Order

A40系列

铝合金高效加工立铣刀

A40 series endmill for aluminum alloy high performance machining

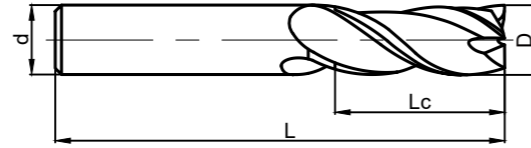
◎ 适用于铝合金 (Si<12%) 及铜合金 (<HB200) 的高效粗加工及精加工
Suitable for application of roughing and finishing of aluminum alloy (Si<12%) and copper alloy (<200HB)

◎ 独特的刃型设计, 能够有效防止振动, 获得良好的表面质量
Special edge design, reduces vibration effectively, good surface quality

A40-S3

3刃平头高效加工立铣刀

3 Flute, Square Endmill for High Performance Machining



P	K	M	S	N	H
				●	

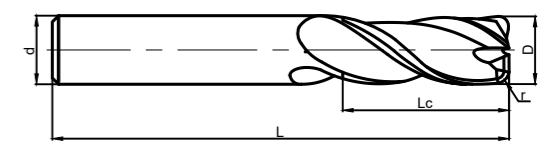
订货号 Ordering Code	刃径 (D) Dia.	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
A40-S3-1-3-4-50	1	3	4	50	●
A40-S3-1.5-5-4-50	1.5	5	4	50	●
A40-S3-2-6-4-50	2	6	4	50	●
A40-S3-2.5-8-4-50	2.5	8	4	50	●
A40-S3-3-12-3-75	3	12	3	75	●
A40-S3-3-12-3-100	3	12	3	100	●
A40-S3-3-9-4-50	3	9	4	50	●
A40-S3-3.5-11-4-50	3.5	11	4	50	●
A40-S3-4-12-4-50	4	12	4	50	●
A40-S3-4-16-4-75	4	16	4	75	●
A40-S3-4-20-4-100	4	20	4	100	●
A40-S3-5-20-5-75	5	20	5	75	●
A40-S3-5-30-5-100	5	30	5	100	●
A40-S3-5-15-6-50	5	15	6	50	●
A40-S3-6-18-6-50	6	18	6	50	●
A40-S3-6-25-6-75	6	25	6	75	●
A40-S3-6-30-6-100	6	30	6	100	●
A40-S3-6-45-6-150	6	45	6	150	●
A40-S3-8-24-8-60	8	24	8	60	●
A40-S3-8-30-8-75	8	30	8	75	●
A40-S3-8-35-8-100	8	35	8	100	●
A40-S3-8-50-8-150	8	50	8	150	●
A40-S3-10-30-10-75	10	30	10	75	●
A40-S3-10-40-10-100	10	40	10	100	●
A40-S3-10-55-10-150	10	55	10	150	●
A40-S3-12-35-12-75	12	35	12	75	●
A40-S3-12-45-12-100	12	45	12	100	●
A40-S3-12-55-12-150	12	55	12	150	●
A40-S3-14-45-14-100	14	45	14	100	●
A40-S3-14-70-14-150	14	70	14	150	●
A40-S3-16-45-16-100	16	45	16	100	●
A40-S3-16-80-16-150	16	80	16	150	●
A40-S3-18-80-18-150	18	80	18	150	●
A40-S3-20-45-20-100	20	45	20	100	●
A40-S3-20-80-20-150	20	80	20	150	●

● 标准库存Stock ○ 需预订Available Upon Order

A40-R3

3刃圆角头高效加工立铣刀

3 Flute, Corner Radius Endmill for High Performance Machining



P	K	M	S	N	H
				●	

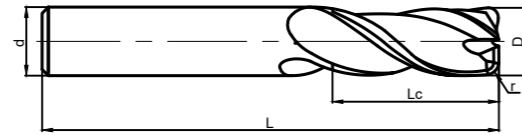
订货号 Ordering Code	刃径 (D) Dia.	圆角(r) Corner Radius	刃长 (Lc) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
A40-R3-1-3-4-50-0.2	1	0.2	3	4	50	●
A40-R3-1.5-5-4-50-0.2	1.5	0.2	5	4	50	●
A40-R3-2-6-4-50-0.2	2	0.2	6	4	50	●
A40-R3-2-6-4-50-0.5	2	0.5	6	4	50	●
A40-R3-2.5-8-4-50-0.2	2.5	0.2	8	4	50	●
A40-R3-2.5-8-4-50-0.5	2.5	0.5	8	4	50	●
A40-R3-3-9-4-50-0.2	3	0.2	9	4	50	●
A40-R3-3-9-4-50-0.5	3	0.5	9	4	50	●
A40-R3-3.5-11-4-50-0.2	3.5	0.2	11	4	50	●
A40-R3-3.5-11-4-50-0.5	3.5	0.5	11	4	50	●
A40-R3-4-12-4-50-0.2	4	0.2	12	4	50	●
A40-R3-4-12-4-50-0.5	4	0.5	12	4	50	●
A40-R3-4-12-4-50-1	4	1	12	4	50	●
A40-R3-5-15-6-50-0.2	5	0.2	15	6	50	●
A40-R3-5-15-6-50-0.5	5	0.5	15	6	50	●
A40-R3-5-15-6-50-1	5	1	15	6	50	●
A40-R3-6-18-6-50-0.2	6	0.2	18	6	50	●
A40-R3-6-18-6-50-0.5	6	0.5	18	6	50	●
A40-R3-6-18-6-50-1	6	1	18	6	50	●
A40-R3-8-24-8-60-0.2	8	0.2	24	8	60	●
A40-R3-8-24-8-60-0.5	8	0.5	24	8	60	●
A40-R3-8-24-8-60-1	8	1	24	8	60	●
A40-R3-10-30-10-75-0.2	10	0.2	30	10	75	●
A40-R3-10-30-10-75-0.5	10	0.5	30	10	75	●
A40-R3-10-30-10-75-1	10	1	30	10	75	●
A40-R3-10-30-10-75-1.5	10	1.5	30	10	75	●
A40-R3-10-30-10-75-2	10	2	30	10	75	●
A40-R3-10-30-10-75-3	10	3	30	10	75	●
A40-R3-12-35-12-75-0.2	12	0.2	35	12	75	●
A40-R3-12-35-12-75-0.5	12	0.5	35	12	75	●
A40-R3-12-35-12-75-1	12	1	35	12	75	●
A40-R3-12-35-12-75-1.5	12	1.5	35	12	75	●
A40-R3-12-35-12-75-2	12	2	35	12	75	●
A40-R3-12-35-12-75-3	12	3	35	12	75	●

● 标准库存Stock ○ 需预订Available Upon Order

A40-R3

3刃圆角头高效加工立铣刀

3 Flute, Corner Radius Endmill for High Performance Machining



P	K	M	S	N	H
				●	

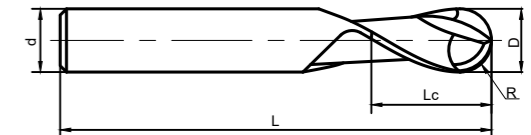
订货号 Ordering Code	刃径 (D) Dia.	圆角 (r) Corner Radius	刃长 (Lc) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
A40-BD-R3-10-40-10-100-0.5	10	0.5	40	10	100	●
A40-BD-R3-10-40-10-100-1	10	1	40	10	100	●
A40-BD-R3-10-40-10-100-2	10	2	40	10	100	●
A40-BD-R3-10-40-10-100-3	10	3	40	10	100	●
A40-BD-R3-12-45-12-100-0.5	12	0.5	45	12	100	●
A40-BD-R3-12-45-12-100-1	12	1	45	12	100	●
A40-BD-R3-12-45-12-100-2	12	2	45	12	100	●
A40-BD-R3-12-45-12-100-3	12	3	45	12	100	●
A40-R3-14-45-14-100-0.5	14	0.5	45	14	100	●
A40-R3-14-45-14-100-1	14	1	45	14	100	●
A40-R3-14-45-14-100-2	14	2	45	14	100	●
A40-R3-14-45-14-100-3	14	3	45	14	100	●
A40-R3-16-45-16-100-0.5	16	0.5	45	16	100	●
A40-R3-16-45-16-100-1	16	1	45	16	100	●
A40-R3-16-45-16-100-2	16	2	45	16	100	●
A40-R3-16-45-16-100-3	16	3	45	16	100	●
A40-R3-20-45-20-100-0.5	20	0.5	45	20	100	●
A40-R3-20-45-20-100-1	20	1	45	20	100	●
A40-R3-20-45-20-100-2	20	2	45	20	100	●
A40-R3-20-45-20-100-3	20	3	45	20	100	●

● 标准库存Stock ○ 需预订Available Upon Order

A40-B2

2刃球头高效加工立铣刀

2 Flute, Ball Nose Endmill for High Performance Machining



P	K	M	S	N	H
				●	

订货号 Ordering Code	刃径 (D) Dia.	圆角 (r) Corner Radius	刃长 (Lc) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
A40-B2-1-2-4-50	1	0.5	2	4	50	●
A40-B2-2-4-4-50	2	1	4	4	50	●
A40-B2-3-6-4-50	3	1.5	6	4	50	●
A40-B2-4-8-4-50	4	2	8	4	50	●
A40-B2-4-8-6-50	4	2	8	6	50	●
A40-B2-6-12-6-50	6	3	12	6	50	●
A40-B2-8-16-8-60	8	4	16	8	60	●
A40-B2-10-20-10-75	10	5	20	10	75	●
A40-B2-12-24-12-75	12	6	24	12	75	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀(单牙) Thread Milling Cutter(single tooth)



P	K	M	S	N	H
●	●	●	●	●	○

品名 Product Name	规格/螺距 Specifications/ Thread Distance	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
合金螺纹铣刀 carbide thread mill	M1.0*0.25	4	0.73	2.3	3	50	●
合金螺纹铣刀 carbide thread mill	M1.2*0.25	4	0.92	2.8	3	50	●
合金螺纹铣刀 carbide thread mill	M1.4*0.3	4	1.05	3.2	3	50	●
合金螺纹铣刀 carbide thread mill	M1.6*0.35	4	1.20	3.4	3	50	●
合金螺纹铣刀 carbide thread mill	M1.8*0.35	4	1.40	4.5	3	50	●
合金螺纹铣刀 carbide thread mill	M2.0*0.4	4	1.55	5.0	3	50	●
合金螺纹铣刀 carbide thread mill	M2.2*0.45	4	1.65	5.5	3	50	●
合金螺纹铣刀 carbide thread mill	M2.5*0.45	4	1.95	6.2	3	50	●
合金螺纹铣刀 carbide thread mill	M3.0*0.5	4	2.40	7.5	3	50	●
合金螺纹铣刀 carbide thread mill	M3.5*0.6	4	2.75	8.7	3	50	●
合金螺纹铣刀 carbide thread mill	M4.0*0.7	4	3.15	10.0	3	50	●
合金螺纹铣刀 carbide thread mill	M5.0*0.8	6	4.05	12.5	3	50	●
合金螺纹铣刀 carbide thread mill	M6.0*1.0	6	4.80	15.0	3	50	●
合金螺纹铣刀 carbide thread mill	M8.0*1.25	8	6.50	20.0	4	60	●
合金螺纹铣刀 carbide thread mill	M10*1.5	10	8.20	25.0	4	75	●
合金螺纹铣刀 carbide thread mill	M12*1.75	10	9.90	30.0	6	75	●
合金螺纹铣刀 carbide thread mill	M14*2.0	12	11.60	36.0	6	75	●
合金螺纹铣刀 carbide thread mill	M16*2.0	12	11.90	40.0	6	83	●
合金螺纹铣刀 carbide thread mill	M20*2.5	16	15.90	50.0	6	100	●
合金螺纹铣刀 carbide thread mill	M5.0*0.8	4	3.90	12.5	3	50	●
合金螺纹铣刀 carbide thread mill	M6.0*1.0	4	3.95	15.0	3	50	●
合金螺纹铣刀 carbide thread mill	M8.0*1.25	6	5.90	20.0	3	60	●
合金螺纹铣刀 carbide thread mill	M10*1.5	8	7.90	25.0	4	60	●

● 标准库存 Stock ○ 需预订 Available Upon Order

TC系列 通用加工螺纹铣刀

TC series thread milling cutter for general machining

◎ 适用于钢件、铸铁、不锈钢、高硬钢、铝合金、钛合金、高温合金等材料加工
Suitable for application of steel cast iron & stainless steel & aluminum & titanium & HRSA general machining

◎ 加工效率高, 加工成本低
High efficiency, lower processing cost

螺纹铣刀 (ISO三牙)

Thread Milling Cutter(ISO three teeth)



P	K	M	S	N	H
●	●	●	●	●	○

品名 Product Name	规格/螺距 Specifications/ Thread Distance	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
合金螺纹铣刀 carbide thread mill	M1.0*0.25	4	0.73	2.3	3	50	●
合金螺纹铣刀 carbide thread mill	M1.2*0.25	4	0.92	2.8	3	50	●
合金螺纹铣刀 carbide thread mill	M1.4*0.3	4	1.05	3.2	3	50	●
合金螺纹铣刀 carbide thread mill	M1.6*0.35	4	1.20	3.4	3	50	●
合金螺纹铣刀 carbide thread mill	M1.8*0.35	4	1.40	4.0	3	50	●
合金螺纹铣刀 carbide thread mill	M2.0*0.4	4	1.55	4.2	3	50	●
合金螺纹铣刀 carbide thread mill	M2.2*0.45	4	1.65	4.6	3	50	●
合金螺纹铣刀 carbide thread mill	M2.5*0.45	4	1.95	5.2	3	50	●
合金螺纹铣刀 carbide thread mill	M3.0*0.5	4	2.40	6.2	3	50	●
合金螺纹铣刀 carbide thread mill	M3.5*0.6	4	2.75	7.3	3	50	●
合金螺纹铣刀 carbide thread mill	M4.0*0.7	4	3.15	8.3	3	50	●
合金螺纹铣刀 carbide thread mill	M5.0*0.8	6	4.05	10.4	3	50	●
合金螺纹铣刀 carbide thread mill	M6.0*1.0	6	4.80	12.5	3	50	●
合金螺纹铣刀 carbide thread mill	M8.0*1.25	8	6.50	16.6	4	60	●
合金螺纹铣刀 carbide thread mill	M10*1.5	10	8.20	20.8	4	75	●
合金螺纹铣刀 carbide thread mill	M12*1.75	10	9.90	25.0	4	75	●
合金螺纹铣刀 carbide thread mill	M14*2.0	12	11.60	30.0	4	75	●
合金螺纹铣刀 carbide thread mill	M16*2.0	12	11.90	33.0	4	80	●
合金螺纹铣刀 carbide thread mill	M20*2.5	16	15.90	41.3	5	100	●
合金螺纹铣刀 carbide thread mill	M5.0*0.8	4	3.90	10.4	3	50	●
合金螺纹铣刀 carbide thread mill	M6.0*1.0	4	3.95	12.5	3	50	●
合金螺纹铣刀 carbide thread mill	M8.0*1.25	6	5.90	16.6	3	60	●
合金螺纹铣刀 carbide thread mill	M10*1.5	8	7.90	20.8	4	60	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀 (全牙)

Thread Milling Cutter(all teeth)



P	K	M	S	N	H
●	●	●	●	●	○

品名 Product Name	规格/螺距 Specifications/ Thread Distance	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
合金螺纹铣刀 carbide thread mill	M3.0*0.5	4	2.4	6	3	50	●
合金螺纹铣刀 carbide thread mill	M4.0*0.7	4	3.15	8	3	50	●
合金螺纹铣刀 carbide thread mill	M4.5*0.75	4	3.6	9	3	50	●
合金螺纹铣刀 carbide thread mill	M5.0*0.8	4	3.9	10	3	50	●
合金螺纹铣刀 carbide thread mill	M6.0*1.0	6	4.8	12	3	50	●
合金螺纹铣刀 carbide thread mill	M8.0*1.25	8	6.5	16.25	4	60	●
合金螺纹铣刀 carbide thread mill	M10*1.5	10	8.2	21	4	75	●
合金螺纹铣刀 carbide thread mill	M12*1.75	10	9.9	24.5	4	75	●
合金螺纹铣刀 carbide thread mill	M14*2.0	12	11.6	28	4	75	●
合金螺纹铣刀 carbide thread mill	M16*2.0	14	13.6	32	4	80	●
合金螺纹铣刀 carbide thread mill	M18*2.5	16	14.8	36	4	100	●
合金螺纹铣刀 carbide thread mill	M20*2.5	18	17.1	40	4	100	●
合金螺纹铣刀 carbide thread mill	M24*3.0	20	19.9	50	4	100	●
合金螺纹铣刀 carbide thread mill	M6.0*1.0	4	3.9	12	3	50	●
合金螺纹铣刀 carbide thread mill	M8.0*1.25	6	5.8	16.25	3	60	●
合金螺纹铣刀 carbide thread mill	M10*1.5	8	7.7	21	3	60	●
合金螺纹铣刀 carbide thread mill	M12*1.75	10	8.7	24.5	4	75	●
合金螺纹铣刀 carbide thread mill	M14*2.0	10	9.9	28	4	75	●
合金螺纹铣刀 carbide thread mill	M16*2.0	12	11.9	32	4	83	●
合金螺纹铣刀 carbide thread mill	M18*2.5	12	11.9	36	4	83	●
合金螺纹铣刀 carbide thread mill	M20*2.5	16	15.9	40	4	92	●
合金螺纹铣刀 carbide thread mill	M24*3.0	16	15.9	50	4	92	●
合金螺纹铣刀 carbide thread mill	M4.0*0.5	4	3.0	8	3	50	●
合金螺纹铣刀 carbide thread mill	M5.0*0.5	4	3.9	10	3	50	●
合金螺纹铣刀 carbide thread mill	M6.0*0.75	4	3.9	12	3	50	●
合金螺纹铣刀 carbide thread mill	M8.0*1.0	6	5.9	16	3	60	●
合金螺纹铣刀 carbide thread mill	M10*1.0	8	7.9	20	3	60	●
合金螺纹铣刀 carbide thread mill	M12*1.0	10	9.9	24	4	75	●
合金螺纹铣刀 carbide thread mill	M10*1.25	8	7.7	20	3	60	●
合金螺纹铣刀 carbide thread mill	M12*1.5	10	9.4	24	4	75	●
合金螺纹铣刀 carbide thread mill	M14*1.5	12	11.2	28.5	4	83	●
合金螺纹铣刀 carbide thread mill	M16*1.5	12	11.9	33	4	83	●
合金螺纹铣刀 carbide thread mill	M20*2.0	12	11.9	32	4	83	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀(美制UN)-外螺纹

Thread Milling Cutter(the US UN)-external thread



P	K	M	S	N	H
●	●	●	●	●	○

UNC	UNF	UNEF	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
No.8-32			4	3.9	8.7	3	50	●
	No.12-28		4	3.9	11.8	3	50	●
No.12-24			4	3.9	11.6	3	50	●
1/4"*20			4	3.9	12.7	3	50	●
5/16"*18			6	5.9	16.9	3	50	●
3/8"*16			8	7.9	19.1	3	60	●
9/16"*12			12	11.9	29.6	4	83	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀(美制UN)-内螺纹

Thread Milling Cutter(the US UN)-internal thread



P	K	M	S	N	H
●	●	●	●	●	○

UNC	UNF	UNEF	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
	No.8-36		4	3.3	8.5	3	50	●
	No.10-32	No.12-3/8"*32	4	3.3	11.1	3	50	●
	No.12-28,1/4"*28	7/16",1/2"*28	4	3.8	11.8	3	50	●
	1/4"*28	7/16",1/2"*28	6	4.6	12.7	3	50	●
		7/16",1/2"*28	10	9.2	22.7	4	75	●
No.10-24	5/16",3/8"*24	9/16",11/16"*24	4	2.9	10.6	3	50	●
No.10-24	5/16",3/8"*24	9/16",11/16"*24	4	3.5	11.6	3	50	●
	5/16",3/8"*24	9/16",11/16"*24	6	5.7	15.9	3	50	●
	3/8"*24	9/16",11/16"*24	8	7.4	19.1	3	60	●
		9/16",11/16"*24	12	11.9	28.6	4	83	●
1/4"*20	7/16",1/2"*20	3/4"-1"*20	4	3.9	12.7	3	50	●
	7/16",1/2"*20	3/4"-1"*20	10	8.5	22.9	4	75	●
	1/2"*20	3/4"-1"*20	10	9.9	25.4	4	75	●
		3/4"-1"*20	16	15.9	38.1	5	92	●
5/16"*18	9/16",5/8"*18	11/16"-1,11/16"*18	6	5.2	16.9	3	60	●
	9/16",5/8"*18	11/16"-1,11/16"*18	12	11.3	29.6	4	83	●
	5/8"*18	11/16"-1,11/16"*18	12	11.9	32.5	4	83	●
3/8"*16	3/4"*16		8	6.7	19.1	3	60	●
	3/4"*16		16	15.9	38.1	4	92	●
7/16"*14	7/8"*14		8	7.6	23.6	4	60	●
	7/8"*14		20	18.7	44.4	4	100	●
1/2"*13			10	8.9	25.4	4	75	●
9/16"*12	1"-1 1/2"*12		12	10.3	29.6	4	83	●
	1"-1 1/2"*12		20	19.9	50.8	5	100	●
5/8"*11			12	11	32.3	4	83	●
3/4"*10			16	13.5	38.1	5	92	●
7/8"*9			16	15.2	45.2	4	92	●
1"*8			20	17	50.8	4	100	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀(G)

Thread Milling Cutter(G)



P	K	M	S	N	H
●	●	●	●	●	○

UNC	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
1/16"*28,1/8"*28	6	5.8	16.3	3	60	●
1/8"*28	8	7.7	20	3	60	●
1/4"*19,3/8"*19	10	9.9	26.7	4	75	●
3/8"*19	16	13.4	33.4	4	92	●
1/2",3/4"*14	16	15.7	43.5	5	92	●
1",1 1/2",2",2 1/2"*11	20	19.9	41.6	5	100	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀(RC)

Thread Milling Cutter(RC)



P	K	M	S	N	H
●	●	●	●	●	○

UNC	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
1/16"*28	6	5.8	16.3	3	60	●
1/8"*28	8	7.7	20	3	60	●
1/4"*19	10	9.9	26.7	4	75	●
3/8"*19	16	13.4	33.4	4	92	●
1/2",3/4"*14	16	15.7	43.5	5	92	●
1",1 1/2",2",2 1/2"*11	20	19.9	41.6	5	100	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀(NPT) Thread Milling Cutter(NPT)



P	K	M	S	N	H
●	●	●	●	●	○

UNC	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
1/16"×27	6	5.3	9.4	3	60	●
1/8"×27	8	7.5	9.4	4	60	●
1/4"×18	10	9.4	14.1	4	75	●
3/8"×18	12	11.9	14.1	4	83	●
1/2",3/4"×14	16	15.5	25.4	5	92	●
1"-2"×11.5	20	19.9	33.1	5	100	●
2 1/2",3"×8	20	19.9	38.1	4	100	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀(NPTF) Thread Milling Cutter(NPTF)



P	K	M	S	N	H
●	●	●	●	●	○

UNC	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
1/16"×27	6	5.3	9.4	3	60	●
1/8"×27	8	7.5	9.4	4	60	●
1/4"×18	10	9.4	14.1	4	75	●
3/8"×18	12	11.9	14.1	4	83	●
1/2",3/4"×14	16	15.5	25.4	5	92	●
1"-2"×11.5	20	19.9	33.1	5	100	●
2 1/2",3"×8	20	19.9	38.1	4	100	●

● 标准库存Stock ○ 需预订Available Upon Order

螺纹铣刀(UN三牙) Thread Milling Cutter(UN three teeth)

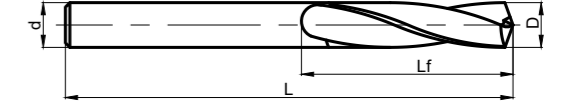


P	K	M	S	N	H
●	●	●	●	●	○

UNC	UNF	柄径 Shank Diameter	刃径 Diameter	有效长度 Effective Length	刃数 Number of Flutes	总长 Overall Length	库存 Stock
	No.1-72	6	1.45	3.9	3	60	●
No.1-64	No.2-64	6	1.4	4.2	3	60	●
No.2-56	No.3-56	6	1.65	5.0	3	60	●
No.3-48	No.4-48	6	1.9	6.0	3	60	●
No.4,No.5-40	No.6-40	6	2.1	6.0	3	60	●
No.5-40	No.6-40	6	2.45	7.2	3	60	●
	No.8-36	6	3.3	8.7	3	60	●
No.6-40,No.8-32	No.10-32	6	2.55	7.4	3	60	●
No.8-32	No.10-32	6	3.2	10.0	3	60	●
	No.10-32	6	3.8	10.3	3	60	●
	1/4"×28	6	5.25	13.2	3	60	●
No.10-24	5/16"×24	6	3.58	10.2	3	60	●
	5/16"×24	8	6.68	16.5	3	60	●
1/4"×20	7/16"×20	6	4.88	13.4	3	60	●
	7/16"×20	10	9.55	23.0	3	75	●
5/16"×18		8	6.15	16.9	3	60	●
3/8"×16		8	6.7	19.1	3	60	●
7/16"×14		10	9.0	23.3	3	75	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-3N 3D外冷麻花钻 3D Twist Drill, External Cooling



P	K	M	S	N	H
●	●	○	○		

DR系列 钢件通用加工钻头

DR series drill for steel general machining

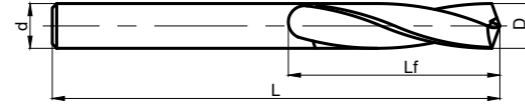
- ◎ 适用于钢件、铸铁的钻削加工,可同时用于软钢、合金钢等材料加工
Suitable for drilling steel and cast iron,also suitable for mild steel and alloy steel
- ◎ 全新槽型设计,加强断屑性能,同时提升刀具刚性
Brand-new chip groove design,enhanced chip breaking performance while improving tool rigidity

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-3N-0300	3	19	6	62	●
DR-3N-0310	3.1	19	6	62	●
DR-3N-0320	3.2	19	6	62	●
DR-3N-0330	3.3	19	6	62	●
DR-3N-0340	3.4	19	6	62	●
DR-3N-0350	3.5	19	6	62	●
DR-3N-0360	3.6	19	6	62	●
DR-3N-0370	3.7	19	6	62	●
DR-3N-0380	3.8	23	6	66	●
DR-3N-0390	3.9	23	6	66	●
DR-3N-0400	4	23	6	66	●
DR-3N-0410	4.1	23	6	66	●
DR-3N-0420	4.2	23	6	66	●
DR-3N-0430	4.3	23	6	66	●
DR-3N-0440	4.4	23	6	66	●
DR-3N-0450	4.5	23	6	66	●
DR-3N-0460	4.6	23	6	66	●
DR-3N-0470	4.7	23	6	66	●
DR-3N-0480	4.8	27	6	66	●
DR-3N-0490	4.9	27	6	66	●
DR-3N-0500	5	27	6	66	●
DR-3N-0510	5.1	27	6	66	●
DR-3N-0520	5.2	27	6	66	●
DR-3N-0530	5.3	27	6	66	●
DR-3N-0540	5.4	27	6	66	●
DR-3N-0550	5.5	27	6	66	●
DR-3N-0560	5.6	27	6	66	●
DR-3N-0570	5.7	27	6	66	●
DR-3N-0580	5.8	27	6	66	●
DR-3N-0590	5.9	27	6	66	●
DR-3N-0600	6	27	6	66	●
DR-3N-0610	6.1	33	8	79	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-3N

3D外冷麻花钻
3D Twist Drill, External Cooling



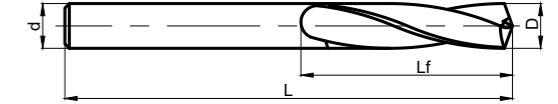
P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
DR-3N-0620	6.2	33	8	79	●
DR-3N-0630	6.3	33	8	79	●
DR-3N-0640	6.4	33	8	79	●
DR-3N-0650	6.5	33	8	79	●
DR-3N-0660	6.6	33	8	79	●
DR-3N-0670	6.7	33	8	79	●
DR-3N-0680	6.8	33	8	79	●
DR-3N-0690	6.9	33	8	79	●
DR-3N-0700	7	33	8	79	●
DR-3N-0710	7.1	39	8	79	●
DR-3N-0720	7.2	39	8	79	●
DR-3N-0730	7.3	39	8	79	●
DR-3N-0740	7.4	39	8	79	●
DR-3N-0750	7.5	39	8	79	●
DR-3N-0760	7.6	39	8	79	●
DR-3N-0770	7.7	39	8	79	●
DR-3N-0780	7.8	39	8	79	●
DR-3N-0790	7.9	39	8	79	●
DR-3N-0800	8	39	8	79	●
DR-3N-0810	8.1	45	10	89	●
DR-3N-0820	8.2	45	10	89	●
DR-3N-0830	8.3	45	10	89	●
DR-3N-0840	8.4	45	10	89	●
DR-3N-0850	8.5	45	10	89	●
DR-3N-0860	8.6	45	10	89	●
DR-3N-0870	8.7	45	10	89	●
DR-3N-0880	8.8	45	10	89	●
DR-3N-0890	8.9	45	10	89	●
DR-3N-0900	9	45	10	89	●
DR-3N-0910	9.1	45	10	89	●
DR-3N-0920	9.2	45	10	89	●
DR-3N-0930	9.3	45	10	89	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-3N

3D外冷麻花钻
3D Twist Drill, External Cooling

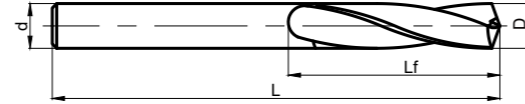


P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
DR-3N-0940	9.4	45	10	89	●
DR-3N-0950	9.5	45	10	89	●
DR-3N-0960	9.6	45	10	89	●
DR-3N-0970	9.7	45	10	89	●
DR-3N-0980	9.8	45	10	89	●
DR-3N-0990	9.9	45	10	89	●
DR-3N-1000	10	45	10	89	●
DR-3N-1010	10.1	53	12	102	●
DR-3N-1020	10.2	53	12	102	●
DR-3N-1030	10.3	53	12	102	●
DR-3N-1040	10.4	53	12	102	●
DR-3N-1050	10.5	53	12	102	●
DR-3N-1060	10.6	53	12	102	●
DR-3N-1070	10.7	53	12	102	●
DR-3N-1080	10.8	53	12	102	●
DR-3N-1090	10.9	53	12	102	●
DR-3N-1100	11	53	12	102	●
DR-3N-1110	11.1	53	12	102	●
DR-3N-1120	11.2	53	12	102	●
DR-3N-1130	11.3	53	12	102	●
DR-3N-1140	11.4	53	12	102	●
DR-3N-1150	11.5	53	12	102	●
DR-3N-1160	11.6	53	12	102	●
DR-3N-1170	11.7	53	12	102	●
DR-3N-1180	11.8	53	12	102	●
DR-3N-1190	11.9	53	12	102	●
DR-3N-1200	12	53	12	102	●
DR-3N-1210	12.1	58	14	107	●
DR-3N-1220	12.2	58	14	107	●
DR-3N-1230	12.3	58	14	107	●
DR-3N-1240	12.4	58	14	107	●
DR-3N-1250	12.5	58	14	107	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-3N 3D外冷麻花钻 3D Twist Drill, External Cooling

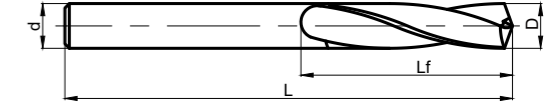


P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-3N-1260	12.6	58	14	107	●
DR-3N-1270	12.7	58	14	107	●
DR-3N-1280	12.8	58	14	107	●
DR-3N-1290	12.9	58	14	107	●
DR-3N-1300	13	58	14	107	●
DR-3N-1310	13.1	58	14	107	●
DR-3N-1320	13.2	58	14	107	●
DR-3N-1330	13.3	58	14	107	●
DR-3N-1340	13.4	58	14	107	●
DR-3N-1350	13.5	58	14	107	●
DR-3N-1370	13.7	58	14	107	●
DR-3N-1380	13.8	58	14	107	●
DR-3N-1400	14	58	14	107	●
DR-3N-1410	14.1	62	16	115	●
DR-3N-1420	14.2	62	16	115	●
DR-3N-1430	14.3	62	16	115	●
DR-3N-1440	14.4	62	16	115	●
DR-3N-1450	14.5	62	16	115	●
DR-3N-1460	14.6	62	16	115	●
DR-3N-1470	14.7	62	16	115	●
DR-3N-1480	14.8	62	16	115	●
DR-3N-1490	14.9	62	16	115	●
DR-3N-1500	15	62	16	115	●
DR-3N-1510	15.1	62	16	115	●
DR-3N-1520	15.2	62	16	115	●
DR-3N-1530	15.3	62	16	115	●
DR-3N-1540	15.4	62	16	115	●
DR-3N-1550	15.5	62	16	115	●
DR-3N-1570	15.7	62	16	115	●
DR-3N-1580	15.8	62	16	115	●
DR-3N-1590	15.9	62	16	115	●
DR-3N-1600	16	62	16	115	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-3N 3D外冷麻花钻 3D Twist Drill, External Cooling



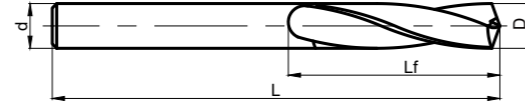
P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-3N-1610	16.1	70	18	123	○
DR-3N-1620	16.2	70	18	123	○
DR-3N-1630	16.3	70	18	123	○
DR-3N-1640	16.4	70	18	123	○
DR-3N-1650	16.5	70	18	123	○
DR-3N-1660	16.6	70	18	123	○
DR-3N-1670	16.7	70	18	123	○
DR-3N-1680	16.8	70	18	123	○
DR-3N-1690	16.9	70	18	123	○
DR-3N-1700	17	70	18	123	○
DR-3N-1720	17.2	70	18	123	○
DR-3N-1730	17.3	70	18	123	○
DR-3N-1740	17.4	70	18	123	○
DR-3N-1750	17.5	70	18	123	○
DR-3N-1760	17.6	70	18	123	○
DR-3N-1770	17.7	70	18	123	○
DR-3N-1780	17.8	70	18	123	○
DR-3N-1800	18	70	18	123	○
DR-3N-1820	18.2	76	20	131	○
DR-3N-1840	18.4	76	20	131	○
DR-3N-1850	18.5	76	20	131	○
DR-3N-1860	18.6	76	20	131	○
DR-3N-1880	18.8	76	20	131	○
DR-3N-1900	19	76	20	131	○
DR-3N-1910	19.1	76	20	131	○
DR-3N-1950	19.5	76	20	131	○
DR-3N-1980	19.8	76	20	131	○
DR-3N-1990	19.9	76	20	131	○
DR-3N-2000	20	76	20	131	○

● 标准库存Stock ○ 需预订Available Upon Order

DR-5N

5D外冷麻花钻
5D Twist Drill, External Cooling



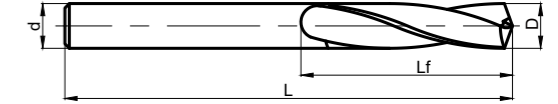
P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-5N-0300	3	26	6	66	●
DR-5N-0310	3.1	26	6	66	●
DR-5N-0320	3.2	26	6	66	●
DR-5N-0330	3.3	26	6	66	●
DR-5N-0340	3.4	26	6	66	●
DR-5N-0350	3.5	26	6	66	●
DR-5N-0360	3.6	26	6	66	●
DR-5N-0370	3.7	26	6	66	●
DR-5N-0380	3.8	35	6	74	●
DR-5N-0390	3.9	35	6	74	●
DR-5N-0400	4	35	6	74	●
DR-5N-0410	4.1	35	6	74	●
DR-5N-0420	4.2	35	6	74	●
DR-5N-0430	4.3	35	6	74	●
DR-5N-0440	4.4	35	6	74	●
DR-5N-0450	4.5	35	6	74	●
DR-5N-0460	4.6	35	6	74	●
DR-5N-0470	4.7	35	6	74	●
DR-5N-0480	4.8	43	6	82	●
DR-5N-0490	4.9	43	6	82	●
DR-5N-0500	5	43	6	82	●
DR-5N-0510	5.1	43	6	82	●
DR-5N-0520	5.2	43	6	82	●
DR-5N-0530	5.3	43	6	82	●
DR-5N-0540	5.4	43	6	82	●
DR-5N-0550	5.5	43	6	82	●
DR-5N-0560	5.6	43	6	82	●
DR-5N-0570	5.7	43	6	82	●
DR-5N-0580	5.8	43	6	82	●
DR-5N-0590	5.9	43	6	82	●
DR-5N-0600	6	43	6	82	●
DR-5N-0610	6.1	52	8	91	●
DR-5N-0620	6.2	52	8	91	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-5N

5D外冷麻花钻
5D Twist Drill, External Cooling



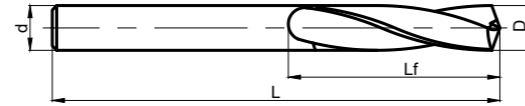
P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-5N-0630	6.3	52	8	91	●
DR-5N-0640	6.4	52	8	91	●
DR-5N-0650	6.5	52	8	91	●
DR-5N-0660	6.6	52	8	91	●
DR-5N-0670	6.7	52	8	91	●
DR-5N-0680	6.8	52	8	91	●
DR-5N-0690	6.9	52	8	91	●
DR-5N-0700	7	52	8	91	●
DR-5N-0710	7.1	52	8	91	●
DR-5N-0720	7.2	52	8	91	●
DR-5N-0730	7.3	52	8	91	●
DR-5N-0740	7.4	52	8	91	●
DR-5N-0750	7.5	52	8	91	●
DR-5N-0760	7.6	52	8	91	●
DR-5N-0770	7.7	52	8	91	●
DR-5N-0780	7.8	52	8	91	●
DR-5N-0790	7.9	52	8	91	●
DR-5N-0800	8	52	8	91	●
DR-5N-0810	8.1	59	10	103	●
DR-5N-0820	8.2	59	10	103	●
DR-5N-0830	8.3	59	10	103	●
DR-5N-0840	8.4	59	10	103	●
DR-5N-0850	8.5	59	10	103	●
DR-5N-0860	8.6	59	10	103	●
DR-5N-0870	8.7	59	10	103	●
DR-5N-0880	8.8	59	10	103	●
DR-5N-0890	8.9	59	10	103	●
DR-5N-0900	9	59	10	103	●
DR-5N-0910	9.1	59	10	103	●
DR-5N-0920	9.2	59	10	103	●
DR-5N-0930	9.3	59	10	103	●
DR-5N-0940	9.4	59	10	103	●
DR-5N-0950	9.5	59	10	103	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-5N

5D外冷麻花钻
5D Twist Drill, External Cooling



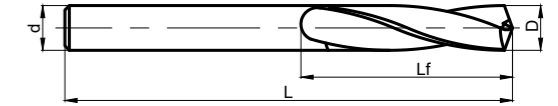
P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-5N-0960	9.6	59	10	103	●
DR-5N-0970	9.7	59	10	103	●
DR-5N-0980	9.8	59	10	103	●
DR-5N-0990	9.9	59	10	103	●
DR-5N-1000	10	59	10	103	●
DR-5N-1010	10.1	69	12	118	●
DR-5N-1020	10.2	69	12	118	●
DR-5N-1030	10.3	69	12	118	●
DR-5N-1040	10.4	69	12	118	●
DR-5N-1050	10.5	69	12	118	●
DR-5N-1060	10.6	69	12	118	●
DR-5N-1070	10.7	69	12	118	●
DR-5N-1080	10.8	69	12	118	●
DR-5N-1090	10.9	69	12	118	●
DR-5N-1100	11	69	12	118	●
DR-5N-1110	11.1	69	12	118	●
DR-5N-1120	11.2	69	12	118	●
DR-5N-1130	11.3	69	12	118	●
DR-5N-1140	11.4	69	12	118	●
DR-5N-1150	11.5	69	12	118	●
DR-5N-1160	11.6	69	12	118	●
DR-5N-1170	11.7	69	12	118	●
DR-5N-1180	11.8	69	12	118	●
DR-5N-1190	11.9	69	12	118	●
DR-5N-1200	12	69	12	118	●
DR-5N-1210	12.1	75	14	124	●
DR-5N-1220	12.2	75	14	124	●
DR-5N-1230	12.3	75	14	124	●
DR-5N-1240	12.4	75	14	124	●
DR-5N-1250	12.5	75	14	124	●
DR-5N-1260	12.6	75	14	124	●
DR-5N-1270	12.7	75	14	124	●
DR-5N-1280	12.8	75	14	124	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-5N

5D外冷麻花钻
5D Twist Drill, External Cooling

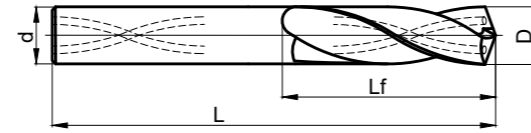


P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-5N-1290	12.9	75	14	124	●
DR-5N-1300	13	75	14	124	●
DR-5N-1320	13.2	75	14	124	●
DR-5N-1350	13.5	75	14	124	●
DR-5N-1370	13.7	75	14	124	●
DR-5N-1380	13.8	75	14	124	●
DR-5N-1390	13.9	75	14	124	●
DR-5N-1400	14	75	14	124	●
DR-5N-1410	14.1	80	16	133	●
DR-5N-1420	14.2	80	16	133	●
DR-5N-1430	14.3	80	16	133	●
DR-5N-1450	14.5	80	16	133	●
DR-5N-1460	14.6	80	16	133	●
DR-5N-1480	14.8	80	16	133	●
DR-5N-1500	15	80	16	133	●
DR-5N-1510	15.1	80	16	133	●
DR-5N-1550	15.5	80	16	133	●
DR-5N-1570	15.7	80	16	133	●
DR-5N-1580	15.8	80	16	133	●
DR-5N-1600	16	80	16	133	●
DR-5N-1650	16.5	90	18	143	○
DR-5N-1660	16.6	90	18	143	○
DR-5N-1680	16.8	90	18	143	○
DR-5N-1700	17	90	18	143	○
DR-5N-1730	17.3	90	18	143	○
DR-5N-1750	17.5	90	18	143	○
DR-5N-1780	17.8	90	18	143	○
DR-5N-1800	18	90	18	143	○
DR-5N-1850	18.5	98	20	153	○
DR-5N-1860	18.6	98	20	153	○
DR-5N-1900	19	98	20	153	○
DR-5N-1950	19.5	98	20	153	○
DR-5N-2000	20	98	20	153	○

● 标准库存Stock ○ 需预订Available Upon Order

DR-3C 3D内冷麻花钻 3D Twist Drill, Internal Cooling

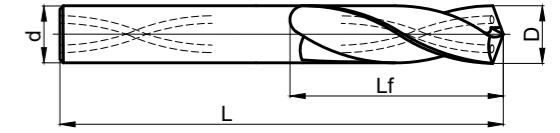


P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-3C-0300	3	19	6	62	●
DR-3C-0310	3.1	19	6	62	●
DR-3C-0320	3.2	19	6	62	●
DR-3C-0330	3.3	19	6	62	●
DR-3C-0340	3.4	19	6	62	●
DR-3C-0350	3.5	19	6	62	●
DR-3C-0360	3.6	19	6	62	●
DR-3C-0370	3.7	19	6	62	●
DR-3C-0380	3.8	23	6	66	●
DR-3C-0390	3.9	23	6	66	●
DR-3C-0400	4	23	6	66	●
DR-3C-0410	4.1	23	6	66	●
DR-3C-0420	4.2	23	6	66	●
DR-3C-0430	4.3	23	6	66	●
DR-3C-0440	4.4	23	6	66	●
DR-3C-0450	4.5	23	6	66	●
DR-3C-0460	4.6	23	6	66	●
DR-3C-0470	4.7	23	6	66	●
DR-3C-0480	4.8	27	6	66	●
DR-3C-0490	4.9	27	6	66	●
DR-3C-0500	5	27	6	66	●
DR-3C-0510	5.1	27	6	66	●
DR-3C-0520	5.2	27	6	66	●
DR-3C-0530	5.3	27	6	66	●
DR-3C-0540	5.4	27	6	66	●
DR-3C-0550	5.5	27	6	66	●
DR-3C-0560	5.6	27	6	66	●
DR-3C-0570	5.7	27	6	66	●
DR-3C-0580	5.8	27	6	66	●
DR-3C-0590	5.9	27	6	66	●
DR-3C-0600	6	27	6	66	●
DR-3C-0610	6.1	33	8	79	●
DR-3C-0620	6.2	33	8	79	●
DR-3C-0630	6.3	33	8	79	●
DR-3C-0640	6.4	33	8	79	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-3C 3D内冷麻花钻 3D Twist Drill, Internal Cooling



P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-3C-0650	6.5	33	8	79	●
DR-3C-0660	6.6	33	8	79	●
DR-3C-0670	6.7	33	8	79	●
DR-3C-0680	6.8	33	8	79	●
DR-3C-0690	6.9	33	8	79	●
DR-3C-0700	7	33	8	79	●
DR-3C-0710	7.1	39	8	79	●
DR-3C-0720	7.2	39	8	79	●
DR-3C-0730	7.3	39	8	79	●
DR-3C-0740	7.4	39	8	79	●
DR-3C-0750	7.5	39	8	79	●
DR-3C-0760	7.6	39	8	79	●
DR-3C-0770	7.7	39	8	79	●
DR-3C-0780	7.8	39	8	79	●
DR-3C-0790	7.9	39	8	79	●
DR-3C-0800	8	39	8	79	●
DR-3C-0810	8.1	45	10	89	●
DR-3C-0820	8.2	45	10	89	●
DR-3C-0830	8.3	45	10	89	●
DR-3C-0840	8.4	45	10	89	●
DR-3C-0850	8.5	45	10	89	●
DR-3C-0860	8.6	45	10	89	●
DR-3C-0870	8.7	45	10	89	●
DR-3C-0880	8.8	45	10	89	●
DR-3C-0890	8.9	45	10	89	●
DR-3C-0900	9	45	10	89	●
DR-3C-0910	9.1	45	10	89	●
DR-3C-0920	9.2	45	10	89	●
DR-3C-0930	9.3	45	10	89	●
DR-3C-0940	9.4	45	10	89	●
DR-3C-0950	9.5	45	10	89	●
DR-3C-0960	9.6	45	10	89	●
DR-3C-0970	9.7	45	10	89	●
DR-3C-0980	9.8	45	10	89	●
DR-3C-0990	9.9	45	10	89	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-3C

3D内冷麻花钻
3D Twist Drill, Internal Cooling



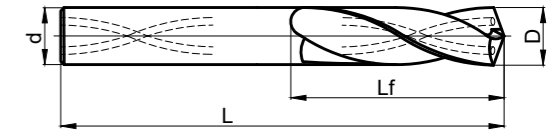
P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-3C-1000	10	45	10	89	●
DR-3C-1010	10.1	53	12	102	●
DR-3C-1020	10.2	53	12	102	●
DR-3C-1030	10.3	53	12	102	●
DR-3C-1040	10.4	53	12	102	●
DR-3C-1050	10.5	53	12	102	●
DR-3C-1060	10.6	53	12	102	●
DR-3C-1070	10.7	53	12	102	●
DR-3C-1080	10.8	53	12	102	●
DR-3C-1090	10.9	53	12	102	●
DR-3C-1100	11	53	12	102	●
DR-3C-1110	11.1	53	12	102	●
DR-3C-1120	11.2	53	12	102	●
DR-3C-1130	11.3	53	12	102	●
DR-3C-1140	11.4	53	12	102	●
DR-3C-1150	11.5	53	12	102	●
DR-3C-1160	11.6	53	12	102	●
DR-3C-1170	11.7	53	12	102	●
DR-3C-1180	11.8	53	12	102	●
DR-3C-1190	11.9	53	12	102	●
DR-3C-1200	12	53	12	102	●
DR-3C-1210	12.1	58	14	107	●
DR-3C-1220	12.2	58	14	107	●
DR-3C-1230	12.3	58	14	107	●
DR-3C-1250	12.5	58	14	107	●
DR-3C-1260	12.6	58	14	107	●
DR-3C-1270	12.7	58	14	107	●
DR-3C-1280	12.8	58	14	107	●
DR-3C-1300	13	58	14	107	●
DR-3C-1310	13.1	58	14	107	●
DR-3C-1340	13.4	58	14	107	●
DR-3C-1350	13.5	58	14	107	●
DR-3C-1360	13.6	58	14	107	●
DR-3C-1370	13.7	58	14	107	●
DR-3C-1380	13.8	58	14	107	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-3C

3D内冷麻花钻
3D Twist Drill, Internal Cooling



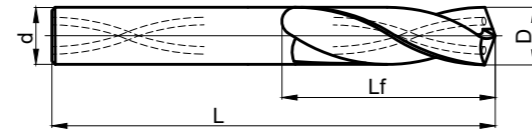
P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-3C-1400	14	58	14	107	●
DR-3C-1420	14.2	62	16	115	●
DR-3C-1430	14.3	62	16	115	●
DR-3C-1450	14.5	62	16	115	●
DR-3C-1460	14.6	62	16	115	●
DR-3C-1470	14.7	62	16	115	●
DR-3C-1480	14.8	62	16	115	●
DR-3C-1500	15	62	16	115	●
DR-3C-1520	15.2	62	16	115	●
DR-3C-1530	15.3	62	16	115	●
DR-3C-1550	15.5	62	16	115	●
DR-3C-1570	15.7	62	16	115	●
DR-3C-1580	15.8	62	16	115	●
DR-3C-1600	16	62	16	115	●
DR-3C-1650	16.5	70	18	123	○
DR-3C-1680	16.8	70	18	123	○
DR-3C-1690	16.9	70	18	123	○
DR-3C-1700	17	70	18	123	○
DR-3C-1750	17.5	70	18	123	○
DR-3C-1770	17.7	70	18	123	○
DR-3C-1780	17.8	70	18	123	○
DR-3C-1800	18	70	18	123	○
DR-3C-1830	18.3	76	20	131	○
DR-3C-1850	18.5	76	20	131	○
DR-3C-1880	18.8	76	20	131	○
DR-3C-1900	19	76	20	131	○
DR-3C-1930	19.3	76	20	131	○
DR-3C-1950	19.5	76	20	131	○
DR-3C-1960	19.6	76	20	131	○
DR-3C-1970	19.7	76	20	131	○
DR-3C-1980	19.8	76	20	131	○
DR-3C-2000	20	76	20	131	○

● 标准库存Stock ○ 需预订Available Upon Order

DR-5C

5D内冷麻花钻
5D Twist Drill, Internal Cooling



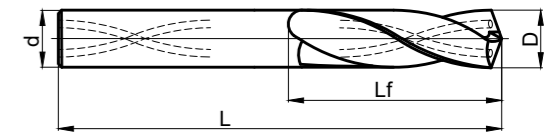
P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
DR-5C-0300	3	26	6	66	●
DR-5C-0310	3.1	26	6	66	●
DR-5C-0320	3.2	26	6	66	●
DR-5C-0330	3.3	26	6	66	●
DR-5C-0340	3.4	26	6	66	●
DR-5C-0350	3.5	26	6	66	●
DR-5C-0360	3.6	26	6	66	●
DR-5C-0370	3.7	26	6	66	●
DR-5C-0380	3.8	35	6	74	●
DR-5C-0390	3.9	35	6	74	●
DR-5C-0400	4	35	6	74	●
DR-5C-0410	4.1	35	6	74	●
DR-5C-0420	4.2	35	6	74	●
DR-5C-0430	4.3	35	6	74	●
DR-5C-0440	4.4	35	6	74	●
DR-5C-0450	4.5	35	6	74	●
DR-5C-0460	4.6	35	6	74	●
DR-5C-0470	4.7	35	6	74	●
DR-5C-0480	4.8	43	6	82	●
DR-5C-0490	4.9	43	6	82	●
DR-5C-0500	5	43	6	82	●
DR-5C-0510	5.1	43	6	82	●
DR-5C-0520	5.2	43	6	82	●
DR-5C-0530	5.3	43	6	82	●
DR-5C-0540	5.4	43	6	82	●
DR-5C-0550	5.5	43	6	82	●
DR-5C-0560	5.6	43	6	82	●
DR-5C-0570	5.7	43	6	82	●
DR-5C-0580	5.8	43	6	82	●
DR-5C-0590	5.9	43	6	82	●
DR-5C-0600	6	43	6	82	●
DR-5C-0610	6.1	52	8	91	●
DR-5C-0620	6.2	52	8	91	●
DR-5C-0630	6.3	52	8	91	●
DR-5C-0640	6.4	52	8	91	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-5C

5D内冷麻花钻
5D Twist Drill, Internal Cooling



P	K	M	S	N	H
●	●	○	○		

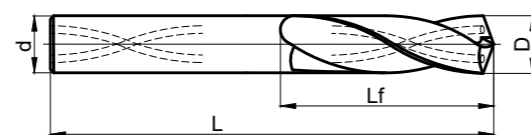
订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径 (d) Shank Dia.	全长 (L) Overall Length	库存 Stock
DR-5C-0650	6.5	52	8	91	●
DR-5C-0660	6.6	52	8	91	●
DR-5C-0670	6.7	52	8	91	●
DR-5C-0680	6.8	52	8	91	●
DR-5C-0690	6.9	52	8	91	●
DR-5C-0700	7	52	8	91	●
DR-5C-0710	7.1	52	8	91	●
DR-5C-0720	7.2	52	8	91	●
DR-5C-0730	7.3	52	8	91	●
DR-5C-0740	7.4	52	8	91	●
DR-5C-0750	7.5	52	8	91	●
DR-5C-0760	7.6	52	8	91	●
DR-5C-0770	7.7	52	8	91	●
DR-5C-0780	7.8	52	8	91	●
DR-5C-0790	7.9	52	8	91	●
DR-5C-0800	8	52	8	91	●
DR-5C-0810	8.1	59	10	103	●
DR-5C-0820	8.2	59	10	103	●
DR-5C-0830	8.3	59	10	103	●
DR-5C-0840	8.4	59	10	103	●
DR-5C-0850	8.5	59	10	103	●
DR-5C-0860	8.6	59	10	103	●
DR-5C-0870	8.7	59	10	103	●
DR-5C-0880	8.8	59	10	103	●
DR-5C-0890	8.9	59	10	103	●
DR-5C-0900	9	59	10	103	●
DR-5C-0910	9.1	59	10	103	●
DR-5C-0920	9.2	59	10	103	●
DR-5C-0930	9.3	59	10	103	●
DR-5C-0940	9.4	59	10	103	●
DR-5C-0950	9.5	59	10	103	●
DR-5C-0960	9.6	59	10	103	●
DR-5C-0970	9.7	59	10	103	●
DR-5C-0980	9.8	59	10	103	●
DR-5C-0990	9.9	59	10	103	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-5C

5D内冷麻花钻

5D Twist Drill, Internal Cooling



P	K	M	S	N	H
●	●	○	○		

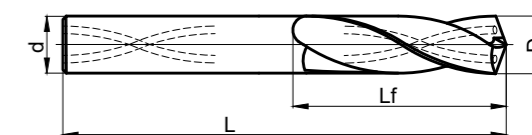
订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-5C-1010	10.1	69	12	118	●
DR-5C-1020	10.2	69	12	118	●
DR-5C-1030	10.3	69	12	118	●
DR-5C-1040	10.4	69	12	118	●
DR-5C-1050	10.5	69	12	118	●
DR-5C-1060	10.6	69	12	118	●
DR-5C-1070	10.7	69	12	118	●
DR-5C-1080	10.8	69	12	118	●
DR-5C-1090	10.9	69	12	118	●
DR-5C-1100	11	69	12	118	●
DR-5C-1110	11.1	69	12	118	●
DR-5C-1120	11.2	69	12	118	●
DR-5C-1130	11.3	69	12	118	●
DR-5C-1140	11.4	69	12	118	●
DR-5C-1150	11.5	69	12	118	●
DR-5C-1160	11.6	69	12	118	●
DR-5C-1170	11.7	69	12	118	●
DR-5C-1180	11.8	69	12	118	●
DR-5C-1190	11.9	69	12	118	●
DR-5C-1200	12	69	12	118	●
DR-5C-1210	12.1	75	14	124	●
DR-5C-1220	12.2	75	14	124	●
DR-5C-1230	12.3	75	14	124	●
DR-5C-1240	12.4	75	14	124	●
DR-5C-1250	12.5	75	14	124	●
DR-5C-1260	12.6	75	14	124	●
DR-5C-1270	12.7	75	14	124	●
DR-5C-1280	12.8	75	14	124	●
DR-5C-1300	13	75	14	124	●
DR-5C-1310	13.1	75	14	124	●
DR-5C-1320	13.2	75	14	124	●
DR-5C-1330	13.3	75	14	124	●
DR-5C-1350	13.5	75	14	124	●
DR-5C-1360	13.6	75	14	124	●
DR-5C-1370	13.7	75	14	124	●

● 标准库存Stock ○ 需预订Available Upon Order

DR-5C

5D内冷麻花钻

5D Twist Drill, Internal Cooling



P	K	M	S	N	H
●	●	○	○		

订货号 Ordering Code	刃径 (D) Dia.	槽长 (Lf) Flute Length	柄径(d) Shank Dia.	全长(L) Overall Length	库存 Stock
DR-5C-1380	13.8	75	14	124	●
DR-5C-1390	13.9	75	14	124	●
DR-5C-1400	14	75	14	124	●
DR-5C-1410	14.1	80	16	133	●
DR-5C-1420	14.2	80	16	133	●
DR-5C-1430	14.3	80	16	133	●
DR-5C-1440	14.4	80	16	133	●
DR-5C-1450	14.5	80	16	133	●
DR-5C-1460	14.6	80	16	133	●
DR-5C-1470	14.7	80	16	133	●
DR-5C-1480	14.8	80	16	133	●
DR-5C-1500	15	80	16	133	●
DR-5C-1510	15.1	80	16	133	●
DR-5C-1520	15.2	80	16	133	●
DR-5C-1530	15.3	80	16	133	●
DR-5C-1550	15.5	80	16	133	●
DR-5C-1570	15.7	80	16	133	●
DR-5C-1580	15.8	80	16	133	●
DR-5C-1600	16	80	16	133	●
DR-5C-1650	16.5	90	18	143	○
DR-5C-1670	16.7	90	18	143	○
DR-5C-1680	16.8	90	18	143	○
DR-5C-1690	16.9	90	18	143	○
DR-5C-1700	17	90	18	143	○
DR-5C-1720	17.2	90	18	143	○
DR-5C-1730	17.3	90	18	143	○
DR-5C-1750	17.5	90	18	143	○
DR-5C-1770	17.7	90	18	143	○
DR-5C-1780	17.8	90	18	143	○
DR-5C-1800	18	90	18	143	○
DR-5C-1850	18.5	98	20	153	○
DR-5C-1860	18.6	98	20	153	○
DR-5C-1880	18.8	98	20	153	○
DR-5C-1900	19	98	20	153	○
DR-5C-1950	19.5	98	20	153	○
DR-5C-1960	19.6	98	20	153	○
DR-5C-1980	19.8	98	20	153	○
DR-5C-2000	20	98	20	153	○

● 标准库存Stock ○ 需预订Available Upon Order

P20-S2/R2 切削参数推荐表

P20-S2/R2 Recommended Cutting Parameters

侧铣 Side Milling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap ≤ 1.5D ae ≤ 0.15D		ap ≤ 1.5D ae ≤ 0.15D		ap ≤ 1D ae ≤ 0.12D	
外径 Mill Dia. (mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	20060	900	14490	570	14490	510
4	15040	860	10860	550	10860	480
6	10020	760	7240	500	7240	450
8	7520	770	5430	540	5430	520
10	6010	760	4340	510	4340	460

槽铣 Slotting



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap ≤ 0.8D		ap ≤ 0.3D		ap ≤ 0.3D	
外径 Mill Dia. (mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	8910	360	6130	110	6680	220
4	6680	450	4590	120	5010	250
6	4460	360	3060	160	3340	220
8	3340	330	2290	160	2500	190
10	2670	300	1830	160	2000	180

注意

- △ 请尽可能使用高刚性、高精度的机床和卡盘。
- △ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- △ 发生颤动和异常振动时，请调整切削条件。

NOTE

1. Prefer to use the high-rigidity and high accuracy machine.
2. Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
3. Please adjust the parameters when chatter or abnormal vibration occurs.

P20-S4/R4 切削参数推荐表

P20-S4/R4 Recommended Cutting Parameters

侧铣 Side Milling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap ≤ 1.5D ae ≤ 0.15D		ap ≤ 1.5D ae ≤ 0.15D		ap ≤ 1D ae ≤ 0.12D	
外径 Mill Dia. (mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	20060	1790	14490	1150	14490	1020
4	15040	1730	10860	1110	10860	970
6	10020	1530	7240	990	7240	920
8	7520	1560	5430	1090	5430	1040
10	6010	1530	4340	1030	4340	940

P20-B2 切削参数推荐表

P20-B2 Recommended Cutting Parameters

仿形铣 Profiling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap ≤ 0.2D ae ≤ 0.3D		ap ≤ 0.2D ap ≤ 0.2D		ap ≤ 0.15D ae ≤ 0.15D	
外径 Mill Dia. (mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
4	13370	850	9190	510	10020	510
5	10690	850	7360	530	8020	530
6	8910	850	6130	530	6680	550
7	7640	850	5260	530	5730	530
8	6680	850	4590	530	5010	520
9	5940	850	4080	520	4460	510
10	5350	850	3670	530	4010	510

注意

- △ 请尽可能使用高刚性、高精度的机床和卡盘。
- △ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- △ 发生颤动和异常振动时，请调整切削条件。

NOTE

1. Prefer to use the high-rigidity and high accuracy machine.
2. Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
3. Please adjust the parameters when chatter or abnormal vibration occurs.

P30-S2/R2 切削参数推荐表

P30-S2/R2 Recommended Cutting Parameters

侧铣 Milling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap ≤ 1.5D ae ≤ 0.15D		ap ≤ 1.5D ae ≤ 0.15D		ap ≤ 1D ae ≤ 0.12D	
外径 Mill Dia. (mm)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)
3	20060	1120	14490	720	14490	640
4	15040	1080	10860	690	10860	600
6	10020	960	7240	610	7240	570
8	7520	970	5430	680	5430	650
10	6010	960	4340	640	4340	580
12	5010	900	3620	610	3620	520
16	3750	900	2710	510	2710	430
20	3010	900	2170	480	2170	380

槽铣 Slotting



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap ≤ 0.8D		ap ≤ 0.3D		ap ≤ 0.3D	
外径 Mill Dia. (mm)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)
3	8910	450	6130	140	6680	270
4	6680	560	4590	160	5010	320
6	4460	460	3060	210	3340	280
8	3340	420	2290	210	2500	240
10	2670	380	1830	210	2000	230
12	2220	360	1530	190	1660	230
16	1660	420	1150	170	1240	240
20	1330	430	920	160	1000	240

注意

- ▲ 请尽可能使用高刚性、高精度的机床和卡盘。
- ▲ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- ▲ 发生颤动和异常振动时，请调整切削条件。

NOTE

1. Prefer to use the high-rigidity and high accuracy machine.
2. Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
3. Please adjust the parameters when chatter or abnormal vibration occurs.

P30-S4/R4 切削参数推荐表

P30-S4/R4 Recommended Cutting Parameters

侧铣 Milling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap ≤ 1.5D ae ≤ 0.15D		ap ≤ 1.5D ae ≤ 0.15D		ap ≤ 1D ae ≤ 0.12D	
外径 Mill Dia. (mm)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)
3	20060	2240	14490	1440	14490	1270
4	15040	2160	10860	1390	10860	1210
6	10020	1920	7240	1240	7240	1150
8	7520	1950	5430	1360	5430	1300
10	6010	1920	4340	1290	4340	1180
12	5010	1800	3620	1220	3620	1060
16	3750	1800	2710	1020	2710	870
20	3010	1800	2170	950	2170	780

P30-B2 切削参数推荐表

P30-B2 Recommended Cutting Parameters

仿形铣 Profiling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap ≤ 0.2D ae ≤ 0.3D		ap ≤ 0.2D ap ≤ 0.2D		ap ≤ 0.15D ae ≤ 0.15D	
外径 Mill Dia. (mm)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)	转速 (n) (r/min)	进给速度 (Vf) (mm/min)
4	13370	1070	9190	640	10020	640
5	10690	1070	7360	660	8020	670
6	8910	1070	6130	670	6680	690
7	7640	1070	5260	660	5730	660
8	6680	1070	4590	660	5010	650
9	5940	1070	4080	650	4460	640
10	5350	1070	3670	660	4010	640
11	4860	1070	3340	670	3640	640
12	4460	1070	3060	670	3340	640

注意

- ▲ 请尽可能使用高刚性、高精度的机床和卡盘。
- ▲ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- ▲ 发生颤动和异常振动时，请调整切削条件。

NOTE

1. Prefer to use the high-rigidity and high accuracy machine.
2. Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
3. Please adjust the parameters when chatter or abnormal vibration occurs.

P30-B4 切削参数推荐表

P30-B4 Recommended Cutting Parameters

仿形铣 Profiling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
	切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)	
外径 Mill Dia. (mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
	4	13370	2140	9190	1290	10020
5	10690	2140	7360	1320	8020	1340
6	8910	2140	6130	1350	6680	1390
7	7640	2140	5260	1320	5730	1330
8	6680	2140	4590	1320	5010	1300
9	5940	2140	4080	1310	4460	1280
10	5350	2140	3670	1320	4010	1280
11	4860	2140	3340	1330	3640	1270
12	4460	2140	3060	1350	3340	1270

| 注意 |

- ▲ 请尽可能使用高刚性、高精度的机床和卡盘。
- ▲ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- ▲ 发生颤动和异常振动时，请调整切削条件。

| NOTE |

1. Prefer to use the high-rigidity and high accuracy machine.
2. Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
3. Please adjust the parameters when chatter or abnormal vibration occurs.

P40-S4/R4 切削参数推荐表

P40-S4/R4 Recommended Cutting Parameters

侧铣 Side milling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
	切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)	
外径 Mill Dia. (mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
	3	22290	2850	16710	2200	16710
4	16710	2740	12530	1850	12530	1650
6	11150	2360	8350	1600	8350	1500
8	8350	2340	6260	1700	6260	1620
10	6680	2270	5010	1580	5010	1470
12	5570	2220	4170	1500	4170	1300
16	4170	2080	3130	1240	3130	1070
20	3340	2070	2500	1150	2500	950

槽铣 Slotting



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
	切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)	
外径 Mill Dia. (mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
	3	8910	1100	6130	440	6680
4	6680	1280	4590	440	5010	760
6	4460	1010	3060	490	3340	630
8	3340	890	2290	470	2500	520
10	2670	820	1830	450	2000	490
12	2220	790	1530	450	1660	500
16	1660	890	1150	390	1240	510
20	1330	910	920	360	1000	520

| 注意 |

- ▲ 请尽可能使用高刚性、高精度的机床和卡盘。
- ▲ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- ▲ 发生颤动和异常振动时，请调整切削条件。

| NOTE |

1. Prefer to use the high-rigidity and high accuracy machine.
2. Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
3. Please adjust the parameters when chatter or abnormal vibration occurs.

H20-S4 /R4切削参数推荐表

H20-S4/R4 Recommended Cutting Parameters

侧铣 Side milling



工件材料 Workpiece Materials	合金钢·预硬化钢 (30-45HRC) Alloy steel, Pre-Hardened Steels		淬硬钢 (45-55HRC) Hardened Steel	
切削深度 Depth of cut (mm)	ap≤1.2D ae≤0.08D		ap≤1.0D ae≤0.04D	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	14700	840	13130	530
4	7560	950	6720	630
6	5040	1050	4410	740
8	3780	1160	3360	840
10	3050	1100	2630	740
12	2520	1050	2210	670

| 注意 |

- ▲ 请尽可能使用高刚性、高精度的机床和卡盘。
- ▲ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时, 请考虑加工条件、目的、使用机床等因素, 对切削条件进行调整。
- ▲ 发生颤动和异常振动时, 请调整切削条件。

| NOTE |

- 1.Prefer to use the high-rigidity and high accuracy machine.
- 2.Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
- 3.Please adjust the parameters when chatter or abnormal vibration occurs.

H20-B2 切削参数推荐表

H20-B2 Recommended Cutting Parameters

仿形铣 Profiling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (180-250HB) Carbon Steels, Alloy Steels, Cast Iron		不锈钢·工具钢 (25-35HRC) Stainless Steels, Tool Steels		预硬化钢 (35-48HRC) Pre-Hardened Steels	
切削深度 Depth of cut (mm)	ap≤0.04D ae≤0.04D		ap≤0.04D ae≤0.04D		ap≤0.02D ae≤0.02D	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
1	52500	2940	52500	2640	52500	2040
2	36780	2940	36780	2570	30090	2110
3	24520	2940	24520	2690	20060	2080
4	18390	2940	18390	2760	15040	2110
6	12260	2940	12260	2690	10020	2110
8	9190	2940	9190	2660	7520	2110
10	7360	2940	7360	2640	6010	2100
12	6130	2940	6130	2650	5010	2100

| 注意 |

- ▲ 请尽可能使用高刚性、高精度的机床和卡盘。
- ▲ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时, 请考虑加工条件、目的、使用机床等因素, 对切削条件进行调整。
- ▲ 发生颤动和异常振动时, 请调整切削条件。

| NOTE |

- 1.Prefer to use the high-rigidity and high accuracy machine.
- 2.Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
- 3.Please adjust the parameters when chatter or abnormal vibration occurs.

H30-S4/R4/RN4 切削参数推荐表

H30-S4/R4/RN4 Recommended Cutting Parameters

高速侧铣 High speed side milling



工件材料 Workpiece Materials	合金钢·预硬化钢 (30-45HRC) Alloy steel, Pre-Hardened Steels		淬硬钢 (45-55HRC) Hardened Steel		淬硬钢 (55-60HRC) Hardened Steel	
	切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	21000	1260	18900	950	15750	830
4	10500	1470	9660	1210	8400	950
6	7350	1680	6410	1370	5570	1090
8	5460	1890	4830	1470	4200	1160
10	4410	1680	3780	1370	3360	1050
12	3780	1580	3150	1260	2840	950

标准侧铣 Side milling



工件材料 Workpiece Materials	合金钢·预硬化钢 (30-45HRC) Alloy steel, Pre-Hardened Steels		淬硬钢 (45-55HRC) Hardened Steel		淬硬钢 (55-60HRC) Hardened Steel	
	切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	14700	840	13130	530	11550	460
4	7560	950	6720	630	5880	530
6	5040	1050	4410	740	3890	610
8	3780	1160	3360	840	2940	660
10	3050	1100	2630	740	2310	600
12	2520	1050	2210	670	2000	580

|注意|

- ▲ 请尽可能使用高刚性、高精度的机床和卡盘。
- ▲ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时, 请考虑加工条件、目的、使用机床等因素, 对切削条件进行调整。
- ▲ 发生颤动和异常振动时, 请调整切削条件。

|NOTE|

1. Prefer to use the high-rigidity and high accuracy machine.
2. Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
3. Please adjust the parameters when chatter or abnormal vibration occurs.

H30-B2 切削参数推荐表

H30-B2 Recommended Cutting Parameters

高速仿型铣 High speed profiling



工件材料 Workpiece Materials	合金钢·预硬化钢 (30-45HRC) Alloy steel, Pre-Hardened Steels		淬硬钢 (45-55HRC) Hardened Steel		淬硬钢 (55-60HRC) Hardened Steel	
	切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	36750	2730	30030	2310	26670	1890
4	18380	2840	15020	2420	13340	1890
6	12180	2840	9980	2420	8930	1890
8	9140	2990	7560	2470	6720	1580
10	7350	2990	5990	2470	5250	1580
12	6300	3050	4730	2520	2000	1580

标准仿型铣 Standard profiling



工件材料 Workpiece Materials	合金钢·预硬化钢 (30-45HRC) Alloy steel, Pre-Hardened Steels		淬硬钢 (45-55HRC) Hardened Steel		淬硬钢 (55-60HRC) Hardened Steel	
	切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)		切削深度 Depth of cut (mm)	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	21000	1580	16700	1260	12600	950
4	10820	1730	8400	1370	6300	1010
6	7250	1730	5570	1370	4200	1010
8	5360	1790	4200	1420	3050	970
10	4310	1790	3360	1420	2520	970
12	3570	1840	2730	1470	2210	950

|注意|

- ▲ 请尽可能使用高刚性、高精度的机床和卡盘。
- ▲ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时, 请考虑加工条件、目的、使用机床等因素, 对切削条件进行调整。
- ▲ 发生颤动和异常振动时, 请调整切削条件。

|NOTE|

1. Prefer to use the high-rigidity and high accuracy machine.
2. Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
3. Please adjust the parameters when chatter or abnormal vibration occurs.

A40-S3/R3 切削参数推荐表

A40-S3/R3 Recommended Cutting Parameters

侧铣 Side Milling



工件材料 Workpiece Materials	锻造铝合金、铸造铝合金(Si<12%) Forging and Casting Aluminum Alloy(Si<12%)		铜合金(HB<200) Copper Alloy(HB<200)	
切削深度 Depth of cut (mm)	ap≤1D ae≤0.1D		ap≤1D ae≤0.1D	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
2	12700	900	13000	850
4	12000	1430	12000	1200
6	10600	1530	10600	1200
8	10000	1670	10000	1500
10	9500	2050	9500	1800
12	9280	2800	9280	2225

槽铣 Slotting



工件材料 Workpiece Materials	锻造铝合金、铸造铝合金(Si<12%) Forging and Casting Aluminum Alloy(Si<12%)		铜合金(HB<200) Copper Alloy(HB<200)	
切削深度 Depth of cut (mm)	ap≤0.5D ae≤1D		ap≤0.5D ae≤1D	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
2	10000	570	10000	520
4	9000	960	9000	860
6	8000	1050	8000	830
8	7800	1300	7800	960
10	8000	1500	8000	1240
12	6800	1620	6800	1500

| 注意 |

- △ 请尽可能使用高刚性、高精度的机床和卡盘。
- △ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- △ 发生颤动和异常振动时，请调整切削条件。

| NOTE |

- 1.Prefer to use the high-rigidity and high accuracy machine.
- 2.Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
- 3.Please adjust the parameters when chatter or abnormal vibration occurs.

A40-B2 切削参数推荐表

A40-B2 Recommended Cutting Parameters

仿型铣 Profiling



工件材料 Workpiece Materials	锻造铝合金、铸造铝合金(Si<12%) Forging and Casting Aluminum Alloy(Si<12%)		铜合金(HB<200) Copper Alloy(HB<200)	
切削深度 Depth of cut (mm)	ap≤1D ae≤0.1D		ap≤1D ae≤0.1D	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
2	12700	900	13000	850
4	12000	1430	12000	1200
6	10600	1530	10600	1200
8	10000	1670	10000	1500
10	9500	2050	9500	1900
12	9280	2800	9280	2225

| 注意 |

- △ 请尽可能使用高刚性、高精度的机床和卡盘。
- △ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- △ 发生颤动和异常振动时，请调整切削条件。

| NOTE |

- 1.Prefer to use the high-rigidity and high accuracy machine.
- 2.Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
- 3.Please adjust the parameters when chatter or abnormal vibration occurs.

DR-3N/5N 切削参数推荐表

DR-3N/5N Recommended Cutting Parameters

钻削 Drilling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (HRC180-250) Carbon Steels, Alloy steels, Cast Iron		不锈钢·工具钢 (HRC25-35) Stainless Steels, Tool Steels		预硬化钢 (HRC35-48) Pre-hardened Steels	
切削速度 Cutting Speed	Vc=45-100m/min		-		Vc=30-80m/min	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	7427	0.13	-	-	5305	0.13
4	5570	0.15	-	-	3978	0.14
6	3713	0.19	-	-	2652	0.17
8	2785	0.25	-	-	1989	0.23
10	2228	0.3	-	-	1591	0.28
12	1856	0.33	-	-	1326	0.33
14	1591	0.38	-	-	1136	0.38
16	1392	0.42	-	-	995	0.42
18	1238	0.42	-	-	884	0.42
20	1114	0.43	-	-	795	0.43

| 注意 |

- △ 请尽可能使用高刚性、高精度的机床和卡盘。
- △ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- △ 发生颤动和异常振动时，请调整切削条件。

| NOTE |

- 1.Prefer to use the high-rigidity and high accuracy machine.
- 2.Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
- 3.Please adjust the parameters when chatter or abnormal vibration occurs.

DR-3C/5C 切削参数推荐表

DR-3C/5C Recommended Cutting Parameters

钻削 Drilling



工件材料 Workpiece Materials	碳钢·合金钢·铸铁 (HRC180-250) Carbon Steels, Alloy steels, Cast Iron		不锈钢·工具钢 (HRC25-35) Stainless Steels, Tool Steels		预硬化钢 (HRC35-48) Pre-hardened Steels	
切削速度 Cutting Speed	Vc=60-120m/min		Vc=40-80m/min		Vc=30-90m/min	
外径 Mill Dia.(mm)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)	转速(n) (r/min)	进给速度(Vf) (mm/min)
3	8488	0.13	6366	0.06	6366	0.13
4	6366	0.15	4774	0.08	4774	0.14
6	4243	0.19	3183	0.08	3183	0.17
8	3183	0.25	2387	0.1	2387	0.23
10	2546	0.3	1910	0.11	1910	0.28
12	2121	0.33	1591	0.13	1591	0.33
14	1818	0.38	1364	0.13	1364	0.38
16	1591	0.42	1193	0.14	1193	0.42
18	1415	0.42	1061	0.14	1061	0.42
20	1273	0.43	955	0.16	955	0.43

| 注意 |

- △ 请尽可能使用高刚性、高精度的机床和卡盘。
- △ 此切削参数推荐表中的数值为切削条件的基准值。实际加工时，请考虑加工条件、目的、使用机床等因素，对切削条件进行调整。
- △ 发生颤动和异常振动时，请调整切削条件。

| NOTE |

- 1.Prefer to use the high-rigidity and high accuracy machine.
- 2.Recommended Cutting parameters are for your reference. Please adjust the parameter to fulfill your own purpose.
- 3.Please adjust the parameters when chatter or abnormal vibration occurs.

附录 Appendix

Cutting Parameters and General Formula For Milling

铣削加工的切削参数与通用计算公式

常用参数及其单位			Parameter and Unit		
D	铣刀直径 Diameter	(mm)	fn	每转进给量 Feeding per Revolution	(mm/rev)
ap	切削深度 Cutting Depth	(mm)	fz	每刃进给量 Feeding per Tooth	(mm/tooth)
ae	切削宽度 Cutting Width	(mm)	Z	刀刃数 Teeth Number	
Vf	进给速度 Feed Speed	(mm/min)	n	主轴转速 Spindle Speed	(rev/min)
Vc	切削速度 Cutting Speed	(m/min)	L	工作台总进给长度 Length: (工件长度+ 铣刀直径: +D)	(mm)
Tc	加工时间 Processing Time	(min)	Q	金属切削率 Metal Removal Rate	(cm ³ /min)

通用计算公式			General Formula		
n	主轴转速 Spindle Speed		$n = \frac{Vc \times 1000}{\pi \times D}$ (r/min)		
Vc	切削速度 Cutting Speed		$Vc = \frac{\pi \times D \times n}{1000}$ (m/min)		
fz	每刃进给量 Feeding per Tooth		$fz = \frac{Vf}{z \times n}$ (mm)		
Vf	进给速度 Feed Speed		$Vf = n \times fz \times Z$ (mm/min)		
Q	金属切削率 Metal Removal Rate		$Q = \frac{ae \times ap \times Vf}{1000}$ (mm)		
Tc	加工时间 Processing Time		$Tc = \frac{L}{Vf}$ (min)		

Workpiece code table

工件材料代码表

材料组 ISO Material Group	MC TAIFENG	工件材料 Workpiece Material	含量 Content	抗拉强度 Tensile Strength (N/mm ²)	布氏硬度 Brinell Hardness (HB)	洛氏硬度 Rockwell Hardness (HRC)
P 钢 Steels	P1	低碳钢, 长切屑 Low-carbon Steels, Long Chipping	C<0.25%	<530	<125	—
	P2	低碳钢, 短切屑, 易切钢 Low-carbon Steels, Short Chipping, Free-cutting Steels	C<0.25%	<530	<125	—
	P3	高碳钢及中碳钢 High-carbon Steels, Medium-carbon Steels	C>0.25%	>530	<220	<25
	P4	合金钢, 工具钢 Alloy Steels, Tool Steels	C>0.25%	600-850	<330	<35
	P5	合金钢, 工具钢 Alloy Steels, Tool Steels	C>0.25%	850-1400	340-450	35-48
	P6	铁素体不锈钢, 马氏体不锈钢, PH不锈钢 Ferritic Stainless Steels, Martensitic Stainless Steels, Ph Stainless Steels	C=(0-0.4)%	600-900	<330	<35
	P7	高强度铁素体不锈钢, 马氏体不锈钢, PH不锈钢, High-strength Ferritic Stainless Steels, Martensitic Stainless Steels, Ph Stainless Steels	C=(0.1-0.6)%	900-1350	330-450	35-48
M 不锈钢 Stainless Steels	M1	奥氏体不锈钢 Austenitic Stainless Steels	C=(0.05-0.15)%	<600	130-200	—
	M2	高强度的奥氏体和铸造不锈钢 High-strength Austenitic Stainless Steels And Cast Stainless Steels	C=(0.05-0.15)%	600-800	150-230	<25
	M3	双相不锈钢 Duplex Stainless Steels	C=(0.05-0.20)%	<800	135-275	<30
K 铸铁 Cast Iron	K1	灰铸铁 Grey Cast Iron	—	125-500	120-290	<32
	K2	中等加工难度的合金铸铁, 球墨铸铁 Moderately Difficult Alloy Cast Iron, Nodular Cast Iron	—	<600	130-260	<28
	K3	难加工的高合金铸铁, 球墨铸铁 Difficult High-alloy Cast Iron, Nodular Cast Iron	—	>600	180-350	<43
N 有色材料 Non-ferrous Materials	N1	锻造铝合金 Wrought Aluminium Alloys	—	<520	60-90	—
	N2	铸造铝合金 Cast Aluminium Alloys	Si<12%	<350	70-100	—
	N3	铸造铝合金 Cast Aluminium Alloys	Si>12%	200-320	60-120	—
	N4	铜, 铜合金 Copper, Copper Alloys	—	200-650	60-200	—
	N5	石墨, 复合材料 Graphite, CFK, CFRP Graphite, Composite Materials	—	600-1500	—	—
	N6	铝基复合材料(MMCs) GFK, CFK Aluminium-based Composite Materials	—	<700	<210	—
S 耐热合金 钛合金 Heat-resistant Alloys, Titanium Alloys	S1	铁基高温合金 Iron-based Heat-resistant Alloys	—	500-1200	160-260	25-48
	S2	钴基高温合金 Cobalt-based Heat-resistant Alloys	—	1000-1450	250-450	25-48
	S3	镍基高温合金 Nickel-based Heat-resistant Alloys	—	600-1700	160-450	<48
	S4	钛及钛合金 Titanium And Titanium Alloys	—	900-1600	300-400	33-48
H 高硬度材料 High Hardened Materials	H1	淬硬钢 Hardened Steels	—	—	—	45-55
	H2	淬硬钢 Hardened Steels	—	—	—	55-60
	H3	淬硬钢 Hardened Steels	—	—	—	60-65
	H4	淬硬钢 Hardened Steels	—	—	—	>65

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P1	15	1.0401	C 15	S 15 C	1015	C 12	080 M 15	C 15
P1	20; ML20	1.0402	C 22	S 22 C	1020	C 20	050 A 20	1 C 22
P1	15	1.1141	Ck 15	S 15 C	1015	XC 15	080 M 15	2 C 15
P2	Y15	1.0715	9 SMn 28; 11 SMn 30	SUM 22	1213	S 250	230 M 07	11 SMn 28
P2	Y15Pb	1.0718	9 SMnPb 28	SUM 22 L	12L13	S 250 Pb	—	11 SMnPb 28
P2	Y13	1.0736	9 SMn 36; 11 S Mn 37	SUM 25	1215	S 300	240 M 07	11 SMn 37
P2	—	1.0737	9 SMnPb 36; 11 SMnPb 37	—	12L14	S 300 Pb SMnPb 36	—	11 SMnPb 37
P3	35	1.0501	C 35	S 35 C	1035	CC 35	060 A 35	1 C 35
P3	45	1.0503	C 45	S 45 C	1045	CC 45	080 M 46	1 C 45
P3	ZG340-640;55	1.0535	C 55	S 55 C	1055	C 55	070 M 55	1 C 55
P3	60	1.0601	C 60	S 60 C- CSP	1060	AF 70 C 55	080 A 62	1 C 60
P3	Y35; Y30	1.0726	35 S 20	—	1140	35 MF 4	212 M 36	35 S 20
P3	60Si2CrA; 60Si2Mn	1.0961	60 SiCr 7	SUP 7	9262	60 SC 7	250 A 61	60 SiCr 8
P3	40Mn	1.1157	40 Mn 4	—	1039	35 M 5	150 M 36	—
P3	25; ML25	1.1158	Ck 25	S 25 C	1025	XC 25	070 M 26	2 C 25
P3	35Mn2	1.1167	36 Mn 5	SMn 438 (H)	1335	40 M 5	150 M 36	—
P3	30Mn2	1.1170	28 Mn 6	SCMn 1	1330	35 M 5	150 M 28	28 Mn 6
P3	35Mn	1.1183	Cf 35	S 35 C	1035	XC 38 TS	060 A 35	C 35 G
P3	Ck45; 45; Mn45Mn; ZG310-570	1.1191	Ck 45	S 45 C	1045	XC 42	080 M 46	2 C 45
P3	55	1.1203	Ck 55	S 55 C	1055	XC 55 H1	070 M 55	2 C 55
P3	50	1.1213	Cf 53	S 50 C	1050	XC 48 TS	060 A 57	C 53 G
P3	60Mn; 60	1.1221	Ck 60	S 58 C	1060	XC 60	060 A 62	2 C 60

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P3	—	1.1274	Ck 101	SUP_4	1095	XC 100	060 A 96	C 100 S
P3	T10	1.1545	C 105 W1	—	W 110	Y 105	B W 1 A	C 105 U
P3	CrV; 9SiCr; Cr2; 9Cr2	1.2067	100 Cr 6	—	L3	Y 100 C 6	B L 3	102 Cr 6
P3	CrWMo; CrWMn; 9CrWMn	1.2419	105 WCr 6	SKS 31	—	(107 WCr 13)	—	105 WCr 5
P3	5CrNiMo; 5CrW2Si	1.2542	45 WCrV 7	—	S1	45 WCr V 8	BS 1	45 WCrV 8
P3	5CrNiMo	1.2713	55 NiCrMoV 6	SKT 4	L6	55 NCDV 7	BH 224/5	55 NiCrMoV 7
P3	—	1.5415	15 Mo 3	STFA 12-240	A 204 Gr. A	15 D3	1501	16 Mo 3
P3	—	1.5622	14 Ni 6	SL2N26	A 350-LF 5	15 N 6	—	FeE 285 Ni 6
P3	—	1.6511	36 CrNiMo 4	—	9840	40 NCD 3	816 M 40	36 CrNiMo 4
P3	40CrNiMoA	1.6582	34 CrNiMo 6	SNCM 447	4340	35 NCD 6	817 M 40	34 CrNiMo 6
P3	—	1.6587	17 CrNiMo 6	SNCM 815	—	18 NCD 6	820 A 16	17 CrNiMo 7
P3	15Cr	1.7015	15 Cr 3	SCr 415 H	5015	12 C 3	523 M15	15 Cr 2
P3	35Cr	1.7033	34 Cr 4	SCr 430 H	5130 H	32 C 4	530 A 32	34 Cr 4 KD
P3	40Cr	1.7045	42 Cr 4	SCr 440	5140	42 C 4 TS	530 A 40	40 NiCrMo 3
P3	—	1.7035	41Cr4	SCr440(H)	5140	42C4	530M40	24
P3	—	1.7380	Mo910	—	ASTM A182 F.22	12CD9; 12CD10	1501-622 Cr31, 45	—
P3	40Cr	1.7045	42 Cr 4	SCr 440	5140	42 C 4 TS	530 A 40	40 NiCrMo 3
P3	18CrMn	1.7131	16 MnCr 5	SCR 415	5115	16 MC 5	527 M 17	16 MnCr 5 KD
P3	20CrMn; 50CrMn	1.7176	55 Cr 3	SUP 9 (A)	5155	55 C 3	527 A 60	55 Cr 3
P3	30CrMn	1.7218	25 CrMo 4	SCM 420	4130	25 CD 4	708 A 25	25 CrMo 4 KD
P3	50CrVA	1.8159	—	SUP 10	6150	50 CV 4	735 A 50	51 CrV 4
P3	35CrMo	1.7220	34CrMo4	SCm432; SCCrM3	4137; 4135	35CD4	708A37	—

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P3	40CrMoA	1.7223	41 CrMo 4	SCM 440	4142	42 CD 4 TS	708 M 40	41 CrMo 4
P3	42CrMo; 42CrMnMo	1.7225	42 CrMo 4	SCM 440 H	4140	42 CD 4	708 A 42	42 CrMo 4
P3	15CrMo	1.7262	15 CrMo 5	SCM 415 H	—	12 CD 4	—	—
P3	12CrMo	1.7335	13 CrMo 4 4	SFVA F 12	A182-F11	15 CD 4.05	1501-621	13 CrMo 4-5
P3	—	1.7361	32 CrMo 12	—	—	30 CD 12	722 M 24	32 CrMo 12
P4	55Si2Mn	1.0904	55 Si 7	SKH 1; SKT 4	9255	55 S 7	250 A 53	55 NiCrMoV 7
P4	V	1.2833	100 V 1	SKS 43	W 210	Y1 105 V	BW 2	100 V 2
P4	12CrNi2	1.5732	14 NiCr 10	SNC 415 H	3415	14 NC 12	—	—
P4	12CrNi3	1.5752	14 NiCr 14	SNC	E	16 NC 11	655 M 13	13 NiCr 12
P4	20CrNiMo	1.6523	21 NiCrMo 2	SNCM 220 H	8620	20 NCD 2	805 M 20	20 NiCrMo 2 KD
P4	—	1.6546	40 NiCrMo 7 2 KB	SNCM 240	8640	40 NCD 2	—	40 NiCrMo 2 KD
P4	—	1.8523	39 CrMoV 13 9	—	—	—	897 M 39	39 CrMoV 13 9
P4	—	1.5710	36NiCr6	SNC236	3135	35NC6	640A35	111A
P6	ZGMn13-1; ZGMn13-2	1.3401	X 120 Mn 12	SCMnH 1	A 128	Z 120 M 12	BW 10	—
P6	Cr6WV; 100CrMoV5	1.2363	X 100 CrMoV	SKD 12	A-2 5 1	Z 100 CDV 5	BA 2	X 100 CrMoV 5 1
P6	Cr12W	1.2436	X 210 CrW 12	SKD 2	—	Z 210 CW 1 2	—	X 210 CrW 12
P6	3Cr2W8V; 30WCrV9; 5CrMnMo	1.2581	X 30 WCrV 93	SKD 5	H 21	Z 30 WCV 9	BH 21	X 30 WCrV 9 3
P6	4Cr5MoVSi1; 40CrMoV5	1.2344	X 40 CrMoV 5 1	SKD 61	H 13	Z 40 CDV 5	BH 13	X 40 CrMoV 5 1
P6	W18Cr4V	1.3355	S 1-8-0-1	SKH 2	T 1	Z80WCV 18-04-01	BT 1	HS 1-8-0-1
P6	W18Cr4VCo5	1.3255	S 1-8-1-2-5	SKH 3	T 4	Z80 WKCV 18-05-04-01	BT 4	(HS18-1-1-5)
P6	W6Mo5Cr4V 2Co5	1.3243	S 6-5-2-5	SKH 55	M 35	KCV 06-05- 05-04-02	BM 35	(HS6-5-2-5)
P6	—	1.5662	X 8 Ni 9	SL 9 N 53	A 353	9 Ni	509	FeE 490 Ni 36

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P6	Cr12MoV	1.2601	X 165 CrMoV 12	—	—	—	—	X 165 CrMoV 12
P6	Cr12	1.2080	X210Cr12	SKD1	D3 ASTM D3	Z200C12	BD3	—
P6	—	1.3343	S6-5-2	SUH3	D3	Z40CSD10	4959BA2	—
P6	M7	1.3348	S 2-9-2	—	M 7	Z100DCWV 09-04-02-02	—	HS 2-9-2
M1	—	1.4408	GX 6 CrNiMo 18 10	SCS 14	CF-8M	GX5CrNiMo 19-11-2	316 C 16	GX 5 CrNiMo 19-11-2
M1	0Cr27Ni12 Mo3	1.4435	X 2 CrNiMo 18 14 3	SCS 16	316 L	Z 2 CND 17.13	316 S 11	X 2 CrNiMo 18 16
M1	1Cr18Ni12 Mo2Ti	1.4581	GX 5 CrNi MoNb 18 10	SCS 22	—	Z 4 CNDNb 18.12 M	318 C 17	GX 5 CrNiMo Nb 19-11-2
M1	1Cr23Ni13; 2Cr23Ni13	1.4828	X 15 CrNiSi 20 12	SUH 309	309	Z 15 CNS 20.12	309 S 24	X 15 CrNiSi 20 12
M1	00Cr18Ni10N; 0Cr19Ni9	1.4311	X 2 CrNiN 18 10	SUS 304 LN	304	Z 8 CN 18.12	304 S 62	X 2 CrNiN 18 10
M1	0Cr25Ni20; 2Cr25Ni21	1.4845	X 12 CrNi 25 21	SUS 310 S	310 S	Z 12 CN 25.20	310 S 24	X 8 CrNi 25 21
M1	0Cr17Ni11Mo2; 0Cr17Ni12Mo2	1.4401	X 5 CrNiMo 17 12 2	SUS 316	316	Z 6 CND 17.11	316 S 16	X6 CrNiMo 17 X 12 2 KD
M1	0Cr17Ni12 Mo2	1.4436	X 5 CrNiMo 17 1 3 3	SUS 316	316	Z 6 CND 17.12	316 S 16	X6 CrNiMo 18 13 3 KD
M1	00Cr17Ni14 Mo2	1.4404	X 2 CrNiMo 17 13 2	SUS 316 L	316 L	Z 3 CND 19.10 M	316 S 12	GX 3 CrNiMo 17 12 2 KD
M1	0Cr17Ni13Mo; 00Cr17Ni13Mo2N	1.4429	X 2 CrNiMoN 17 13 3	SUS 316 LN	316 LN	Z 2 CND 17.13 Az	316 S 62	X 3 CrNiMoN 17 13 3
M1	—	1.4406	X 2 CrNiMoN 17	SUS 316 LN 12 2	316	Z 2 CND 17.12 Az	316 S 61 LN	X 3 CrNiMoN 17 12 2
M1	Cr18Ni12 Mo2Ti	1.4571	X 6 CrNiMoTi 17 12 2	SUS 316 Ti	316 Ti	Z 6 CNDT 17.12	320 S 31	X 6 CrNiMoTi 17 12 2
M1	00Cr19Ni13 Mo3	1.4438	X 2 CrNiMo 18 16 4	SUS 317 L	317 L	Z 2 CND 19.15	317 S 12	X 3 CrNiMo 18 16 4
M1	1Cr18Ni9Ti	1.4541	X 6 CrNiTi 18 10	SUS 321	321	Z 6 CNT 18.10	321 S 12	X 6 CrNiTi 18
M1	1Cr18Ni10Ti; 1Cr18Ni9Ti	1.4878	X 12 CrNiTi 18 9	SUS 321	321	Z 6 CNT 18.12	321 S 20	X 10 CrNiTi 18 10
M1	Cr17Ni12Mo3 Nb	1.4583	X 10 CrNi MoNb 18 12	—	318	—	—	—
M1	—	1.4539	X 1 NiCrMo CuN	—	—	Z 1 NCDU 25-20-5	904 S 13 25 20	X 1 NiCrMoCu
M1	—	1.4003	—	—	405	Z8CA12	405S17	—

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M1	—	1.4521	X1CrMoTi182	—	S44400	—	—	—
M1	—	1.4542	—	—	630	Z7CNU17-04	—	—
M1	00Cr19Ni13Mo3	1.4438	X 2 CrNiMo 18 16 4	SUS 317 L	317 L	Z 2 CND 19.15	317 S 12	X 3 CrNiMo 18 16 4
M1	1Cr18Ni9Ti	1.4541	X 6 CrNiTi 18 10	SUS 321	321	Z 6 CNT 18.10	321 S 12	X 6 CrNiTi 18
M1	1Cr18Ni10Ti; 1Cr18Ni9Ti	1.4878	X 12 CrNiTi 18 9	SUS 321	321	Z 6 CNT 18.12	321 S 20	X 10 CrNiTi 18 10
M1	1Cr18Ni11Nb	1.4550	X 6 CrNiNb 18 10	SUS 347	347	Z 6 CNNb 18.10	347 S 17	X 6 CrNiNb 18 10
M1	1Cr17	1.4016	X6Cr17	SUS 430	430	—	430 S 17; 430 S 18	—
M1	0Cr15NiMo2Al	1.4532	X 8 CrNiMoAl 15 7 2	—	15-7 PH	X15D2	—	X 8 CrNiMoAl 15-7-2
M1	Cr17Ni12Mo3Nb	1.4583	X 10 CrNiMoNb 18 12	—	318	—	—	—
M1	—	1.4539;52662	X 1 NiCrMo CuN	—	—	Z 1 NCDU 25-20-5	904 S 13 25 20	X 1 NiCrMoCu
M1	0Cr17Ni4Cu4Nb	1.4542	X 5 CrNiCuNb 16 4	SUS 630	630	Z6CNU17.04	—	X 5 CrNiCuNb 16-4
M2	0Cr17Ni7Al	1.4568	X 7 CrNiAl 17 7	SUS 631	—	X7CrNiAl17-7; Z9CNA17-07	301 S 81	X 7 CrNiAl 17-7
M2	—	1.4504	—	—	—	—	—	—
M2	—	1.4504	—	—	—	—	—	—
M2	0Cr17Ni7Al	1.4568	X 7 CrNiAl 17 7	SUS 631	—	X7CrNiAl17-7; Z9CNA17-07	301 S 81	X 7 CrNiAl 17-7
M3	0Cr26Ni5Mo2	1.4460	X 4 CrNiMo 27 5 2	SUS 329 J1	329	X 2 CrNiMo 25-7-3	—	X 3 CrNiMo 27 5 2
M3	—	1.4462	X 2 CrNiMoN 22 5 3	SUS 329J 3L	S318 03	Z 3 CND 22.05 AZ	318 S 13	X 2 CrNiMoN 22 5 3
K1	HT300	0.6030	GG- 30	FC 300	A48-45 B	FGL 300	Grade 300	GJL-300
K1	HT350	0.6035	GG- 35	FC 350	A48-50 B	FGL 350	Grade 350	GJL-350
K1	HT400	0.6040	GG- 40	—	A48-55 B	FGL 400	Grade 400	GJL-400
K2	—	0.7033	GGG-35.3	—	—	—	—	GJS-350-22
K2	QT400-18	0.7040	GGG-40	FCD400	60-40-18	FCS 400-12	SNG 420/12	—

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K2	—	—	GGG-40.3	—	—	FGS 370-17	SNG 370/17	—
K2	QT500-7	0.7050	GGG-50	FCD500	80-55-06	FGS 500-7	SNG 500/7	—
K2	—	0.7660	GGG-NiCr202	—	A43D2	S-NC202	Grade S6	—
K2	—	—	GGG-NiMo137	—	—	L-MN 137	L-NiMn 137	—
K2	QT600-3	—	GGG-60	FCD600	—	FGS 600-3	SNG 600/3	—
K2	QT700-18	0.7070	GGG-70	FCD700	100-70-03	FGS 700-2	SNG 700/2	—
K3	—	0.8145	GTS-45-06	FCMP440	40010	P 45-06	P 440/7	MN 450 - 6
K3	—	0.8155	GTS-55-04	FCMP490	50005	P 55-04	P 510/4	MN 550-4
K3	—	0.8165	GTS-65-02	FCMP540	70003	P 65-02	P 570/3	MN 650-3
K3	—	—	—	FCMB310	—	MN 32-8	56 1/3	—
K3	—	—	GTS-35	FCMW330	GTS-35	MN 35-10	B 340/12	—
K3	—	—	GTS-65	FCMP540	GTS-65	MP60-3	P 570/3	—
K3	—	—	GTS-70-02	FCMP690	GTS-70-02	MN 700-2	P 690/2	—
K3	—	0.8145	GTS-45-06	FCMP440	40010	P 45-06	P 440/7	MN 450 - 6
K3	—	0.8155	GTS-55-04	FCMP490	50005	P 55-04	P 510/4	MN 550-4
K3	—	0.8165	GTS-65-02	FCMP 540	70003	P 65-02	P 570/3	MN 650-3
H	—	0.9620	GX 260 NiCr 42	0512-00	A 532 IB NiCr-LC	—	—	GJH-X260Ni Cr 4-2
	—	0.9625	G-X 330 NiCr 42	0513-00	A 532 IA NiCr-HC	FB Ni 4 Cr2 HC	—	GJH-X330Ni Cr 4-2
	—	0.9630	G-X 300 CrNiSi 95 2	0457-00	A 532 ID Ni-HiCr	—	—	GJH-X300 Cr NiSi 9-5-2
	—	0.9635	G-X 300 CrMo 15 3	—	A 532 IIC15% CrMo-HC	—	—	GJH-X300 CrMo 15-3
	—	0.9640	G-X 300 CrMoNi 15 2 1	—	—	—	—	GJH-X300 CrMoNi 15-2-1
	—	0.9645	GX 260 CrMoNi 20 2 1	—	A 532 IID20% CrMo-HC	—	—	GJH-X260 CrMoNi 20-2-1
	—	0.9650	GX 260 Cr 27	0466-00	A 532 IIA25% Cr	—	—	GJH-X260 Cr 27
	—	0.9655	G-X 300 CrMo 27 1	—	A 532 IIA25% Cr	—	—	GJH-X300 CrMo 27-1

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EN—欧洲标准
EN—European Standards