DOHRE®

嘀乐数控工具有限公司
DOHRE CNC TOOL CO.,LTD

Http://www.dohrecnc.com Http://www.dohretool.cn

嘀乐数控工具有限公司 DOHRE CUTTING TOOLS

DOHRE®

新产品

铣刀目录

CARBIDE END MILLS

PREMIUM Cutting Tools



NEW

High precision Mirror surface Molds milling cutter
高精度镜面模具铣刀

High precision Stainless steel Milling cutter
高精度不锈钢铣刀

High precision High temperature alloy Milling cutter
高精度高温合金铣刀



CUTTING TOO

COMPANY INTRODUCE





DOHRE Tool Co.,Ltd is professional manufacturer and services provider of CNC cutting tools, mainly service for the users of cnc machines from different cities in the world, provide high quality, favourable price, earlier delivery and full technologysupports.

DOHRE Tool Co.,Ltd always advocates "integrity, pragmatism. innovation.efficiency " operation principle, introduced the latest German cnc 5 axis grinding machines, cnc 5 axis automatic detection equipments and advanced grinding technology, Till now, we have 20 imported grinding machines,adopted the top quality carbide rods from home and abroad, thus developed high-class, high efficiency.advanced manufacturing system,the good quality products we produced-cnc tungsten carbide end mils, forming cutting tools, cnc high accuracy tool holder.high precision collets,and full range cutting tools design program has been well received in lots of users. DOHRE will be confident to meet your needs with good quality products. competitive prices and fast services.

MEMO

MEMO





Equipped With Walter 采用进口Walter&ANCA 5轴加工中心生产 5 axis machining center

More Stable & Reliable Quality 品质稳定,坚实可靠

High Precision & High Efficency 高精度，高效率

Customization & Flexibitity 非标制作，功能可变性强









DOHRE





公司提供了多项航空航天装备制造、IT电子、陶瓷、玻璃、汽车零部件、模具、医疗器械等成套刀具加工解决方案。

DOHRE provides a complete set of tool processing solutions for aerospace equipment manufacturing, it electronics, ceramics, glass, automotive parts,molds, medical equipment.









DOHRE





公司拥有从粉末原料制备、模具制作、压制成型、压力烧结、研磨加工、涂层和涂层后处理的完整刀片制造工艺装备生产线。公司混合料装备喷雾干燥制粒系统，先进的工艺和设备确保原料物理性能和表观成型性能最佳。压制成型采用国际上最先进的电动直驱自动压力机，其高精度和高性能满足了产品精度，高稳定性等要求。烧结方面应用最适合可转位刀片内在质量和表面质量要求的最先进压力烧结设备，供磨加工采用数控周边磨床等，保证产品形状和精度要求。涂层也是采用世界上最先进的物理涂层和化学涂层。先进的涂层后处理设备，保证产品性能的更加优化，全套世界一流的生产线确保每一片刀片品质如一。

The company has everything from powder raw material preparation, mold making, press forming, pressure sintering, grinding, coating and A complete blade manufacturing process equipment line for post-coating treatment. The company mixes equipment spray drying granulation system.Advanced processes and equipment ensure optimum physical properties and apparent forming properties. Press molding is the most internationally.The advanced electric direct drive automatic press has high precision and high performance to meet the requirements of product precision and high stability. For sintering, the most advanced pressure sintering is applied to the intrinsic quality and apparent quality requirements of indexable inserts device. Grinding processing uses CNC peripheral grinding machines to ensure product shape and accuracy requirements. Coating is also adopted.The most advanced physical coatings and chemical coatings on the world. Advanced coating post-processing equipment to ensure better product performance optimization. A full world-class production line ensures that each blade is of the same quality.

Coating characteristics:

1. AITIN-L

Aluminum Titanium Nitride Coating

Advantages: strong universal property, good wear-resisting property, excellent flexibility. Coating colour (gray black), coating thickness (2um), microhardness HV 3000, coefficient of friction 0.35, maximum working temperature 800° .

Application: the most suitable for process iron, common mould steel, modulated steel, stainless steel, alloy copper, cast iron.

Cutting speed: wet processing at medium & low speed.

2. AITiN-S

High Silicon Mixed Nano Coating

Avantages: strong adhesiveness, high working temperature, good wear-resistance. Coating colour (bronze),microhardness HV 3600, coefficient of friction 0.3, maximum working temperature 1100° .

Application: modulated steel, hardened stainless steel, high temperature alloy steel, hardened nodular cast iron.

Cutting speed: the most suitable for middle high speed processing, wet and dry machining are available.

3.DLC

Diamond-like-carbon coating

Advantages: ultra-thin, good surface smoothness. Coating colour (black and multicolour), coating thickness (1um), microhardness HV 2000, coefficient of friction 0.1, maximum working temperature 300° .

Application: the most suitable for highlights and finish processing of aluminum alloy & aluminum & acrylic & non-ferrous metal.

Cutting speed: high speed wet and dry machining.

End tooth type milling cutter

MG Micro Grain Coated

UMG Ultra Micro Grain Carbide

NMG Nano Micro Grain Carbide

Products Series

P-UEX	AL	General Type Hardened Coated End Mill (Black) HRC60
	AS	General Type Hardened Coated End Mill (Bronze) HRC60
P-HEX	AL	General Type Hardened Coated End Mill (Black) HRC60
	AS	General Type Hardened Coated End Mill (Bronze) HRC60
P-CEX	AS	Super High Speed High Polished Hardened End Mill (Bronze) HRC70
P-AEX	NO	High Polished Hardened Aluminum End Mill (Uncoated) HRC58
	DLC	High Polished Coated Aluminum Coated End Mill (Blue or Black) HRC60
GEX	AL	General Type Coated End Mill (Black) HRC45
	AS	General Type Coated End Mill (Bronze) HRC48
PEX	AL	High Performance General Type Coated End Mill (Black) HRC55
	AS	High Performance General Type Coated End Mill (Bronze) HRC58
UEX	AL	General Type Hardened Coated End Mill (Black) HRC60
	AS	General Type Hardened Coated End Mill (Bronze) HRC60
HEX	AS	High Speed Hardened Coated End Mill (Bronze) HRC65
CEX	AS	Super High Speed High Polished Hardened End Mill (Bronze) HRC70
AEX	NO	High Polished Aluminum End Mill (Uncoated) HRC50
	DLC	High Polished Aluminum End Mill (Uncoated) HRC55
FEX	NO	High Polished Hardened Aluminum End Mill (Uncoated) HRC58
	DLC	High Polished Coated Aluminum Coated End Mill (Blue or Black) HRC60
MEX	DIA	DIA For Graphite Hardened Coated End Mill (Gray)HRC50

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Processing forms



Helix angle



Cutter coating



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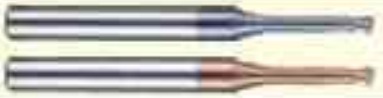
2 flutes long neck short flute ball nose end mills		B159
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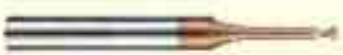
2 flutes long neck short flute square end mills		B177
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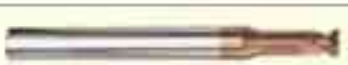
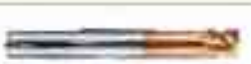
2 flutes long neck short flute corner radius end mills		B182
4 flutes high strength flat end mills		B185
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P-UEX

Suitable for stainless steel, aluminum alloy, mould steel finishing process

适合不锈钢，铝合金，模具钢，超精加工

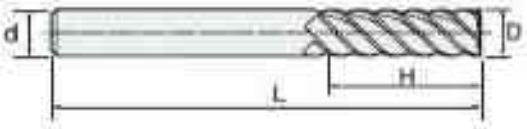
德国进口材质	German imported material
瑞士纳米涂层技术	Swiss nano-coating technology
超高精度定制	Ultra high precision customization
红外3D检测	Infrared 3D detection
新型独特刃部设计	New unique flute design



P-UEX 6 flutes square end mills







Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
P-UEX6F0400110S04	4.0	11	50	6	O	O
P-UEX6F0500130S06	5.0	13	50	6	O	O
P-UEX6F0600150S06	6.0	15	50	6	O	O
P-UEX6F0800200S08	8.0	20	60	8	O	O
P-UEX6F1000250T10	10.0	25	75	10	O	O
P-UEX6F1200300T12	12.0	30	75	12	O	O
P-UEX6F1600401016	16.0	40	100	16	O	O
P-UEX6F2000401020	20.0	40	100	20	O	O
P-UEX6F2500451025	25.0	45	100	25	O	O

☆ WORK MATERAIL 被削材質

P-UEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
•	•	•	•	•

☆ TOLERANCES 公差

Blade diameter 刃徑範圍	Blade diameter tolerance 刃徑範圍公差	Shank diameter tolerance 柄徑範圍公差
Φ4.0~Φ6.4	-0.01~-0.03	H5
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

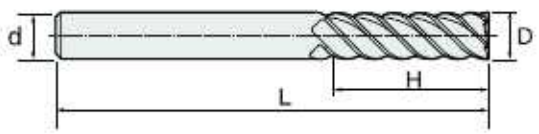
P-UEX Long flute 6 flutes square end mills

長刃型 6刃立銑刀









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
P-UEX6F04001607506	4.0	16	75	6	○	○
P-UEX6F05002007506	5.0	20	75	6	○	○
P-UEX6F06002507506	6.0	25	75	6	○	○
P-UEX6F08003007508	8.0	30	75	8	○	○
P-UEX6F04002010006	4.0	20	100	6	○	○
P-UEX6F05002510006	5.0	25	100	6	○	○
P-UEX6F06003010006	6.0	30	100	6	○	○
P-UEX6F08003510008	8.0	35	100	8	○	○
P-UEX6F10004010010	10.0	40	100	10	○	○
P-UEX6F12004510012	12.0	45	100	12	○	○
P-UEX6F08005015008	8.0	50	150	8	○	○
P-UEX6F10005015010	10.0	50	150	10	○	○
P-UEX6F12005015012	12.0	50	150	12	○	○
P-UEX6F16007015016	16.0	70	150	16	○	○
P-UEX6F20007015020	20.0	70	150	20	○	○
P-UEX6F25008015025	25.0	80	150	25	○	○

★ WORK MATERAIL 被削材质

P-UEX

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

★ TOLERANCES 公差

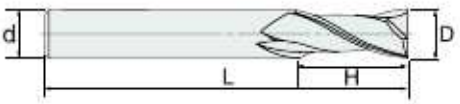
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ4.0~Φ6.4	-0.01~-0.03	h5
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-UEX 2 flutes square end mills

2刃立铣刀











Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
P-UEX2F01003005004	1.0	3	50	4	○	○
P-UEX2F01504005004	1.5	4	50	4	○	○
P-UEX2F02006005004	2.0	6	50	4	○	○
P-UEX2F02507005004	2.5	7	50	4	○	○
P-UEX2F03008005004	3.0	8	50	4	○	○
P-UEX2F03510005004	3.5	10	50	4	○	○
P-UEX2F04011005004	4.0	11	50	4	○	○
P-UEX2F01003005006	1.0	3	50	6	○	○
P-UEX2F01504005006	1.5	4	50	6	○	○
P-UEX2F02006005006	2.0	6	50	6	○	○
P-UEX2F02507005006	2.5	7	50	6	○	○
P-UEX2F03008005006	3.0	8	50	6	○	○
P-UEX2F03510005006	3.5	10	50	6	○	○
P-UEX2F04011005006	4.0	11	50	6	○	○
P-UEX2F04513005006	4.5	13	50	6	○	○
P-UEX2F05013005006	5.0	13	50	6	○	○
P-UEX2F05513005006	5.5	13	50	6	○	○
P-UEX2F06015005006	6.0	15	50	6	○	○
P-UEX2F06517006008	6.5	17	60	8	○	○
P-UEX2F07017006008	7.0	17	60	8	○	○
P-UEX2F07517006008	7.5	17	60	8	○	○
P-UEX2F08020006008	8.0	20	60	8	○	○
P-UEX2F08523007510	8.5	23	75	10	○	○
P-UEX2F09023007510	9.0	23	75	10	○	○
P-UEX2F09525007510	9.5	25	75	10	○	○
P-UEX2F10025007510	10.0	25	75	10	○	○
P-UEX2F10525007512	10.5	25	75	12	○	○
P-UEX2F11028007512	11.0	28	75	12	○	○
P-UEX2F11528007512	11.5	28	75	12	○	○
P-UEX2F12030007512	12.0	30	75	12	○	○
P-UEX2F13045010014	13.0	45	100	14	○	○
P-UEX2F14045010014	14.0	45	100	14	○	○
P-UEX2F15045010016	15.0	45	100	16	○	○
P-UEX2F16045010016	16.0	45	100	16	○	○
P-UEX2F17045010018	17.0	45	100	18	○	○
P-UEX2F18045010018	18.0	45	100	18	○	○
P-UEX2F19045010020	19.0	45	100	20	○	○
P-UEX2F20045010020	20.0	45	100	20	○	○
P-UEX2F22045010025	22.0	45	100	25	○	○
P-UEX2F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材质

P-UEX

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

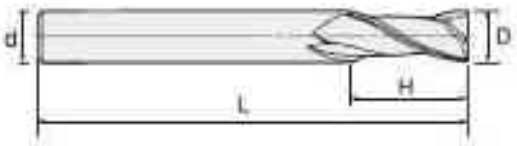
★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-UEX Long shank 2 flutes square end mills







Product Code	Blade diameter	Blade length	Full	Shank	Inventory	
					AL	AS
P-UEX2F01003007504	1.0	3	75	4	○	○
P-UEX2F01504507504	1.5	4.5	75	4	○	○
P-UEX2F02006007504	2.0	6	75	4	○	○
P-UEX2F02507007504	2.5	7	75	4	○	○
P-UEX2F03008007504	3.0	8	75	4	○	○
P-UEX2F03510007504	3.5	10	75	4	○	○
P-UEX2F04011007504	4.0	11	75	4	○	○
P-UEX2F04513007506	4.5	13	75	6	○	○
P-UEX2F05013007506	5.0	13	75	6	○	○
P-UEX2F05513007506	5.5	13	75	6	○	○
P-UEX2F06015007506	6.0	15	75	6	○	○
P-UEX2F06517007508	6.5	17	75	8	○	○
P-UEX2F07017007508	7.0	17	75	8	○	○
P-UEX2F07517007508	7.5	17	75	8	○	○
P-UEX2F08020007508	8.0	20	75	8	○	○
P-UEX2F03008010006	3.0	8	100	6	○	○
P-UEX2F04011010006	4.0	11	100	6	○	○
P-UEX2F05013010006	5.0	13	100	6	○	○
P-UEX2F06015010006	6.0	15	100	6	○	○
P-UEX2F07017010008	7.0	17	100	8	○	○
P-UEX2F08020010008	8.0	20	100	8	○	○
P-UEX2F09023010010	9.0	23	100	10	○	○
P-UEX2F10025010010	10.0	25	100	10	○	○
P-UEX2F11028010012	11.0	28	100	12	○	○
P-UEX2F12030010012	12.0	30	100	12	○	○
P-UEX2F08020015008	8.0	20	150	8	○	○
P-UEX2F10025015010	10.0	25	150	10	○	○
P-UEX2F12030015012	12.0	30	150	12	○	○
P-UEX2F16050019016	16.0	50	150	16	○	○
P-UEX2F18050015018	18.0	50	150	18	○	○
P-UEX2F20050015020	20.0	50	150	20	○	○
P-UEX2F16050020016	16.0	50	200	16	○	○
P-UEX2F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL

P-UEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铁类	铜合金	不锈钢
•	•	•	•	•

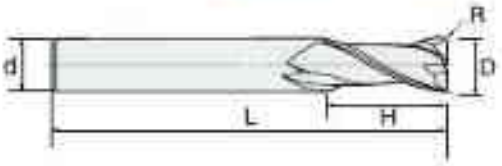
★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-UEX 2 flutes corner radius end mills











Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
P-UEX2F010R0203005004	1.0	0.2	3	50	4	○	○
P-UEX2F015R0204005004	1.5	0.2	4	50	4	○	○
P-UEX2F015R0504005004	1.5	0.5	4	50	4	○	○
P-UEX2F020R0206005004	2.0	0.2	6	50	4	○	○
P-UEX2F020R0506005004	2.0	0.5	6	50	4	○	○
P-UEX2F025R0208005004	2.5	0.2	8	50	4	○	○
P-UEX2F025R0508005004	2.5	0.5	8	50	4	○	○
P-UEX2F030R0208005004	3.0	0.2	8	50	4	○	○
P-UEX2F030R0508005004	3.0	0.5	8	50	4	○	○
P-UEX2F030R1008005004	3.0	1.0	8	50	4	○	○
P-UEX2F040R0211005004	4.0	0.2	11	50	4	○	○
P-UEX2F040R0511005004	4.0	0.5	11	50	4	○	○
P-UEX2F040R1011005004	4.0	1.0	11	50	4	○	○
P-UEX2F050R0513005006	5.0	0.5	13	50	6	○	○
P-UEX2F050R1013005006	5.0	1.0	13	50	6	○	○
P-UEX2F060R0215005006	6.0	0.2	15	50	6	○	○
P-UEX2F060R0515005006	6.0	0.5	15	50	6	○	○
P-UEX2F060R1015005006	6.0	1.0	15	50	6	○	○
P-UEX2F060R1515005006	6.0	1.5	15	50	6	○	○
P-UEX2F060R2015005006	6.0	2.0	15	50	6	○	○
P-UEX2F080R0520006008	8.0	0.5	20	60	8	○	○
P-UEX2F080R1020006008	8.0	1.0	20	60	8	○	○
P-UEX2F080R1520006008	8.0	1.5	20	60	8	○	○
P-UEX2F080R2020006008	8.0	2.0	20	60	8	○	○
P-UEX2F100R0525007510	10.0	0.5	25	75	10	○	○
P-UEX2F100R1025007510	10.0	1.0	25	75	10	○	○
P-UEX2F100R1525007510	10.0	1.5	25	75	10	○	○
P-UEX2F100R2025007510	10.0	2.0	25	75	10	○	○
P-UEX2F100R2525007510	10.0	2.5	25	75	10	○	○
P-UEX2F100R3025007510	10.0	3.0	25	75	10	○	○
P-UEX2F120R0530007512	12.0	0.5	30	75	12	○	○
P-UEX2F120R1030007512	12.0	1.0	30	75	12	○	○
P-UEX2F120R1530007512	12.0	1.5	30	75	12	○	○
P-UEX2F120R2030007512	12.0	2.0	30	75	12	○	○
P-UEX2F120R2530007512	12.0	2.5	30	75	12	○	○
P-UEX2F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL 被削材質

P-UEX

P20 S45C	SCM SK	FC FCD	CU	304
模具鋼	合金鋼	鑄鐵	銅合金	不銹鋼
•	•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

P-UEX Long shank 2 flutes corner radius end mills





B07

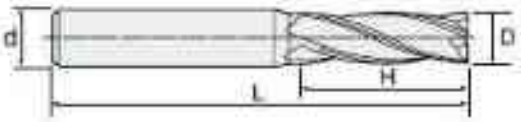
Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
P-UEX2F010R0203007504	1.0	0.2	3	75	4	O	O
P-UEX2F015R0204007504	1.5	0.2	4	75	4	O	O
P-UEX2F015R0504007504	1.5	0.5	4	75	4	O	O
P-UEX2F020R0206007504	2.0	0.2	6	75	4	O	O
P-UEX2F020R0506007504	2.0	0.5	6	75	4	O	O
P-UEX2F025R0208007504	2.5	0.2	8	75	4	O	O
P-UEX2F025R0508007504	2.5	0.5	8	75	4	O	O
P-UEX2F030R0208007504	3.0	0.2	8	75	4	O	O
P-UEX2F030R0508007504	3.0	0.5	8	75	4	O	O
P-UEX2F030R1008007504	3.0	1.0	8	75	4	O	O
P-UEX2F040R0211007504	4.0	0.2	11	75	4	O	O
P-UEX2F040R0511007504	4.0	0.5	11	75	4	O	O
P-UEX2F040R1011007504	4.0	1.0	11	75	4	O	O
P-UEX2F050R0513007506	5.0	0.5	13	75	6	O	O
P-UEX2F050R1013007506	5.0	1.0	13	75	6	O	O
P-UEX2F060R0215007506	6.0	0.2	15	75	6	O	O
P-UEX2F060R0515007506	6.0	0.5	15	75	6	O	O
P-UEX2F060R1015007506	6.0	1.0	15	75	6	O	O
P-UEX2F060R1515007506	6.0	1.5	15	75	6	O	O
P-UEX2F060R2015007506	6.0	2.0	15	75	6	O	O
P-UEX2F080R0520007508	8.0	0.5	20	75	8	O	O
P-UEX2F080R1020007508	8.0	1.0	20	75	8	O	O
P-UEX2F080R1520007508	8.0	1.5	20	75	8	O	O
P-UEX2F080R2020007508	8.0	2.0	20	75	8	O	O
P-UEX2F040R0211010006	4.0	0.2	11	100	6	O	O
P-UEX2F040R0511010006	4.0	0.5	11	100	6	O	O
P-UEX2F040R1011010006	4.0	1.0	11	100	6	O	O
P-UEX2F050R0513010006	5.0	0.5	13	100	6	O	O
P-UEX2F050R1013010006	5.0	1.0	13	100	6	O	O
P-UEX2F060R0215010006	6.0	0.2	15	100	6	O	O
P-UEX2F060R0515010006	6.0	0.5	15	100	6	O	O
P-UEX2F060R1015010006	6.0	1.0	15	100	6	O	O
P-UEX2F060R1515010006	6.0	1.5	15	100	6	O	O
P-UEX2F060R2015010006	6.0	2.0	15	100	6	O	O
P-UEX2F080R0520010008	8.0	0.5	20	100	8	O	O
P-UEX2F080R1020010008	8.0	1.0	20	100	8	O	O
P-UEX2F080R1520010008	8.0	1.5	20	100	8	O	O
P-UEX2F080R2020010008	8.0	2.0	20	100	8	O	O
P-UEX2F100R0525010010	10.0	0.5	25	100	10	O	O
P-UEX2F100R1025010010	10.0	1.0	25	100	10	O	O
P-UEX2F100R1525010010	10.0	1.5	25	100	10	O	O
P-UEX2F100R2025010010	10.0	2.0	25	100	10	O	O
P-UEX2F100R2525010010	10.0	2.5	25	100	10	O	O
P-UEX2F100R3025010010	10.0	3.0	25	100	10	O	O
P-UEX2F120R0530010012	12.0	0.5	30	100	12	O	O
P-UEX2F120R1030010012	12.0	1.0	30	100	12	O	O
P-UEX2F120R1530010012	12.0	1.5	30	100	12	O	O
P-UEX2F120R2030010012	12.0	2.0	30	100	12	O	O
P-UEX2F120R2530010012	12.0	2.5	30	100	12	O	O
P-UEX2F120R3030010012	12.0	3.0	30	100	12	O	O

■Special specifications can be customized ■特殊規格可訂製。

P-UEX 4 flutes square end mills







Product Code	Blade diameter	Blade length	Full	Shank	Inventory	
					AL	AS
P-UEX4F01003005004	1.0	3	50	4	○	○
P-UEX4F01504505004	1.5	4.5	50	4	○	○
P-UEX4F02006005004	2.0	6	50	4	○	○
P-UEX4F02507005004	2.5	7	50	4	○	○
P-UEX4F03008005004	3.0	8	50	4	○	○
P-UEX4F03510005004	3.5	10	50	4	○	○
P-UEX4F04011005004	4.0	11	50	4	○	○
P-UEX4F04513005006	4.5	13	50	6	○	○
P-UEX4F05013005006	5.0	13	50	6	○	○
P-UEX4F05513005006	5.5	13	50	6	○	○
P-UEX4F06015005006	6.0	15	50	6	○	○
P-UEX4F06517006008	6.5	17	60	8	○	○
P-UEX4F07017006008	7.0	17	60	8	○	○
P-UEX4F07517006008	7.5	17	60	8	○	○
P-UEX4F08020006008	8.0	20	60	8	○	○
P-UEX4F08523007510	8.5	23	75	10	○	○
P-UEX4F09023007510	9.0	23	75	10	○	○
P-UEX4F09525007510	9.5	25	75	10	○	○
P-UEX4F10025007510	10.0	25	75	10	○	○
P-UEX4F10525007512	10.5	25	75	12	○	○
P-UEX4F11028007512	11.0	28	75	12	○	○
P-UEX4F11528007512	11.5	28	75	12	○	○
P-UEX4F12030007512	12.0	30	75	14	○	○
P-UEX4F13045010014	13.0	45	100	14	○	○
P-UEX4F14045010014	14.0	45	100	14	○	○
P-UEX4F15045010016	15.0	45	100	16	○	○
P-UEX4F16045010016	16.0	45	100	16	○	○
P-UEX4F17045010018	17.0	45	100	18	○	○
P-UEX4F18045010018	18.0	45	100	18	○	○
P-UEX4F19045010020	19.0	45	100	20	○	○
P-UEX4F20045010020	20.0	45	100	20	○	○
P-UEX4F22045010025	22.0	45	100	25	○	○
P-UEX4F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL

P-UEX

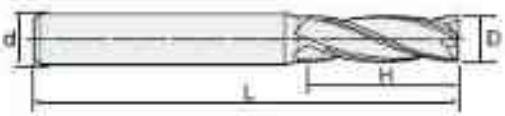
P20 S45C	SCM SK	FC FCD	CU	304
•	•	•	•	•

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-UEX Long shank 4 flutes square end mills









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
P-UEX4F01003007504	1.0	3	75	4	○	○
P-UEX4F01504507504	1.5	4.5	75	4	○	○
P-UEX4F02006007504	2.0	6	75	4	○	○
P-UEX4F02507007504	2.5	7	75	4	○	○
P-UEX4F03008007504	3.0	8	75	4	○	○
P-UEX4F03510007504	3.5	10	75	4	○	○
P-UEX4F04011007504	4.0	11	75	4	○	○
P-UEX4F04513007506	4.5	13	75	6	○	○
P-UEX4F05013007506	5.0	13	75	6	○	○
P-UEX4F05513007506	5.5	13	75	6	○	○
P-UEX4F06015007506	6.0	15	75	6	○	○
P-UEX4F06517007508	6.5	17	75	8	○	○
P-UEX4F07017007508	7.0	17	75	8	○	○
P-UEX4F07517007508	7.5	17	75	8	○	○
P-UEX4F08020007508	8.0	20	75	8	○	○
P-UEX4F03008010006	3.0	8	100	6	○	○
P-UEX4F04011010006	4.0	11	100	6	○	○
P-UEX4F05013010006	5.0	13	100	6	○	○
P-UEX4F06015010006	6.0	15	100	6	○	○
P-UEX4F07017010008	7.0	17	100	8	○	○
P-UEX4F08020010008	8.0	20	100	8	○	○
P-UEX4F09023010010	9.0	23	100	10	○	○
P-UEX4F10025010010	10.0	25	100	10	○	○
P-UEX4F11028010012	11.0	28	100	12	○	○
P-UEX4F12030010012	12.0	30	100	12	○	○
P-UEX4F08020015008	8.0	20	150	8	○	○
P-UEX4F10025015010	10.0	25	150	10	○	○
P-UEX4F12030015012	12.0	30	150	12	○	○
P-UEX4F16050015016	16.0	50	150	16	○	○
P-UEX4F18050015018	18.0	50	150	18	○	○
P-UEX4F20050015020	20.0	50	150	20	○	○
P-UEX4F16050020016	16.0	50	200	16	○	○
P-UEX4F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL 被削材質

P-UEX

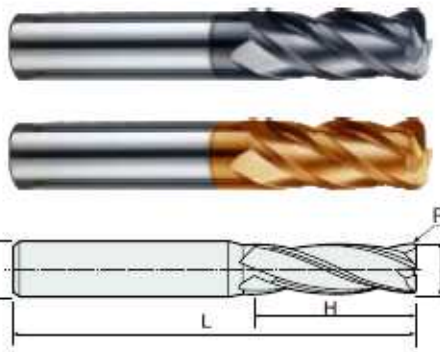
P20 S45C 碳素鋼	SCM SK 合金鋼	FC FCD 鑄鐵	CU 銅合金	304 不銹鋼
•	•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-UEX 4 flutes corner radius end mills

圓鼻 4刃立銑刀





UMG | 0.5 μm | CO10% | HRC-60 | AlTiNL | AlTiNS

Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
P-UEX4F010R0203005004	1.0	0.2	3	50	4	○	○
P-UEX4F015R0204005004	1.5	0.2	4	50	4	○	○
P-UEX4F015R0504005004	1.5	0.5	4	50	4	○	○
P-UEX4F020R0206005004	2.0	0.2	6	50	4	○	○
P-UEX4F020R0506005004	2.0	0.5	6	50	4	○	○
P-UEX4F025R0208005004	2.5	0.2	8	50	4	○	○
P-UEX4F025R0508005004	2.5	0.5	8	50	4	○	○
P-UEX4F030R0208005004	3.0	0.2	8	50	4	○	○
P-UEX4F030R0508005004	3.0	0.5	8	50	4	○	○
P-UEX4F030R1008005004	3.0	1.0	8	50	4	○	○
P-UEX4F040R0211005004	4.0	0.2	11	50	4	○	○
P-UEX4F040R0511005004	4.0	0.5	11	50	4	○	○
P-UEX4F040R1011005004	4.0	1.0	11	50	4	○	○
P-UEX4F050R0513005006	5.0	0.5	13	50	6	○	○
P-UEX4F050R1013005006	5.0	1.0	13	50	6	○	○
P-UEX4F060R0215005006	6.0	0.2	15	50	6	○	○
P-UEX4F060R0515005006	6.0	0.5	15	50	6	○	○
P-UEX4F060R1015005006	6.0	1.0	15	50	6	○	○
P-UEX4F060R1515005006	6.0	1.5	15	50	6	○	○
P-UEX4F060R2015005006	6.0	2.0	15	50	6	○	○
P-UEX4F080R0520006008	8.0	0.5	20	60	8	○	○
P-UEX4F080R1020006008	8.0	1.0	20	60	8	○	○
P-UEX4F080R1520006008	8.0	1.5	20	60	8	○	○
P-UEX4F080R2020006008	8.0	2.0	20	60	8	○	○
P-UEX4F100R0525007510	10.0	0.5	25	75	10	○	○
P-UEX4F100R1025007510	10.0	1.0	25	75	10	○	○
P-UEX4F100R1525007510	10.0	1.5	25	75	10	○	○
P-UEX4F100R2025007510	10.0	2.0	25	75	10	○	○
P-UEX4F100R2525007510	10.0	2.5	25	75	10	○	○
P-UEX4F100R3025007510	10.0	3.0	25	75	10	○	○
P-UEX4F120R0530007512	12.0	0.5	30	75	12	○	○
P-UEX4F120R1030007512	12.0	1.0	30	75	12	○	○
P-UEX4F120R1530007512	12.0	1.5	30	75	12	○	○
P-UEX4F120R2030007512	12.0	2.0	30	75	12	○	○
P-UEX4F120R2530007512	12.0	2.5	30	75	12	○	○
P-UEX4F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL 被削材質

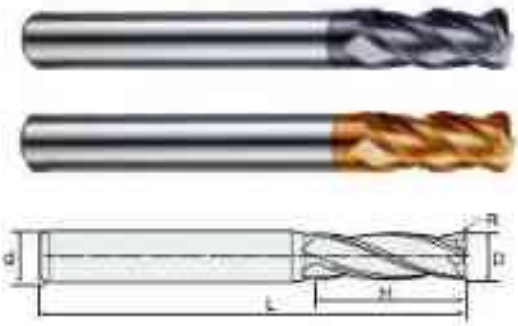
P-UEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

P-UEX Long shank 4 flutes corner radius end mills





Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
P-UEX4F010R0203007504	1.0	0.2	3	75	4	○	○
P-UEX4F015R0204007504	1.5	0.2	4	75	4	○	○
P-UEX4F015R0504007504	1.5	0.5	4	75	4	○	○
P-UEX4F020R0206007504	2.0	0.2	6	75	4	○	○
P-UEX4F020R0506007504	2.0	0.5	6	75	4	○	○
P-UEX4F025R0208007504	2.5	0.2	8	75	4	○	○
P-UEX4F025R0508007504	2.5	0.5	8	75	4	○	○
P-UEX4F030R0208007504	3.0	0.2	8	75	4	○	○
P-UEX4F030R0508007504	3.0	0.5	8	75	4	○	○
P-UEX4F030R1008007504	3.0	1.0	8	75	4	○	○
P-UEX4F040R0211007504	4.0	0.2	11	75	4	○	○
P-UEX4F040R0511007504	4.0	0.5	11	75	4	○	○
P-UEX4F040R1011007504	4.0	1.0	11	75	4	○	○
P-UEX4F050R0513007506	5.0	0.5	13	75	6	○	○
P-UEX4F050R1013007506	5.0	1.0	13	75	6	○	○
P-UEX4F060R0215007506	6.0	0.2	15	75	6	○	○
P-UEX4F060R0515007506	6.0	0.5	15	75	6	○	○
P-UEX4F060R1015007506	6.0	1.0	15	75	6	○	○
P-UEX4F060R1515007506	6.0	1.5	15	75	6	○	○
P-UEX4F060R2015007506	6.0	2.0	15	75	6	○	○
P-UEX4F080R0520007508	8.0	0.5	20	75	8	○	○
P-UEX4F080R1020007508	8.0	1.0	20	75	8	○	○
P-UEX4F080R1520007508	8.0	1.5	20	75	8	○	○
P-UEX4F080R2020007508	8.0	2.0	20	75	8	○	○
P-UEX4F040R0211010006	4.0	0.2	11	100	6	○	○
P-UEX4F040R0511010006	4.0	0.5	11	100	6	○	○
P-UEX4F040R1011010006	4.0	1.0	11	100	6	○	○
P-UEX4F050R0513010006	5.0	0.5	13	100	6	○	○
P-UEX4F050R1013010006	5.0	1.0	13	100	6	○	○
P-UEX4F060R0215010006	6.0	0.2	15	100	6	○	○
P-UEX4F060R0515010006	6.0	0.5	15	100	6	○	○
P-UEX4F060R1015010006	6.0	1.0	15	100	6	○	○
P-UEX4F060R1515010006	6.0	1.5	15	100	6	○	○
P-UEX4F060R2015010006	6.0	2.0	15	100	6	○	○
P-UEX4F080R0520010008	8.0	0.5	20	100	8	○	○
P-UEX4F080R1020010008	8.0	1.0	20	100	8	○	○
P-UEX4F080R1520010008	8.0	1.5	20	100	8	○	○
P-UEX4F080R2020010008	8.0	2.0	20	100	8	○	○
P-UEX4F100R0525010010	10.0	0.5	25	100	10	○	○
P-UEX4F100R1025010010	10.0	1.0	25	100	10	○	○
P-UEX4F100R1525010010	10.0	1.5	25	100	10	○	○
P-UEX4F100R2025010010	10.0	2.0	25	100	10	○	○
P-UEX4F100R2525010010	10.0	2.5	25	100	10	○	○
P-UEX4F100R3025010010	10.0	3.0	25	100	10	○	○
P-UEX4F120R0530010012	12.0	0.5	30	100	12	○	○
P-UEX4F120R1030010012	12.0	1.0	30	100	12	○	○
P-UEX4F120R1530010012	12.0	1.5	30	100	12	○	○
P-UEX4F120R2030010012	12.0	2.0	30	100	12	○	○
P-UEX4F120R2530010012	12.0	2.5	30	100	12	○	○
P-UEX4F120R3030010012	12.0	3.0	30	100	12	○	○

■Special specifications can be customized. ■

P-UEX 2 flutes ball nose end mills

2刃球型立銑刀







B12

Product Code 產品編號	R Blade 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
P-UEX2FR005002005004	R0.50	2.0	50	4	○	○
P-UEX2FR007503005004	R0.75	3.0	50	4	○	○
P-UEX2FR010004005004	R1.00	4.0	50	4	○	○
P-UEX2FR012505005004	R1.25	5.0	50	4	○	○
P-UEX2FR015006005004	R1.50	6.0	50	4	○	○
P-UEX2FR017507005004	R1.75	7.0	50	4	○	○
P-UEX2FR020008005004	R2.00	8.0	50	4	○	○
P-UEX2FR005002005006	R0.50	2.0	50	6	○	○
P-UEX2FR007503005006	R0.75	3.0	50	6	○	○
P-UEX2FR010004005006	R1.00	4.0	50	6	○	○
P-UEX2FR012505005006	R1.25	5.0	50	6	○	○
P-UEX2FR015006005006	R1.50	6.0	50	6	○	○
P-UEX2FR017507005006	R1.75	7.0	50	6	○	○
P-UEX2FR020008005006	R2.00	8.0	50	6	○	○
P-UEX2FR022509005006	R2.25	9.0	50	6	○	○
P-UEX2FR025010005006	R2.50	10.0	50	6	○	○
P-UEX2FR027511005006	R2.75	11.0	50	6	○	○
P-UEX2FR030012005006	R3.00	12.0	50	6	○	○
P-UEX2FR032513006008	R3.25	13.0	60	8	○	○
P-UEX2FR035014006008	R3.50	14.0	60	8	○	○
P-UEX2FR037515006008	R3.75	15.0	60	8	○	○
P-UEX2FR040016006008	R4.00	16.0	60	8	○	○
P-UEX2FR045018007510	R4.50	18.0	75	10	○	○
P-UEX2FR050020007510	R5.00	20.0	75	10	○	○
P-UEX2FR060024007512	R6.00	24.0	75	12	○	○
P-UEX2FR070028010014	R7.00	28.0	100	14	○	○
P-UEX2FR080032010016	R8.00	32.0	100	16	○	○
P-UEX2FR090036010018	R9.00	36.0	100	18	○	○
P-UEX2FR100040010020	R10.0	40.0	100	20	○	○
P-UEX2FR125050010025	R12.5	50.0	100	25	○	○

★ WORK MATERAIL 被削材質

P-UEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

R	R diameter tolerance
R	R±0.015

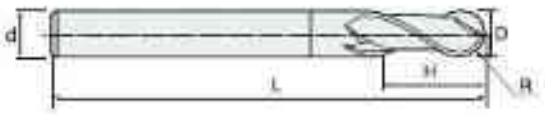
★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-UEX Long shank 2 flutes ball nose end mills







Product Code	R Blade	Blade length	Full	Shank	Inventory	
					AL	AS
P-UEX2FR005002007504	R0.50	2	75	4	○	○
P-UEX2FR007503007504	R0.75	3	75	4	○	○
P-UEX2FR010004007504	R1.00	4	75	4	○	○
P-UEX2FR012505007504	R1.25	5	75	4	○	○
P-UEX2FR015006007504	R1.50	6	75	4	○	○
P-UEX2FR017507007504	R1.75	7	75	4	○	○
P-UEX2FR020008007504	R2.00	8	75	4	○	○
P-UEX2FR022509007506	R2.25	9	75	6	○	○
P-UEX2FR025010007506	R2.50	10	75	6	○	○
P-UEX2FR027511007506	R2.75	11	75	6	○	○
P-UEX2FR030012007506	R3.00	12	75	6	○	○
P-UEX2FR040016007508	R4.00	16	75	8	○	○
P-UEX2FR005002010006	R0.50	2	100	6	○	○
P-UEX2FR007503010006	R0.75	3	100	6	○	○
P-UEX2FR010004010006	R1.00	4	100	6	○	○
P-UEX2FR012505010006	R1.25	5	100	6	○	○
P-UEX2FR015006010006	R1.50	6	100	6	○	○
P-UEX2FR017507010006	R1.75	7	100	6	○	○
P-UEX2FR020008010006	R2.00	8	100	6	○	○
P-UEX2FR022509010006	R2.25	9	100	6	○	○
P-UEX2FR025010010006	R2.50	10	100	6	○	○
P-UEX2FR027511010006	R2.75	11	100	6	○	○
P-UEX2FR030012010006	R3.00	12	100	6	○	○
P-UEX2FR040016010008	R4.00	16	100	8	○	○
P-UEX2FR050020010010	R5.00	20	100	10	○	○
P-UEX2FR060024010012	R6.00	24	100	12	○	○
P-UEX2FR030012015006	R3.00	12	150	6	○	○
P-UEX2FR040016015008	R4.00	16	150	8	○	○
P-UEX2FR050020015010	R5.00	20	150	10	○	○
P-UEX2FR060024015012	R6.00	24	150	12	○	○
P-UEX2FR070028015014	R7.00	28	150	14	○	○
P-UEX2FR080032015016	R8.00	32	150	16	○	○
P-UEX2FR100040015020	R10.00	40	150	20	○	○
P-UEX2FR040016020008	R4.00	16	200	8	○	○
P-UEX2FR050020020010	R5.00	20	200	10	○	○
P-UEX2FR060024020012	R6.00	24	200	12	○	○
P-UEX2FR070028020014	R7.00	28	200	14	○	○
P-UEX2FR080032020016	R8.00	32	200	16	○	○
P-UEX2FR100040020020	R10.00	40	200	20	○	○

★ WORK MATERAIL

P-UEX

P20 S45C	SCM SK	FC FCD	CU	304
●	●	●	●	●

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-UEX4 flutes high strength flat end mills

四刃强力平底铣刀







UMG | 0.5 μm | CO10% | HRC-60 | AlTiNL | AlTiNS

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
P-UEX4F01001502505004	1.0	1.5	2.5	50	4	○	○
P-UEX4F02003005005004	2.0	3.0	5.0	50	4	○	○
P-UEX4F03004507505006	3.0	4.5	7.5	50	6	○	○
P-UEX4F04006010005006	4.0	6.0	10.0	50	6	○	○
P-UEX4F05007512505006	5.0	7.5	12.5	50	6	○	○
P-UEX4F06009015005006	6.0	9.0	15.0	50	6	○	○
P-UEX4F08012020006008	8.0	12.0	20.0	60	8	○	○
P-UEX4F10015025075010	10.0	15.0	25.0	75	10	○	○
P-UEX4F12018030075012	12.0	18.0	30.0	75	12	○	○
P-UEX4F16024040100016	16.0	24.0	40.0	100	16	○	○
P-UEX4F20030050100020	20.0	30.0	50.0	100	20	○	○

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
P-UEX4F1/8-B	1/8	5/32	1 /2	2-1/2	1/4	○	○
P-UEX4F3/16-B	3/16	7/32	3/4	2-1/2	1/4	○	○
P-UEX4F1/4-B	1/4	9/32	3/4	2-1/2	1/4	○	○
P-UEX4F5/16-B	5/16	13/32	1	2-1/2	5/16	○	○
P-UEX4F3/8-B	3/8	15/32	1	2-1/2	3/8	○	○
P-UEX4F1/2-B	1/2	5/8	1-1/4	3	1/2	○	○
P-UEX4F5/8-B	5/8	3/4	1-1/2	3-1/2	5/8	○	○
P-UEX4F3/4-B	3/4	15/16	1-3/4	4	3/4	○	○

★ WORK MATERAIL 被削材质

P-UEX

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

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差
Φ ≤12.0	0--0.02
Φ >12.0	0--0.03

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 45	HRC 55	HRC 60
Vc	160M/min	150M/min	99M/min

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



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

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

P-UEX 2 flutes high strength ball nose end mills

二刃强力球頭銑刀









Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
							AL	AS
P-UEX2FR0050100100205004	0.50R	1.0	1.0	2	50	4	○	○
P-UEX2FR0075150150305004	0.75R	1.5	1.5	3	50	4	○	○
P-UEX2FR0100200200405006	1.00R	2.0	2.0	4	50	6	○	○
P-UEX2FR0150300300605006	1.50R	3.0	3.0	6	50	6	○	○
P-UEX2FR0200400400805006	2.00R	4.0	4.0	8	50	6	○	○
P-UEX2FR0250500501005006	2.50R	5.0	5.0	10	50	6	○	○
P-UEX2FR0300600601205006	3.00R	6.0	6.0	12	50	6	○	○
P-UEX2FR0400800801606008	4.00R	8.0	8.0	16	60	8	○	○
P-UEX2FR0501001002007510	5.00R	10.0	10.0	20	75	10	○	○
P-UEX2FR0601201202407512	6.00R	12.0	12.0	24	75	12	○	○
P-UEX2FR0801601603210016	8.00R	16.0	16.0	32	100	16	○	○

★ WORK MATERAIL 被削材质

P-UEX

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

★ TOLERANCES 公差

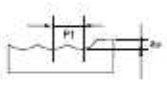
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差
Φ ≤ 12.0	R ± 0.01
Φ > 12.0	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 45	HRC 55	HRC 60
Vc	190M/min	175M/min	95M/min

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

Milling amount (mm)

	ap	Pf
R≤8	0.02D	0.1D
R>8	0.32mm	0.1D

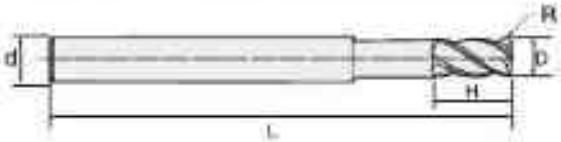


The feed & RPM may be changed depending on the M/C Conditions,Lubricating & Cooling systems.

P-UEX 4 flutes high strength corner radius end mills

四刃强力高圆鼻刀







UMG | 0.5μm | CO12% | HRC-60 | AlTiNL | AlTiNS

Product Code 商品编號	Radius 半径	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存 AL	Inventory 库存 AS
P-UEX4F030R01003005006	0.1R	3	3	7.5	50	6	○	○
P-UEX4F030R05003005006	0.5R	3	3	7.5	50	6	○	○
P-UEX4F040R02004005006	0.2R	4	4	10.0	50	6	○	○
P-UEX4F040R05004005006	0.5R	4	4	10.0	50	6	○	○
P-UEX4F050R02005005006	0.2R	5	5	12.5	50	6	○	○
P-UEX4F050R05005005006	0.5R	5	5	12.5	50	6	○	○
P-UEX4F060R02006005006	0.2R	6	6	15.0	50	6	○	○
P-UEX4F060R05006005006	0.5R	6	6	15.0	50	6	○	○
P-UEX4F060R10006005006	1.0R	6	6	15.0	50	6	○	○
P-UEX4F080R03008006008	0.3R	8	8	20.0	60	8	○	○
P-UEX4F080R05008006008	0.5R	8	8	20.0	60	8	○	○
P-UEX4F080R10008006008	1.0R	8	8	20.0	60	8	○	○
P-UEX4F080R15008006008	1.5R	8	8	20.0	60	8	○	○
P-UEX4F100R03010007510	0.3R	10	10	25.0	75	10	○	○
P-UEX4F100R05010007510	0.5R	10	10	25.0	75	10	○	○
P-UEX4F100R10010007510	1.0R	10	10	25.0	75	10	○	○
P-UEX4F100R15010007510	1.5R	10	10	25.0	75	10	○	○
P-UEX4F100R20010007510	2.0R	10	10	25.0	75	10	○	○
P-UEX4F120R03012007512	0.3R	12	12	30.0	75	12	○	○
P-UEX4F120R05012007512	0.5R	12	12	30.0	75	12	○	○
P-UEX4F120R10012007512	1.0R	12	12	30.0	75	12	○	○
P-UEX4F120R15012007512	1.5R	12	12	30.0	75	12	○	○
P-UEX4F120R20012007512	2.0R	12	12	30.0	75	12	○	○

★ WORK MATERAIL 被削材质

P-UEX

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

★ TOLERANCES 公差

Blade diameter 刃径直径	Blade diameter tolerance 刃径直径公差
Φ ≤ 12.0	0--0.02
Φ > 12.0	0--0.03

R	R diameter tolerance
R	R ± 0.015

Working material 被切材质	Hardened steel 淬火钢		Hardened steel 淬火钢		Hardened steel 淬火钢	
Material code 材质编辑	SKT,SKD		SKT,SKD		SKT,SKD	
Hardness grade 硬度等级	HRC 35		HRC 45		HRC 55	
Vc	110M/min		95M/min		79M/min	
Diameter 直径	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
3MM	1,1800	1,150	10,000	930	8,400	500
4MM	8,800	1,070	7,600	780	6,300	460
5MM	7,000	890	6,000	730	5,000	420
6MM	5,900	810	5,000	660	4,200	400
8MM	4,400	830	3,800	610	3,200	400
10MM	3,500	830	3,000	610	2,550	400
12MM	2,900	830	2,500	610	2,100	400

Milling amount (mm)

	Ae	Ar
D < 0.5	0.10	0.010
0.5 < D	0.10	0.020



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

P-HEX

Suitable for processing 50°-60° hardened precision mould steel ,stainless steel spare parts

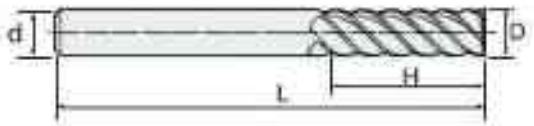
适合加工50°-60°度加硬精密，模具钢，精密加硬不锈钢零件

德国进口材质	German imported material
瑞士纳米涂层技术	Swiss nano-coating technology
超高精度定制	Ultra high precision customization
红外3D检测	Infrared 3D detection
新型独特刃部设计	New unique flute design



P-HEX 6 flutes square end mills





Product Code	Blade diameter	Blade length	Full	Shank	Inventory
PHEX6F04001105006	4.0	11	50	6	O
PHEX6F05001305006	5.0	13	50	6	O
PHEX6F06001505006	6.0	15	50	6	O
PHEX6F08002006008	8.0	20	60	8	O
PHEX6F10002507S10	10.0	25	75	10	O
PHEX6F12003007S12	12.0	30	75	12	O
PHEX6F16004010016	16.0	40	100	16	O
PHEX6F20004010020	20.0	40	100	20	O
PHEX6F25004510025	25.0	45	100	25	O

☆ WORK MATERAIL

P-HEX

P20 S45C	SCM SK	SKT SKD	S316
•	•	•	•

☆ TOLERANCES

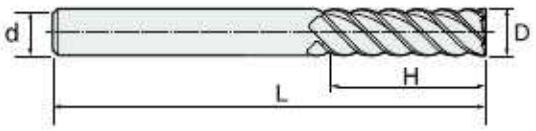
Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ4.0~Φ6.4	-0.01~-0.03	H5
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-HEX Long flute 6 flutes square end mills

長刃型 6刃立銑刀







UMG | 0.5 μm | CO10% | HRC-65 | AITINS

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX6F04001607506	4.0	16	75	6	○
PHEX6F05002007506	5.0	20	75	6	○
PHEX6F06002507506	6.0	25	75	6	○
PHEX6F08003007508	8.0	30	75	8	○
PHEX6F04002010006	4.0	20	100	6	○
PHEX6F05002510006	5.0	25	100	6	○
PHEX6F06003010006	6.0	30	100	6	○
PHEX6F08003510008	8.0	35	100	8	○
PHEX6F10004010010	10.0	40	100	10	○
PHEX6F12004510012	12.0	45	100	12	○
PHEX6F08005015008	8.0	50	150	8	○
PHEX6F10005015010	10.0	50	150	10	○
PHEX6F12005015012	12.0	50	150	12	○
PHEX6F16007015016	16.0	70	150	16	○
PHEX6F20007015020	20.0	70	150	20	○
PHEX6F25008015025	25.0	80	150	25	○

★ WORK MATERAIL 被削材质

P-HEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ4.0~Φ6.4	-0.01~-0.03	H5
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-HEX 2 flutes square end mills

2刃立铣刀









B20

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
PHEX2F01003005004	1.0	3	50	4	○
PHEX2F01504005004	1.5	4	50	4	○
PHEX2F02006005004	2.0	6	50	4	○
PHEX2F02507005004	2.5	7	50	4	○
PHEX2F03008005004	3.0	8	50	4	○
PHEX2F03510005004	3.5	10	50	4	○
PHEX2F04011005004	4.0	11	50	4	○
PHEX2F01003005006	1.0	3	50	6	○
PHEX2F01504005006	1.5	4	50	6	○
PHEX2F02006005006	2.0	6	50	6	○
PHEX2F02507005006	2.5	7	50	6	○
PHEX2F03008005006	3.0	8	50	6	○
PHEX2F03510005006	3.5	10	50	6	○
PHEX2F04011005006	4.0	11	50	6	○
PHEX2F04513005006	4.5	13	50	6	○
PHEX2F05013005006	5.0	13	50	6	○
PHEX2F05513005006	5.5	13	50	6	○
PHEX2F06015005006	6.0	15	50	6	○
PHEX2F06517006008	6.5	17	60	8	○
PHEX2F07017006008	7.0	17	60	8	○
PHEX2F07517006008	7.5	17	60	8	○
PHEX2F08020006008	8.0	20	60	8	○
PHEX2F08523007510	8.5	23	75	10	○
PHEX2F09023007510	9.0	23	75	10	○
PHEX2F09525007510	9.5	25	75	10	○
PHEX2F10025007510	10.0	25	75	10	○
PHEX2F10525007512	10.5	25	75	12	○
PHEX2F11028007512	11.0	28	75	12	○
PHEX2F11528007512	11.5	28	75	12	○
PHEX2F12030007512	12.0	30	75	12	○
PHEX2F13045010014	13.0	45	100	14	○
PHEX2F14045010014	14.0	45	100	14	○
PHEX2F15045010016	15.0	45	100	16	○
PHEX2F16045010016	16.0	45	100	16	○
PHEX2F17045010018	17.0	45	100	18	○
PHEX2F18045010018	18.0	45	100	18	○
PHEX2F19045010020	19.0	45	100	20	○
PHEX2F20045010020	20.0	45	100	20	○
PHEX2F22045010025	22.0	45	100	25	○
PHEX2F25045010025	25.0	45	100	25	○

★ WORK MATERAIL 被削材质

P-HEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-HEX Long shank 2 flutes square end mills







Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
PHEX2F01003007504	1.0	3	75	4	○
PHEX2F01504507504	1.5	4.5	75	4	○
PHEX2F02006007504	2.0	6	75	4	○
PHEX2F02507007504	2.5	7	75	4	○
PHEX2F03008007504	3.0	8	75	4	○
PHEX2F03510007504	3.5	10	75	4	○
PHEX2F04011007504	4.0	11	75	4	○
PHEX2F04513007506	4.5	13	75	6	○
PHEX2F05013007506	5.0	13	75	6	○
PHEX2F05513007506	5.5	13	75	6	○
PHEX2F06015007506	6.0	15	75	6	○
PHEX2F06517007508	6.5	17	75	8	○
PHEX2F07017007508	7.0	17	75	8	○
PHEX2F07517007508	7.5	17	75	8	○
PHEX2F08020007508	8.0	20	75	8	○
PHEX2F03008010006	3.0	8	100	6	○
PHEX2F04011010006	4.0	11	100	6	○
PHEX2F05013010006	5.0	13	100	6	○
PHEX2F06015010006	6.0	15	100	6	○
PHEX2F07017010008	7.0	17	100	8	○
PHEX2F08020010008	8.0	20	100	8	○
PHEX2F09023010010	9.0	23	100	10	○
PHEX2F10025010010	10.0	25	100	10	○
PHEX2F11028010012	11.0	28	100	12	○
PHEX2F12030010012	12.0	30	100	12	○
PHEX2F08020015008	8.0	20	150	8	○
PHEX2F10025015010	10.0	25	150	10	○
PHEX2F12030015012	12.0	30	150	12	○
PHEX2F16050015016	16.0	50	150	16	○
PHEX2F18050015018	18.0	50	150	18	○
PHEX2F20050015020	20.0	50	150	20	○
PHEX2F16050020016	16.0	50	200	16	○
PHEX2F20050020020	20.0	50	200	20	○

★ WORK MATERAIL 被削材质

P-HEX

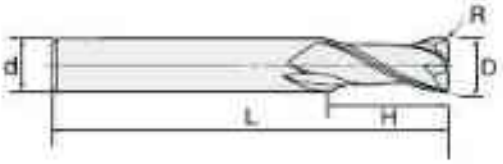
P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-HEX 2 flutes corner radius end mills







Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX2F010R0203005004	1.0	0.2	3	50	4	O
PHEX2F015R0204005004	1.5	0.2	4	50	4	O
PHEX2F015R0504005004	1.5	0.5	4	50	4	O
PHEX2F020R0206005004	2.0	0.2	6	50	4	O
PHEX2F020R0506005004	2.0	0.5	6	50	4	O
PHEX2F025R0208005004	2.5	0.2	8	50	4	O
PHEX2F025R0508005004	2.5	0.5	8	50	4	O
PHEX2F030R0208005004	3.0	0.2	8	50	4	O
PHEX2F030R0508005004	3.0	0.5	8	50	4	O
PHEX2F030R1008005004	3.0	1.0	8	50	4	O
PHEX2F040R0211005004	4.0	0.2	11	50	4	O
PHEX2F040R0511005004	4.0	0.5	11	50	4	O
PHEX2F040R1011005004	4.0	1.0	11	50	4	O
PHEX2F050R0513005006	5.0	0.5	13	50	6	O
PHEX2F050R1013005006	5.0	1.0	13	50	6	O
PHEX2F060R0215005006	6.0	0.2	15	50	6	O
PHEX2F060R0515005006	6.0	0.5	15	50	6	O
PHEX2F060R1015005006	6.0	1.0	15	50	6	O
PHEX2F060R1515005006	6.0	1.5	15	50	6	O
PHEX2F060R2015005006	6.0	2.0	15	50	6	O
PHEX2F080R0520006008	8.0	0.5	20	60	8	O
PHEX2F080R1020006008	8.0	1.0	20	60	8	O
PHEX2F080R1520006008	8.0	1.5	20	60	8	O
PHEX2F080R2020006008	8.0	2.0	20	60	8	O
PHEX2F100R0525007510	10.0	0.5	25	75	10	O
PHEX2F100R1025007510	10.0	1.0	25	75	10	O
PHEX2F100R1525007510	10.0	1.5	25	75	10	O
PHEX2F100R2025007510	10.0	2.0	25	75	10	O
PHEX2F100R2525007510	10.0	2.5	25	75	10	O
PHEX2F100R3025007510	10.0	3.0	25	75	10	O
PHEX2F120R0530007512	12.0	0.5	30	75	12	O
PHEX2F120R1030007512	12.0	1.0	30	75	12	O
PHEX2F120R1530007512	12.0	1.5	30	75	12	O
PHEX2F120R2030007512	12.0	2.0	30	75	12	O
PHEX2F120R2530007512	12.0	2.5	30	75	12	O
PHEX2F120R3030007512	12.0	3.0	30	75	12	O

★ WORK MATERAIL 被削材質

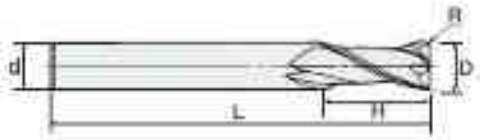
P-HEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	







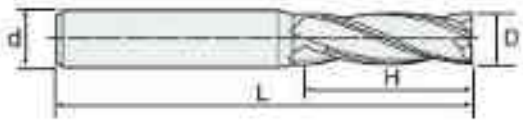
Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory
PHEX2F010R0203007S04	1.0	0.2	3	75	4	O
PHEX2F015R0204007S04	1.5	0.2	4	75	4	O
PHEX2F015R0504007S04	1.5	0.5	4	75	4	O
PHEX2F020R0206007S04	2.0	0.2	6	75	4	O
PHEX2F020R0506007S04	2.0	0.5	6	75	4	O
PHEX2F025R0208007S04	2.5	0.2	8	75	4	O
PHEX2F025R0508007S04	2.5	0.5	8	75	4	O
PHEX2F030R0208007S04	3.0	0.2	8	75	4	O
PHEX2F030R0508007S04	3.0	0.5	8	75	4	O
PHEX2F030R1008007S04	3.0	1.0	8	75	4	O
PHEX2F040R0211007S04	4.0	0.2	11	75	4	O
PHEX2F040R0511007S04	4.0	0.5	11	75	4	O
PHEX2F040R1011007S04	4.0	1.0	11	75	4	O
PHEX2F050R0511007S06	5.0	0.5	11	75	6	O
PHEX2F050R1013007S06	5.0	1.0	13	75	6	O
PHEX2F060R0215007S06	6.0	0.2	15	75	6	O
PHEX2F060R0515007S06	6.0	0.5	15	75	6	O
PHEX2F060R1015007S06	6.0	1.0	15	75	6	O
PHEX2F060R1515007S06	6.0	1.5	15	75	6	O
PHEX2F060R2015007S06	6.0	2.0	15	75	6	O
PHEX2F080R0520007S08	8.0	0.5	20	75	8	O
PHEX2F080R1020007S08	8.0	1.0	20	75	8	O
PHEX2F080R1520007S08	8.0	1.5	20	75	8	O
PHEX2F080R2020007S08	8.0	2.0	20	75	8	O
PHEX2F040R0211010006	4.0	0.2	11	100	6	O
PHEX2F040R0511010006	4.0	0.5	11	100	6	O
PHEX2F040R1011010006	4.0	1.0	11	100	6	O
PHEX2F050R0513010006	5.0	0.5	13	100	6	O
PHEX2F050R1013010006	5.0	1.0	13	100	6	O
PHEX2F060R0215010006	6.0	0.2	15	100	6	O
PHEX2F060R0515010006	6.0	0.5	15	100	6	O
PHEX2F060R1015010006	6.0	1.0	15	100	6	O
PHEX2F060R1515010006	6.0	1.5	15	100	6	O
PHEX2F060R2015010006	6.0	2.0	15	100	6	O
PHEX2F080R0520010008	8.0	0.5	20	100	8	O
PHEX2F080R1020010008	8.0	1.0	20	100	8	O
PHEX2F080R1520010008	8.0	1.5	20	100	8	O
PHEX2F080R2020010008	8.0	2.0	20	100	8	O
PHEX2F100R0525010010	10.0	0.5	25	100	10	O
PHEX2F100R1025010010	10.0	1.0	25	100	10	O
PHEX2F100R1525010010	10.0	1.5	25	100	10	O
PHEX2F100R2025010010	10.0	2.0	25	100	10	O
PHEX2F100R2525010010	10.0	2.5	25	100	10	O
PHEX2F100R3025010010	10.0	3.0	25	100	10	O
PHEX2F120R0530010012	12.0	0.5	30	100	12	O
PHEX2F120R1030010012	12.0	1.0	30	100	12	O
PHEX2F120R1530010012	12.0	1.5	30	100	12	O
PHEX2F120R2030010012	12.0	2.0	30	100	12	O
PHEX2F120R2530010012	12.0	2.5	30	100	12	O
PHEX2F120R3030010012	12.0	3.0	30	100	12	O

■Special specifications can be customized ■特殊规格可定制。

P-HEX 4 flutes square end mills

4刃立銑刀









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX4F01003005004	1.0	3	50	4	○
PHEX4F01504505004	1.5	4.5	50	4	○
PHEX4F02006005004	2.0	6	50	4	○
PHEX4F02507005004	2.5	7	50	4	○
PHEX4F03008005004	3.0	8	50	4	○
PHEX4F03510005004	3.5	10	50	4	○
PHEX4F04011005004	4.0	11	50	4	○
PHEX4F04513005006	4.5	13	50	6	○
PHEX4F05013005006	5.0	13	50	6	○
PHEX4F05513005006	5.5	13	50	6	○
PHEX4F06015005006	6.0	15	50	6	○
PHEX4F06517006008	6.5	17	60	8	○
PHEX4F07017006008	7.0	17	60	8	○
PHEX4F07517006008	7.5	17	60	8	○
PHEX4F08020006008	8.0	20	60	8	○
PHEX4F08523007510	8.5	23	75	10	○
PHEX4F09023007510	9.0	23	75	10	○
PHEX4F09525007510	9.5	25	75	10	○
PHEX4F10025007510	10.0	25	75	10	○
PHEX4F10525007512	10.5	25	75	12	○
PHEX4F11028007512	11.0	28	75	12	○
PHEX4F11528007512	11.5	28	75	12	○
PHEX4F12030007512	12.0	30	75	12	○
PHEX4F13045010014	13.0	45	100	14	○
PHEX4F14045010014	14.0	45	100	14	○
PHEX4F15045010016	15.0	45	100	16	○
PHEX4F16045010016	16.0	45	100	16	○
PHEX4F17045010018	17.0	45	100	18	○
PHEX4F18045010018	18.0	45	100	18	○
PHEX4F19045010020	19.0	45	100	20	○
PHEX4F20045010020	20.0	45	100	20	○
PHEX4F22045010025	22.0	45	100	25	○
PHEX4F25045010025	25.0	45	100	25	○

★ WORK MATERAIL 被削材適

P-HEX

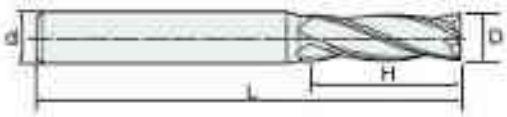
P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不鏽鋼
•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-HEX Long shank 4 flutes square end mills







Product Code	Blade diameter	Blade length	Full	Shank	Inventory
PHEX4F01003007504	1.0	3	75	4	O
PHEX4F01504507504	1.5	4.5	75	4	O
PHEX4F02006007504	2.0	6	75	4	O
PHEX4F02507007504	2.5	7	75	4	O
PHEX4F03008007504	3.0	8	75	4	O
PHEX4F03510007504	3.5	10	75	4	O
PHEX4F04011007504	4.0	11	75	4	O
PHEX4F04513007506	4.5	13	75	6	O
PHEX4F05013007506	5.0	13	75	6	O
PHEX4F05513007506	5.5	13	75	6	O
PHEX4F06015007506	6.0	15	75	6	O
PHEX4F06617007508	6.5	17	75	8	O
PHEX4F07017007508	7.0	17	75	8	O
PHEX4F07517007508	7.5	17	75	8	O
PHEX4F08020007508	8.0	20	75	8	O
PHEX4F03008010006	3.0	8	100	6	O
PHEX4F04011010006	4.0	11	100	6	O
PHEX4F05013010006	5.0	13	100	6	O
PHEX4F06015010006	6.0	15	100	6	O
PHEX4F07017010008	7.0	17	100	8	O
PHEX4F08020010008	8.0	20	100	8	O
PHEX4F09023010010	9.0	23	100	10	O
PHEX4F10025010010	10.0	25	100	10	O
PHEX4F11028010012	11.0	28	100	12	O
PHEX4F12030010012	12.0	30	100	12	O
PHEX4F08020015008	8.0	20	150	8	O
PHEX4F10025015010	10.0	25	150	10	O
PHEX4F12030015012	12.0	30	150	12	O
PHEX4F16050015016	16.0	50	150	16	O
PHEX4F18050015018	18.0	50	150	18	O
PHEX4F20050015020	20.0	50	150	20	O
PHEX4F16050020016	16.0	50	200	16	O
PHEX4F20050020020	20.0	50	200	20	O

★ WORK MATERAIL

P-HEX

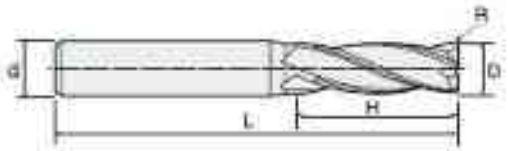
P20 S45C	SCM SK	SKT SKD	S316
•	•	•	•

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-HEX 4 flutes corner radius end mills







Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory
PHEX4F010R0203005004	1.0	0.2	3	50	4	O
PHEX4F015R0204005004	1.5	0.2	4	50	4	O
PHEX4F015R0504005004	1.5	0.5	4	50	4	O
PHEX4F020R0206005004	2.0	0.2	6	50	4	O
PHEX4F020R0506005004	2.0	0.5	6	50	4	O
PHEX4F025R0208005004	2.5	0.2	8	50	4	O
PHEX4F025R0508005004	2.5	0.5	8	50	4	O
PHEX4F030R0208005004	3.0	0.2	8	50	4	O
PHEX4F030R0508005004	3.0	0.5	8	50	4	O
PHEX4F030R1008005004	3.0	1.0	8	50	4	O
PHEX4F040R0211005004	4.0	0.2	11	50	4	O
PHEX4F040R0511005004	4.0	0.5	11	50	4	O
PHEX4F040R1011005004	4.0	1.0	11	50	4	O
PHEX4F050R0513005006	5.0	0.5	13	50	6	O
PHEX4F050R1013005006	5.0	1.0	13	50	6	O
PHEX4F060R0215005006	6.0	0.2	15	50	6	O
PHEX4F060R0515005006	6.0	0.5	15	50	6	O
PHEX4F060R1015005006	6.0	1.0	15	50	6	O
PHEX4F060R1515005006	6.0	1.5	15	50	6	O
PHEX4F060R2015005006	6.0	2.0	15	50	6	O
PHEX4F080R0520006008	8.0	0.5	20	60	8	O
PHEX4F080R1020006008	8.0	1.0	20	60	8	O
PHEX4F080R1520006008	8.0	1.5	20	60	8	O
PHEX4F080R2020006008	8.0	2.0	20	60	8	O
PHEX4F100R0525007510	10.0	0.5	25	75	10	O
PHEX4F100R1025007510	10.0	1.0	25	75	10	O
PHEX4F100R1525007510	10.0	1.5	25	75	10	O
PHEX4P100R2025007510	10.0	2.0	25	75	10	O
PHEX4F100R2525007510	10.0	2.5	25	75	10	O
PHEX4F100R3025007510	10.0	3.0	25	75	10	O
PHEX4F120R0530007512	12.0	0.5	30	75	12	O
PHEX4F120R1030007512	12.0	1.0	30	75	12	O
PHEX4F120R1530007512	12.0	1.5	30	75	12	O
PHEX4F120R2030007512	12.0	2.0	30	75	12	O
PHEX4F120R2530007512	12.0	2.5	30	75	12	O
PHEX4F120R3030007512	12.0	3.0	30	75	12	O

★ WORK MATERAIL

P-HEX

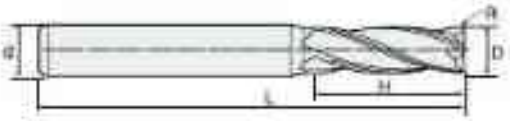
P20 S45C	SCM SK	SKT SKD	S316
•	•	•	•

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

P-HEX Long shank 4 flutes corner radius end mills





Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory
PHEX4F010R0203007504	1.0	0.2	3	75	4	O
PHEX4F015R0204007504	1.5	0.2	4	75	4	O
PHEX4F015R0504007504	1.5	0.5	4	75	4	O
PHEX4F020R0206007504	2.0	0.2	6	75	4	O
PHEX4F020R0506007504	2.0	0.5	6	75	4	O
PHEX4F025R0206007504	2.5	0.2	6	75	4	O
PHEX4F025R0506007504	2.5	0.5	6	75	4	O
PHEX4F030R0206007504	3.0	0.2	6	75	4	O
PHEX4F030R0506007504	3.0	0.5	6	75	4	O
PHEX4F030R1006007504	3.0	1.0	6	75	4	O
PHEX4F040R0211007504	4.0	0.2	11	75	4	O
PHEX4F040R0511007504	4.0	0.5	11	75	4	O
PHEX4F040R1011007504	4.0	1.0	11	75	4	O
PHEX4F050R0513007506	5.0	0.5	13	75	6	O
PHEX4F050R1013007506	5.0	1.0	13	75	6	O
PHEX4F060R0215007506	6.0	0.2	15	75	6	O
PHEX4F060R0515007506	6.0	0.5	15	75	6	O
PHEX4F060R1015007506	6.0	1.0	15	75	6	O
PHEX4F060R1515007506	6.0	1.5	15	75	6	O
PHEX4F060R2015007506	6.0	2.0	15	75	6	O
PHEX4F080R0520007508	8.0	0.5	20	75	8	O
PHEX4F080R1020007508	8.0	1.0	20	75	8	O
PHEX4F080R1520007508	8.0	1.5	20	75	8	O
PHEX4F080R2020007508	8.0	2.0	20	75	8	O
PHEX4F040R0211010006	4.0	0.2	11	100	6	O
PHEX4F040R0511010006	4.0	0.5	11	100	6	O
PHEX4F040R1011010006	4.0	1.0	11	100	6	O
PHEX4F050R0513010006	5.0	0.5	13	100	6	O
PHEX4F050R1013010006	5.0	1.0	13	100	6	O
PHEX4F060R0215010006	6.0	0.2	15	100	6	O
PHEX4F060R0515010006	6.0	0.5	15	100	6	O
PHEX4F060R1015010006	6.0	1.0	15	100	6	O
PHEX4F060R1515010006	6.0	1.5	15	100	6	O
PHEX4F060R2015010006	6.0	2.0	15	100	6	O
PHEX4F080R0520010008	8.0	0.5	20	100	8	O
PHEX4F080R1020010008	8.0	1.0	20	100	8	O
PHEX4F080R1520010008	8.0	1.5	20	100	8	O
PHEX4F080R2020010008	8.0	2.0	20	100	8	O
PHEX4F100R0525010010	10.0	0.5	25	100	10	O
PHEX4F100R1025010010	10.0	1.0	25	100	10	O
PHEX4F100R1525010010	10.0	1.5	25	100	10	O
PHEX4F100R2025010010	10.0	2.0	25	100	10	O
PHEX4F100R2525010010	10.0	2.5	25	100	10	O
PHEX4F100R3025010010	10.0	3.0	25	100	10	O
PHEX4F120R0530010012	12.0	0.5	30	100	12	O
PHEX4F120R1030010012	12.0	1.0	30	100	12	O
PHEX4F120R1530010012	12.0	1.5	30	100	12	O
PHEX4F120R2030010012	12.0	2.0	30	100	12	O
PHEX4F120R2530010012	12.0	2.5	30	100	12	O
PHEX4F120R3030010012	12.0	3.0	30	100	12	O

■Special specifications can be customized. ■

P-HEX 2 flutes ball nose end mills

2刃球型立銑刀









B28

Product Code 產品編號	R Blade R種	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX2FR005002005004	R0.50	2.0	50	4	○
PHEX2FR007503005004	R0.75	3.0	50	4	○
PHEX2FR010004005004	R1.00	4.0	50	4	○
PHEX2FR012505005004	R1.25	5.0	50	4	○
PHEX2FR015006005004	R1.50	6.0	50	4	○
PHEX2FR017507005004	R1.75	7.0	50	4	○
PHEX2FR020008005004	R2.00	8.0	50	4	○
PHEX2FR005002005006	R0.50	2.0	50	6	○
PHEX2FR007503005006	R0.75	3.0	50	6	○
PHEX2FR010004005006	R1.00	4.0	50	6	○
PHEX2FR012505005006	R1.25	5.0	50	6	○
PHEX2FR015006005006	R1.50	6.0	50	6	○
PHEX2FR017507005006	R1.75	7.0	50	6	○
PHEX2FR020008005006	R2.00	8.0	50	6	○
PHEX2FR022509005006	R2.25	9.0	50	6	○
PHEX2FR025010005006	R2.50	10.0	50	6	○
PHEX2FR027511005006	R2.75	11.0	50	6	○
PHEX2FR030012005006	R3.00	12.0	50	6	○
PHEX2FR032513006008	R3.25	13.0	60	8	○
PHEX2FR035014006008	R3.50	14.0	60	8	○
PHEX2FR037515006008	R3.75	15.0	60	8	○
PHEX2FR040016006008	R4.00	16.0	60	8	○
PHEX2FR045018007510	R4.50	18.0	75	10	○
PHEX2FR050020007510	R5.00	20.0	75	10	○
PHEX2FR060024007512	R6.00	24.0	75	12	○
PHEX2FR070028010014	R7.00	28.0	100	14	○
PHEX2FR080032010016	R8.00	32.0	100	16	○
PHEX2FR090036010018	R9.00	36.0	100	18	○
PHEX2FR100040010020	R10.0	40.0	100	20	○
PHEX2FR125050010025	R12.5	50.0	100	25	○

★ WORK MATERAIL 被削材质

P-HEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-HEX Long shank 2 flutes ball nose end mills





Product Code	R Blade	Blade length	Full	Shank	Inventory
PHEX2FR00502007504	R0.50	2	75	4	O
PHEX2FR00752007504	R0.75	3	75	4	O
PHEX2FR01004007504	R1.00	4	75	4	O
PHEX2FR01256007504	R1.25	5	75	4	O
PHEX2FR01506007504	R1.50	6	75	4	O
PHEX2FR01756007504	R1.75	7	75	4	O
PHEX2FR02008007504	R2.00	8	75	4	O
PHEX2FR02259007506	R2.25	9	75	6	O
PHEX2FR02510007506	R2.50	10	75	6	O
PHEX2FR02751107506	R2.75	11	75	6	O
PHEX2FR03012007506	R3.00	12	75	6	O
PHEX2FR04016007508	R4.00	16	75	8	O
PHEX2FR00502010006	R0.50	2	100	6	O
PHEX2FR00752010006	R0.75	3	100	6	O
PHEX2FR01004010006	R1.00	4	100	6	O
PHEX2FR01256010006	R1.25	5	100	6	O
PHEX2FR01506010006	R1.50	6	100	6	O
PHEX2FR01756010006	R1.75	7	100	6	O
PHEX2FR02008010006	R2.00	8	100	6	O
PHEX2FR02259010006	R2.25	9	100	6	O
PHEX2FR02510010006	R2.50	10	100	6	O
PHEX2FR02751101006	R2.75	11	100	6	O
PHEX2FR03012010006	R3.00	12	100	6	O
PHEX2FR04016010008	R4.00	16	100	8	O
PHEX2FR05020010010	R5.00	20	100	10	O
PHEX2FR06024010012	R6.00	24	100	12	O
PHEX2FR03012015006	R3.00	12	150	6	O
PHEX2FR04016015008	R4.00	16	150	8	O
PHEX2FR05020015010	R5.00	20	150	10	O
PHEX2FR06024015012	R6.00	24	150	12	O
PHEX2FR07028015014	R7.00	28	150	14	O
PHEX2FR08032015016	R8.00	32	150	16	O
PHEX2FR10040015020	R10.00	40	150	20	O
PHEX2FR04016020008	R4.00	16	200	8	O
PHEX2FR05020020010	R5.00	20	200	10	O
PHEX2FR06024020012	R6.00	24	200	12	O
PHEX2FR07028020014	R7.00	28	200	14	O
PHEX2FR08032020016	R8.00	32	200	16	O
PHEX2FR10040020020	R10.00	40	200	20	O

★ WORK MATERAIL

P-HEX

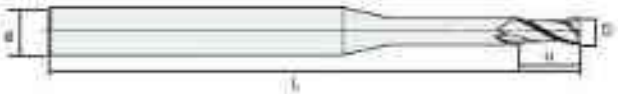
P20 SASC	SCM SK	SKT SKD	S316
•	•	•	•

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	



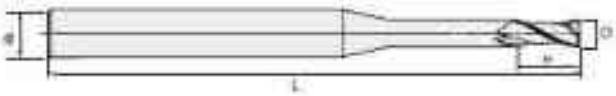




Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
PHEX2F002003010005004	0.2	0.3	1	50	4	0
PHEX2F002003020005004	0.2	0.3	2	50	4	0
PHEX2F003004010005004	0.3	0.4	1	50	4	0
PHEX2F003004020005004	0.3	0.4	2	50	4	0
PHEX2F003004030005004	0.3	0.4	3	50	4	0
PHEX2F003004040005004	0.3	0.4	4	50	4	0
PHEX2F003004050005004	0.3	0.4	5	50	4	0
PHEX2F004005010005004	0.4	0.5	1	50	4	0
PHEX2F004005020005004	0.4	0.5	2	50	4	0
PHEX2F004005030005004	0.4	0.5	3	50	4	0
PHEX2F004005040005004	0.4	0.5	4	50	4	0
PHEX2F004005050005004	0.4	0.5	5	50	4	0
PHEX2F004005060005004	0.4	0.5	6	50	4	0
PHEX2F004005080005004	0.4	0.5	8	50	4	0
PHEX2F004006100050004	0.4	0.5	10	50	4	0
PHEX2F005006020050004	0.5	0.6	2	50	4	0
PHEX2F005006030050004	0.5	0.6	3	50	4	0
PHEX2F005006040050004	0.5	0.6	4	50	4	0
PHEX2F005006050050004	0.5	0.6	5	50	4	0
PHEX2F005006060050004	0.5	0.6	6	50	4	0
PHEX2F005006080050004	0.5	0.6	8	50	4	0
PHEX2F005006100050004	0.5	0.6	10	50	4	0
PHEX2F005006120050004	0.5	0.6	12	50	4	0
PHEX2F005006140050004	0.5	0.6	14	50	4	0
PHEX2F006007020050004	0.6	0.7	2	50	4	0
PHEX2F006007030050004	0.6	0.7	3	50	4	0
PHEX2F006007040050004	0.6	0.7	4	50	4	0
PHEX2F006007050050004	0.6	0.7	5	50	4	0
PHEX2F006007060050004	0.6	0.7	6	50	4	0
PHEX2F006007080050004	0.6	0.7	8	50	4	0
PHEX2F006007100050004	0.6	0.7	10	50	4	0
PHEX2F006007120050004	0.6	0.7	12	50	4	0
PHEX2F006007140050004	0.6	0.7	14	50	4	0
PHEX2F006007160050004	0.6	0.7	16	50	4	0
PHEX2F007008020050004	0.7	0.8	2	50	4	0
PHEX2F007008040050004	0.7	0.8	4	50	4	0
PHEX2F007008060050004	0.7	0.8	6	50	4	0
PHEX2F007008080050004	0.7	0.8	8	50	4	0
PHEX2F007008100050004	0.7	0.8	10	50	4	0
PHEX2F007008120050004	0.7	0.8	12	50	4	0
PHEX2F008010020050004	0.8	1.0	2	50	4	0
PHEX2F008010040050004	0.8	1.0	4	50	4	0
PHEX2F008010060050004	0.8	1.0	6	50	4	0
PHEX2F008010080050004	0.8	1.0	8	50	4	0
PHEX2F008010100050004	0.8	1.0	10	50	4	0
PHEX2F008010120050004	0.8	1.0	12	50	4	0
PHEX2F008010140050004	0.8	1.0	14	50	4	0
PHEX2F009011060050004	0.9	1.1	6	50	4	0
PHEX2F009011080050004	0.9	1.1	8	50	4	0
PHEX2F009011100050004	0.9	1.1	10	50	4	0
PHEX2F010012020050004	1.0	1.2	2	50	4	0
PHEX2F010012030050004	1.0	1.2	3	50	4	0
PHEX2F010012040050004	1.0	1.2	4	50	4	0
PHEX2F010012050050004	1.0	1.2	5	50	4	0
PHEX2F010012060050004	1.0	1.2	6	50	4	0
PHEX2F010012080050004	1.0	1.2	8	50	4	0
PHEX2F010012100050004	1.0	1.2	10	50	4	0





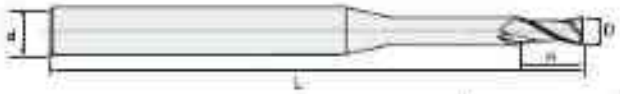


Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
PHEX2F010012120060004	1.0	1.2	12	50	4	○
PHEX2F010012140060004	1.0	1.2	14	50	4	○
PHEX2F010012160060004	1.0	1.2	16	50	4	○
PHEX2F010012180060004	1.0	1.2	18	50	4	○
PHEX2F010012200060004	1.0	1.2	20	50	4	○
PHEX2F012015040060004	1.2	1.5	4	50	4	○
PHEX2F012015060060004	1.2	1.5	6	50	4	○
PHEX2F012015080060004	1.2	1.5	8	50	4	○
PHEX2F012015100060004	1.2	1.5	10	50	4	○
PHEX2F012015120060004	1.2	1.5	12	50	4	○
PHEX2F012015160060004	1.2	1.5	16	50	4	○
PHEX2F012015200060004	1.2	1.5	20	50	4	○
PHEX2F014018060060004	1.4	1.8	6	50	4	○
PHEX2F014018080060004	1.4	1.8	8	50	4	○
PHEX2F014018100060004	1.4	1.8	10	50	4	○
PHEX2F014018140060004	1.4	1.8	14	50	4	○
PHEX2F014018160060004	1.4	1.8	16	50	4	○
PHEX2F014018200060004	1.4	1.8	20	50	4	○
PHEX2F015018040060004	1.5	1.8	4	50	4	○
PHEX2F015018060060004	1.5	1.8	6	50	4	○
PHEX2F015018080060004	1.5	1.8	8	50	4	○
PHEX2F015018100060004	1.5	1.8	10	50	4	○
PHEX2F015018120060004	1.5	1.8	12	50	4	○
PHEX2F015018140060004	1.5	1.8	14	50	4	○
PHEX2F015018160060004	1.5	1.8	16	50	4	○
PHEX2F015018180060004	1.5	1.8	18	50	4	○
PHEX2F015018200060004	1.5	1.8	20	50	4	○
PHEX2F016019100060004	1.6	1.9	10	50	4	○
PHEX2F016019140060004	1.6	1.9	14	50	4	○
PHEX2F016019180060004	1.6	1.9	18	50	4	○
PHEX2F018020100060004	1.8	2.0	10	50	4	○
PHEX2F018020140060004	1.8	2.0	14	50	4	○
PHEX2F018020180060004	1.8	2.0	18	50	4	○
PHEX2F020025040060004	2.0	2.5	4	50	4	○
PHEX2F020025060060004	2.0	2.5	6	50	4	○
PHEX2F020025080060004	2.0	2.5	8	50	4	○
PHEX2F020025100060004	2.0	2.5	10	50	4	○
PHEX2F020025120060004	2.0	2.5	12	50	4	○
PHEX2F020025140060004	2.0	2.5	14	50	4	○
PHEX2F020025160060004	2.0	2.5	16	50	4	○
PHEX2F020025180060004	2.0	2.5	18	50	4	○
PHEX2F020025200060004	2.0	2.5	20	50	4	○
PHEX2F020025220060004	2.0	2.5	22	50	4	○
PHEX2F020025250060004	2.0	2.5	25	50	4	○
PHEX2F020025300060004	2.0	2.5	30	50	4	○
PHEX2F020025350060004	2.0	2.5	35	50	4	○
PHEX2F025030080060004	2.5	3.0	8	50	4	○
PHEX2F025030100060004	2.5	3.0	10	50	4	○
PHEX2F025030120060004	2.5	3.0	12	50	4	○
PHEX2F025030160060004	2.5	3.0	16	50	4	○
PHEX2F025030200060004	2.5	3.0	20	50	4	○
PHEX2F025030250060004	2.5	3.0	25	50	4	○
PHEX2F025030300060004	2.5	3.0	30	50	4	○
PHEX2F025030350060004	2.5	3.0	35	50	4	○

P-HEX 2 flutes long neck short flute square end mills

二刃平底長頸短刃







Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX2F03003506005006	3.0	3.5	6	50	6	O
PHEX2F03003510005006	3.0	3.5	10	50	6	O
PHEX2F03003512005006	3.0	3.5	12	50	6	O
PHEX2F03003516005006	3.0	3.5	16	50	6	O
PHEX2F03003520006006	3.0	3.5	20	60	6	O
PHEX2F03003525006006	3.0	3.5	25	60	6	O
PHEX2F03003530006006	3.0	3.5	30	60	6	O
PHEX2F03003535007506	3.0	3.5	35	75	6	O
PHEX2F04004508005006	4.0	4.5	8	50	6	O
PHEX2F04004510005006	4.0	4.5	10	50	6	O
PHEX2F04004512005006	4.0	4.5	12	50	6	O
PHEX2F04004516005006	4.0	4.5	16	50	6	O
PHEX2F04004520006006	4.0	4.5	20	60	6	O
PHEX2F04004525006006	4.0	4.5	25	60	6	O
PHEX2F04004530006006	4.0	4.5	30	60	6	O
PHEX2F04004535007506	4.0	4.5	35	75	6	O
PHEX2F05007016006006	5.0	7.0	16	50	6	O
PHEX2F05007020006006	5.0	7.0	20	60	6	O
PHEX2F05007025006006	5.0	7.0	25	60	6	O
PHEX2F05007030006006	5.0	7.0	30	60	6	O
PHEX2F05007035075006	5.0	7.0	35	75	6	O
PHEX2F06010020006006	6.0	10.0	20	60	6	O
PHEX2F06010030075006	6.0	10.0	30	75	6	O
PHEX2F08015020006008	8.0	15.0	20	60	8	O
PHEX2F08015030075008	8.0	15.0	30	75	8	O
PHEX2F08015040010008	8.0	15.0	40	100	8	O
PHEX2F10020025075010	10.0	20.0	25	75	10	O
PHEX2F10020035075010	10.0	20.0	35	75	10	O
PHEX2F10020045010010	10.0	20.0	45	100	10	O
PHEX2F12025030075012	12.0	25.0	30	75	12	O
PHEX2F12025040010012	12.0	25.0	40	100	12	O
PHEX2F12025050010012	12.0	25.0	50	100	12	O

★ WORK MATERAIL 被削材質

P-HEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃徑基準	Blade diameter tolerance 刃徑直徑公差
⊕	0~-0.02

Working material 被切材質	Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼	
Material code 材質編號	45C,S50C,SCM		SCM,SKT,SKD		SCM,SKT,SKD		SKT,SKD	
Hardness grade 硬度等級	HRC < 20		HRC 20~30		HRC 30~40		HRC 40~50	
Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
0.2MM	52,000	310	52,000	240	52,000	250	52,000	200
0.3MM	56,000	520	56,000	460	56,000	410	56,000	410
0.4MM	52,000	610	52,000	580	44,600	420	44,600	420
0.5MM	55,800	640	50,000	720	37,600	470	37,600	470
0.6MM	34,100	830	29,100	650	21,100	460	21,100	460
1.0MM	30,100	1,070	24,400	770	18,500	680	18,500	680
1.5MM	20,000	960	17,500	740	12,400	450	12,400	450
2.0MM	18,500	1,250	16,400	930	11,500	550	11,500	550
2.5MM	14,000	1,240	11,800	950	8,800	650	8,800	650
3.0MM	10,400	1,100	8,700	950	6,200	540	6,200	540
4.0MM	8,500	1,280	7,100	950	5,100	600	5,100	600
5.0MM	5,400	1,040	4,400	760	3,300	460	3,300	460
6.0MM	3,900	890	3,600	680	2,400	440	2,400	440
8.0MM	3,300	910	2,800	710	2,200	450	2,200	450
10.0MM	2,900	890	2,700	840	2,100	430	2,100	430
12.0MM	2,530	710	2,300	540	2,000	400	2,000	400
Milling amount (mm)								

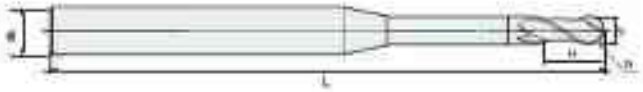
Please refer to 20% table reduce R.P.M & Feed while effective length is increasing.

P-HEX 2 flutes long neck short flute ball nose end mills

二刃深溝球頭銑刀







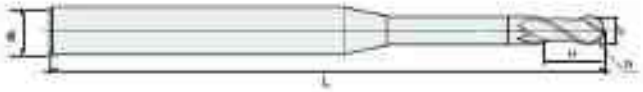
Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX2FR0150030100S004	0.15R	0.3	0.3	1	50	4	O
PHEX2FR0150030200S004	0.15R	0.3	0.3	2	50	4	O
PHEX2FR0150030300S004	0.15R	0.3	0.3	3	50	4	O
PHEX2FR0200040100S004	0.20R	0.4	0.4	1	50	4	O
PHEX2FR0200040200S004	0.20R	0.4	0.4	2	50	4	O
PHEX2FR0200040300S004	0.20R	0.4	0.4	3	50	4	O
PHEX2FR0200040400S004	0.20R	0.4	0.4	4	50	4	O
PHEX2FR0200040500S004	0.20R	0.4	0.4	5	50	4	O
PHEX2FR0200040600S004	0.20R	0.4	0.4	6	50	4	O
PHEX2FR0200040800S004	0.20R	0.4	0.4	8	50	4	O
PHEX2FR0250050100S004	0.25R	0.5	0.5	1	50	4	O
PHEX2FR0250050200S004	0.25R	0.5	0.5	2	50	4	O
PHEX2FR0250050300S004	0.25R	0.5	0.5	3	50	4	O
PHEX2FR0250050400S004	0.25R	0.5	0.5	4	50	4	O
PHEX2FR0250050500S004	0.25R	0.5	0.5	5	50	4	O
PHEX2FR0250050600S004	0.25R	0.5	0.5	6	50	4	O
PHEX2FR0250050800S004	0.25R	0.5	0.5	8	50	4	O
PHEX2FR0300051000S004	0.25R	0.5	0.5	10	50	4	O
PHEX2FR0300060100S004	0.30R	0.6	0.6	1	50	4	O
PHEX2FR0300060200S004	0.30R	0.6	0.6	2	50	4	O
PHEX2FR0300060300S004	0.30R	0.6	0.6	3	50	4	O
PHEX2FR0300060400S004	0.30R	0.6	0.6	4	50	4	O
PHEX2FR0300060500S004	0.30R	0.6	0.6	5	50	4	O
PHEX2FR0300060600S004	0.30R	0.6	0.6	6	50	4	O
PHEX2FR0300060800S004	0.30R	0.6	0.6	8	50	4	O
PHEX2FR0300061000S004	0.30R	0.6	0.6	10	50	4	O
PHEX2FR0300061200S004	0.30R	0.6	0.6	12	50	4	O
PHEX2FR0350070200S004	0.35R	0.7	0.7	2	50	4	O
PHEX2FR0350070400S004	0.35R	0.7	0.7	4	50	4	O
PHEX2FR0350070800S004	0.35R	0.7	0.7	8	50	4	O
PHEX2FR0350071000S004	0.35R	0.7	0.7	10	50	4	O
PHEX2FR0400071200S004	0.35R	0.7	0.7	12	50	4	O
PHEX2FR0400080200S004	0.40R	0.8	0.8	2	50	4	O
PHEX2FR0400080400S004	0.40R	0.8	0.8	4	50	4	O
PHEX2FR0400080600S004	0.40R	0.8	0.8	6	50	4	O
PHEX2FR0400080800S004	0.40R	0.8	0.8	8	50	4	O
PHEX2FR0400081000S004	0.40R	0.8	0.8	10	50	4	O
PHEX2FR0450081200S004	0.40R	0.8	0.8	12	50	4	O
PHEX2FR0500090400S004	0.45R	0.9	0.9	4	50	4	O
PHEX2FR0500100200S004	0.50R	1.0	1.0	2	50	4	O
PHEX2FR0500100300S004	0.50R	1.0	1.0	3	50	4	O
PHEX2FR0500100400S004	0.50R	1.0	1.0	4	50	4	O
PHEX2FR0500100500S004	0.50R	1.0	1.0	5	50	4	O
PHEX2FR0500100600S004	0.50R	1.0	1.0	6	50	4	O
PHEX2FR0500100800S004	0.50R	1.0	1.0	8	50	4	O
PHEX2FR0500101000S004	0.50R	1.0	1.0	10	50	4	O
PHEX2FR0500101200S004	0.50R	1.0	1.0	12	50	4	O
PHEX2FR0500101400S004	0.50R	1.0	1.0	14	50	4	O
PHEX2FR0500101600S004	0.50R	1.0	1.0	16	50	4	O
PHEX2FR0500101800S004	0.50R	1.0	1.0	18	50	4	O
PHEX2FR0500102000S004	0.50R	1.0	1.0	20	50	4	O
PHEX2FR0500102200S004	0.50R	1.0	1.0	22	60	4	O

P-HEX 2 flutes long neck short flute ball nose end mills

二刃深度球鼻铣刀





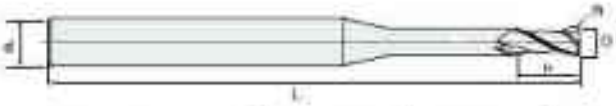


Product Code 产品编号	Radius 半径	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
PHEX2FR06012045004	0.60R	1.2	1.2	4	50	4	O
PHEX2FR06012065004	0.60R	1.2	1.2	6	50	4	O
PHEX2FR06012085004	0.60R	1.2	1.2	8	50	4	O
PHEX2FR06012105004	0.60R	1.2	1.2	10	50	4	O
PHEX2FR06012125004	0.60R	1.2	1.2	12	50	4	O
PHEX2FR06012165004	0.60R	1.2	1.2	16	50	4	O
PHEX2FR06012205004	0.60R	1.2	1.2	20	50	4	O
PHEX2FR06012245004	0.60R	1.2	1.2	24	50	4	O
PHEX2FR07014065004	0.70R	1.4	1.4	6	50	4	O
PHEX2FR07014085004	0.70R	1.4	1.4	8	50	4	O
PHEX2FR07014125004	0.70R	1.4	1.4	12	50	4	O
PHEX2FR07014165004	0.70R	1.4	1.4	16	50	4	O
PHEX2FR07515035004	0.75R	1.5	1.5	3	50	4	O
PHEX2FR07515045004	0.75R	1.5	1.5	4	50	4	O
PHEX2FR07515065004	0.75R	1.5	1.5	6	50	4	O
PHEX2FR07515085004	0.75R	1.5	1.5	8	50	4	O
PHEX2FR07515105004	0.75R	1.5	1.5	10	50	4	O
PHEX2FR07515125004	0.75R	1.5	1.5	12	50	4	O
PHEX2FR07515145004	0.75R	1.5	1.5	14	50	4	O
PHEX2FR07515165004	0.75R	1.5	1.5	16	50	4	O
PHEX2FR07515185004	0.75R	1.5	1.5	18	50	4	O
PHEX2FR07515205004	0.75R	1.5	1.5	20	50	4	O
PHEX2FR07515225004	0.75R	1.5	1.5	22	50	4	O
PHEX2FR07515255004	0.75R	1.5	1.5	25	50	4	O
PHEX2FR07515305004	0.75R	1.5	1.5	30	50	4	O
PHEX2FR08016065004	0.80R	1.6	1.6	6	50	4	O
PHEX2FR08016085004	0.80R	1.6	1.6	8	50	4	O
PHEX2FR08016125004	0.80R	1.6	1.6	12	50	4	O
PHEX2FR08016165004	0.80R	1.6	1.6	16	50	4	O
PHEX2FR08016205004	0.80R	1.6	1.6	20	50	4	O
PHEX2FR09018065004	0.90R	1.8	1.8	6	50	4	O
PHEX2FR09018085004	0.90R	1.8	1.8	8	50	4	O
PHEX2FR09018125004	0.90R	1.8	1.8	12	50	4	O
PHEX2FR09018165004	0.90R	1.8	1.8	16	50	4	O
PHEX2FR09018205004	0.90R	1.8	1.8	20	50	4	O
PHEX2FR10020045004	1.00R	2.0	2.0	4	50	4	O
PHEX2FR10020065004	1.00R	2.0	2.0	6	50	4	O
PHEX2FR10020085004	1.00R	2.0	2.0	8	50	4	O
PHEX2FR10020105004	1.00R	2.0	2.0	10	50	4	O
PHEX2FR10020125004	1.00R	2.0	2.0	12	50	4	O
PHEX2FR10020145004	1.00R	2.0	2.0	14	50	4	O
PHEX2FR10020165004	1.00R	2.0	2.0	16	50	4	O
PHEX2FR10020185004	1.00R	2.0	2.0	18	50	4	O
PHEX2FR10020205004	1.00R	2.0	2.0	20	50	4	O
PHEX2FR10020225004	1.00R	2.0	2.0	22	50	4	O
PHEX2FR10020255004	1.00R	2.0	2.0	25	50	4	O
PHEX2FR12525085004	1.25R	2.5	2.5	8	50	4	O
PHEX2FR12525105004	1.25R	2.5	2.5	10	50	4	O
PHEX2FR12525165004	1.25R	2.5	2.5	16	50	4	O
PHEX2FR12525205004	1.25R	2.5	2.5	20	50	4	O
PHEX2FR12525255004	1.25R	2.5	2.5	25	50	4	O
PHEX2FR12525305004	1.25R	2.5	2.5	30	50	4	O

P-HEX 2 flutes long neck short flute corner radius end mills

二刃长颈短刃圆鼻铣刀



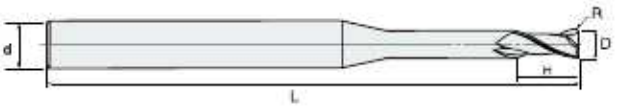


Product Code 产品编号	Blade diameter 刃径	Corner radius R角	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
PHEX010R0010100405004	1.0	0.1R	1.0	4	50	4	O
PHEX010R0010100605004	1.0	0.1R	1.0	6	50	4	O
PHEX010R0010100805004	1.0	0.1R	1.0	8	50	4	O
PHEX010R0010101005004	1.0	0.1R	1.0	10	50	4	O
PHEX010R0010101205004	1.0	0.1R	1.0	12	50	4	O
PHEX010R0020100405004	1.0	0.2R	1.0	4	50	4	O
PHEX010R0020100605004	1.0	0.2R	1.0	6	50	4	O
PHEX010R0020100805004	1.0	0.2R	1.0	8	50	4	O
PHEX010R0020101005004	1.0	0.2R	1.0	10	50	4	O
PHEX010R0020101205004	1.0	0.2R	1.0	12	50	4	O
PHEX010R0030100405004	1.0	0.3R	1.0	4	50	4	O
PHEX010R0030100605004	1.0	0.3R	1.0	6	50	4	O
PHEX010R0030100805004	1.0	0.3R	1.0	8	50	4	O
PHEX010R0030101005004	1.0	0.3R	1.0	10	50	4	O
PHEX010R0030101205004	1.0	0.3R	1.0	12	50	4	O
PHEX012R0010120405004	1.2	0.1R	1.2	4	50	4	O
PHEX012R0010120605004	1.2	0.1R	1.2	6	50	4	O
PHEX012R0010120805004	1.2	0.1R	1.2	8	50	4	O
PHEX012R0010121005004	1.2	0.1R	1.2	10	50	4	O
PHEX012R0010121205004	1.2	0.1R	1.2	12	50	4	O
PHEX012R0020120405004	1.2	0.2R	1.2	4	50	4	O
PHEX012R0020120605004	1.2	0.2R	1.2	6	50	4	O
PHEX012R0020120805004	1.2	0.2R	1.2	8	50	4	O
PHEX012R0020121005004	1.2	0.2R	1.2	10	50	4	O
PHEX012R0020121205004	1.2	0.2R	1.2	12	50	4	O
PHEX012R0030120405004	1.2	0.3R	1.2	4	50	4	O
PHEX012R0030120605004	1.2	0.3R	1.2	6	50	4	O
PHEX012R0030120805004	1.2	0.3R	1.2	8	50	4	O
PHEX012R0030121005004	1.2	0.3R	1.2	10	50	4	O
PHEX012R0030121205004	1.2	0.3R	1.2	12	50	4	O
PHEX015R0010150605004	1.5	0.1R	1.5	6	50	4	O
PHEX015R0010150805004	1.5	0.1R	1.5	8	50	4	O
PHEX015R0010151005004	1.5	0.1R	1.5	10	50	4	O
PHEX015R0010151205004	1.5	0.1R	1.5	12	50	4	O
PHEX015R0010151605004	1.5	0.1R	1.5	16	50	4	O
PHEX015R0020150605004	1.5	0.2R	1.5	6	50	4	O
PHEX015R0020150805004	1.5	0.2R	1.5	8	50	4	O
PHEX015R0020151005004	1.5	0.2R	1.5	10	50	4	O
PHEX015R0020151205004	1.5	0.2R	1.5	12	50	4	O
PHEX015R0020151605004	1.5	0.2R	1.5	16	50	4	O
PHEX015R0030150605004	1.5	0.3R	1.5	6	50	4	O
PHEX015R0030150805004	1.5	0.3R	1.5	8	50	4	O
PHEX015R0030151005004	1.5	0.3R	1.5	10	50	4	O
PHEX015R0030151205004	1.5	0.3R	1.5	12	50	4	O
PHEX015R0030151605004	1.5	0.3R	1.5	16	50	4	O
PHEX015R0050150605004	1.5	0.5R	1.5	6	50	4	O
PHEX015R0050150805004	1.5	0.5R	1.5	8	50	4	O
PHEX015R0050151005004	1.5	0.5R	1.5	10	50	4	O
PHEX015R0050151205004	1.5	0.5R	1.5	12	50	4	O
PHEX015R0050151605004	1.5	0.5R	1.5	16	50	4	O
PHEX020R0010200605004	2.0	0.1R	2.0	6	50	4	O
PHEX020R0010200805004	2.0	0.1R	2.0	8	50	4	O
PHEX020R0010201005004	2.0	0.1R	2.0	10	50	4	O
PHEX020R0010201205004	2.0	0.1R	2.0	12	50	4	O
PHEX020R0010201605004	2.0	0.1R	2.0	16	50	4	O
PHEX020R0010202005004	2.0	0.1R	2.0	20	50	4	O
PHEX020R0010202605004	2.0	0.1R	2.0	25	60	4	O

P-HEX 2 flutes long neck short flute corner radius end mills

二刃淑清頭鼻銑刀







UMG | 0.5 μm | CO10% | HRC-65 | AlTiNS

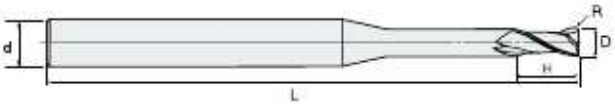
Product Code 產品編號	Blade diameter 刃徑	Corner radius R角	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX20R02065004	2.0	0.2R	2.0	6	50	4	O
PHEX20R02085004	2.0	0.2R	2.0	8	50	4	O
PHEX20R02105004	2.0	0.2R	2.0	10	50	4	O
PHEX20R02125004	2.0	0.2R	2.0	12	50	4	O
PHEX20R02165004	2.0	0.2R	2.0	16	50	4	O
PHEX20R02205004	2.0	0.2R	2.0	20	50	4	O
PHEX20R02256004	2.0	0.2R	2.0	25	60	4	O
PHEX20R03065004	2.0	0.3R	2.0	6	50	4	O
PHEX20R03085004	2.0	0.3R	2.0	8	50	4	O
PHEX20R03105004	2.0	0.3R	2.0	10	50	4	O
PHEX20R03125004	2.0	0.3R	2.0	12	50	4	O
PHEX20R03165004	2.0	0.3R	2.0	16	50	4	O
PHEX20R03205004	2.0	0.3R	2.0	20	50	4	O
PHEX20R03256004	2.0	0.3R	2.0	25	60	4	O
PHEX20R05065004	2.0	0.5R	2.0	6	50	4	O
PHEX20R05085004	2.0	0.5R	2.0	8	50	4	O
PHEX20R05105004	2.0	0.5R	2.0	10	50	4	O
PHEX20R05125004	2.0	0.5R	2.0	12	50	4	O
PHEX20R05165004	2.0	0.5R	2.0	16	50	4	O
PHEX20R05205004	2.0	0.5R	2.0	20	50	4	O
PHEX20R05256004	2.0	0.5R	2.0	25	60	4	O
PHEX25R01105004	2.5	0.1R	2.5	10	50	4	O
PHEX25R01165004	2.5	0.1R	2.5	16	50	4	O
PHEX25R01205004	2.5	0.1R	2.5	20	50	4	O
PHEX25R01256004	2.5	0.1R	2.5	25	60	4	O
PHEX25R02105004	2.5	0.2R	2.5	10	50	4	O
PHEX25R02165004	2.5	0.2R	2.5	16	50	4	O
PHEX25R02205004	2.5	0.2R	2.5	20	50	4	O
PHEX25R02256004	2.5	0.2R	2.5	25	60	4	O
PHEX25R03105004	2.5	0.3R	2.5	10	50	4	O
PHEX25R03165004	2.5	0.3R	2.5	16	50	4	O
PHEX25R03205004	2.5	0.3R	2.5	20	50	4	O
PHEX25R03256004	2.5	0.3R	2.5	25	60	4	O
PHEX25R05105004	2.5	0.5R	2.5	10	50	4	O
PHEX25R05165004	2.5	0.5R	2.5	16	50	4	O
PHEX25R05205004	2.5	0.5R	2.5	20	50	4	O
PHEX25R05255004	2.5	0.5R	2.5	25	60	4	O
PHEX30R01105006	3.0	0.1R	3.0	10	50	6	O
PHEX30R01166006	3.0	0.1R	3.0	16	60	6	O
PHEX30R01206006	3.0	0.1R	3.0	20	60	6	O
PHEX30R01256006	3.0	0.1R	3.0	25	60	6	O
PHEX30R01307506	3.0	0.1R	3.0	30	75	6	O
PHEX30R01357506	3.0	0.1R	3.0	35	75	6	O
PHEX30R02105006	3.0	0.2R	3.0	10	50	6	O
PHEX30R02166006	3.0	0.2R	3.0	16	60	6	O
PHEX30R02206006	3.0	0.2R	3.0	20	60	6	O
PHEX30R02256006	3.0	0.2R	3.0	25	60	6	O
PHEX30R02307506	3.0	0.2R	3.0	30	75	6	O
PHEX30R02357506	3.0	0.2R	3.0	35	75	6	O
PHEX30R03105006	3.0	0.3R	3.0	10	50	6	O
PHEX30R03166006	3.0	0.3R	3.0	16	60	6	O
PHEX30R03206006	3.0	0.3R	3.0	20	60	6	O
PHEX30R03256006	3.0	0.3R	3.0	25	60	6	O
PHEX30R03307506	3.0	0.3R	3.0	30	75	6	O
PHEX30R03357506	3.0	0.3R	3.0	35	75	6	O

P-HEX 2 flutes long neck short flute corner radius end mills

二刃淑清頸鼻銑刀









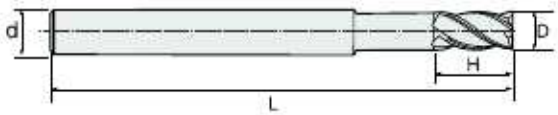
B37

Product Code 產品編號	Blade diameter 刃徑	Corner radius R角	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX30R05105006	3.0	0.5R	3.0	10	50	6	○
PHEX30R05166006	3.0	0.5R	3.0	16	60	6	○
PHEX30R05206006	3.0	0.5R	3.0	20	60	6	○
PHEX30R05256006	3.0	0.5R	3.0	25	60	6	○
PHEX30R05307506	3.0	0.5R	3.0	30	75	6	○
PHEX30R05357506	3.0	0.5R	3.0	35	75	6	○
PHEX30R10105006	3.0	1.0R	3.0	10	50	6	○
PHEX30R10166006	3.0	1.0R	3.0	16	60	6	○
PHEX30R10206006	3.0	1.0R	3.0	20	60	6	○
PHEX30R10256006	3.0	1.0R	3.0	25	60	6	○
PHEX30R10307506	3.0	1.0R	3.0	30	75	6	○
PHEX30R10357506	3.0	1.0R	3.0	35	75	6	○
PHEX40R01135006	4.0	0.1R	4.0	13	50	6	○
PHEX40R01166006	4.0	0.1R	4.0	16	60	6	○
PHEX40R01206006	4.0	0.1R	4.0	20	60	6	○
PHEX40R01256006	4.0	0.1R	4.0	25	60	6	○
PHEX40R01307506	4.0	0.1R	4.0	30	75	6	○
PHEX40R01357506	4.0	0.1R	4.0	35	75	6	○
PHEX40R02135006	4.0	0.2R	4.0	13	50	6	○
PHEX40R02166006	4.0	0.2R	4.0	16	60	6	○
PHEX40R02206006	4.0	0.2R	4.0	20	60	6	○
PHEX40R02256006	4.0	0.2R	4.0	25	60	6	○
PHEX40R02307506	4.0	0.2R	4.0	30	75	6	○
PHEX40R02357506	4.0	0.2R	4.0	35	75	6	○
PHEX40R03135006	4.0	0.3R	4.0	13	50	6	○
PHEX40R03166006	4.0	0.3R	4.0	16	60	6	○
PHEX40R03206006	4.0	0.3R	4.0	20	60	6	○
PHEX40R03256006	4.0	0.3R	4.0	25	60	6	○
PHEX40R03307506	4.0	0.3R	4.0	30	75	6	○
PHEX40R03357506	4.0	0.3R	4.0	35	75	6	○
PHEX40R05135006	4.0	0.5R	4.0	13	50	6	○
PHEX40R05166006	4.0	0.5R	4.0	16	60	6	○
PHEX40R05206006	4.0	0.5R	4.0	20	60	6	○
PHEX40R05256006	4.0	0.5R	4.0	25	60	6	○
PHEX40R05307506	4.0	0.5R	4.0	30	75	6	○
PHEX40R05357506	4.0	0.5R	4.0	35	75	6	○
PHEX40R10135006	4.0	1.0R	4.0	13	50	6	○
PHEX40R10166006	4.0	1.0R	4.0	16	60	6	○
PHEX40R10206006	4.0	1.0R	4.0	20	60	6	○
PHEX40R10256006	4.0	1.0R	4.0	25	60	6	○
PHEX40R10307506	4.0	1.0R	4.0	30	75	6	○
PHEX40R10357506	4.0	1.0R	4.0	35	75	6	○
PHEX50R01166006	5.0	0.1R	5.0	16	60	6	○
PHEX50R01306006	5.0	0.1R	5.0	30	60	6	○
PHEX50R02166006	5.0	0.2R	5.0	16	60	6	○
PHEX50R02306006	5.0	0.2R	5.0	30	60	6	○
PHEX50R03166006	5.0	0.3R	5.0	16	60	6	○
PHEX50R03306006	5.0	0.3R	5.0	30	60	6	○
PHEX50R05166006	5.0	0.5R	5.0	16	60	6	○
PHEX50R05306006	5.0	0.5R	5.0	30	60	6	○
PHEX50R10166006	5.0	1.0R	5.0	16	60	6	○
PHEX50R10306006	5.0	1.0R	5.0	30	60	6	○

P-HEX 4 flutes high strength flat end mills

四刃强力平底铣刀









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX4F01001502505004	1.0	1.5	2.5	50	4	○
PHEX4F02003005005004	2.0	3.0	5.0	50	4	○
PHEX4F03004507505006	3.0	4.5	7.5	50	6	○
PHEX4F04006010005006	4.0	6.0	10.0	50	6	○
PHEX4F05007512505006	5.0	7.5	12.5	50	6	○
PHEX4F06009015005006	6.0	9.0	15.0	50	6	○
PHEX4F08012020006008	8.0	12.0	20.0	60	8	○
PHEX4F10015025075010	10.0	15.0	25.0	75	10	○
PHEX4F12018030075012	12.0	18.0	30.0	75	12	○
PHEX4F16024040100016	16.0	24.0	40.0	100	16	○
PHEX4F20030050100020	20.0	30.0	50.0	100	20	○

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX4F1/8-B	1/8	5/32	1 /2	2-1/2	1/4	○
PHEX4F3/16-B	3/16	7/32	3/4	2-1/2	1/4	○
PHEX4F1/4-B	1/4	9/32	3/4	2-1/2	1/4	○
PHEX4F5/16-B	5/16	13/32	1	2-1/2	5/16	○
PHEX4F3/8-B	3/8	15/32	1	2-1/2	3/8	○
PHEX4F1/2-B	1/2	5/8	1-1/4	3	1/2	○
PHEX4F5/8-B	5/8	3/4	1-1/2	3-1/2	5/8	○
PHEX4F3/4-B	3/4	15/16	1-3/4	4	3/4	○

★ WORK MATERAIL 被削材质

P-HEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差
Φ ≤12.0	0--0.02
Φ >12.0	0--0.03

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 55	HRC 60	HRC 65
Vc	160M/min	150M/min	99M/min

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



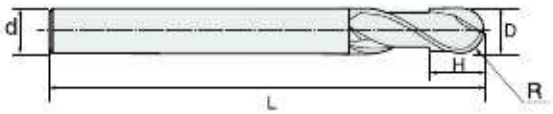
Milling amount (mm)	ap	ae
	1.0D	0.02D
	≤Max=0.2mm以下	
	ap	ae
	1.0D	0.01D
	≤Max=0.2mm以下	
	ap	ae
	1.0D	0.01D
	≤Max=0.2mm以下	

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

P-HEX 4 flutes high strength ball nose end mills

二刃强力球頭銑刀









B39

Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX2FR0050100100205004	0.50R	1.0	1.0	2	50	4	○
PHEX2FR0075150150305004	0.75R	1.5	1.5	3	50	4	○
PHEX2FR0100200200405006	1.00R	2.0	2.0	4	50	6	○
PHEX2FR0150300300605006	1.50R	3.0	3.0	6	50	6	○
PHEX2FR0200400400805006	2.00R	4.0	4.0	8	50	6	○
PHEX2FR0250500501005006	2.50R	5.0	5.0	10	50	6	○
PHEX2FR0300600601205006	3.00R	6.0	6.0	12	50	6	○
PHEX2FR0400800801606008	4.00R	8.0	8.0	16	60	8	○
PHEX2FR0501001002007510	5.00R	10.0	10.0	20	75	10	○
PHEX2FR0601201202407512	6.00R	12.0	12.0	24	75	12	○
PHEX2FR0801601603210016	8.00R	16.0	16.0	32	100	16	○

★ WORK MATERAIL 被削材质

P-HEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
●	●	●	●

★ TOLERANCES 公差

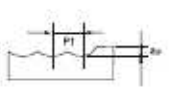
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差
Φ ≤ 12.0	R ± 0.01
Φ > 12.0	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 55	HRC 60	HRC 65
Vc	190M/min	175M/min	95M/min

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

Milling amount (mm)

	Ae	Pi
R<8	0.02D	0.1D
R>8	0.32mm	0.1D

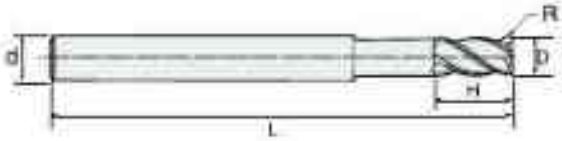


The feed & RPM may be changed depending on the M/C Conditions,Lubricating & Cooling systems.

P-HEX 4 flutes high strength corner radius end mills

四刃強力高轉速刀







Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PHEX4F03GR01003005006	0.1R	3	3	7.5	50	6	○
PHEX4F030R05003005006	0.5R	3	3	7.5	50	6	○
PHEX4F040R02004005006	0.2R	4	4	10.0	50	6	○
PHEX4F040R05004005006	0.5R	4	4	10.0	50	6	○
PHEX4F050R02005005006	0.2R	5	5	12.5	50	6	○
PHEX4F050R05005005006	0.5R	5	5	12.5	50	6	○
PHEX4F060R02006005006	0.2R	6	6	15.0	50	6	○
PHEX4F060R05006005006	0.5R	6	6	15.0	50	6	○
PHEX4F060R10006005006	1.0R	6	6	15.0	50	6	○
PHEX4F080R03008006008	0.3R	8	8	20.0	60	8	○
PHEX4F080R05008006008	0.5R	8	8	20.0	60	8	○
PHEX4F080R10008006008	1.0R	8	8	20.0	60	8	○
PHEX4F080R15008006008	1.5R	8	8	20.0	60	8	○
PHEX4F100R03010007510	0.3R	10	10	25.0	75	10	○
PHEX4F100R05010007510	0.5R	10	10	25.0	75	10	○
PHEX4F100R10010007510	1.0R	10	10	25.0	75	10	○
PHEX4F100R15010007510	1.5R	10	10	25.0	75	10	○
PHEX4F100R20010007510	2.0R	10	10	25.0	75	10	○
PHEX4F120R03012007512	0.3R	12	12	30.0	75	12	○
PHEX4F120R05012007512	0.5R	12	12	30.0	75	12	○
PHEX4F120R10012007512	1.0R	12	12	30.0	75	12	○
PHEX4F120R15012007512	1.5R	12	12	30.0	75	12	○
PHEX4F120R20012007512	2.0R	12	12	30.0	75	12	○

☆ WORK MATERAIL 被削材質

P-HEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 淬硬模具鋼	S316 淬硬不銹鋼
●	●	●	●

☆ TOLERANCES 公差

Blade diameter 刃徑基準	Blade diameter tolerance 刃徑基準的公差
Φ＜12.0	0~-0.02
Φ＞12.0	0~-0.03

R	R diameter tolerance
R	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼		Hardened steel 淬火鋼		Hardened steel 淬火鋼	
Material code 材質編碼	SKT,SKD		SKT,SKD		SKT,SKD	
Hardness grade 硬度等級	HRC 35~45		HRC 45~55		HRC 55~60	
Vc	110M/min		85M/min		79M/min	
Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
3MM	11,000	1,150	10,000	930	8,400	530
4MM	8,800	1,070	7,600	780	6,300	460
5MM	7,000	890	6,000	730	5,000	420
6MM	5,900	810	5,000	660	4,200	400
8MM	4,400	840	3,800	610	3,200	400
10MM	3,500	830	3,000	610	2,550	400
12MM	2,900	830	2,500	610	2,100	400

Milling amount (mm)





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

P-CEX

Suitable for 50°-60° mirror molds, precision instruments, aviation precision parts, stainless steel, titanium alloy, hardened precision parts

适合50°-60°镜面模具，精密仪器，航空精密零件，不锈钢，钛合金，加硬精密零件

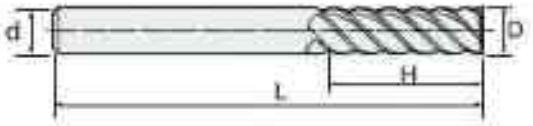
德国进口材质	German imported material
瑞士纳米涂层技术	Swiss nano-coating technology
超高精度定制	Ultra high precision customization
红外3D检测	Infrared 3D detection
新型独特刃部设计	New unique flute design



P-CEX 6 flutes square end mills







Product Code	Blade diameter	Effective length	Full	Shank	Inventory
P-CEX6F04001105006	4.0	11	50	6	O
P-CEX6F05001305006	5.0	13	50	6	O
P-CEX6F06001505006	6.0	15	50	6	O
P-CEX6F08002006008	8.0	20	60	8	O
P-CEX6F10002507510	10.0	25	75	10	O
P-CEX6F12003007512	12.0	30	75	12	O
P-CEX6F16004010016	16.0	40	100	16	O
P-CEX6F20004010020	20.0	40	100	20	O
P-CEX6F25004610025	25.0	45	100	25	O

☆ WORK MATERAIL

P-CEX

P20 S45C	SCM SK	SKT SKD	S316
•	•	•	•

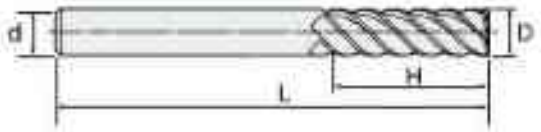
☆ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ4.0~Φ6.4	-0.01~-0.03	H5
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-CEX Long flute 6 flutes square end mills







Product Code	Blade diameter	Effective length	Full	Shank	Inventory
PCEX6F0400160750S	4.0	16	75	6	O
PCEX6F0500200750S	5.0	20	75	6	O
PCEX6F0600250750S	6.0	25	75	6	O
PCEX6F0800300750S	8.0	30	75	8	O
PCEX6F0400201000S	4.0	20	100	6	O
PCEX6F0500251000S	5.0	25	100	6	O
PCEX6F0600301000S	6.0	30	100	6	O
PCEX6F0800351000S	8.0	35	100	8	O
PCEX6F1000401001O	10.0	40	100	10	O
PCEX6F1200451001Z	12.0	45	100	12	O
PCEX6F0800501500S	8.0	50	150	8	O
PCEX6F1000501501O	10.0	50	150	10	O
PCEX6F1200501501Z	12.0	50	150	12	O
PCEX6F1600701501S	16.0	70	150	16	O
PCEX6F2000701502O	20.0	70	150	20	O
PCEX6F2500801502S	25.0	80	150	25	O

★ WORK MATERAIL

P-CEX

P20 S45C	SCM SK	SKT SKD	S316
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★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ4.0~Φ6.4	-0.01~-0.03	H5
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-CEX 2 flutes square end mills









Product Code	Blade diameter	Blade length	Full	Shank	Inventory
PCEX2F01003005004	1.0	3	50	4	O
PCEX2F01504005004	1.5	4	50	4	O
PCEX2F02006005004	2.0	6	50	4	O
PCEX2F02507005004	2.5	7	50	4	O
PCEX2F03008005004	3.0	8	50	4	O
PCEX2F03510005004	3.5	10	50	4	O
PCEX2F04011005004	4.0	11	50	4	O
PCEX2F01003005006	1.0	3	50	6	O
PCEX2F01504005006	1.5	4	50	6	O
PCEX2F02006005006	2.0	6	50	6	O
PCEX2F02507005006	2.5	7	50	6	O
PCEX2F03008005006	3.0	8	50	6	O
PCEX2F03510005006	3.5	10	50	6	O
PCEX2F04011005006	4.0	11	50	6	O
PCEX2F04513005006	4.5	13	50	6	O
PCEX2F05013005006	5.0	13	50	6	O
PCEX2F05513005006	5.5	13	50	6	O
PCEX2F06015005006	6.0	15	50	6	O
PCEX2F06517006008	6.5	17	60	8	O
PCEX2F07017006008	7.0	17	60	8	O
PCEX2F07517006008	7.5	17	60	8	O
PCEX2F08020006008	8.0	20	60	8	O
PCEX2F08523007510	8.5	23	75	10	O
PCEX2F09023007510	9.0	23	75	10	O
PCEX2F09525007510	9.5	25	75	10	O
PCEX2F10025007510	10.0	25	75	10	O
PCEX2F10525007512	10.5	25	75	12	O
PCEX2F11028007512	11.0	28	75	12	O
PCEX2F11528007512	11.5	28	75	12	O
PCEX2F12030007512	12.0	30	75	12	O
PCEX2F13040010014	13.0	40	100	14	O
PCEX2F14040010014	14.0	40	100	14	O
PCEX2F15040010016	15.0	40	100	16	O
PCEX2F16040010016	16.0	40	100	16	O
PCEX2F17040010018	17.0	40	100	18	O
PCEX2F18040010018	18.0	40	100	18	O
PCEX2F19040010020	19.0	40	100	20	O
PCEX2F20040010020	20.0	40	100	20	O
PCEX2F22040010025	22.0	40	100	25	O
PCEX2F25040010025	25.0	40	100	25	O

★ WORK MATERAIL

P-CEX

P20 S45C	SCM SK	SKT SKD	S316
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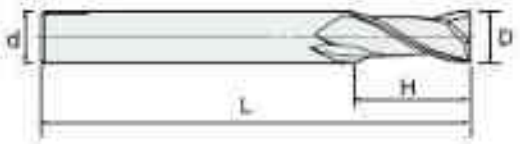
★ TOLERANCES

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

P-CEX Long shank 2 flutes square end mills







Product Code	Blade diameter	Blade length	Full	Shank	Inventory
PCEX2F01003007504	1.0	3	75	4	O
PCEX2F01504507504	1.5	4.5	75	4	O
PCEX2F02006007504	2.0	6	75	4	O
PCEX2F02507007504	2.5	7	75	4	O
PCEX2F03008007504	3.0	8	75	4	O
PCEX2F03510007504	3.5	10	75	4	O
PCEX2F04011007504	4.0	11	75	4	O
PCEX2F04513007506	4.5	13	75	6	O
PCEX2F05013007506	5.0	13	75	6	O
PCEX2F05513007506	5.5	13	75	6	O
PCEX2F06015007506	6.0	15	75	6	O
PCEX2F06517007508	6.5	17	75	8	O
PCEX2F07017007508	7.0	17	75	8	O
PCEX2F07517007508	7.5	17	75	8	O
PCEX2F08020007508	8.0	20	75	8	O
PCEX2F03008010006	3.0	8	100	6	O
PCEX2F04011010006	4.0	11	100	6	O
PCEX2F05013010006	5.0	13	100	6	O
PCEX2F06015010006	6.0	15	100	6	O
PCEX2F07017010008	7.0	17	100	8	O
PCEX2F08020010008	8.0	20	100	8	O
PCEX2F09023010010	9.0	23	100	10	O
PCEX2F10025010010	10.0	25	100	10	O
PCEX2F11028010012	11.0	28	100	12	O
PCEX2F12030010012	12.0	30	100	12	O
PCEX2F08020015008	8.0	20	150	8	O
PCEX2F10025015010	10.0	25	150	10	O
PCEX2F12030015012	12.0	30	150	12	O
PCEX2F16030015016	16.0	30	150	16	O
PCEX2F18040015018	18.0	40	150	18	O
PCEX2F20040015020	20.0	40	150	20	O
PCEX2F16040020016	16.0	40	200	16	O
PCEX2F20040020020	20.0	40	200	20	O

★ WORK MATERAIL

P-CEX

P20 S45C	SCM SK	SKT SKD	S316
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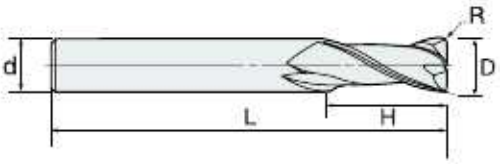
★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-CEX 2 flutes corner radius end mills

圆鼻 2刃立铣刀









B46

Product Code 产品编号	Blade diameter 刃径	R	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
PCEX2F010R0203005004	1.0	0.2	3	50	4	○
PCEX2F015R0204005004	1.5	0.2	4	50	4	○
PCEX2F015R0504005004	1.5	0.5	4	50	4	○
PCEX2F020R0206005004	2.0	0.2	6	50	4	○
PCEX2F020R0506005004	2.0	0.5	6	50	4	○
PCEX2F025R0208005004	2.5	0.2	8	50	4	○
PCEX2F025R0508005004	2.5	0.5	8	50	4	○
PCEX2F030R0208005004	3.0	0.2	8	50	4	○
PCEX2F030R0508005004	3.0	0.5	8	50	4	○
PCEX2F030R1008005004	3.0	1.0	8	50	4	○
PCEX2F040R0211005004	4.0	0.2	11	50	4	○
PCEX2F040R0511005004	4.0	0.5	11	50	4	○
PCEX2F040R1011005004	4.0	1.0	11	50	4	○
PCEX2F050R0513005006	5.0	0.5	13	50	6	○
PCEX2F050R1013005006	5.0	1.0	13	50	6	○
PCEX2F060R0215005006	6.0	0.2	15	50	6	○
PCEX2F060R0515005006	6.0	0.5	15	50	6	○
PCEX2F060R1015005006	6.0	1.0	15	50	6	○
PCEX2F060R1515005006	6.0	1.5	15	50	6	○
PCEX2F060R2015005006	6.0	2.0	15	50	6	○
PCEX2F080R0520006008	8.0	0.5	20	60	8	○
PCEX2F080R1020006008	8.0	1.0	20	60	8	○
PCEX2F080R1520006008	8.0	1.5	20	60	8	○
PCEX2F080R2020006008	8.0	2.0	20	60	8	○
PCEX2F100R0525007510	10.0	0.5	25	75	10	○
PCEX2F100R1025007510	10.0	1.0	25	75	10	○
PCEX2F100R1525007510	10.0	1.5	25	75	10	○
PCEX2F100R2025007510	10.0	2.0	25	75	10	○
PCEX2F100R2525007510	10.0	2.5	25	75	10	○
PCEX2F100R3025007510	10.0	3.0	25	75	10	○
PCEX2F120R0530007512	12.0	0.5	30	75	12	○
PCEX2F120R1030007512	12.0	1.0	30	75	12	○
PCEX2F120R1530007512	12.0	1.5	30	75	12	○
PCEX2F120R2030007512	12.0	2.0	30	75	12	○
PCEX2F120R2530007512	12.0	2.5	30	75	12	○
PCEX2F120R3030007512	12.0	3.0	30	75	12	○

★ WORK MATERAIL 被削材质

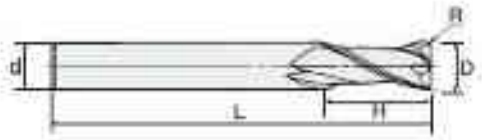
P-CEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0-Φ2.9	0~-0.02	H5
Φ3.0-Φ6.0	-0.01~-0.03	
Φ6.5-Φ10.5	-0.01~-0.035	
Φ11.0-Φ12.0	-0.01~-0.04	







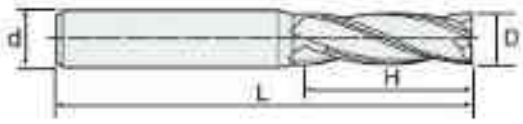
Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory
PCEX2F010R0203007504	1.0	0.2	3	75	4	O
PCEX2F015R0204007504	1.5	0.2	4	75	4	O
PCEX2F015R0504007504	1.5	0.5	4	75	4	O
PCEX2F020R0206007504	2.0	0.2	6	75	4	O
PCEX2F020R0506007504	2.0	0.5	6	75	4	O
PCEX2F025R0208007504	2.5	0.2	8	75	4	O
PCEX2F025R0508007504	2.5	0.5	8	75	4	O
PCEX2F030R0208007504	3.0	0.2	8	75	4	O
PCEX2F030R0508007504	3.0	0.5	8	75	4	O
PCEX2F030R1008007504	3.0	1.0	8	75	4	O
PCEX2F040R0211007504	4.0	0.2	11	75	4	O
PCEX2F040R0511007504	4.0	0.5	11	75	4	O
PCEX2F040R1011007504	4.0	1.0	11	75	4	O
PCEX2F050R0513007506	5.0	0.5	13	75	6	O
PCEX2F050R1013007506	5.0	1.0	13	75	6	O
PCEX2F060R0215007506	6.0	0.2	15	75	6	O
PCEX2F060R0515007506	6.0	0.5	15	75	6	O
PCEX2F060R1015007506	6.0	1.0	15	75	6	O
PCEX2F060R1515007506	6.0	1.5	15	75	6	O
PCEX2F060R2015007506	6.0	2.0	15	75	6	O
PCEX2F080R0520007508	8.0	0.5	20	75	8	O
PCEX2F080R1020007508	8.0	1.0	20	75	8	O
PCEX2F080R1520007508	8.0	1.5	20	75	8	O
PCEX2F080R2020007508	8.0	2.0	20	75	8	O
PCEX2F040R0211010006	4.0	0.2	11	100	6	O
PCEX2F040R0511010006	4.0	0.5	11	100	6	O
PCEX2F040R1011010006	4.0	1.0	11	100	6	O
PCEX2F050R0513010006	5.0	0.5	13	100	6	O
PCEX2F050R1013010006	5.0	1.0	13	100	6	O
PCEX2F060R0215010006	6.0	0.2	15	100	6	O
PCEX2F060R0515010006	6.0	0.5	15	100	6	O
PCEX2F060R1015010006	6.0	1.0	15	100	6	O
PCEX2F060R1515010006	6.0	1.5	15	100	6	O
PCEX2F060R2015010006	6.0	2.0	15	100	6	O
PCEX2F080R0520010008	8.0	0.5	20	100	8	O
PCEX2F080R1020010008	8.0	1.0	20	100	8	O
PCEX2F080R1520010008	8.0	1.5	20	100	8	O
PCEX2F080R2020010008	8.0	2.0	20	100	8	O
PCEX2F100R0525010010	10.0	0.5	25	100	10	O
PCEX2F100R1025010010	10.0	1.0	25	100	10	O
PCEX2F100R1525010010	10.0	1.5	25	100	10	O
PCEX2F100R2025010010	10.0	2.0	25	100	10	O
PCEX2F100R2525010010	10.0	2.5	25	100	10	O
PCEX2F100R3025010010	10.0	3.0	25	100	10	O
PCEX2F120R0530010012	12.0	0.5	30	100	12	O
PCEX2F120R1030010012	12.0	1.0	30	100	12	O
PCEX2F120R1530010012	12.0	1.5	30	100	12	O
PCEX2F120R2030010012	12.0	2.0	30	100	12	O
PCEX2F120R2530010012	12.0	2.5	30	100	12	O
PCEX2F120R3030010012	12.0	3.0	30	100	12	O

■Special specifications can be customized ■特殊规格可定制。

P-CEX 4 flutes square end mills

4刃立銑刀







Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
PCEX4F01003005004	1.0	3	50	4	○
PCEX4F01504505004	1.5	4.5	50	4	○
PCEX4F02006005004	2.0	6	50	4	○
PCEX4F02507005004	2.5	7	50	4	○
PCEX4F03008005004	3.0	8	50	4	○
PCEX4F03510005004	3.5	10	50	4	○
PCEX4F04011005004	4.0	11	50	4	○
PCEX4F04513005006	4.5	13	50	6	○
PCEX4F05013005006	5.0	13	50	6	○
PCEX4F05513005006	5.5	13	50	6	○
PCEX4F06015005006	6.0	15	50	6	○
PCEX4F06517006008	6.5	17	60	8	○
PCEX4F07017006008	7.0	17	60	8	○
PCEX4F07517006008	7.5	17	60	8	○
PCEX4F08020006008	8.0	20	60	8	○
PCEX4F08523007510	8.5	23	75	10	○
PCEX4F09023007510	9.0	23	75	10	○
PCEX4F09525007510	9.5	25	75	10	○
PCEX4F10025007510	10.0	25	75	10	○
PCEX4F10525007512	10.5	25	75	12	○
PCEX4F11028007512	11.0	28	75	12	○
PCEX4F11528007512	11.5	28	75	13	○
PCEX4F12030007512	12.0	30	75	13	○
PCEX4F13033010014	13.0	33	100	16	○
PCEX4F14035010014	14.0	35	100	16	○
PCEX4F15038010016	15.0	38	100	16	○
PCEX4F16040010016	16.0	40	100	16	○
PCEX4F17040010018	17.0	40	100	20	○
PCEX4F18040010018	18.0	40	100	20	○
PCEX4F19040010020	19.0	40	100	20	○
PCEX4F20040010020	20.0	40	100	20	○
PCEX4F22040010025	22.0	40	100	25	○
PCEX4F25040010025	25.0	40	100	25	○

★ WORK MATERAIL 被削材適

P-CEX

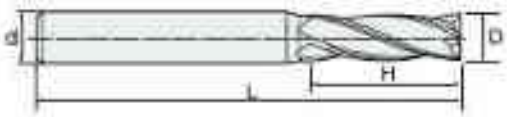
P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-CEX Long shank 4 flutes square end mills







Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
PCEX4F01003007504	1.0	3	75	4	O
PCEX4F01504507504	1.5	4.5	75	4	O
PCEX4F02006007504	2.0	6	75	4	O
PCEX4F02507007504	2.5	7	75	4	O
PCEX4F03008007504	3.0	8	75	4	O
PCEX4F03510007504	3.5	10	75	4	O
PCEX4F04011007504	4.0	11	75	4	O
PCEX4F04513007506	4.5	13	75	6	O
PCEX4F05013007506	5.0	13	75	6	O
PCEX4F05513007506	5.5	13	75	6	O
PCEX4F06015007506	6.0	15	75	6	O
PCEX4F06617007508	6.5	17	75	8	O
PCEX4F07017007508	7.0	17	75	8	O
PCEX4F07517007508	7.5	17	75	8	O
PCEX4F08020007508	8.0	20	75	8	O
PCEX4F03008010006	3.0	8	100	6	O
PCEX4F04011010006	4.0	11	100	6	O
PCEX4F05013010006	5.0	13	100	6	O
PCEX4F06015010006	6.0	15	100	6	O
PCEX4F07017010008	7.0	17	100	8	O
PCEX4F08020010008	8.0	20	100	8	O
PCEX4F09023010010	9.0	23	100	10	O
PCEX4F10025010010	10.0	25	100	10	O
PCEX4F11028010012	11.0	28	100	12	O
PCEX4F12030010012	12.0	30	100	12	O
PCEX4F08020015008	8.0	20	150	8	O
PCEX4F10025015010	10.0	25	150	10	O
PCEX4F12030015012	12.0	30	150	12	O
PCEX4F16040015016	16.0	40	150	16	O
PCEX4F18040015018	18.0	40	150	18	O
PCEX4F20040015020	20.0	40	150	20	O
PCEX4F16040020016	16.0	40	200	16	O
PCEX4F20040020020	20.0	40	200	20	O

★ WORK MATERAIL 被削材質

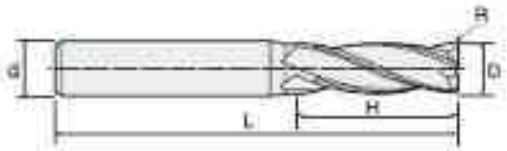
P-CEX

P20 S45C 機械鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	







Product Code 产品编号	Blade diameter 刃径	R	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
PCEX4F010R0203005004	1.0	0.2	3	50	4	O
PCEX4F015R0204005004	1.5	0.2	4	50	4	O
PCEX4F015R0504005004	1.5	0.5	4	50	4	O
PCEX4F020R0206005004	2.0	0.2	6	50	4	O
PCEX4F020R0506005004	2.0	0.5	6	50	4	O
PCEX4F025R0208005004	2.5	0.2	8	50	4	O
PCEX4F025R0508005004	2.5	0.5	8	50	4	O
PCEX4F030R0208005004	3.0	0.2	8	50	4	O
PCEX4F030R0508005004	3.0	0.5	8	50	4	O
PCEX4F030R1008005004	3.0	1.0	8	50	4	O
PCEX4F040R0211005004	4.0	0.2	11	50	4	O
PCEX4F040R0511005004	4.0	0.5	11	50	4	O
PCEX4F040R1011005004	4.0	1.0	11	50	4	O
PCEX4F050R0513005006	5.0	0.5	13	50	6	O
PCEX4F050R1013005006	5.0	1.0	13	50	6	O
PCEX4F060R0215005006	6.0	0.2	15	50	6	O
PCEX4F060R0515005006	6.0	0.5	15	50	6	O
PCEX4F060R1015005006	6.0	1.0	15	50	6	O
PCEX4F060R1515005006	6.0	1.5	15	50	6	O
PCEX4F060R2015005006	6.0	2.0	15	50	6	O
PCEX4F080R0520006008	8.0	0.5	20	60	8	O
PCEX4F080R1020006008	8.0	1.0	20	60	8	O
PCEX4F080R1520006008	8.0	1.5	20	60	8	O
PCEX4F080R2020006008	8.0	2.0	20	60	8	O
PCEX4F100R0525007510	10.0	0.5	25	75	10	O
PCEX4F100R1025007510	10.0	1.0	25	75	10	O
PCEX4F100R1525007510	10.0	1.5	25	75	10	O
PCEX4F100R2025007510	10.0	2.0	25	75	10	O
PCEX4F100R2525007510	10.0	2.5	25	75	10	O
PCEX4F100R3025007510	10.0	3.0	25	75	10	O
PCEX4F120R0530007512	12.0	0.5	30	75	12	O
PCEX4F120R1030007512	12.0	1.0	30	75	12	O
PCEX4F120R1530007512	12.0	1.5	30	75	12	O
PCEX4F120R2030007512	12.0	2.0	30	75	12	O
PCEX4F120R2530007512	12.0	2.5	30	75	12	O
PCEX4F120R3030007512	12.0	3.0	30	75	12	O

☆ WORK MATERAIL 被削材质

P-CEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
•	•	•	•

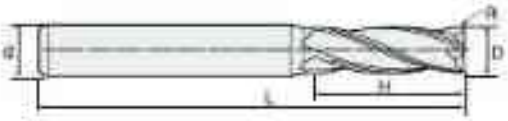
☆ TOLERANCES 公差

Blade diameter 刃径直径	Blade diameter tolerance 刃径直径公差	Shank diameter tolerance 柄径直径公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

P-CEX Long shank 4 flutes corner radius end mills

長柄圓鼻 4刃立銑刀





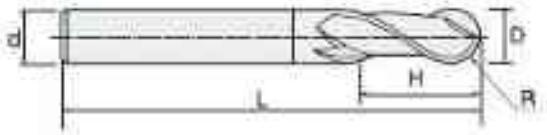




Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
PCEX4F010R0203007504	1.0	0.2	3	75	4	O
PCEX4F015R0204007504	1.5	0.2	4	75	4	O
PCEX4F015R0504007504	1.5	0.5	4	75	4	O
PCEX4F020R0206007504	2.0	0.2	6	75	4	O
PCEX4F020R0506007504	2.0	0.5	6	75	4	O
PCEX4F025R0208007504	2.5	0.2	8	75	4	O
PCEX4F025R0508007504	2.5	0.5	8	75	4	O
PCEX4F030R0208007504	3.0	0.2	8	75	4	O
PCEX4F030R0508007504	3.0	0.5	8	75	4	O
PCEX4F030R1008007504	3.0	1.0	8	75	4	O
PCEX4F040R0211007504	4.0	0.2	11	75	4	O
PCEX4F040R0511007504	4.0	0.5	11	75	4	O
PCEX4F040R1011007504	4.0	1.0	11	75	4	O
PCEX4F050R0513007506	5.0	0.5	13	75	6	O
PCEX4F050R1013007506	5.0	1.0	13	75	6	O
PCEX4F060R0215007506	6.0	0.2	15	75	6	O
PCEX4F060R0515007506	6.0	0.5	15	75	6	O
PCEX4F060R1015007506	6.0	1.0	15	75	6	O
PCEX4F060R1515007506	6.0	1.5	15	75	6	O
PCEX4F060R2015007506	6.0	2.0	15	75	6	O
PCEX4F080R0520007508	8.0	0.5	20	75	8	O
PCEX4F080R1020007508	8.0	1.0	20	75	8	O
PCEX4F080R1520007508	8.0	1.5	20	75	8	O
PCEX4F080R2020007508	8.0	2.0	20	75	8	O
PCEX4F040R0211010006	4.0	0.2	11	100	6	O
PCEX4F040R0511010006	4.0	0.5	11	100	6	O
PCEX4F040R1011010006	4.0	1.0	11	100	6	O
PCEX4F050R0513010006	5.0	0.5	13	100	6	O
PCEX4F050R1013010006	5.0	1.0	13	100	6	O
PCEX4F060R0215010006	6.0	0.2	15	100	6	O
PCEX4F060R0515010006	6.0	0.5	15	100	6	O
PCEX4F060R1015010006	6.0	1.0	15	100	6	O
PCEX4F060R1515010006	6.0	1.5	15	100	6	O
PCEX4F060R2015010006	6.0	2.0	15	100	6	O
PCEX4F080R0520010008	8.0	0.5	20	100	8	O
PCEX4F080R1020010008	8.0	1.0	20	100	8	O
PCEX4F080R1520010008	8.0	1.5	20	100	8	O
PCEX4F080R2020010008	8.0	2.0	20	100	8	O
PCEX4F100R0525010010	10.0	0.5	25	100	10	O
PCEX4F100R1025010010	10.0	1.0	25	100	10	O
PCEX4F100R1525010010	10.0	1.5	25	100	10	O
PCEX4F100R2025010010	10.0	2.0	25	100	10	O
PCEX4F100R2525010010	10.0	2.5	25	100	10	O
PCEX4F100R3025010010	10.0	3.0	25	100	10	O
PCEX4F120R0530010012	12.0	0.5	30	100	12	O
PCEX4F120R1030010012	12.0	1.0	30	100	12	O
PCEX4F120R1530010012	12.0	1.5	30	100	12	O
PCEX4F120R2030010012	12.0	2.0	30	100	12	O
PCEX4F120R2530010012	12.0	2.5	30	100	12	O
PCEX4F120R3030010012	12.0	3.0	30	100	12	O

■Special specifications can be customized. ■特殊規格可訂製。





B52

Product Code 产品编号	R Blade R值	Blade length 刃长	Full 全长	Shank 柄径	Inventary 库存
PCEX2FR005002005004	R0.50	2.0	50	4	○
PCEX2FR007503005004	R0.75	3.0	50	4	○
PCEX2FR010004005004	R1.00	4.0	50	4	○
PCEX2FR012505005004	R1.25	5.0	50	4	○
PCEX2FR015006005004	R1.50	6.0	50	4	○
PCEX2FR017507005004	R1.75	7.0	50	4	○
PCEX2FR020008005004	R2.00	8.0	50	4	○
PCEX2FR005002005006	R0.50	2.0	50	6	○
PCEX2FR007503005006	R0.75	3.0	50	6	○
PCEX2FR010004005006	R1.00	4.0	50	6	○
PCEX2FR012505005006	R1.25	5.0	50	6	○
PCEX2FR015006005006	R1.50	6.0	50	6	○
PCEX2FR017507005006	R1.75	7.0	50	6	○
PCEX2FR020008005006	R2.00	8.0	50	6	○
PCEX2FR022509005006	R2.25	9.0	50	6	○
PCEX2FR025010005006	R2.50	10.0	50	6	○
PCEX2FR027511005006	R2.75	11.0	50	6	○
PCEX2FR030012005006	R3.00	12.0	50	6	○
PCEX2FR032513006008	R3.25	13.0	60	8	○
PCEX2FR035014006008	R3.50	14.0	60	8	○
PCEX2FR037519006008	R3.75	15.0	60	8	○
PCEX2FR040016006008	R4.00	16.0	60	8	○
PCEX2FR045018007510	R4.50	18.0	75	10	○
PCEX2FR050020007510	R5.00	20.0	75	10	○
PCEX2FR060024007512	R6.00	24.0	75	12	○
PCEX2FR070030010014	R7.00	30.0	100	14	○
PCEX2FR080030010016	R8.00	30.0	100	16	○
PCEX2FR090030010018	R9.00	30.0	100	18	○
PCEX2FR100030010020	R10.0	30.0	100	20	○
PCEX2FR125030010025	R12.5	30.0	100	25	○

★ WORK MATERAIL 被削材质

P-CEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

R	R diameter tolerance
R	R±0.015

★ TOLERANCES 公差

Blade diameter 刃径直径	Blade diameter tolerance 刃径直径公差	Shank diameter tolerance 柄径直径公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-CEX Long shank 2 flutes ball nose end mills





Product Code	R Blade	Blade length	Full	Shank	Inventory
PCEX2FR005002007504	R0.50	2	75	4	O
PCEX2FR007503007504	R0.75	3	75	4	O
PCEX2FR010004007504	R1.00	4	75	4	O
PCEX2FR012505007504	R1.25	5	75	4	O
PCEX2FR015006007504	R1.50	6	75	4	O
PCEX2FR017507007504	R1.75	7	75	4	O
PCEX2FR020008007504	R2.00	8	75	4	O
PCEX2FR022509007506	R2.25	9	75	6	O
PCEX2FR025010007506	R2.50	10	75	6	O
PCEX2FR027511007506	R2.75	11	75	6	O
PCEX2FR030012007506	R3.00	12	75	6	O
PCEX2FR040016007508	R4.00	16	75	8	O
PCEX2FR005002010006	R0.50	2	100	6	O
PCEX2FR007503010006	R0.75	3	100	6	O
PCEX2FR010004010006	R1.00	4	100	6	O
PCEX2FR012505010006	R1.25	5	100	6	O
PCEX2FR015006010006	R1.50	6	100	6	O
PCEX2FR017507010006	R1.75	7	100	6	O
PCEX2FR020008010006	R2.00	8	100	6	O
PCEX2FR022509010006	R2.25	9	100	6	O
PCEX2FR025010010006	R2.50	10	100	6	O
PCEX2FR027511010006	R2.75	11	100	6	O
PCEX2FR030012010006	R3.00	12	100	6	O
PCEX2FR040016010008	R4.00	16	100	8	O
PCEX2FR050020010010	R5.00	20	100	10	O
PCEX2FR060024010012	R6.00	24	100	12	O
PCEX2FR030012015006	R3.00	12	150	6	O
PCEX2FR040016015008	R4.00	16	150	8	O
PCEX2FR050020015010	R5.00	20	150	10	O
PCEX2FR060024015012	R6.00	24	150	12	O
PCEX2FR070030015014	R7.00	30	150	14	O
PCEX2FR080030015016	R8.00	30	150	16	O
PCEX2FR100030015020	R10.00	30	150	20	O
PCEX2FR040016020008	R4.00	16	200	8	O
PCEX2FR050020020010	R5.00	20	200	10	O
PCEX2FR060024020012	R6.00	24	200	12	O
PCEX2FR070030020014	R7.00	30	200	14	O
PCEX2FR080030020016	R8.00	30	200	16	O
PCEX2FR100030020020	R10.00	30	200	20	O

★ WORK MATERAIL

P-CEX

P20 S45C	SCM SK	SKT SKD	S316
•	•	•	•

R	R diameter tolerance
R	R ± 0.015

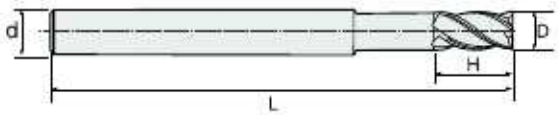
★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

P-CEX 4 flutes high strength flat end mills

四刃强力平底铣刀









B54

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PCEX4F01001502505004	1.0	1.5	2.5	50	4	○
PCEX4F02003005005004	2.0	3.0	5.0	50	4	○
PCEX4F03004507505006	3.0	4.5	7.5	50	6	○
PCEX4F04006010005006	4.0	6.0	10.0	50	6	○
PCEX4F05007512505006	5.0	7.5	12.5	50	6	○
PCEX4F06009015005006	6.0	9.0	15.0	50	6	○
PCEX4F08012020006008	8.0	12.0	20.0	60	8	○
PCEX4F10015025075010	10.0	15.0	25.0	75	10	○
PCEX4F12018030075012	12.0	18.0	30.0	75	12	○
PCEX4F16024040100016	16.0	24.0	40.0	100	16	○
PCEX4F20030050100020	20.0	30.0	50.0	100	20	○

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PCEX4F1/8-B	1/8	5/32	1 /2	2-1/2	1/4	○
PCEX4F3/16-B	3/16	7/32	3/4	2-1/2	1/4	○
PCEX4F1/4-B	1/4	9/32	3/4	2-1/2	1/4	○
PCEX4F5/16-B	5/16	13/32	1	2-1/2	5/16	○
PCEX4F3/8-B	3/8	15/32	1	2-1/2	3/8	○
PCEX4F1/2-B	1/2	5/8	1-1/4	3	1/2	○
PCEX4F5/8-B	5/8	3/4	1-1/2	3-1/2	5/8	○
PCEX4F3/4-B	3/4	15/16	1-3/4	4	3/4	○

★ WORK MATERAIL 被削材质

P-CEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差
Φ ≤12.0	0--0.02
Φ >12.0	0--0.03

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 45-55	HRC 55-60	HRC 60-70
Vc	160M/min	150M/min	99M/min

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



Milling amount (mm)

ap	ae
1.0D	0.02D
ae Max=0.2mm以下	

ap	ae
1.0D	0.01D
ae Max=0.2mm以下	

ap	ae
1.0D	0.01D
ae Max=0.2mm以下	

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







Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PCEX3FR0050100100205004	0.50R	1.0	1.0	2	50	4	O
PCEX2FR0075150150305004	0.75R	1.5	1.5	3	50	4	O
PCEX2FR0100200200405006	1.00R	2.0	2.0	4	50	6	O
PCEX2FR0150300300605006	1.50R	3.0	3.0	6	50	6	O
PCEX2FR0200400400805006	2.00R	4.0	4.0	8	50	6	O
PCEX2FR0250500501005006	2.50R	5.0	5.0	10	50	6	O
PCEX2FR0300600601205006	3.00R	6.0	6.0	12	50	6	O
PCEX2FR0400800801606008	4.00R	8.0	8.0	16	60	8	O
PCEX2FR0501001002007510	5.00R	10.0	10.0	20	75	10	O
PCEX2FR0601201202407512	6.00R	12.0	12.0	24	75	12	O
PCEX2FR0801601603210016	8.00R	16.0	16.0	32	100	16	O

★ WORK MATERAIL 被削材質

P-CEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃徑規格	Blade diameter tolerance 刃徑直徑公差
Φ ≤ 12.0	R ± 0.01
Φ > 12.0	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 45~55	HRC 55~60	HRC 60~70
Vc	180M/min	175M/min	95M/min

Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
0.5R	30,000	860	30,000	850	25,500	930
1.0R	31,500	1,900	28,500	1,880	16,500	600
1.5R	21,000	2,040	19,000	1,880	10,500	625
2.0R	15,500	2,050	14,000	1,850	7,850	630
2.5R	12,500	2,040	11,000	1,815	6,350	630
3.0R	10,500	2,040	9,500	1,880	5,300	630
4.0R	7,950	1,550	7,150	1,400	3,950	470
5.0R	6,350	1,250	5,700	1,100	3,150	375
6.0R	5,300	1,050	4,750	950	2,650	315
8.0R	3,950	790	3,550	710	1,950	330

Milling amount (mm)



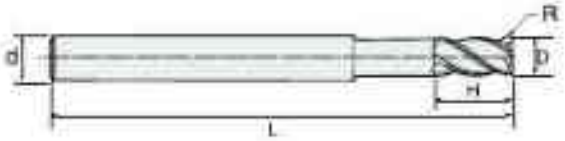


The feed & RPM may be changed depending on the M/C Conditions Lubricating & Cooling systems.

P-CEX 4 flutes high strength corner radius end mills

四刃強力高鼻銑刀







Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
PCEX4F03GR01003005006	0.1R	3	3	7.5	50	6	O
PCEX4F030R05003005006	0.5R	3	3	7.5	50	6	O
PCEX4F040R02004005006	0.2R	4	4	10.0	50	6	O
PCEX4F040R05004005006	0.5R	4	4	10.0	50	6	O
PCEX4F050R02005005006	0.2R	5	5	12.5	50	6	O
PCEX4F050R05005005006	0.5R	5	5	12.5	50	6	O
PCEX4F060R02006005006	0.2R	6	6	15.0	50	6	O
PCEX4F060R05006005006	0.5R	6	6	15.0	50	6	O
PCEX4F060R10006005006	1.0R	6	6	15.0	50	6	O
PCEX4F080R03008006008	0.3R	8	8	20.0	60	8	O
PCEX4F080R05008006008	0.5R	8	8	20.0	60	8	O
PCEX4F080R10008006008	1.0R	8	8	20.0	60	8	O
PCEX4F080R15008006008	1.5R	8	8	20.0	60	8	O
PCEX4F100R03010007510	0.3R	10	10	25.0	75	10	O
PCEX4F100R05010007510	0.5R	10	10	25.0	75	10	O
PCEX4F100R10010007510	1.0R	10	10	25.0	75	10	O
PCEX4F100R15010007510	1.5R	10	10	25.0	75	10	O
PCEX4F100R20010007510	2.0R	10	10	25.0	75	10	O
PCEX4F120R03012007512	0.3R	12	12	30.0	75	12	O
PCEX4F120R05012007512	0.5R	12	12	30.0	75	12	O
PCEX4F120R10012007512	1.0R	12	12	30.0	75	12	O
PCEX4F120R15012007512	1.5R	12	12	30.0	75	12	O
PCEX4F120R20012007512	2.0R	12	12	30.0	75	12	O

★ WORK MATERAIL 被削材質

P-CEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 次硬模具鋼	S316 次硬不銹鋼
•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃徑實際	Blade diameter tolerance 刃徑實際公差
Φ＜12.0	0~-0.02
Φ＞12.0	0~-0.03

R	R diameter tolerance
R	R±0.015

Working material 被切材質	Hardened steel 淬火鋼		Hardened steel 淬火鋼		Hardened steel 淬火鋼	
Material code 材質編碼	SKT,SKD		SKT,SKD		SKT,SKD	
Hardness grade 硬度等級	HRC 35~45		HRC 45~55		HRC 55~60	
Vc	110M/min		85M/min		79M/min	
Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
3MM	11,000	1,150	10,000	930	8,400	530
4MM	8,800	1,070	7,600	780	6,300	460
5MM	7,000	990	6,000	730	5,000	420
6MM	5,900	910	5,000	660	4,200	400
8MM	4,400	840	3,800	610	3,200	400
10MM	3,500	830	3,000	610	2,550	400
12MM	2,900	830	2,500	610	2,100	400

Milling amount (mm)





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

P-FEX

Suitable for processing aluminum alloy, high silicon aluminum alloy, acrylic

适合加工，铝合金，高硅铝合金，亚克力

德国进口材质	German imported material
瑞士纳米涂层技术	Swiss nano-coating technology
超高精度定制	Ultra high precision customization
红外3D检测	Infrared 3D detection
新型独特刃部设计	New unique flute design



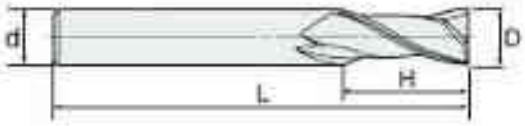
P-FEX 2 Flutes Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

[illegible]





UMG | 0.5μm | 20nm | HIC-55 | NO | HIC-55 | DLC



Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存 NO	Inventory 庫存 DLC
PFEX2F01003005004	1.0	3	50	4	○	○
PFEX2F01504505004	1.5	4.5	50	4	○	○
PFEX2F02006005004	2.0	6	50	4	○	○
PFEX2F02507005004	2.5	7	50	4	○	○
PFEX2F03008005004	3.0	8	50	4	○	○
PFEX2F04011005004	4.0	11	50	4	○	○
PFEX2F05013005006	5.0	13	50	6	○	○
PFEX2F06015005006	6.0	15	50	6	○	○
PFEX2F07018006008	7.0	18	60	8	○	○
PFEX2F08020006008	8.0	20	60	8	○	○
PFEX2F09023007510	9.0	23	75	10	○	○
PFEX2F10025007510	10.0	25	75	10	○	○
PFEX2F11028007512	11.0	28	75	12	○	○
PFEX2F12030007512	12.0	30	75	12	○	○
PFEX2F16045010016	16.0	45	100	16	○	○
PFEX2F20045010020	20.0	45	100	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
铝合金
●

★TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-FEX 2 Flutes long Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

铝合金专用2刃长刃立铣刀(45°螺旋角、双重角)









Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
PFEX2F03012007508	3.0	12	75	6	O	O
PFEX2F04016007506	4.0	16	75	6	O	O
PFEX2F05020007506	5.0	20	75	6	O	O
PFEX2F06025007506	6.0	25	75	6	O	O
PFEX2F08030007508	8.0	30	75	8	O	O
PFEX2F03012010006	3.0	12	100	6	O	O
PFEX2F04016010006	4.0	16	100	6	O	O
PFEX2F05020010006	5.0	20	100	6	O	O
PFEX2F06025010006	6.0	25	100	6	O	O
PFEX2F08030010008	8.0	30	100	8	O	O
PFEX2F10040010010	10.0	40	100	10	O	O
PFEX2F12045010012	12.0	45	100	12	O	O
PFEX2F08040015008	8.0	40	150	8	O	O
PFEX2F10050015010	10.0	50	150	10	O	O
PFEX2F12050015012	12.0	50	150	12	O	O
PFEX2F16070015016	16.0	70	150	16	O	O
PFEX2F20080015020	20.0	80	150	20	O	O

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★ TOLERANCES 公差

Blade diameter 刃径规格	Blade diameter tolerance 刃径规格公差	Shank diameter tolerance 柄径规格公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-FEX 2 Flutes Aluminum Ball Nose End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

鋁合金專用 2刃球型立銑刀(45° 螺旋角、雙後角)





UMG | 0.5μm | CO10% | HRC-50 | NO | HRC-55 | DLC

B60



Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
PFEX 2FR05002005004	R0.50	2	50	4	○	○
PFEX 2FR07503005004	R0.75	3	50	4	○	○
PFEX 2FR10004005004	R1.00	4	50	4	○	○
PFEX 2FR12505005004	R1.25	5	50	4	○	○
PFEX 2FR15006005004	R1.50	6	50	4	○	○
PFEX 2FR17507005004	R1.75	7	50	4	○	○
PFEX 2FR20008005004	R2.00	8	50	4	○	○
PFEX 2FR25010005006	R2.50	10	50	6	○	○
PFEX 2FR30012005006	R3.00	12	50	6	○	○
PFEX 2FR40016006008	R4.00	16	60	8	○	○
PFEX 2FR50020007510	R5.00	20	75	10	○	○
PFEX 2FR60024007512	R6.00	24	75	12	○	○
PFEX 2FR80032010016	R8.00	32	100	16	○	○
PFEX 2FR10040010020	R10.00	40	100	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

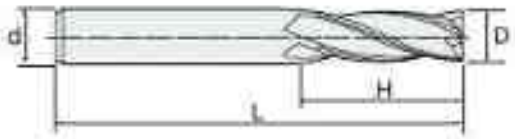
★ TOLERANCES 公差

Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-FEX 3 Flutes Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

铝合金专用3刃立铣刀(45° 螺旋角、双重角)









Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
PFEX3F01003005004	1.0	3	50	4	○	○
PFEX3F01504505004	1.5	4.5	50	4	○	○
PFEX3F02006005004	2.0	6	50	4	○	○
PFEX3F02507005004	2.5	7	50	4	○	○
PFEX3F03008005004	3.0	8	50	4	○	○
PFEX3F04011005004	4.0	11	50	4	○	○
PFEX3F05013005006	5.0	13	50	6	○	○
PFEX3F06015005006	6.0	15	50	6	○	○
PFEX3F07018006008	7.0	18	60	8	○	○
PFEX3F08020006008	8.0	20	60	8	○	○
PFEX3F09023007510	9.0	23	75	10	○	○
PFEX3F10025007510	10.0	25	75	10	○	○
PFEX3F11028007512	11.0	28	75	12	○	○
PFEX3F12030007512	12.0	30	75	12	○	○
PFEX3F16045010016	16.0	45	100	16	○	○
PFEX3F20045010020	20.0	45	100	20	○	○

★ WORK MATERAIL 被削材质

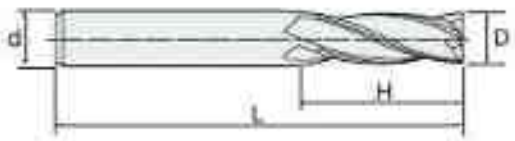
ALUMINUM ALLOY
铝合金
●

★TOLERANCES 公差

Blade diameter 刃径基数	Blade diameter tolerance 刃径基数公差	Shank diameter tolerance 柄径基数公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-FEX 3 Flutes long Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)





B62

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
PFEX3F03012007506	3.0	12	75	6	O	O
PFEX3F04016007506	4.0	16	75	6	O	O
PFEX3F05020007506	5.0	20	75	6	O	O
PFEX3F06025007506	6.0	25	75	6	O	O
PFEX3F08030007508	8.0	30	75	8	O	O
PFEX3F03012010006	3.0	12	100	6	O	O
PFEX3F04016010006	4.0	16	100	6	O	O
PFEX3F05020010006	5.0	20	100	6	O	O
PFEX3F06025010006	6.0	25	100	6	O	O
PFEX3F08030010008	8.0	30	100	8	O	O
PFEX3F10040010010	10.0	40	100	10	O	O
PFEX3F12045010012	12.0	45	100	12	O	O
PFEX3F08040015008	8.0	40	150	8	O	O
PFEX3F10050015010	10.0	50	150	10	O	O
PFEX3F12050015012	12.0	50	150	12	O	O
PFEX3F16070015016	16.0	70	150	16	O	O
PFEX3F20080015020	20.0	80	150	20	O	O

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★ TOLERANCES 公差

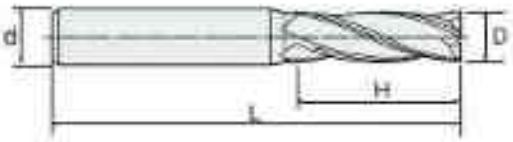
Blade diameter 刃径	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-FEX 3 Flutes Aluminum Square End Mill (55 Degree Helix Angle, Single Axis Relief Angle)

铝合金专用3刃立铣刀(55° 螺旋角、单侧角)







Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
PFEX3F01003005004	1.0	3	50	4	○	○
PFEX3F01504505004	1.5	4.5	50	4	○	○
PFEX3F02006005004	2.0	6	50	4	○	○
PFEX3F02507005004	2.5	7	50	4	○	○
PFEX3F03008005004	3.0	8	50	4	○	○
PFEX3F04011005004	4.0	11	50	4	○	○
PFEX3F05013005006	5.0	13	50	6	○	○
PFEX3F06015005006	6.0	15	50	6	○	○
PFEX3F07018006008	7.0	18	60	8	○	○
PFEX3F08020006008	8.0	20	60	8	○	○
PFEX3F09023007510	9.0	23	75	10	○	○
PFEX3F10025007510	10.0	25	75	10	○	○
PFEX3F11028007512	11.0	28	75	12	○	○
PFEX3F12030007512	12.0	30	75	12	○	○
PFEX3F16045010016	16.0	45	100	16	○	○
PFEX3F20045010020	20.0	45	100	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★ TOLERANCES 公差

Blade diameter 刃径	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

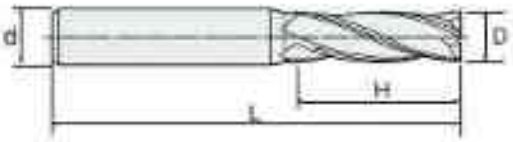
P-FEX 3 Flutes long Aluminum Square End Mill (55 Degree Helix Angle, Single Axis Relief Angle)

[illegible]





UMG | 0.5μm | CD1mL | HIC-55 | NO | HIC-55 | DLC



Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
PFEX3F03012007506	3.0	12	75	6	○	○
PFEX3F04016007506	4.0	16	75	6	○	○
PFEX3F05020007506	5.0	20	75	6	○	○
PFEX3F06025007506	6.0	25	75	6	○	○
PFEX3F08030007506	8.0	30	75	8	○	○
PFEX3F03012010006	3.0	12	100	6	○	○
PFEX3F04016010006	4.0	16	100	6	○	○
PFEX3F05020010006	5.0	20	100	6	○	○
PFEX3F06025010006	6.0	25	100	6	○	○
PFEX3F08030010008	8.0	30	100	8	○	○
PFEX3F10040010010	10.0	40	100	10	○	○
PFEX3F12045010012	12.0	45	100	12	○	○
PFEX3F08040015008	8.0	40	150	8	○	○
PFEX3F10050015010	10.0	50	150	10	○	○
PFEX3F12050015012	12.0	50	150	12	○	○
PFEX3F16070015016	16.0	70	150	16	○	○
PFEX3F20090015020	20.0	80	150	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

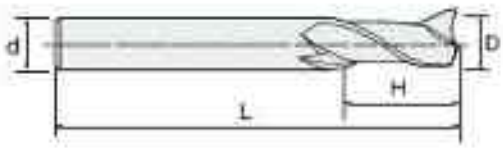
★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-FEX Single Flute End Mill (A for Aluminum)

單刃鎢鋼立銑刀(A鋁專用)





Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
PFEX1F00502006004A	0.50	2	50	4	O	O
PFEX1F01003005004A	1.00	3	50	4	O	O
PFEX1F01504005004A	1.50	4	50	4	O	O
PFEX1F02005005004A	2.00	5	50	4	O	O
PFEX1F02506005004A	2.50	6	50	4	O	O
PFEX1F03007005004A	3.00	7	50	4	O	O
PFEX1F04008005004A	4.00	8	50	4	O	O
PFEX1F05010005006A	5.00	10	50	6	O	O
PFEX1F06012005006A	6.00	12	50	6	O	O
PFEX1F08016006008A	8.00	16	60	8	O	O
PFEX1F10020007510A	10.00	20	75	10	O	O

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

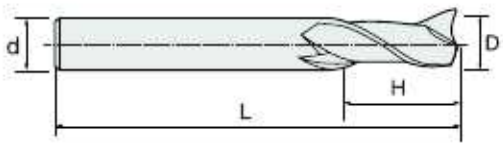
★ TOLERANCES 公差

Blade diameter 刃徑規格	Blade diameter tolerance 刃徑規格公差	Shank diameter tolerance 柄徑規格公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

P-FEX Single Flute End Mill (B for Acrylic)

單刃鏡面立銑刀(B亞克力專用)







UMG | 0.5μm | CO10% | HRC-60 | NO | HRC-55 | DLC

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
PFEX 1F00502005004B	0.50	2	50	4	○	○
PFEX 1F01003005004B	1.00	3	50	4	○	○
PFEX 1F01504005004B	1.50	4	50	4	○	○
PFEX 1F02005005004B	2.00	5	50	4	○	○
PFEX 1F02506005004B	2.50	6	50	4	○	○
PFEX 1F03007005004B	3.00	7	50	4	○	○
PFEX 1F04008005004B	4.00	8	50	4	○	○
PFEX 1F05010005006B	5.00	10	50	6	○	○
PFEX 1F06012005006B	6.00	12	50	6	○	○
PFEX 1F08016006008B	8.00	16	60	8	○	○
PFEX 1F10020007510B	10.00	20	75	10	○	○

★ WORK MATERAIL 被削材質

ACRYLIC

亞克力

●

★ TOLERANCES 公差

Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

GEX

ECONOMICAL SOLUTIONS

AL- General Type Coated End Mill (Black) HRC45

AL-通用型塗層銑刀（黑色塗層）HRC45度

AS- General Type Coated End Mill (Bronze) HRC48

AS-通用型塗層銑刀（古銅色塗層）HRC48度

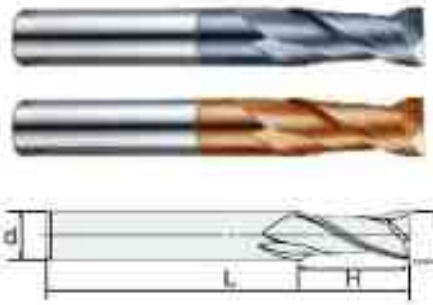


TUNGSTEN ENDMILL

www.dohrecnc.com

GEX 2 flutes square end mills

2刃立銑刀





Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX2F01003005004	1.0	3	50	4	○	○
GEX2F01504005004	1.5	4	50	4	○	○
GEX2F02006005004	2.0	6	50	4	○	○
GEX2F02507005004	2.5	7	50	4	○	○
GEX2F03008005004	3.0	8	50	4	○	○
GEX2F03510005004	3.5	10	50	4	○	○
GEX2F04011005004	4.0	11	50	4	○	○
GEX2F01003005006	1.0	3	50	6	○	○
GEX2F01504005006	1.5	4	50	6	○	○
GEX2F02006005006	2.0	6	50	6	○	○
GEX2F02507005006	2.5	7	50	6	○	○
GEX2F03008005006	3.0	8	50	6	○	○
GEX2F03510005006	3.5	10	50	6	○	○
GEX2F04011005006	4.0	11	50	6	○	○
GEX2F04513005006	4.5	13	50	6	○	○
GEX2F05013005006	5.0	13	50	6	○	○
GEX2F05513005006	5.5	13	50	6	○	○
GEX2F06015005006	6.0	15	50	6	○	○
GEX2F06517006008	6.5	17	60	8	○	○
GEX2F07017006008	7.0	17	60	8	○	○
GEX2F07517006008	7.5	17	60	8	○	○
GEX2F08020006008	8.0	20	60	8	○	○
GEX2F08523007510	8.5	23	75	10	○	○
GEX2F09023007510	9.0	23	75	10	○	○
GEX2F09525007510	9.5	25	75	10	○	○
GEX2F10025007510	10.0	25	75	10	○	○
GEX2F10525007512	10.5	25	75	12	○	○
GEX2F11028007512	11.0	28	75	12	○	○
GEX2F11528007512	11.5	28	75	12	○	○
GEX2F12030007512	12.0	30	75	12	○	○
GEX2F13045010014	13.0	45	100	14	○	○
GEX2F14045010014	14.0	45	100	14	○	○
GEX2F15045010016	15.0	45	100	16	○	○
GEX2F16045010016	16.0	45	100	16	○	○
GEX2F17045010018	17.0	45	100	18	○	○
GEX2F18045010018	18.0	45	100	18	○	○
GEX2F19045010020	19.0	45	100	20	○	○
GEX2F20045010020	20.0	45	100	20	○	○
GEX2F22045010025	22.0	45	100	25	○	○
GEX2F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材质

GEX

P20 S45C	SCM SK	FC FCD	CU
碳素钢	合金钢	铸铁	铜合金
•	•	•	•

★ TOLERANCES 公差

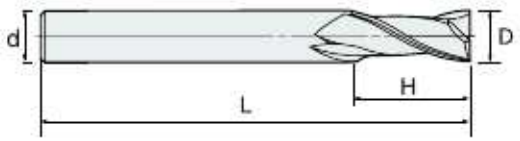
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

GEX Long shank 2 flutes square end mills

長柄標準刃 2刃立銑刀







MG | 0.7μm | CO10% | HRC45 | AlTiNL | HRC48 | AlTiNS

B69

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX2F01003007504	1.0	3	75	4	○	○
GEX2F01504507504	1.5	4.5	75	4	○	○
GEX2F02006007504	2.0	6	75	4	○	○
GEX2F02507007504	2.5	7	75	4	○	○
GEX2F03008007504	3.0	8	75	4	○	○
GEX2F03510007504	3.5	10	75	4	○	○
GEX2F04011007504	4.0	11	75	4	○	○
GEX2F04513007506	4.5	13	75	6	○	○
GEX2F05013007506	5.0	13	75	6	○	○
GEX2F05513007506	5.5	13	75	6	○	○
GEX2F06015007506	6.0	15	75	6	○	○
GEX2F06517007508	6.5	17	75	8	○	○
GEX2F07017007508	7.0	17	75	8	○	○
GEX2F07517007508	7.5	17	75	8	○	○
GEX2F08020007508	8.0	20	75	8	○	○
GEX2F03008010006	3.0	8	100	6	○	○
GEX2F04011010006	4.0	11	100	6	○	○
GEX2F05013010006	5.0	13	100	6	○	○
GEX2F06015010006	6.0	15	100	6	○	○
GEX2F07017010008	7.0	17	100	8	○	○
GEX2F08020010008	8.0	20	100	8	○	○
GEX2F09023010010	9.0	23	100	10	○	○
GEX2F10025010010	10.0	25	100	10	○	○
GEX2F11028010012	11.0	28	100	12	○	○
GEX2F12030010012	12.0	30	100	12	○	○
GEX2F08020015008	8.0	20	150	8	○	○
GEX2F10025015010	10.0	25	150	10	○	○
GEX2F12030015012	12.0	30	150	12	○	○
GEX2F16050015016	16.0	50	150	16	○	○
GEX2F18050015018	18.0	50	150	18	○	○
GEX2F20050015020	20.0	50	150	20	○	○
GEX2F16050020016	16.0	50	200	16	○	○
GEX2F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL 被削材质

GEX

P20 S45C	SCM SK	FC FCD	CU
碳素钢	合金钢	铸铁	铜合金
●	●	●	●

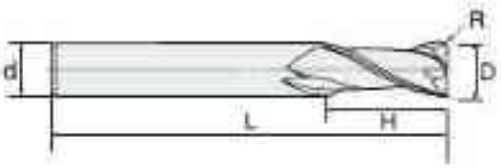
★ TOLERANCES 公差

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

GEX 2 flutes corner radius end mills







Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
GEX2F010R0203005004	1.0	0.2	3	50	4	○	○
GEX2F015R0204005004	1.5	0.2	4	50	4	○	○
GEX2F015R0504005004	1.5	0.5	4	50	4	○	○
GEX2F020R0206005004	2.0	0.2	6	50	4	○	○
GEX2F020R0506005004	2.0	0.5	6	50	4	○	○
GEX2F025R0208005004	2.5	0.2	8	50	4	○	○
GEX2F025R0508005004	2.5	0.5	8	50	4	○	○
GEX2F030R0208005004	3.0	0.2	8	50	4	○	○
GEX2F030R0508005004	3.0	0.5	8	50	4	○	○
GEX2F030R1008005004	3.0	1.0	8	50	4	○	○
GEX2F040R0211005004	4.0	0.2	11	50	4	○	○
GEX2F040R0511005004	4.0	0.5	11	50	4	○	○
GEX2F040R1011005004	4.0	1.0	11	50	4	○	○
GEX2F050R0513005006	5.0	0.5	13	50	6	○	○
GEX2F050R1013005006	5.0	1.0	13	50	6	○	○
GEX2F060R0215005006	6.0	0.2	15	50	6	○	○
GEX2F060R0515005006	6.0	0.5	15	50	6	○	○
GEX2F060R1015005006	6.0	1.0	15	50	6	○	○
GEX2F060R1515005006	6.0	1.5	15	50	6	○	○
GEX2F060R2015005006	6.0	2.0	15	50	6	○	○
GEX2F080R0520006008	8.0	0.5	20	60	8	○	○
GEX2F080R1020006008	8.0	1.0	20	60	8	○	○
GEX2F080R1520006008	8.0	1.5	20	60	8	○	○
GEX2F080R2020006008	8.0	2.0	20	60	8	○	○
GEX2F100R0525007510	10.0	0.5	25	75	10	○	○
GEX2F100R1025007510	10.0	1.0	25	75	10	○	○
GEX2F100R1525007510	10.0	1.5	25	75	10	○	○
GEX2F100R2025007510	10.0	2.0	25	75	10	○	○
GEX2F100R2525007510	10.0	2.5	25	75	10	○	○
GEX2F100R3025007510	10.0	3.0	25	75	10	○	○
GEX2F120R0530007512	12.0	0.5	30	75	12	○	○
GEX2F120R1030007512	12.0	1.0	30	75	12	○	○
GEX2F120R1530007512	12.0	1.5	30	75	12	○	○
GEX2F120R2030007512	12.0	2.0	30	75	12	○	○
GEX2F120R2530007512	12.0	2.5	30	75	12	○	○
GEX2F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL

GEX

P20 S45C	SCM SK	FC FCD	CU
•	•	•	•

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

GEX Long shank 2 flutes corner radius end mills









Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
GEX2F010R0203007504	1.0	0.2	3	75	4	O	O
GEX2F015R0204007504	1.5	0.2	4	75	4	O	O
GEX2F015R0504007504	1.5	0.5	4	75	4	O	O
GEX2F020R0206007504	2.0	0.2	6	75	4	O	O
GEX2F020R0506007504	2.0	0.5	6	75	4	O	O
GEX2F025R0208007504	2.5	0.2	8	75	4	O	O
GEX2F025R0508007504	2.5	0.5	8	75	4	O	O
GEX2F030R0208007504	3.0	0.2	8	75	4	O	O
GEX2F030R0508007504	3.0	0.5	8	75	4	O	O
GEX2F030R1008007504	3.0	1.0	8	75	4	O	O
GEX2F040R0201107504	4.0	0.2	11	75	4	O	O
GEX2F040R0501107504	4.0	0.5	11	75	4	O	O
GEX2F040R1001107504	4.0	1.0	11	75	4	O	O
GEX2F050R0513007506	5.0	0.5	13	75	6	O	O
GEX2F050R1013007506	5.0	1.0	13	75	6	O	O
GEX2F060R0215007506	6.0	0.2	15	75	6	O	O
GEX2F060R0515007506	6.0	0.5	15	75	6	O	O
GEX2F060R1015007506	6.0	1.0	15	75	6	O	O
GEX2F060R1515007506	6.0	1.5	15	75	6	O	O
GEX2F060R2015007506	6.0	2.0	15	75	6	O	O
GEX2F080R0520007508	8.0	0.5	20	75	8	O	O
GEX2F080R1020007508	8.0	1.0	20	75	8	O	O
GEX2F080R1520007508	8.0	1.5	20	75	8	O	O
GEX2F080R2020007508	8.0	2.0	20	75	8	O	O
GEX2F040R0211010006	4.0	0.2	11	100	6	O	O
GEX2F040R0511010006	4.0	0.5	11	100	6	O	O
GEX2F040R1011010006	4.0	1.0	11	100	6	O	O
GEX2F050R0513010006	5.0	0.5	13	100	6	O	O
GEX2F050R1013010006	5.0	1.0	13	100	6	O	O
GEX2F060R0215010006	6.0	0.2	15	100	6	O	O
GEX2F060R0515010006	6.0	0.5	15	100	6	O	O
GEX2F060R1015010006	6.0	1.0	15	100	6	O	O
GEX2F060R1515010006	6.0	1.5	15	100	6	O	O
GEX2F060R2015010006	6.0	2.0	15	100	6	O	O
GEX2F080R0520010008	8.0	0.5	20	100	8	O	O
GEX2F080R1020010008	8.0	1.0	20	100	8	O	O
GEX2F080R1520010008	8.0	1.5	20	100	8	O	O
GEX2F080R2070010008	8.0	2.0	20	100	8	O	O
GEX2F100R0525010010	10.0	0.5	25	100	10	O	O
GEX2F100R1025010010	10.0	1.0	25	100	10	O	O
GEX2F100R1525010010	10.0	1.5	25	100	10	O	O
GEX2F100R2025010010	10.0	2.0	25	100	10	O	O
GEX2F100R2525010010	10.0	2.5	25	100	10	O	O
GEX2F100R3025010010	10.0	3.0	25	100	10	O	O
GEX2F120R0530010012	12.0	0.5	30	100	12	O	O
GEX2F120R1030010012	12.0	1.0	30	100	12	O	O
GEX2F120R1530010012	12.0	1.5	30	100	12	O	O
GEX2F120R2030010012	12.0	2.0	30	100	12	O	O
GEX2F120R2530010012	12.0	2.5	30	100	12	O	O
GEX2F120R3030010012	12.0	3.0	30	100	12	O	O

■Special specifications can be customized ■特殊规格可定制。









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX3F01003005004	1.0	3	50	4	○	○
GEX3F01504505004	1.5	4.5	50	4	○	○
GEX3F02006005004	2.0	6	50	4	○	○
GEX3F02507005004	2.5	7	50	4	○	○
GEX3F03008005004	3.0	8	50	4	○	○
GEX3F03510005004	3.5	10	50	4	○	○
GEX3F04011005004	4.0	11	50	4	○	○
GEX3F04511005006	4.5	11	50	6	○	○
GEX3F05013005006	5.0	13	50	6	○	○
GEX3F05513005006	5.5	13	50	6	○	○
GEX3F06015005006	6.0	15	50	6	○	○
GEX3F06515006008	6.5	15	60	8	○	○
GEX3F07017006008	7.0	17	60	8	○	○
GEX3F07517006008	7.5	17	60	8	○	○
GEX3F08020006008	8.0	20	60	8	○	○
GEX3F08520007510	8.5	20	75	10	○	○
GEX3F09023007510	9.0	23	75	10	○	○
GEX3F09523007510	9.5	23	75	10	○	○
GEX3F10025007510	10.0	25	75	10	○	○
GEX3F10525007512	10.5	25	75	12	○	○
GEX3F11028007512	11.0	28	75	12	○	○
GEX3F11528007512	11.5	28	75	12	○	○
GEX3F12030007512	12.0	30	75	12	○	○
GEX3F13045010014	13.0	45	100	14	○	○
GEX3F14045010014	14.0	45	100	14	○	○
GEX3F15045010016	15.0	45	100	16	○	○
GEX3F16045010016	16.0	45	100	16	○	○
GEX3F17045010018	17.0	45	100	18	○	○
GEX3F18045010018	18.0	45	100	18	○	○
GEX3F19045010020	19.0	45	100	20	○	○
GEX3F20045010020	20.0	45	100	20	○	○
GEX3F22045010025	22.0	45	100	25	○	○
GEX3F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材質

GEX

P20 S45C	SCM SK	FC FCD	CU
硬度鋼	合金鋼	鑄鐵	銅合金
•	•	•	•

★ TOLERANCES 公差

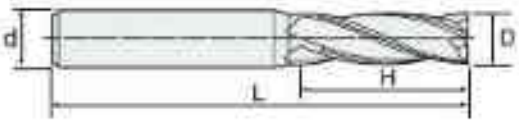
Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

GEX 4 flutes square end mills

4刃立銑刀









B73

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX4F01003005004	1.0	3	50	4	○	○
GEX4F01504505004	1.5	4.5	50	4	○	○
GEX4F02006005004	2.0	6	50	4	○	○
GEX4F02507005004	2.5	7	50	4	○	○
GEX4F03008005004	3.0	8	50	4	○	○
GEX4F03510005004	3.5	10	50	4	○	○
GEX4F04011005004	4.0	11	50	4	○	○
GEX4F04513005006	4.5	13	50	6	○	○
GEX4F05013005006	5.0	13	50	6	○	○
GEX4F05513005006	5.5	13	50	6	○	○
GEX4F06015005006	6.0	15	50	6	○	○
GEX4F06517006008	6.5	17	60	8	○	○
GEX4F07017006008	7.0	17	60	8	○	○
GEX4F07517006008	7.5	17	60	8	○	○
GEX4F08020006008	8.0	20	60	8	○	○
GEX4F08523007510	8.5	23	75	10	○	○
GEX4F09023007510	9.0	23	75	10	○	○
GEX4F09525007510	9.5	25	75	10	○	○
GEX4F10025007510	10.0	25	75	10	○	○
GEX4F10529007512	10.5	25	75	12	○	○
GEX4F11028007512	11.0	28	75	12	○	○
GEX4F11528007512	11.5	28	75	13	○	○
GEX4F12030007512	12.0	30	75	13	○	○
GEX4F13045010014	13.0	45	100	14	○	○
GEX4F14045010014	14.0	45	100	14	○	○
GEX4F15045010016	15.0	45	100	16	○	○
GEX4F16045010016	16.0	45	100	16	○	○
GEX4F17045010018	17.0	45	100	18	○	○
GEX4F18045010018	18.0	45	100	18	○	○
GEX4F19045010020	19.0	45	100	20	○	○
GEX4F20045010020	20.0	45	100	20	○	○
GEX4F22045010025	22.0	45	100	25	○	○
GEX4F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材質

GEX

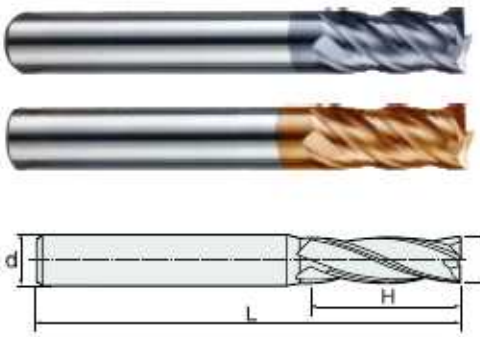
P20 S45C	SCM SK	FC FCD	CU
模具鋼	合金鋼	鑄鐵	銅合金
•	•	•	•

★ TOLERANCES 公差

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

GEX Long shank 4 flutes square end mills

長柄標準刃 4刃立銑刀





MG | 0.7μm | CO10% | HRC-45 | AlTiNL | HRC-48 | AlTiNS

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX4F01003007504	1.0	3	75	4	○	○
GEX4F01504507504	1.5	4.5	75	4	○	○
GEX4F02006007504	2.0	6	75	4	○	○
GEX4F02507007504	2.5	7	75	4	○	○
GEX4F03008007504	3.0	8	75	4	○	○
GEX4F03510007504	3.5	10	75	4	○	○
GEX4F04011007504	4.0	11	75	4	○	○
GEX4F04513007506	4.5	13	75	6	○	○
GEX4F05013007506	5.0	13	75	6	○	○
GEX4F05513007506	5.5	13	75	6	○	○
GEX4F06015007506	6.0	15	75	6	○	○
GEX4F06517007508	6.5	17	75	8	○	○
GEX4F07017007508	7.0	17	75	8	○	○
GEX4F07517007508	7.5	17	75	8	○	○
GEX4F08020007508	8.0	20	75	8	○	○
GEX4F03008010006	3.0	8	100	6	○	○
GEX4F04011010006	4.0	11	100	6	○	○
GEX4F05013010006	5.0	13	100	6	○	○
GEX4F06015010006	6.0	15	100	6	○	○
GEX4F07017010008	7.0	17	100	8	○	○
GEX4F08020010008	8.0	20	100	8	○	○
GEX4F09023010010	9.0	23	100	10	○	○
GEX4F10025010010	10.0	25	100	10	○	○
GEX4F11028010012	11.0	28	100	12	○	○
GEX4F12030010012	12.0	30	100	12	○	○
GEX4F08020015008	8.0	20	150	8	○	○
GEX4F10025015010	10.0	25	150	10	○	○
GEX4F12030015012	12.0	30	150	12	○	○
GEX4F16050015016	16.0	50	150	16	○	○
GEX4F18050015018	18.0	50	150	18	○	○
GEX4F20050015020	20.0	50	150	20	○	○
GEX4F16050020016	16.0	50	200	16	○	○
GEX4F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL 被削材质

GEX

P20 S45C	SCM SK	FC FCD	CU
碳素钢	合金钢	铸铁	铜合金
●	●	●	●

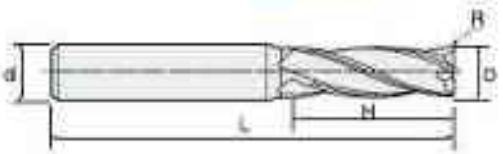
★ TOLERANCES 公差

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

GEX 4 flutes corner radius end mills







Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
GEX4F010R0203005004	1.0	0.2	3	50	4	○	○
GEX4F015R0204005004	1.5	0.2	4	50	4	○	○
GEX4F015R0504005004	1.5	0.5	4	50	4	○	○
GEX4F020R0206005004	2.0	0.2	6	50	4	○	○
GEX4F020R0506005004	2.0	0.5	6	50	4	○	○
GEX4F025R0208005004	2.5	0.2	8	50	4	○	○
GEX4F025R0508005004	2.5	0.5	8	50	4	○	○
GEX4F030R0208005004	3.0	0.2	8	50	4	○	○
GEX4F030R0508005004	3.0	0.5	8	50	4	○	○
GEX4F030R1008005004	3.0	1.0	8	50	4	○	○
GEX4F040R0201105004	4.0	0.2	11	50	4	○	○
GEX4F040R0501105004	4.0	0.5	11	50	4	○	○
GEX4F040R1001105004	4.0	1.0	11	50	4	○	○
GEX4F050R0513005006	5.0	0.5	13	50	6	○	○
GEX4F050R1013005006	5.0	1.0	13	50	6	○	○
GEX4F060R0215005006	6.0	0.2	15	50	6	○	○
GEX4F060R0515005006	6.0	0.5	15	50	6	○	○
GEX4F060R1015005006	6.0	1.0	15	50	6	○	○
GEX4F060R1515005006	6.0	1.5	15	50	6	○	○
GEX4F060R2015005006	6.0	2.0	15	50	6	○	○
GEX4F080R0520006008	8.0	0.5	20	60	8	○	○
GEX4F080R1020006008	8.0	1.0	20	60	8	○	○
GEX4F080R1520006008	8.0	1.5	20	60	8	○	○
GEX4F080R2020006008	8.0	2.0	20	60	8	○	○
GEX4F100R0525007510	10.0	0.5	25	75	10	○	○
GEX4F100R1025007510	10.0	1.0	25	75	10	○	○
GEX4F100R1525007510	10.0	1.5	25	75	10	○	○
GEX4F100R2025007510	10.0	2.0	25	75	10	○	○
GEX4F100R2525007510	10.0	2.5	25	75	10	○	○
GEX4F100R3025007510	10.0	3.0	25	75	10	○	○
GEX4F120R0530007512	12.0	0.5	30	75	12	○	○
GEX4F120R1030007512	12.0	1.0	30	75	12	○	○
GEX4F120R1530007512	12.0	1.5	30	75	12	○	○
GEX4F120R2030007512	12.0	2.0	30	75	12	○	○
GEX4F120R2530007512	12.0	2.5	30	75	12	○	○
GEX4F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL

GEX

P20 S45C	SCM SK	FC FCD	CU
●	●	●	●

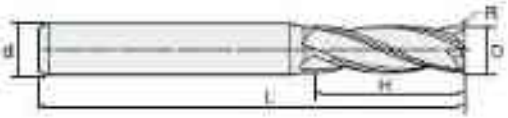
★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

GEX Long shank 4 flutes corner radius end mills









B76

Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
GEX4F010R0203007504	1.0	0.2	3	75	4	○	○
GEX4F015R0203007504	1.5	0.2	4	75	4	○	○
GEX4F015R0503007504	1.5	0.5	4	75	4	○	○
GEX4F020R0206007504	2.0	0.2	6	75	4	○	○
GEX4F020R0506007504	2.0	0.5	6	75	4	○	○
GEX4F025R0208007504	2.5	0.2	8	75	4	○	○
GEX4F025R0508007504	2.5	0.5	8	75	4	○	○
GEX4F030R0208007504	3.0	0.2	8	75	4	○	○
GEX4F030R0508007504	3.0	0.5	8	75	4	○	○
GEX4F030R1008007504	3.0	1.0	8	75	4	○	○
GEX4F040R0201107504	4.0	0.2	11	75	4	○	○
GEX4F040R0501107504	4.0	0.5	11	75	4	○	○
GEX4F040R1001107504	4.0	1.0	11	75	4	○	○
GEX4F050R0511007506	5.0	0.5	11	75	6	○	○
GEX4F050R1013007506	5.0	1.0	13	75	6	○	○
GEX4F060R0215007506	6.0	0.2	15	75	6	○	○
GEX4F060R0515007506	6.0	0.5	15	75	6	○	○
GEX4F060R1015007506	6.0	1.0	15	75	6	○	○
GEX4F060R1515007506	6.0	1.5	15	75	6	○	○
GEX4F060R2015007506	6.0	2.0	15	75	6	○	○
GEX4F080R0520007508	8.0	0.5	20	75	8	○	○
GEX4F080R1020007508	8.0	1.0	20	75	8	○	○
GEX4F080R1520007508	8.0	1.5	20	75	8	○	○
GEX4F080R2020007508	8.0	2.0	20	75	8	○	○
GEX4F040R0211010006	4.0	0.2	11	100	6	○	○
GEX4F040R0511010006	4.0	0.5	11	100	6	○	○
GEX4F040R1011010006	4.0	1.0	11	100	6	○	○
GEX4F050R0513010006	5.0	0.5	13	100	6	○	○
GEX4F050R1013010006	5.0	1.0	13	100	6	○	○
GEX4F060R0215010006	6.0	0.2	15	100	6	○	○
GEX4F060R0515010006	6.0	0.5	15	100	6	○	○
GEX4F060R1015010006	6.0	1.0	15	100	6	○	○
GEX4F060R1515010006	6.0	1.5	15	100	6	○	○
GEX4F060R2015010006	6.0	2.0	15	100	6	○	○
GEX4F080R0520010008	8.0	0.5	20	100	8	○	○
GEX4F080R1020010008	8.0	1.0	20	100	8	○	○
GEX4F080R1520010008	8.0	1.5	20	100	8	○	○
GEX4F080R2020010008	8.0	2.0	20	100	8	○	○
GEX4F100R0525010010	10.0	0.5	25	100	10	○	○
GEX4F100R1025010010	10.0	1.0	25	100	10	○	○
GEX4F100R1525010010	10.0	1.5	25	100	10	○	○
GEX4F100R2025010010	10.0	2.0	25	100	10	○	○
GEX4F100R2525010010	10.0	2.5	25	100	10	○	○
GEX4F100R3025010010	10.0	3.0	25	100	10	○	○
GEX4F120R0530010012	12.0	0.5	30	100	12	○	○
GEX4F120R1030010012	12.0	1.0	30	100	12	○	○
GEX4F120R1530010012	12.0	1.5	30	100	12	○	○
GEX4F120R2030010012	12.0	2.0	30	100	12	○	○
GEX4F120R2530010012	12.0	2.5	30	100	12	○	○
GEX4F120R3030010012	12.0	3.0	30	100	12	○	○

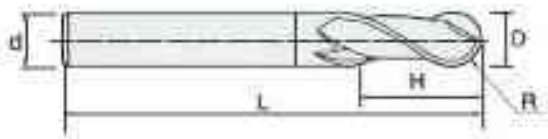
■Special specifications can be customized. ■

GEX 2 flutes ball nose end mills

2刃球型立铣刀







Product Code 产品编号	R Blade 刀径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
GEX2FR005002005004	R0.50	2.0	50	4	○	○
GEX2FR007503005004	R0.75	3.0	50	4	○	○
GEX2FR010004005004	R1.00	4.0	50	4	○	○
GEX2FR012505005004	R1.25	5.0	50	4	○	○
GEX2FR015006005004	R1.50	6.0	50	4	○	○
GEX2FR017507005004	R1.75	7.0	50	4	○	○
GEX2FR020008005004	R2.00	8.0	50	4	○	○
GEX2FR005002005006	R0.50	2.0	50	6	○	○
GEX2FR007503005006	R0.75	3.0	50	6	○	○
GEX2FR010004005006	R1.00	4.0	50	6	○	○
GEX2FR012505005006	R1.25	5.0	50	6	○	○
GEX2FR015006005006	R1.50	6.0	50	6	○	○
GEX2FR017507005006	R1.75	7.0	50	6	○	○
GEX2FR020008005006	R2.00	8.0	50	6	○	○
GEX2FR022509005006	R2.25	9.0	50	6	○	○
GEX2FR025010005006	R2.50	10.0	50	6	○	○
GEX2FR025111005006	R2.75	11.0	50	6	○	○
GEX2FR030012005006	R3.00	12.0	50	6	○	○
GEX2FR033513006008	R3.25	13.0	60	8	○	○
GEX2FR035014006008	R3.50	14.0	60	8	○	○
GEX2FR037515006008	R3.75	15.0	60	8	○	○
GEX2FR040016006008	R4.00	16.0	60	8	○	○
GEX2FR045018007510	R4.50	18.0	75	10	○	○
GEX2FR050020007510	R5.00	20.0	75	10	○	○
GEX2FR060024007512	R6.00	24.0	75	12	○	○
GEX2FR070028010014	R7.00	28.0	100	14	○	○
GEX2FR080032010016	R8.00	32.0	100	16	○	○
GEX2FR090036010018	R9.00	36.0	100	18	○	○
GEX2FR100040010020	R10.0	40.0	100	20	○	○
GEX2FR125050010025	R12.5	50.0	100	25	○	○

★ WORK MATERAIL 被削材质

GEX

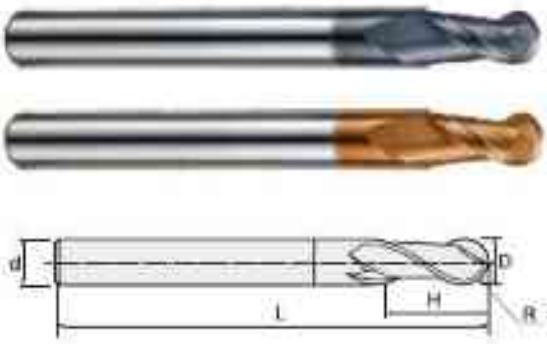
P20 S45C 碳素钢	SCM 5K 合金钢	FC FCD 铸铁	CU 铜合金
•	•	•	•

R	R diameter tolerance
R	R±0.015

★ TOLERANCES 公差

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

GEX Long shank 2 flutes ball nose end mills



Product Code	R Blade	Blade length	Full	Shank	Inventory	
					AL	AS
GEX2FR0050020075D4	R0.50	2	75	4	○	○
GEX2FR0075030075D4	R0.75	3	75	4	○	○
GEX2FR0100040075D4	R1.00	4	75	4	○	○
GEX2FR0125050075D4	R1.25	5	75	4	○	○
GEX2FR0150060075D4	R1.50	6	75	4	○	○
GEX2FR0175070075D4	R1.75	7	75	4	○	○
GEX2FR0200080075D4	R2.00	8	75	4	○	○
GEX2FR0225090075D6	R2.25	9	75	6	○	○
GEX2FR0250100075D6	R2.50	10	75	6	○	○
GEX2FR0275110075D6	R2.75	11	75	6	○	○
GEX2FR0300120075D6	R3.00	12	75	6	○	○
GEX2FR0400160075D8	R4.00	16	75	8	○	○
GEX2FR0050020100D6	R0.50	2	100	6	○	○
GEX2FR0075030100D6	R0.75	3	100	6	○	○
GEX2FR0100040100D6	R1.00	4	100	6	○	○
GEX2FR0125050100D6	R1.25	5	100	6	○	○
GEX2FR0150060100D6	R1.50	6	100	6	○	○
GEX2FR0175070100D6	R1.75	7	100	6	○	○
GEX2FR0200080100D6	R2.00	8	100	6	○	○
GEX2FR0225090100D6	R2.25	9	100	6	○	○
GEX2FR0250100100D6	R2.50	10	100	6	○	○
GEX2FR0275110100D6	R2.75	11	100	6	○	○
GEX2FR0300120100D6	R3.00	12	100	6	○	○
GEX2FR0400160100D8	R4.00	16	100	8	○	○
GEX2FR0500200100D10	R5.00	20	100	10	○	○
GEX2FR0600240100D12	R6.00	24	100	12	○	○
GEX2FR0300120150D6	R3.00	12	150	6	○	○
GEX2FR0400160150D8	R4.00	16	150	8	○	○
GEX2FR0500200150D10	R5.00	20	150	10	○	○
GEX2FR0600240150D12	R6.00	24	150	12	○	○
GEX2FR0700280150D14	R7.00	28	150	14	○	○
GEX2FR0800320150D16	R8.00	32	150	16	○	○
GEX2FR1000400150D20	R10.00	40	150	20	○	○
GEX2FR0400160200D8	R4.00	16	200	8	○	○
GEX2FR0500200200D10	R5.00	20	200	10	○	○
GEX2FR0600240200D12	R6.00	24	200	12	○	○
GEX2FR0700280200D14	R7.00	28	200	14	○	○
GEX2FR0800320200D16	R8.00	32	200	16	○	○
GEX2FR1000400200D20	R10.00	40	200	20	○	○

★ WORK MATERAIL

GEX

P20 S45C	SCM SK	FC FCD	CU
•	•	•	•

R	R diameter tolerance
R	R + 0.015

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

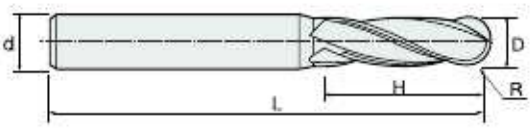
GEX 4 flutes ball nose end mills

4刃球型立铣刀









B79

Product Code 產品編號	R Blade R徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX4FR005002005004	R0.50	2.0	50	4	○	○
GEX4FR007503005004	R0.75	3.0	50	4	○	○
GEX4FR010004005004	R1.00	4.0	50	4	○	○
GEX4FR012505005004	R1.25	5.0	50	4	○	○
GEX4FR015006005004	R1.50	6.0	50	4	○	○
GEX4FR017507005004	R1.75	7.0	50	4	○	○
GEX4FR020008005004	R2.00	8.0	50	4	○	○
GEX4FR022509005006	R2.25	9.0	50	6	○	○
GEX4FR025010005006	R2.50	10.0	50	6	○	○
GEX4FR027511005006	R2.75	11.0	50	6	○	○
GEX4FR030012005006	R3.00	12.0	50	6	○	○
GEX4FR032513006008	R3.25	13.0	60	8	○	○
GEX4FR035014006008	R3.50	14.0	60	8	○	○
GEX4FR037515006008	R3.75	15.0	60	8	○	○
GEX4FR040016006008	R4.00	16.0	60	8	○	○
GEX4FR045018007510	R4.50	18.0	75	10	○	○
GEX4FR050020007510	R5.00	20.0	75	10	○	○
GEX4FR060024007512	R6.00	24.0	75	12	○	○
GEX4FR070030010014	R7.00	30.0	100	14	○	○
GEX4FR080030010016	R8.00	30.0	100	16	○	○
GEX4FR090030010018	R9.00	30.0	100	18	○	○
GEX4FR100030010020	R10.0	30.0	100	20	○	○
GEX4FR125030010025	R12.5	30.0	100	25	○	○

★ WORK MATERAIL 被削材质

GEX

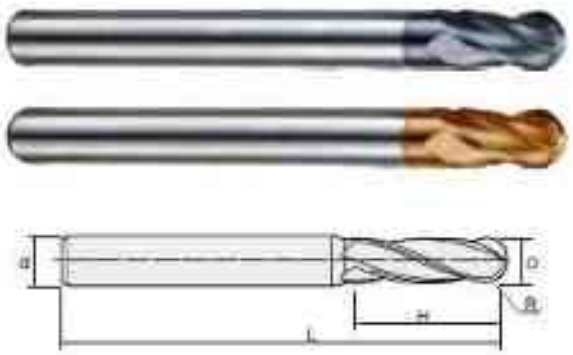
P20 S45C	SCM SK	FC FCD	CU
碳素钢	合金钢	铸铁	铜合金
•	•	•	•

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES 公差

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

GEX Long shank 4 flutes ball nose end mills







Product Code	R Blade	Blade length	Full	Shank	Inventory	
					AL	AS
GEX4FR0050020075D4	R0.50	2	75	4	○	○
GEX4FR0075030075D4	R0.75	3	75	4	○	○
GEX4FR0100040075D4	R1.00	4	75	4	○	○
GEX4FR0125050075D4	R1.25	5	75	4	○	○
GEX4FR0150060075D4	R1.50	6	75	4	○	○
GEX4FR0175070075D4	R1.75	7	75	4	○	○
GEX4FR0200080075D4	R2.00	8	75	4	○	○
GEX4FR0225090075D6	R2.25	9	75	6	○	○
GEX4FR0250100075D6	R2.50	10	75	6	○	○
GEX4FR0275110075D6	R2.75	11	75	6	○	○
GEX4FR0300120075D6	R3.00	12	75	6	○	○
GEX4FR0400160075D8	R4.00	16	75	8	○	○
GEX4FR0050020100D6	R0.50	2	100	6	○	○
GEX4FR0075030100D6	R0.75	3	100	6	○	○
GEX4FR0100040100D6	R1.00	4	100	6	○	○
GEX4FR0125050100D6	R1.25	5	100	6	○	○
GEX4FR0150060100D6	R1.50	6	100	6	○	○
GEX4FR0175070100D6	R1.75	7	100	6	○	○
GEX4FR0200080100D6	R2.00	8	100	6	○	○
GEX4FR0225090100D6	R2.25	9	100	6	○	○
GEX4FR0250100100D6	R2.50	10	100	6	○	○
GEX4FR0275110100D6	R2.75	11	100	6	○	○
GEX4FR0300120100D6	R3.00	12	100	6	○	○
GEX4FR0400160100D8	R4.00	16	100	8	○	○
GEX4FR0500200100D10	R5.00	20	100	10	○	○
GEX4FR0600240100D12	R6.00	24	100	12	○	○
GEX4FR0300120150D6	R3.00	12	150	6	○	○
GEX4FR0400160150D8	R4.00	16	150	8	○	○
GEX4FR0500200150D10	R5.00	20	150	10	○	○
GEX4FR0600240150D12	R6.00	24	150	12	○	○
GEX4FR0700280150D14	R7.00	28	150	14	○	○
GEX4FR0800320150D16	R8.00	32	150	16	○	○
GEX4FR1000400150D20	R10.00	40	150	20	○	○
GEX4FR0400160200D8	R4.00	16	200	8	○	○
GEX4FR0500200200D10	R5.00	20	200	10	○	○
GEX4FR0600240200D12	R6.00	24	200	12	○	○
GEX4FR0700280200D14	R7.00	28	200	14	○	○
GEX4FR0800320200D16	R8.00	32	200	16	○	○
GEX4FR1000400200D20	R10.00	40	200	20	○	○

★ WORK MATERAIL

GEX

P20 S45C	SCM SK	FC FCD	CU
•	•	•	•

R	R diameter tolerance
R	R ± 0.015

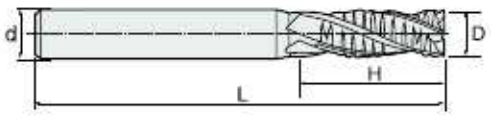
★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

GEX 3 flutes roughing end mills

3刃粗铣立铣刀







MG | 0.7μm | CO10% | HRC45 | AlTiNL | HRC48 | AlTiNS

B81

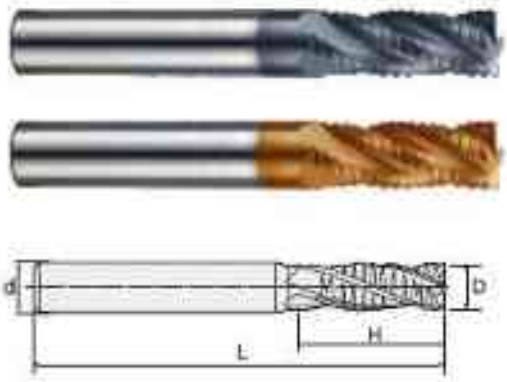
Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEXCP3F061505006	6.0	15	50	6	○	○
GEXCP3F082006008	8.0	20	60	8	○	○
GEXCP3F102507510	10.0	25	75	10	○	○
GEXCP3F123007512	12.0	30	75	12	○	○
GEXCP3F164010016	16.0	40	100	16	○	○
GEXCP3F204010020	20.0	40	100	20	○	○
GEXCP3F061510006	6.0	15	100	6	○	○
GEXCP3F082010008	8.0	20	100	8	○	○
GEXCP3F102510010	10.0	25	100	10	○	○
GEXCP3F123010012	12.0	30	100	12	○	○

★ WORK MATERAIL 被削材质

P20 S45C	SCM SK	FC FCD	SKD
碳素钢	合金钢	铸铁	淬火钢
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ6.0	-0.01~-0.03	H6
Φ7.0~Φ10.0	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ21.0~Φ25.0	-0.015~-0.05	
Φ30.0	-0.015~-0.055	





B82

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
GEXCP4F061505006	6.0	15	50	6	○	○
GEXCP4F082006008	8.0	20	60	8	○	○
GEXCP4F102507510	10.0	25	75	10	○	○
GEXCP4F123007512	12.0	30	75	12	○	○
GEXCP4F164010016	16.0	40	100	16	○	○
GEXCP4F204010020	20.0	40	100	20	○	○
GEXCP4F061510006	6.0	15	100	6	○	○
GEXCP4F082010008	8.0	20	100	8	○	○
GEXCP4F102510010	10.0	25	100	10	○	○
GEXCP4F123010012	12.0	30	100	12	○	○

★ WORK MATERAIL 被削材质

P20 S45C	SCM SK	FC FCD	SKD
碳素钢	合金钢	铸铁	淬火钢
•	•	•	•

★ TOLERANCES 公差

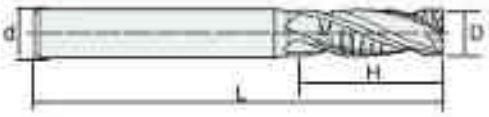
Blade diameter 刃径	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ6.0	-0.01~-0.03	h6
Φ7.0~Φ10.0	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ21.0~Φ25.0	-0.015~-0.05	
Φ30.0	-0.015~-0.056	

GEX 4 flutes half roughing end mills

4刃半粗铣立铣刀









Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
GEXBCP4F061505006	6.0	15	50	6	○	○
GEXBCP4F062006008	6.0	20	60	8	○	○
GEXBCP4F102507510	10.0	25	75	10	○	○
GEXBCP4F123007512	12.0	30	75	12	○	○
GEXBCP4F164010016	16.0	40	100	16	○	○
GEXBCP4F204010020	20.0	40	100	20	○	○
GEXBCP4F061510006	6.0	15	100	6	○	○
GEXBCP4F062010008	6.0	20	100	8	○	○
GEXBCP4F102510010	10.0	25	100	10	○	○
GEXBCP4F123010012	12.0	30	100	12	○	○

★ WORK MATERAIL 被削材质

P20 S45C 碳素钢	SCM SK 合金钢	FC FCD 铸铁	SKD 淬火钢
•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃径范围	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ6.0	-0.01~-0.03	h6
Φ7.0~Φ10.0	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ21.0~Φ25.0	-0.015~-0.05	
Φ30.0	-0.015~-0.056	

GEX 2 flutes standard inch size square end mills

2刃標準英制立銑刀









MG | 0.7μm | CO10% | HRC45 | AlTiNi | HRC48 | AlTiNs

B84

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX2F1/8*3050	1/8(3.175)	9.525	50	1/8(3.175)	○	○
GEX2F3/16*3050	3/16(4.76)	14.28	50	3/16(4.76)	○	○
GEX2F1/4*3060	1/4(6.35)	19.05	60	1/4(6.35)	○	○
GEX2F5/16*3060	5/16(7.938)	23.814	60	5/16(7.938)	○	○
GEX2F3/8*3075	3/8(9.525)	28.575	75	3/8(9.525)	○	○
GEX2F1/2*3075	1/2(12.7)	38.1	75	1/2(12.7)	○	○
GEX2F5/8*3100	5/8(15.875)	47.625	100	5/8(15.875)	○	○
GEX2F3/4*3110	3/4(19.05)	57.15	110	3/4(19.05)	○	○
GEX2F1*3130	1"(25.4)	76.2	130	1"(25.4)	○	○

★ WORK MATERAIL 被削材质

GEX

P20 S45C	SCM SK	FC FCD	CU
碳素钢	合金钢	铸铁	铜合金
●	●	●	●

★ TOLERANCES 公差

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

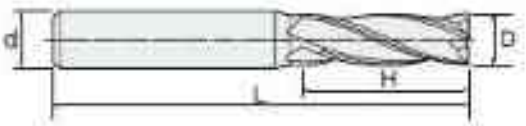
GEX 4 flutes standard inch size square end mills

4刃標準高硬立銑刀









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX4F1/8*3050	1/8(3.175)	9.525	50	1/8(3.175)	○	○
GEX4F3/16*3050	3/16(4.76)	14.28	50	3/16(4.76)	○	○
GEX4F1/4*3060	1/4(6.35)	19.05	60	1/4(6.35)	○	○
GEX4F5/16*3060	5/16(7.936)	23.814	60	5/16(7.936)	○	○
GEX4F3/8*3075	3/8(9.525)	28.575	75	3/8(9.525)	○	○
GEX4F1/2*3075	1/2(12.7)	38.1	75	1/2(12.7)	○	○
GEX4F5/8*3100	5/8(15.875)	47.625	100	5/8(15.875)	○	○
GEX4F3/4*3110	3/4(19.05)	57.15	110	3/4(19.05)	○	○
GEX4F1*3130	1"(25.4)	76.2	130	1"(25.4)	○	○

★ WORK MATERAIL 被削材質

GEX

P20 S45C 碳素鋼	SCM SK 合金鋼	FC FCD 鑄鐵	CU 銅合金
●	●	●	●

★ TOLERANCES 公差

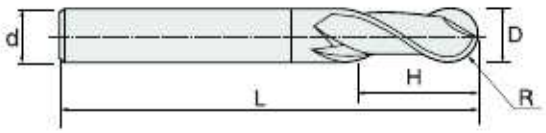
Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H8
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

GEX 2 flutes standard inch size ball nose end mills

2刃標準英制球型立銑刀









MG | 0.7μm | CO10% | HRC45 | AlTiNi | HRC48 | AlTiNs

B86

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
GEX2FR1/8*3050	1/8(3.175)	9.525	50	1/8(3.175)	○	○
GEX2FR3/16*3050	3/16(4.76)	14.28	50	3/16(4.76)	○	○
GEX2FR1/4*3060	1/4(6.35)	19.05	60	1/4(6.35)	○	○
GEX2FR5/16*3060	5/16(7.938)	23.814	60	5/16(7.938)	○	○
GEX2FR3/8*3075	3/8(9.525)	28.575	75	3/8(9.525)	○	○
GEX2FR1/2*3075	1/2(12.7)	38.1	75	1/2(12.7)	○	○
GEX2FR5/8*3100	5/8(15.875)	47.625	100	5/8(15.875)	○	○
GEX2FR3/4*3110	3/4(19.05)	57.15	110	3/4(19.05)	○	○
GEX2FR1*3130	1"(25.4)	76.2	130	1"(25.4)	○	○

★ WORK MATERAIL 被削材质

GEX

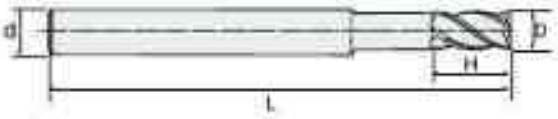
P20 S45C	SCM SK	FC FCD	CU
碳素钢	合金钢	铸铁	铜合金
●	●	●	●

★ TOLERANCES 公差

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







Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
						AL	AS
GEX4F01001502505004	1.0	1.5	2.5	50	4	○	○
GEX4F02003005005004	2.0	3.0	5.0	50	4	○	○
GEX4F03004507505006	3.0	4.5	7.5	50	6	○	○
GEX4F04006010005006	4.0	6.0	10.0	50	6	○	○
GEX4F05007512505006	5.0	7.5	12.5	50	6	○	○
GEX4F06009015005006	6.0	9.0	15.0	50	6	○	○
GEX4F08012020006008	8.0	12.0	20.0	60	8	○	○
GEX4F10015025075010	10.0	15.0	25.0	75	10	○	○
GEX4F12018030075012	12.0	18.0	30.0	75	12	○	○
GEX4F16024040100016	16.0	24.0	40.0	100	16	○	○
GEX4F20030050100020	20.0	30.0	50.0	100	20	○	○

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
						AL	AS
GEX4F1/8-B	1/8	5/32	1/2	2-1/2	1/4	○	○
GEX4F3/16-B	3/16	7/32	3/4	2-1/2	1/4	○	○
GEX4F1/4-B	1/4	9/32	3/4	2-1/2	1/4	○	○
GEX4F5/16-B	5/16	13/32	1	2-1/2	5/16	○	○
GEX4F3/8-B	3/8	15/32	1	2-1/2	3/8	○	○
GEX4F1/2-B	1/2	5/8	1-1/4	3	1/2	○	○
GEX4F5/8-B	5/8	3/4	1-1/2	3-1/2	5/8	○	○
GEX4F3/4-B	3/4	15/16	1-3/4	4	3/4	○	○

☆ WORK MATERAIL 被削材质

GEX

P20 S45C 模具钢	SCM SK 合金钢	FC FCD 铸铁	CU 铜合金
•	•	•	•

☆ TOLERANCES 公差

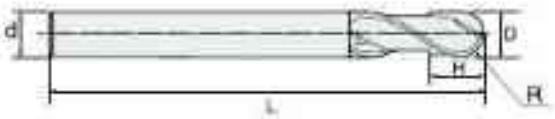
Blade diameter 刃径基准	Blade diameter tolerance 刃径基准公差
Φ≤12.0	0~-0.02
Φ＞12.0	0~-0.03

GEX 2 flutes high strength ball nose end mills

二刃强力球鼻铣刀







Product Code 产品编号	Radius 半径	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
							AL	AS
GEX2FR0050100100205004	0.50R	1.0	1.0	2	50	4	○	○
GEX2FR0075150150305004	0.75R	1.5	1.5	3	50	4	○	○
GEX2FR0100200200405006	1.00R	2.0	2.0	4	50	6	○	○
GEX2FR0150300300605006	1.50R	3.0	3.0	6	50	6	○	○
GEX2FR0200400400805006	2.00R	4.0	4.0	8	50	6	○	○
GEX2FR0250500501005006	2.50R	5.0	5.0	10	50	6	○	○
GEX2FR0300600601205006	3.00R	6.0	6.0	12	50	6	○	○
GEX2FR0400800801606008	4.00R	8.0	8.0	16	60	8	○	○
GEX2FR0500100100207510	5.00R	10.0	10.0	20	75	10	○	○
GEX2FR0600120120240751 2	6.00R	12.0	12.0	24	75	12	○	○
GEX2FR0800160160321001 6	8.00R	16.0	16.0	32	100	16	○	○

★ WORK MATERAIL 被削材质

GEX

P20 S45C 碳素钢	SCM SK 合金钢	FC FCD 铸铁	CU 铜合金
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃径规格	Blade diameter tolerance 刃径规格公差
Φ≥12.0	R ± 0.01
Φ＞12.0	R ± 0.015









Product Code 产品编号	Radius 半径	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
							AL	AS
GEX4F030R01003005006	0.1R	3	3	7.5	50	6	○	○
GEX4F030R05003005006	0.5R	3	3	7.5	50	6	○	○
GEX4F040R02004005006	0.2R	4	4	10.0	50	6	○	○
GEX4F040R05004005006	0.5R	4	4	10.0	50	6	○	○
GEX4F050R02005005006	0.2R	5	5	12.5	50	6	○	○
GEX4F050R05005005006	0.5R	5	5	12.5	50	6	○	○
GEX4F060R02006005006	0.2R	6	6	15.0	50	6	○	○
GEX4F060R05006005006	0.5R	6	6	15.0	50	6	○	○
GEX4F060R10006005006	1.0R	6	6	15.0	50	6	○	○
GEX4F080R03008006008	0.3R	8	8	20.0	60	8	○	○
GEX4F080R05008006008	0.5R	8	8	20.0	60	8	○	○
GEX4F080R10008006008	1.0R	8	8	20.0	60	8	○	○
GEX4F080R15008006008	1.5R	8	8	20.0	60	8	○	○
GEX4F100R03010007510	0.3R	10	10	25.0	75	10	○	○
GEX4F100R05010007510	0.5R	10	10	25.0	75	10	○	○
GEX4F100R10010007510	1.0R	10	10	25.0	75	10	○	○
GEX4F100R15010007510	1.5R	10	10	25.0	75	10	○	○
GEX4F100R20010007510	2.0R	10	10	25.0	75	10	○	○
GEX4F120R03012007512	0.3R	12	12	30.0	75	12	○	○
GEX4F120R05012007512	0.5R	12	12	30.0	75	12	○	○
GEX4F120R10012007512	1.0R	12	12	30.0	75	12	○	○
GEX4F120R15012007512	1.5R	12	12	30.0	75	12	○	○
GEX4F120R20012007512	2.0R	12	12	30.0	75	12	○	○

★ WORK MATERAIL 被削材质

GEX

P20 S45C 碳素钢	SCM SK 合金钢	FC FCD 铸铁	CU 铜合金
•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃径范围	Blade diameter tolerance 刃径偏差公差
Φ≤12.0	0~-0.02
Φ＞12.0	0~-0.03

R	R diameter tolerance
R	R±0.015

PEX

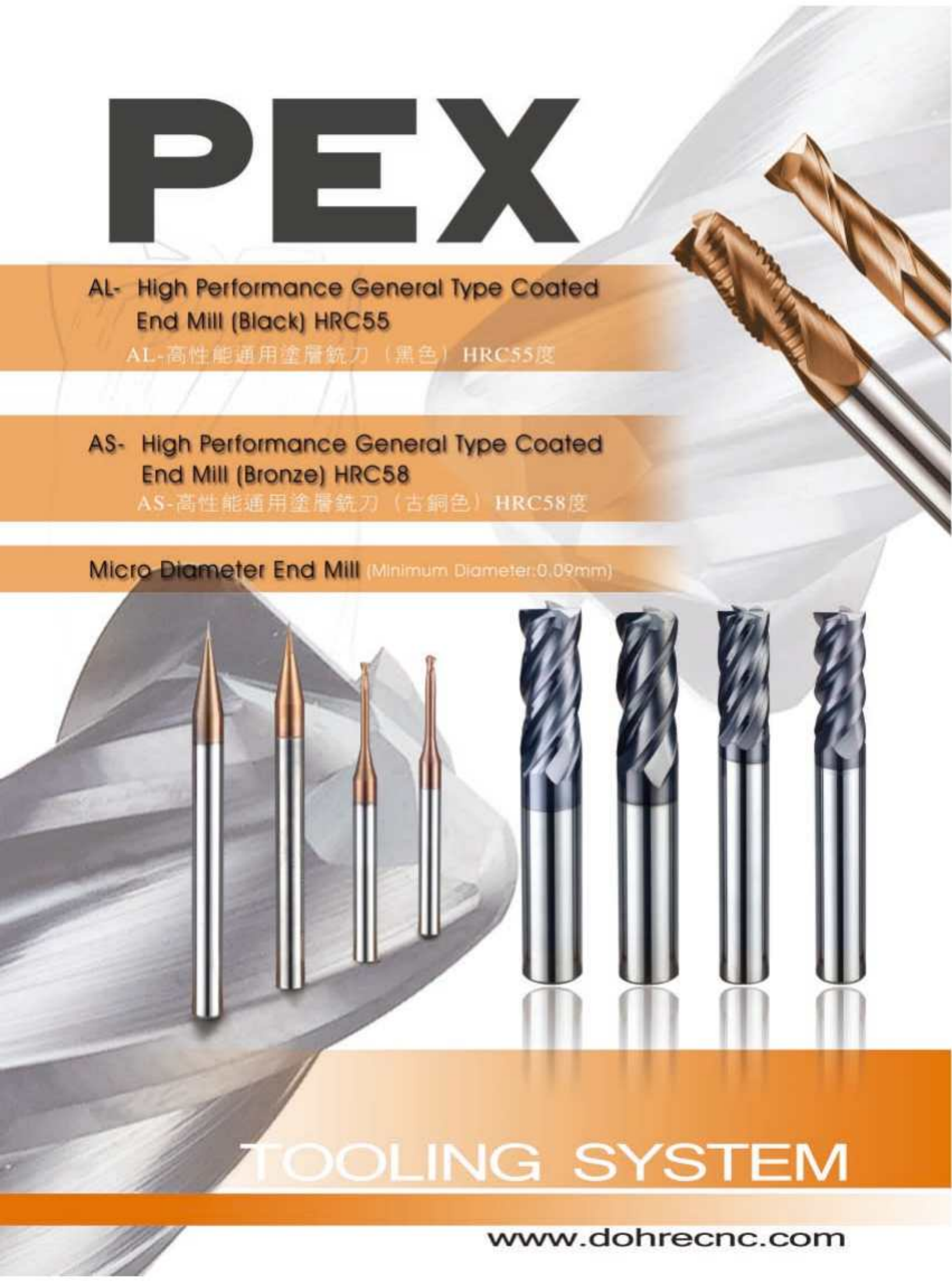
AL- High Performance General Type Coated End Mill (Black) HRC55

AL-高性能通用塗層銑刀（黑色）HRC55度

AS- High Performance General Type Coated End Mill (Bronze) HRC58

AS-高性能通用塗層銑刀（古銅色）HRC58度

Micro Diameter End Mill (Minimum Diameter:0.09mm)



TOOLING SYSTEM

www.dohrecnc.com

PEX 2 flutes square end mills

2刃立铣刀









B91

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
PEX2F01003005004	1.0	3	50	4	○	○
PEX2F01504005004	1.5	4	50	4	○	○
PEX2F02006005004	2.0	6	50	4	○	○
PEX2F02507005004	2.5	7	50	4	○	○
PEX2F03008005004	3.0	8	50	4	○	○
PEX2F03510005004	3.5	10	50	4	○	○
PEX2F04011005004	4.0	11	50	4	○	○
PEX2F01003005006	1.0	3	50	6	○	○
PEX2F01504005006	1.5	4	50	6	○	○
PEX2F02006005006	2.0	6	50	6	○	○
PEX2F02507005006	2.5	7	50	6	○	○
PEX2F03008005006	3.0	8	50	6	○	○
PEX2F03510005006	3.5	10	50	6	○	○
PEX2F04011005006	4.0	11	50	6	○	○
PEX2F04513005006	4.5	13	50	6	○	○
PEX2F05013005006	5.0	13	50	6	○	○
PEX2F05513005006	5.5	13	50	6	○	○
PEX2F06015005006	6.0	15	50	6	○	○
PEX2F06517006008	6.5	17	60	8	○	○
PEX2F07017006008	7.0	17	60	8	○	○
PEX2F07517006008	7.5	17	60	8	○	○
PEX2F08020006008	8.0	20	60	8	○	○
PEX2F08523007510	8.5	23	75	10	○	○
PEX2F09023007510	9.0	23	75	10	○	○
PEX2F09525007510	9.5	25	75	10	○	○
PEX2F10025007510	10.0	25	75	10	○	○
PEX2F10525007512	10.5	25	75	12	○	○
PEX2F11028007512	11.0	28	75	12	○	○
PEX2F11528007512	11.5	28	75	12	○	○
PEX2F12030007512	12.0	30	75	12	○	○
PEX2F13045010014	13.0	45	100	14	○	○
PEX2F14045010014	14.0	45	100	14	○	○
PEX2F15045010016	15.0	45	100	16	○	○
PEX2F16045010016	16.0	45	100	16	○	○
PEX2F17045010018	17.0	45	100	18	○	○
PEX2F18045010018	18.0	45	100	18	○	○
PEX2F19045010020	19.0	45	100	20	○	○
PEX2F20045010020	20.0	45	100	20	○	○
PEX2F22045010025	22.0	45	100	25	○	○
PEX2F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材质

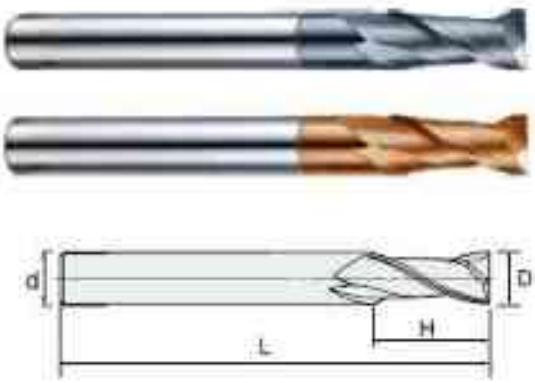
PEX

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

★ TOLERANCES 公差

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

PEX Long shank 2 flutes square end mills



Product Code	Blade diameter	Blade length	Full	Shank	Inventory	
					AL	AS
PEX2F01003007504	1.0	3	75	4	○	○
PEX2F01504507504	1.5	4.5	75	4	○	○
PEX2F02006007504	2.0	6	75	4	○	○
PEX2F02507007504	2.5	7	75	4	○	○
PEX2F03008007504	3.0	8	75	4	○	○
PEX2F03510007504	3.5	10	75	4	○	○
PEX2F04011007504	4.0	11	75	4	○	○
PEX2F04513007506	4.5	13	75	6	○	○
PEX2F05013007506	5.0	13	75	6	○	○
PEX2F05613007506	5.5	13	75	6	○	○
PEX2F06015007506	6.0	15	75	6	○	○
PEX2F06517007508	6.5	17	75	8	○	○
PEX2F07017007508	7.0	17	75	8	○	○
PEX2F07517007508	7.5	17	75	8	○	○
PEX2F08020007508	8.0	20	75	8	○	○
PEX2F03008010006	3.0	8	100	6	○	○
PEX2F04011010006	4.0	11	100	6	○	○
PEX2F05013010006	5.0	13	100	6	○	○
PEX2F06015010006	6.0	15	100	6	○	○
PEX2F07017010008	7.0	17	100	8	○	○
PEX2F08020010008	8.0	20	100	8	○	○
PEX2F09023010010	9.0	23	100	10	○	○
PEX2F10025010010	10.0	25	100	10	○	○
PEX2F11028010012	11.0	28	100	12	○	○
PEX2F12030010012	12.0	30	100	12	○	○
PEX2F08020015008	8.0	20	150	8	○	○
PEX2F10025015010	10.0	25	150	10	○	○
PEX2F12030015012	12.0	30	150	12	○	○
PEX2F16050015016	16.0	50	150	16	○	○
PEX2F18050015018	18.0	50	150	18	○	○
PEX2F20050015020	20.0	50	150	20	○	○
PEX2F16050020016	16.0	50	200	16	○	○
PEX2F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL

PEX

P20 S45C	SCM SK	FC FCD	CU	304
•	•	•	•	•

★ TOLERANCES

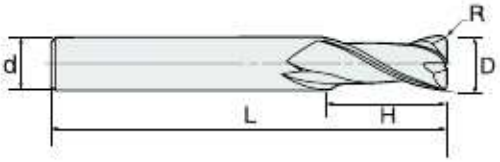
Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

PEX 2 flutes corner radius end mills

圆鼻 2刃立铣刀







MG | 0.6μm | CO10% | HRC-55 | AlTiNL | HRC-58 | AlTiNS

B93

Product Code 产品编号	Blade diameter 刃径	R	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
						AL	AS
PEX2F010R0203005004	1.0	0.2	3	50	4	○	○
PEX2F015R0204005004	1.5	0.2	4	50	4	○	○
PEX2F015R0504005004	1.5	0.5	4	50	4	○	○
PEX2F020R0206005004	2.0	0.2	6	50	4	○	○
PEX2F020R0506005004	2.0	0.5	6	50	4	○	○
PEX2F025R0208005004	2.5	0.2	8	50	4	○	○
PEX2F025R0508005004	2.5	0.5	8	50	4	○	○
PEX2F030R0208005004	3.0	0.2	8	50	4	○	○
PEX2F030R0508005004	3.0	0.5	8	50	4	○	○
PEX2F030R1008005004	3.0	1.0	8	50	4	○	○
PEX2F040R0211005004	4.0	0.2	11	50	4	○	○
PEX2F040R0511005004	4.0	0.5	11	50	4	○	○
PEX2F040R1011005004	4.0	1.0	11	50	4	○	○
PEX2F050R0513005006	5.0	0.5	13	50	6	○	○
PEX2F050R1013005006	5.0	1.0	13	50	6	○	○
PEX2F060R0215005006	6.0	0.2	15	50	6	○	○
PEX2F060R0515005006	6.0	0.5	15	50	6	○	○
PEX2F060R1015005006	6.0	1.0	15	50	6	○	○
PEX2F060R1515005006	6.0	1.5	15	50	6	○	○
PEX2F060R2015005006	6.0	2.0	15	50	6	○	○
PEX2F080R0520006008	8.0	0.5	20	60	8	○	○
PEX2F080R1020006008	8.0	1.0	20	60	8	○	○
PEX2F080R1520006008	8.0	1.5	20	60	8	○	○
PEX2F080R2020006008	8.0	2.0	20	60	8	○	○
PEX2F100R0525007510	10.0	0.5	25	75	10	○	○
PEX2F100R1025007510	10.0	1.0	25	75	10	○	○
PEX2F100R1525007510	10.0	1.5	25	75	10	○	○
PEX2F100R2025007510	10.0	2.0	25	75	10	○	○
PEX2F100R2525007510	10.0	2.5	25	75	10	○	○
PEX2F100R3025007510	10.0	3.0	25	75	10	○	○
PEX2F120R0530007512	12.0	0.5	30	75	12	○	○
PEX2F120R1030007512	12.0	1.0	30	75	12	○	○
PEX2F120R1530007512	12.0	1.5	30	75	12	○	○
PEX2F120R2030007512	12.0	2.0	30	75	12	○	○
PEX2F120R2530007512	12.0	2.5	30	75	12	○	○
PEX2F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL 被削材质

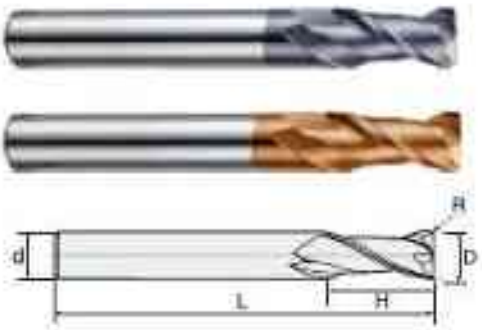
PEX

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

★ TOLERANCES 公差

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

PEX Long shank 2 flutes corner radius end mills





Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
PEX2F010R0203007504	1.0	0.2	3	75	4	O	O
PEX2F015R0204007504	1.5	0.2	4	75	4	O	O
PEX2F015R0504007504	1.5	0.5	4	75	4	O	O
PEX2F020R0206007504	2.0	0.2	6	75	4	O	O
PEX2F020R0506007504	2.0	0.5	6	75	4	O	O
PEX2F025R0208007504	2.5	0.2	8	75	4	O	O
PEX2F025R0508007504	2.5	0.5	8	75	4	O	O
PEX2F030R0208007504	3.0	0.2	8	75	4	O	O
PEX2F030R0508007504	3.0	0.5	8	75	4	O	O
PEX2F030R1008007504	3.0	1.0	8	75	4	O	O
PEX2F040R0211007504	4.0	0.2	11	75	4	O	O
PEX2F040R0511007504	4.0	0.5	11	75	4	O	O
PEX2F040R1011007504	4.0	1.0	11	75	4	O	O
PEX2F050R0513007506	5.0	0.5	13	75	6	O	O
PEX2F050R1013007506	5.0	1.0	13	75	6	O	O
PEX2F060R0215007506	6.0	0.2	15	75	6	O	O
PEX2F060R0515007506	6.0	0.5	15	75	6	O	O
PEX2F060R1015007506	6.0	1.0	15	75	6	O	O
PEX2F060R1515007506	6.0	1.5	15	75	6	O	O
PEX2F060R2015007506	6.0	2.0	15	75	6	O	O
PEX2F080R0520007508	8.0	0.5	20	75	8	O	O
PEX2F080R1020007508	8.0	1.0	20	75	8	O	O
PEX2F080R1520007508	8.0	1.5	20	75	8	O	O
PEX2F080R2020007508	8.0	2.0	20	75	8	O	O
PEX2F040R0211010006	4.0	0.2	11	100	6	O	O
PEX2F040R0511010006	4.0	0.5	11	100	6	O	O
PEX2F040R1011010006	4.0	1.0	11	100	6	O	O
PEX2F050R0513010006	5.0	0.5	13	100	6	O	O
PEX2F050R1013010006	5.0	1.0	13	100	6	O	O
PEX2F060R0215010006	6.0	0.2	15	100	6	O	O
PEX2F060R0515010006	6.0	0.5	15	100	6	O	O
PEX2F060R1015010006	6.0	1.0	15	100	6	O	O
PEX2F060R1515010006	6.0	1.5	15	100	6	O	O
PEX2F060R2015010006	6.0	2.0	15	100	6	O	O
PEX2F080R0520010008	8.0	0.5	20	100	8	O	O
PEX2F080R1020010008	8.0	1.0	20	100	8	O	O
PEX2F080R1520010008	8.0	1.5	20	100	8	O	O
PEX2F080R2020010008	8.0	2.0	20	100	8	O	O
PEX2F100R0525010010	10.0	0.5	25	100	10	O	O
PEX2F100R1025010010	10.0	1.0	25	100	10	O	O
PEX2F100R1525010010	10.0	1.5	25	100	10	O	O
PEX2F100R2025010010	10.0	2.0	25	100	10	O	O
PEX2F100R2525010010	10.0	2.5	25	100	10	O	O
PEX2F100R3025010010	10.0	3.0	25	100	10	O	O
PEX2F120R0530010012	12.0	0.5	30	100	12	O	O
PEX2F120R1030010012	12.0	1.0	30	100	12	O	O
PEX2F120R1530010012	12.0	1.5	30	100	12	O	O
PEX2F120R2030010012	12.0	2.0	30	100	12	O	O
PEX2F120R2530010012	12.0	2.5	30	100	12	O	O
PEX2F120R3030010012	12.0	3.0	30	100	12	O	O

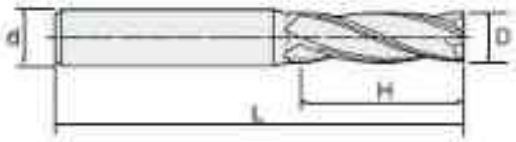
■Special specifications can be customized ■特殊规格可定制。

PEX 3 flutes square end mills

3刃立銑刀







Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX3F01003005004	1.0	3	50	4	○	○
PEX3F01504505004	1.5	4.5	50	4	○	○
PEX3F02006005004	2.0	6	50	4	○	○
PEX3F02507005004	2.5	7	50	4	○	○
PEX3F03008005004	3.0	8	50	4	○	○
PEX3F03510005004	3.5	10	50	4	○	○
PEX3F04011005004	4.0	11	50	4	○	○
PEX3F04511005006	4.5	11	50	6	○	○
PEX3F05013005006	5.0	13	50	6	○	○
PEX3F05513005006	5.5	13	50	6	○	○
PEX3F06015005006	6.0	15	50	6	○	○
PEX3F06515006008	6.5	15	60	8	○	○
PEX3F07017006008	7.0	17	60	8	○	○
PEX3F07517006008	7.5	17	60	8	○	○
PEX3F08020006008	8.0	20	60	8	○	○
PEX3F08520007510	8.5	20	75	10	○	○
PEX3F09023007510	9.0	23	75	10	○	○
PEX3F09523007510	9.5	23	75	10	○	○
PEX3F10025007510	10.0	25	75	10	○	○
PEX3F10525007512	10.5	25	75	12	○	○
PEX3F11028007512	11.0	28	75	12	○	○
PEX3F11528007512	11.5	28	75	12	○	○
PEX3F12030007512	12.0	30	75	12	○	○
PEX3F13045010014	13.0	45	100	14	○	○
PEX3F14045010014	14.0	45	100	14	○	○
PEX3F15045010016	15.0	45	100	16	○	○
PEX3F16045010016	16.0	45	100	16	○	○
PEX3F17045010018	17.0	45	100	18	○	○
PEX3F18045010018	18.0	45	100	18	○	○
PEX3F19045010020	19.0	45	100	20	○	○
PEX3F20045010020	20.0	45	100	20	○	○
PEX3F22045010025	22.0	45	100	25	○	○
PEX3F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
•	•	•	•	•

★ TOLERANCES 公差

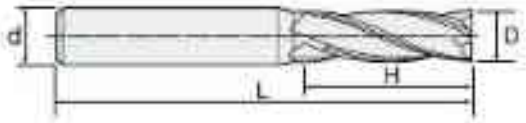
Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

PEX 4 flutes square end mills

4刃立銑刀









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Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX4F01003005004	1.0	3	50	4	○	○
PEX4F01504505004	1.5	4.5	50	4	○	○
PEX4F02006005004	2.0	6	50	4	○	○
PEX4F02507005004	2.5	7	50	4	○	○
PEX4F03008005004	3.0	8	50	4	○	○
PEX4F03510005004	3.5	10	50	4	○	○
PEX4F04011005004	4.0	11	50	4	○	○
PEX4F04513005006	4.5	13	50	6	○	○
PEX4F05013005006	5.0	13	50	6	○	○
PEX4F05513005006	5.5	13	50	6	○	○
PEX4F06015005006	6.0	15	50	6	○	○
PEX4F06517006008	6.5	17	60	8	○	○
PEX4F07017006008	7.0	17	60	8	○	○
PEX4F07517006008	7.5	17	60	8	○	○
PEX4F08020006008	8.0	20	60	8	○	○
PEX4F08523007510	8.5	23	75	10	○	○
PEX4F09023007510	9.0	23	75	10	○	○
PEX4F09525007510	9.5	25	75	10	○	○
PEX4F10025007510	10.0	25	75	10	○	○
PEX4F10525007512	10.5	25	75	12	○	○
PEX4F11028007512	11.0	28	75	12	○	○
PEX4F11528007512	11.5	28	75	12	○	○
PEX4F12030007512	12.0	30	75	12	○	○
PEX4F13033010014	13.0	33	100	14	○	○
PEX4F14045010014	14.0	45	100	14	○	○
PEX4F15045010016	15.0	45	100	16	○	○
PEX4F16045010016	16.0	45	100	16	○	○
PEX4F17045010018	17.0	45	100	18	○	○
PEX4F18045010018	18.0	45	100	18	○	○
PEX4F19045010020	19.0	45	100	20	○	○
PEX4F20045010020	20.0	45	100	20	○	○
PEX4F22045010025	22.0	45	100	25	○	○
PEX4F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
•	•	•	•	•

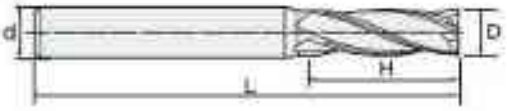
★ TOLERANCES 公差

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

PEX Long shank 4 flutes square end mills







Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX4F01003007504	1.0	3	75	4	○	○
PEX4F01504507504	1.5	4.5	75	4	○	○
PEX4F02006007504	2.0	6	75	4	○	○
PEX4F02507007504	2.5	7	75	4	○	○
PEX4F03008007504	3.0	8	75	4	○	○
PEX4F03510007504	3.5	10	75	4	○	○
PEX4F04011007504	4.0	11	75	4	○	○
PEX4F04513007506	4.5	13	75	6	○	○
PEX4F05013007506	5.0	13	75	6	○	○
PEX4F05513007506	5.5	13	75	6	○	○
PEX4F06015007506	6.0	15	75	6	○	○
PEX4F06517007508	6.5	17	75	8	○	○
PEX4F07017007508	7.0	17	75	8	○	○
PEX4F07517007508	7.5	17	75	8	○	○
PEX4F08020007508	8.0	20	75	8	○	○
PEX4F03008010006	3.0	8	100	6	○	○
PEX4F04011010006	4.0	11	100	6	○	○
PEX4F05013010006	5.0	13	100	6	○	○
PEX4F06015010006	6.0	15	100	6	○	○
PEX4F07017010008	7.0	17	100	8	○	○
PEX4F08020010008	8.0	20	100	8	○	○
PEX4F09023010010	9.0	23	100	10	○	○
PEX4F10025010010	10.0	25	100	10	○	○
PEX4F11028010012	11.0	28	100	12	○	○
PEX4F12030010012	12.0	30	100	12	○	○
PEX4F08020015008	8.0	20	150	8	○	○
PEX4F10025015010	10.0	25	150	10	○	○
PEX4F12030015012	12.0	30	150	12	○	○
PEX4F16050015016	16.0	50	150	16	○	○
PEX4F18050015018	18.0	50	150	18	○	○
PEX4F20050015020	20.0	50	150	20	○	○
PEX4F16050020016	16.0	50	200	16	○	○
PEX4F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL 被削材質

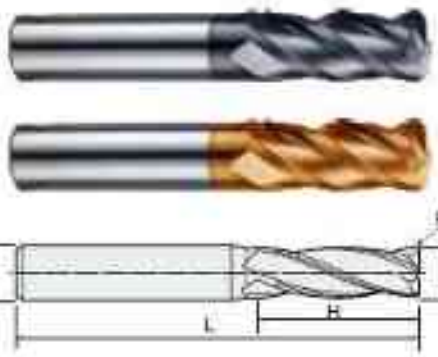
PEX

P20 S45C 機構鋼	SCM SK 合金鋼	FC FCD 鑄鐵	CU 銅合金	304 不銹鋼
●	●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

PEX 4 flutes corner radius end mills





Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
PEX4F010R0203005004	1.0	0.2	3	50	4	○	○
PEX4F015R0204005004	1.5	0.2	4	50	4	○	○
PEX4F015R0504005004	1.5	0.5	4	50	4	○	○
PEX4F020R0206005004	2.0	0.2	6	50	4	○	○
PEX4F020R0506005004	2.0	0.5	6	50	4	○	○
PEX4F025R0208005004	2.5	0.2	8	50	4	○	○
PEX4F025R0508005004	2.5	0.5	8	50	4	○	○
PEX4F030R0208005004	3.0	0.2	8	50	4	○	○
PEX4F030R0508005004	3.0	0.5	8	50	4	○	○
PEX4F030R1008005004	3.0	1.0	8	50	4	○	○
PEX4F040R0211005004	4.0	0.2	11	50	4	○	○
PEX4F040R0511005004	4.0	0.5	11	50	4	○	○
PEX4F040R1011005004	4.0	1.0	11	50	4	○	○
PEX4F050R0513005006	5.0	0.5	13	50	6	○	○
PEX4F050R1013005006	5.0	1.0	13	50	6	○	○
PEX4F060R0215005006	6.0	0.2	15	50	6	○	○
PEX4F060R0515005006	6.0	0.5	15	50	6	○	○
PEX4F060R1015005006	6.0	1.0	15	50	6	○	○
PEX4F060R1515005006	6.0	1.5	15	50	6	○	○
PEX4F060R2015005006	6.0	2.0	15	50	6	○	○
PEX4F080R0520006008	8.0	0.5	20	60	8	○	○
PEX4F080R1020006008	8.0	1.0	20	60	8	○	○
PEX4F080R1520006008	8.0	1.5	20	60	8	○	○
PEX4F080R2020006008	8.0	2.0	20	60	8	○	○
PEX4F100R0525007510	10.0	0.5	25	75	10	○	○
PEX4F100R1025007510	10.0	1.0	25	75	10	○	○
PEX4F100R1525007510	10.0	1.5	25	75	10	○	○
PEX4F100R2025007510	10.0	2.0	25	75	10	○	○
PEX4F100R2525007510	10.0	2.5	25	75	10	○	○
PEX4F100R3025007510	10.0	3.0	25	75	10	○	○
PEX4F120R0530007512	12.0	0.5	30	75	12	○	○
PEX4F120R1030007512	12.0	1.0	30	75	12	○	○
PEX4F120R1530007512	12.0	1.5	30	75	12	○	○
PEX4F120R2030007512	12.0	2.0	30	75	12	○	○
PEX4F120R2530007512	12.0	2.5	30	75	12	○	○
PEX4F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL

PEX

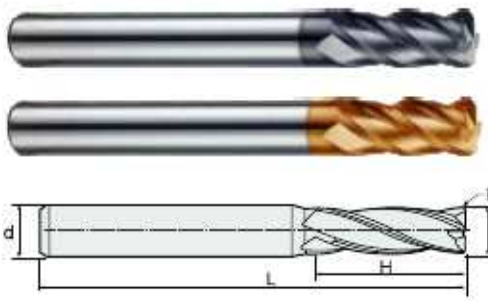
P20 S45C	SCM SK	FC FCD	CU	304
●	●	●	●	●

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

PEX Long shank 4 flutes corner radius end mills

長柄圓鼻 4刃立銑刀







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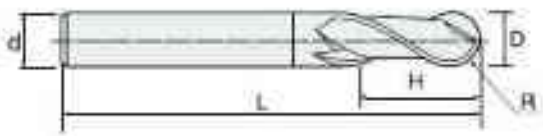
Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
PEX4F010R0203007504	1.0	0.2	3	75	4	○	○
PEX4F015R0204007504	1.5	0.2	4	75	4	○	○
PEX4F015R0504007504	1.5	0.5	4	75	4	○	○
PEX4F020R0206007504	2.0	0.2	6	75	4	○	○
PEX4F020R0506007504	2.0	0.5	6	75	4	○	○
PEX4F025R0208007504	2.5	0.2	8	75	4	○	○
PEX4F025R0508007504	2.5	0.5	8	75	4	○	○
PEX4F030R0208007504	3.0	0.2	8	75	4	○	○
PEX4F030R0508007504	3.0	0.5	8	75	4	○	○
PEX4F030R1008007504	3.0	1.0	8	75	4	○	○
PEX4F040R0211007504	4.0	0.2	11	75	4	○	○
PEX4F040R0511007504	4.0	0.5	11	75	4	○	○
PEX4F040R1011007504	4.0	1.0	11	75	4	○	○
PEX4F050R0513007506	5.0	0.5	13	75	6	○	○
PEX4F050R1013007506	5.0	1.0	13	75	6	○	○
PEX4F060R0215007506	6.0	0.2	15	75	6	○	○
PEX4F060R0515007506	6.0	0.5	15	75	6	○	○
PEX4F060R1015007506	6.0	1.0	15	75	6	○	○
PEX4F060R1515007506	6.0	1.5	15	75	6	○	○
PEX4F060R2015007506	6.0	2.0	15	75	6	○	○
PEX4F080R0520007508	8.0	0.5	20	75	8	○	○
PEX4F080R1020007508	8.0	1.0	20	75	8	○	○
PEX4F080R1520007508	8.0	1.5	20	75	8	○	○
PEX4F080R2020007508	8.0	2.0	20	75	8	○	○
PEX4F040R0211010006	4.0	0.2	11	100	6	○	○
PEX4F040R0511010006	4.0	0.5	11	100	6	○	○
PEX4F040R1011010006	4.0	1.0	11	100	6	○	○
PEX4F050R0513010006	5.0	0.5	13	100	6	○	○
PEX4F050R1013010006	5.0	1.0	13	100	6	○	○
PEX4F060R0215010006	6.0	0.2	15	100	6	○	○
PEX4F060R0515010006	6.0	0.5	15	100	6	○	○
PEX4F060R1015010006	6.0	1.0	15	100	6	○	○
PEX4F060R1515010006	6.0	1.5	15	100	6	○	○
PEX4F060R2015010006	6.0	2.0	15	100	6	○	○
PEX4F080R0520010008	8.0	0.5	20	100	8	○	○
PEX4F080R1020010008	8.0	1.0	20	100	8	○	○
PEX4F080R1520010008	8.0	1.5	20	100	8	○	○
PEX4F080R2020010008	8.0	2.0	20	100	8	○	○
PEX4F100R0525010010	10.0	0.5	25	100	10	○	○
PEX4F100R1025010010	10.0	1.0	25	100	10	○	○
PEX4F100R1525010010	10.0	1.5	25	100	10	○	○
PEX4F100R2025010010	10.0	2.0	25	100	10	○	○
PEX4F100R2525010010	10.0	2.5	25	100	10	○	○
PEX4F100R3025010010	10.0	3.0	25	100	10	○	○
PEX4F120R0530010012	12.0	0.5	30	100	12	○	○
PEX4F120R1030010012	12.0	1.0	30	100	12	○	○
PEX4F120R1530010012	12.0	1.5	30	100	12	○	○
PEX4F120R2030010012	12.0	2.0	30	100	12	○	○
PEX4F120R2530010012	12.0	2.5	30	100	12	○	○
PEX4F120R3030010012	12.0	3.0	30	100	12	○	○

■Special specifications can be customized. ■特殊規格可訂制。

PEX 2 flutes ball nose end mills

2刃球鼻立铣刀









B100

Product Code 产品编号	R Blade 刀径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
PEX2FR005002005004	R0.50	2.0	50	4	○	○
PEX2FR007503005004	R0.75	3.0	50	4	○	○
PEX2FR010004005004	R1.00	4.0	50	4	○	○
PEX2FR012505005004	R1.25	5.0	50	4	○	○
PEX2FR015006005004	R1.50	6.0	50	4	○	○
PEX2FR017507005004	R1.75	7.0	50	4	○	○
PEX2FR020008005004	R2.00	8.0	50	4	○	○
PEX2FR005002005006	R0.50	2.0	50	6	○	○
PEX2FR007503005006	R0.75	3.0	50	6	○	○
PEX2FR010004005006	R1.00	4.0	50	6	○	○
PEX2FR012505005006	R1.25	5.0	50	6	○	○
PEX2FR015006005006	R1.50	6.0	50	6	○	○
PEX2FR017507005006	R1.75	7.0	50	6	○	○
PEX2FR020008005006	R2.00	8.0	50	6	○	○
PEX2FR022508005006	R2.25	9.0	50	6	○	○
PEX2FR025010005006	R2.50	10.0	50	6	○	○
PEX2FR027511005006	R2.75	11.0	50	6	○	○
PEX2FR030012005006	R3.00	12.0	50	6	○	○
PEX2FR032513006008	R3.25	13.0	60	8	○	○
PEX2FR035014006008	R3.50	14.0	60	8	○	○
PEX2FR037515006008	R3.75	15.0	60	8	○	○
PEX2FR040016006008	R4.00	16.0	60	8	○	○
PEX2FR045018007510	R4.50	18.0	75	10	○	○
PEX2FR050020007510	R5.00	20.0	75	10	○	○
PEX2FR060024007512	R6.00	24.0	75	12	○	○
PEX2FR070028010014	R7.00	28.0	100	14	○	○
PEX2FR080032010016	R8.00	32.0	100	16	○	○
PEX2FR090036010018	R9.00	36.0	100	18	○	○
PEX2FR100040010020	R10.0	40.0	100	20	○	○
PEX2FR125050010025	R12.5	50.0	100	25	○	○

★ WORK MATERAIL 被加材质

PEX

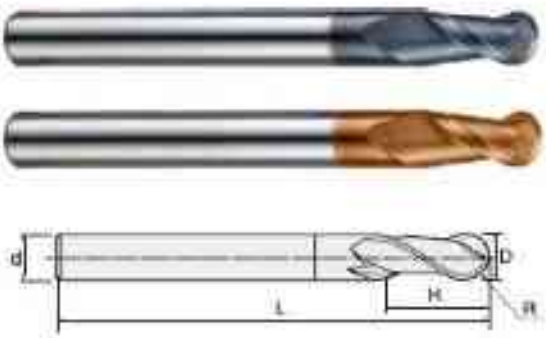
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
•	•	•	•	•

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES 公差

Blade diameter 刃径直径	Blade diameter tolerance 刃径直径公差	Shank diameter tolerance 柄径直径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

PEX Long shank 2 flutes ball nose end mills







Product Code	R Blade	Blade length	Full	Shank	Inventory	
					AL	AS
PEX2FR005002007504	R0.50	2	75	4	○	○
PEX2FR007503007504	R0.75	3	75	4	○	○
PEX2FR010004007504	R1.00	4	75	4	○	○
PEX2FR012505007504	R1.25	5	75	4	○	○
PEX2FR015006007504	R1.50	6	75	4	○	○
PEX2FR017507007504	R1.75	7	75	4	○	○
PEX2FR020008007504	R2.00	8	75	4	○	○
PEX2FR022509007506	R2.25	9	75	6	○	○
PEX2FR025010007506	R2.50	10	75	6	○	○
PEX2FR027511007506	R2.75	11	75	6	○	○
PEX2FR030012007506	R3.00	12	75	6	○	○
PEX2FR040016007508	R4.00	16	75	8	○	○
PEX2FR005002010006	R0.50	2	100	6	○	○
PEX2FR007503010006	R0.75	3	100	6	○	○
PEX2FR010004010006	R1.00	4	100	6	○	○
PEX2FR012505010006	R1.25	5	100	6	○	○
PEX2FR015006010006	R1.50	6	100	6	○	○
PEX2FR017507010006	R1.75	7	100	6	○	○
PEX2FR020008010006	R2.00	8	100	6	○	○
PEX2FR022509010006	R2.25	9	100	6	○	○
PEX2FR025010010006	R2.50	10	100	6	○	○
PEX2FR027511010006	R2.75	11	100	6	○	○
PEX2FR030012010006	R3.00	12	100	6	○	○
PEX2FR040016010008	R4.00	16	100	8	○	○
PEX2FR050020010010	R5.00	20	100	10	○	○
PEX2FR060024010012	R6.00	24	100	12	○	○
PEX2FR030012015006	R3.00	12	150	6	○	○
PEX2FR040016015008	R4.00	16	150	8	○	○
PEX2FR050020015010	R5.00	20	150	10	○	○
PEX2FR060024015012	R6.00	24	150	12	○	○
PEX2FR070028015014	R7.00	28	150	14	○	○
PEX2FR080032015016	R8.00	32	150	16	○	○
PEX2FR100040015020	R10.00	40	150	20	○	○
PEX2FR040016020008	R4.00	16	200	8	○	○
PEX2FR050020020010	R5.00	20	200	10	○	○
PEX2FR060024020012	R6.00	24	200	12	○	○
PEX2FR070028020014	R7.00	28	200	14	○	○
PEX2FR080032020016	R8.00	32	200	16	○	○
PEX2FR100036020020	R10.00	40	200	20	○	○

★ WORK MATERAIL

PEX

P20 S45C	SCM SK	FC FCD	CU	304
●	●	●	●	●

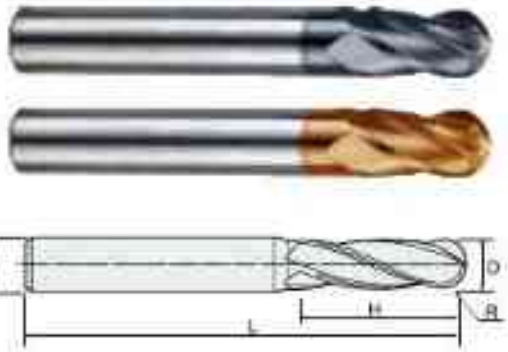
R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES

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

PEX 4 flutes ball nose end mills

4刃球鼻立铣刀







Product Code 产品编号	R Blade 半径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
PEX4FR005002005004	R0.50	2.0	50	4	○	○
PEX4FR007503005004	R0.75	3.0	50	4	○	○
PEX4FR010004005004	R1.00	4.0	50	4	○	○
PEX4FR012505005004	R1.25	5.0	50	4	○	○
PEX4FR015006005004	R1.50	6.0	50	4	○	○
PEX4FR017507005004	R1.75	7.0	50	4	○	○
PEX4FR020008005004	R2.00	8.0	50	4	○	○
PEX4FR022509005006	R2.25	9.0	50	6	○	○
PEX4FR025010005006	R2.50	10.0	50	6	○	○
PEX4FR027511005006	R2.75	11.0	50	6	○	○
PEX4FR030012005006	R3.00	12.0	50	6	○	○
PEX4FR032513006008	R3.25	13.0	60	8	○	○
PEX4FR035014006008	R3.50	14.0	60	8	○	○
PEX4FR037515006008	R3.75	15.0	60	8	○	○
PEX4FR040016006008	R4.00	16.0	60	8	○	○
PEX4FR045018007510	R4.50	18.0	75	10	○	○
PEX4FR050020007510	R5.00	20.0	75	10	○	○
PEX4FR060024007512	R6.00	24.0	75	12	○	○
PEX4FR070028010014	R7.00	28.0	100	14	○	○
PEX4FR080032010016	R8.00	32.0	100	16	○	○
PEX4FR090036010018	R9.00	36.0	100	18	○	○
PEX4FR100040010020	R10.0	40.0	100	20	○	○
PEX4FR125050010025	R12.5	50.0	100	25	○	○

★ WORK MATERAIL 被加材质

PEX

P20 S45C 模具钢	SCM SK 合金钢	FC FCD 铸铁	CU 铜合金	304 不锈钢
•	•	•	•	•

R	R diameter tolerance
R	R±0.015

★ TOLERANCES 公差

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

★ TOLERANCES 公差

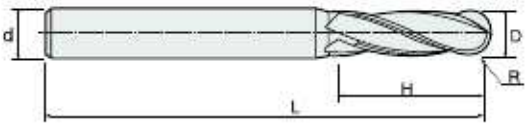
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.8	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.8	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

PEX Long shank 4 flutes ball nose end mills

長柄 4刃球型立銑刀









Product Code 產品編號	R Blade R徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX4FR005002007504	R0.50	2	75	4	○	○
PEX4FR007503007504	R0.75	3	75	4	○	○
PEX4FR010004007504	R1.00	4	75	4	○	○
PEX4FR012505007504	R1.25	5	75	4	○	○
PEX4FR015006007504	R1.50	6	75	4	○	○
PEX4FR017507007504	R1.75	7	75	4	○	○
PEX4FR020008007504	R2.00	8	75	4	○	○
PEX4FR022509007506	R2.25	9	75	6	○	○
PEX4FR025010007506	R2.50	10	75	6	○	○
PEX4FR027511007506	R2.75	11	75	6	○	○
PEX4FR030012007506	R3.00	12	75	6	○	○
PEX4FR040016007508	R4.00	16	75	8	○	○
PEX4FR005002010006	R0.50	2	100	6	○	○
PEX4FR007503010006	R0.75	3	100	6	○	○
PEX4FR010004010006	R1.00	4	100	6	○	○
PEX4FR012505010006	R1.25	5	100	6	○	○
PEX4FR015006010006	R1.50	6	100	6	○	○
PEX4FR017507010006	R1.75	7	100	6	○	○
PEX4FR020008010006	R2.00	8	100	6	○	○
PEX4FR022509010006	R2.25	9	100	6	○	○
PEX4FR025010010006	R2.50	10	100	6	○	○
PEX4FR027511010006	R2.75	11	100	6	○	○
PEX4FR030012010006	R3.00	12	100	6	○	○
PEX4FR040016010008	R4.00	16	100	8	○	○
PEX4FR050020010010	R5.00	20	100	10	○	○
PEX4FR060024010012	R6.00	24	100	12	○	○
PEX4FR030012015006	R3.00	12	150	6	○	○
PEX4FR040016015008	R4.00	16	150	8	○	○
PEX4FR050020015010	R5.00	20	150	10	○	○
PEX4FR060024015012	R6.00	24	150	12	○	○
PEX4FR070028015014	R7.00	28	150	14	○	○
PEX4FR080032015016	R8.00	32	150	16	○	○
PEX4FR100040015020	R10.00	40	150	20	○	○
PEX4FR040016020008	R4.00	16	200	8	○	○
PEX4FR050020020010	R5.00	20	200	10	○	○
PEX4FR060024020012	R6.00	24	200	12	○	○
PEX4FR070028020014	R7.00	28	200	14	○	○
PEX4FR080032020016	R8.00	32	200	16	○	○
PEX4FR100040020020	R10.00	40	200	20	○	○

★ WORK MATERAIL 被削材质

PEX

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

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES 公差

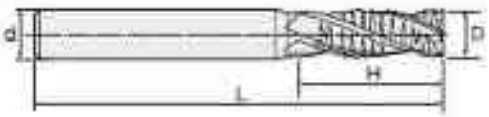
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

PEX 3 flutes roughing end mills

3刃粗铣立铣刀











B104

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
PEXCP3F061505006	6.0	15	50	6	○	○
PEXCP3F082006008	8.0	20	60	8	○	○
PEXCP3F102507510	10.0	25	75	10	○	○
PEXCP3F123007512	12.0	30	75	12	○	○
PEXCP3F164010016	16.0	40	100	16	○	○
PEXCP3F204010020	20.0	40	100	20	○	○
PEXCP3F061510006	6.0	15	100	6	○	○
PEXCP3F082010008	8.0	20	100	8	○	○
PEXCP3F102510010	10.0	25	100	10	○	○
PEXCP3F123010012	12.0	30	100	12	○	○

★ WORK MATERAIL 被削材质

PEX

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

★ TOLERANCES 公差

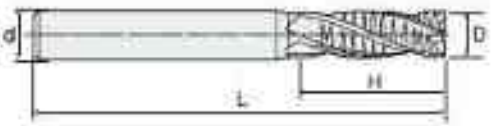
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ6.0	-0.01~-0.03	h6
Φ7.0~Φ10.0	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ21.0~Φ25.0	-0.015~-0.05	
Φ30.0	-0.015~-0.055	

PEX 4 flutes roughing end mills

4刃粗铣立铣刀











B105

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
PEXCP4F061505006	6.0	15	50	6	○	○
PEXCP4F082006008	8.0	20	60	8	○	○
PEXCP4F102507510	10.0	25	75	10	○	○
PEXCP4F123007512	12.0	30	75	12	○	○
PEXCP4F164010016	16.0	40	100	16	○	○
PEXCP4F204010020	20.0	40	100	20	○	○
PEXCP4F061510006	6.0	15	100	6	○	○
PEXCP4F082010008	8.0	20	100	8	○	○
PEXCP4F102510010	10.0	25	100	10	○	○
PEXCP4F123010012	12.0	30	100	12	○	○

※ WORK MATERAIL 被削材质

PEX

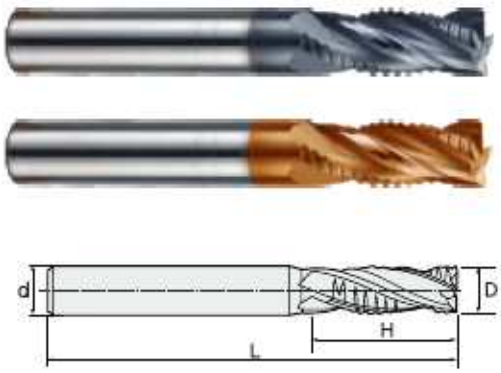
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

※ TOLERANCES 公差

Blade diameter 刃径直径	Blade diameter tolerance 刃径直径公差	Shank diameter tolerance 柄径直径公差
Φ6.0	-0.01~-0.03	h6
Φ7.0~Φ10.0	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ21.0~Φ25.0	-0.015~-0.05	
Φ30.0	-0.015~-0.056	

PEX 4 flutes half roughing end mills

4刃半粗铣立铣刀





MG | 0.6μm | CO10% | HRC55 | AlTiNL | HRC58 | AlTiNS

B106

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEXBCP4F061505006	6.0	15	50	6	○	○
PEXBCP4F082006008	8.0	20	60	8	○	○
PEXBCP4F102507510	10.0	25	75	10	○	○
PEXBCP4F123007512	12.0	30	75	12	○	○
PEXBCP4F164010016	16.0	40	100	16	○	○
PEXBCP4F204010020	20.0	40	100	20	○	○
PEXBCP4F061510006	6.0	15	100	6	○	○
PEXBCP4F082010008	8.0	20	100	8	○	○
PEXBCP4F102510010	10.0	25	100	10	○	○
PEXBCP4F123010012	12.0	30	100	12	○	○

★ WORK MATERAIL 被削材质

PEX

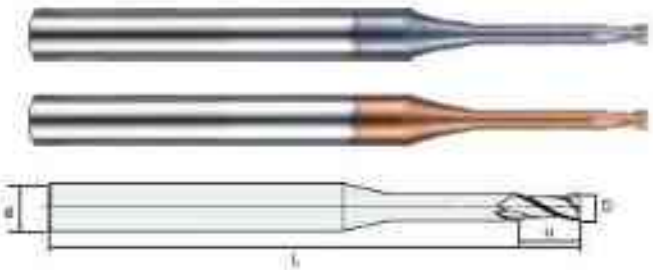
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ6.0	-0.01~-0.03	H6
Φ7.0~Φ10.0	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ21.0~Φ25.0	-0.015~-0.05	
Φ30.0	-0.015~-0.055	

PEX 2 flutes long neck short flute square end mills

二刃平底深颈铣刀

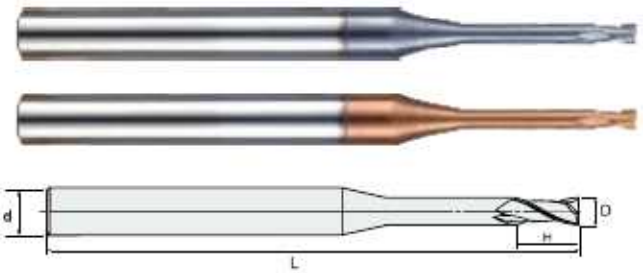




Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
						AL	AS
PEX2F0020030100S004	0.2	0.3	1	50	4	O	O
PEX2F0020030200S004	0.2	0.3	2	50	4	O	O
PEX2F0030040100S004	0.3	0.4	1	50	4	O	O
PEX2F0030040200S004	0.3	0.4	2	50	4	O	O
PEX2F0030040300S004	0.3	0.4	3	50	4	O	O
PEX2F0030040400S004	0.3	0.4	4	50	4	O	O
PEX2F0030040500S004	0.3	0.4	5	50	4	O	O
PEX2F0040050100S004	0.4	0.5	1	50	4	O	O
PEX2F0040050200S004	0.4	0.5	2	50	4	O	O
PEX2F0040050300S004	0.4	0.5	3	50	4	O	O
PEX2F0040050400S004	0.4	0.5	4	50	4	O	O
PEX2F0040050500S004	0.4	0.5	5	50	4	O	O
PEX2F0040050600S004	0.4	0.5	6	50	4	O	O
PEX2F0040050800S004	0.4	0.5	8	50	4	O	O
PEX2F0040051000S004	0.4	0.5	10	50	4	O	O
PEX2F0050060200S004	0.5	0.6	2	50	4	O	O
PEX2F0050060300S004	0.5	0.6	3	50	4	O	O
PEX2F0050060400S004	0.5	0.6	4	50	4	O	O
PEX2F0050060500S004	0.5	0.6	5	50	4	O	O
PEX2F0050060600S004	0.5	0.6	6	50	4	O	O
PEX2F0050060800S004	0.5	0.6	8	50	4	O	O
PEX2F0050061000S004	0.5	0.6	10	50	4	O	O
PEX2F0050061200S004	0.5	0.6	12	50	4	O	O
PEX2F0050061400S004	0.5	0.6	14	50	4	O	O
PEX2F0060070200S004	0.6	0.7	2	50	4	O	O
PEX2F0060070300S004	0.6	0.7	3	50	4	O	O
PEX2F0060070400S004	0.6	0.7	4	50	4	O	O
PEX2F0060070500S004	0.6	0.7	5	50	4	O	O
PEX2F0060070600S004	0.6	0.7	6	50	4	O	O
PEX2F0060070800S004	0.6	0.7	8	50	4	O	O
PEX2F0060071000S004	0.6	0.7	10	50	4	O	O
PEX2F0060071200S004	0.6	0.7	12	50	4	O	O
PEX2F0060071400S004	0.6	0.7	14	50	4	O	O
PEX2F0060071600S004	0.6	0.7	16	50	4	O	O
PEX2F0070080200S004	0.7	0.8	2	50	4	O	O
PEX2F0070080400S004	0.7	0.8	4	50	4	O	O
PEX2F0070080600S004	0.7	0.8	6	50	4	O	O
PEX2F0070080800S004	0.7	0.8	8	50	4	O	O
PEX2F0070081000S004	0.7	0.8	10	50	4	O	O
PEX2F0070081200S004	0.7	0.8	12	50	4	O	O
PEX2F0080100200S004	0.8	1.0	2	50	4	O	O
PEX2F0080100400S004	0.8	1.0	4	50	4	O	O
PEX2F0080100600S004	0.8	1.0	6	50	4	O	O
PEX2F0080100800S004	0.8	1.0	8	50	4	O	O
PEX2F0080101000S004	0.8	1.0	10	50	4	O	O
PEX2F0080101200S004	0.8	1.0	12	50	4	O	O
PEX2F0080101400S004	0.8	1.0	14	50	4	O	O
PEX2F0090110600S004	0.9	1.1	6	50	4	O	O
PEX2F0090110800S004	0.9	1.1	8	50	4	O	O
PEX2F0090111000S004	0.9	1.1	10	50	4	O	O
PEX2F0100120200S004	1.0	1.2	2	50	4	O	O
PEX2F0100120300S004	1.0	1.2	3	50	4	O	O
PEX2F0100120400S004	1.0	1.2	4	50	4	O	O
PEX2F0100120500S004	1.0	1.2	5	50	4	O	O
PEX2F0100120600S004	1.0	1.2	6	50	4	O	O
PEX2F0100120800S004	1.0	1.2	8	50	4	O	O
PEX2F0100121000S004	1.0	1.2	10	50	4	O	O

PEX 2 flutes long neck short flute square end mills

二刃平底深溝銑刀





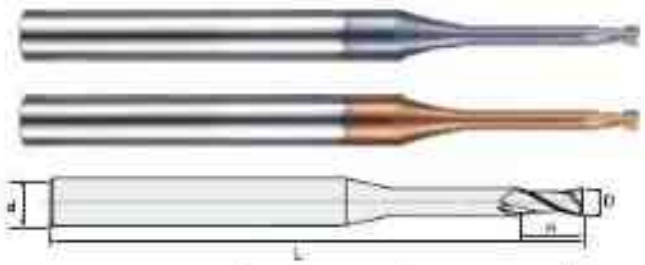
MG | 0.6μm | CO10% | HRC-55 | AlTiNL | HRC-58 | AlTiNS

B108

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
PEX2F01001212005004	1.0	1.2	12	50	4	O	O
PEX2F01001214005004	1.0	1.2	14	50	4	O	O
PEX2F01001216005004	1.0	1.2	16	50	4	O	O
PEX2F01001218005004	1.0	1.2	18	50	4	O	O
PEX2F01001220005004	1.0	1.2	20	50	4	O	O
PEX2F01201504005004	1.2	1.5	4	50	4	O	O
PEX2F01201506005004	1.2	1.5	6	50	4	O	O
PEX2F01201508005004	1.2	1.5	8	50	4	O	O
PEX2F01201510005004	1.2	1.5	10	50	4	O	O
PEX2F01201512005004	1.2	1.5	12	50	4	O	O
PEX2F01201516005004	1.2	1.5	16	50	4	O	O
PEX2F01201520005004	1.2	1.5	20	50	4	O	O
PEX2F01401806005004	1.4	1.8	6	50	4	O	O
PEX2F01401808005004	1.4	1.8	8	50	4	O	O
PEX2F01401810005004	1.4	1.8	10	50	4	O	O
PEX2F01401814005004	1.4	1.8	14	50	4	O	O
PEX2F01401816005004	1.4	1.8	16	50	4	O	O
PEX2F01401820005004	1.4	1.8	20	50	4	O	O
PEX2F01501804005004	1.5	1.8	4	50	4	O	O
PEX2F01501806005004	1.5	1.8	6	50	4	O	O
PEX2F01501808005004	1.5	1.8	8	50	4	O	O
PEX2F01501810005004	1.5	1.8	10	50	4	O	O
PEX2F01501812005004	1.5	1.8	12	50	4	O	O
PEX2F01501814005004	1.5	1.8	14	50	4	O	O
PEX2F01501816005004	1.5	1.8	16	50	4	O	O
PEX2F01501818005004	1.5	1.8	18	50	4	O	O
PEX2F01501820005004	1.5	1.8	20	50	4	O	O
PEX2F01601910005004	1.6	1.9	10	50	4	O	O
PEX2F01601914005004	1.6	1.9	14	50	4	O	O
PEX2F01601918005004	1.6	1.9	18	50	4	O	O
PEX2F01802010005004	1.8	2.0	10	50	4	O	O
PEX2F01802014005004	1.8	2.0	14	50	4	O	O
PEX2F01802018005004	1.8	2.0	18	50	4	O	O
PEX2F02002504005004	2.0	2.5	4	50	4	O	O
PEX2F02002506005004	2.0	2.5	6	50	4	O	O
PEX2F02002508005004	2.0	2.5	8	50	4	O	O
PEX2F02002510005004	2.0	2.5	10	50	4	O	O
PEX2F02002512005004	2.0	2.5	12	50	4	O	O
PEX2F02002514005004	2.0	2.5	14	50	4	O	O
PEX2F02002516005004	2.0	2.5	16	50	4	O	O
PEX2F02002518005004	2.0	2.5	18	50	4	O	O
PEX2F02002520005004	2.0	2.5	20	50	4	O	O
PEX2F02002522005004	2.0	2.5	22	50	4	O	O
PEX2F02002525005004	2.0	2.5	25	50	4	O	O
PEX2F02002530005004	2.0	2.5	30	50	4	O	O
PEX2F02002535005004	2.0	2.5	35	50	4	O	O
PEX2F02503008005004	2.5	3.0	8	50	4	O	O
PEX2F02503010005004	2.5	3.0	10	50	4	O	O
PEX2F02503012005004	2.5	3.0	12	50	4	O	O
PEX2F02503016005004	2.5	3.0	16	50	4	O	O
PEX2F02503020005004	2.5	3.0	20	50	4	O	O
PEX2F02503025005004	2.5	3.0	25	50	4	O	O
PEX2F02503030005004	2.5	3.0	30	50	4	O	O
PEX2F02503035005004	2.5	3.0	35	50	4	O	O

PEX 2 flutes long neck short flute square end mills

二刃平底深槽銑刀





Product Code 產品編號	Blade diameter 切徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存 AL	Inventory 庫存 AS
PEX2F0300350600500S	3.0	3.5	6	50	6	O	O
PEX2F0300351000500S	3.0	3.5	10	50	6	O	O
PEX2F0300351200500S	3.0	3.5	12	50	6	O	O
PEX2F0300351600500S	3.0	3.5	16	50	6	O	O
PEX2F0300352000600S	3.0	3.5	20	60	6	O	O
PEX2F0300352500600S	3.0	3.5	25	60	6	O	O
PEX2F0300353000600S	3.0	3.5	30	60	6	O	O
PEX2F0300353500750S	3.0	3.5	35	75	6	O	O
PEX2F0400450800500S	4.0	4.5	8	50	6	O	O
PEX2F0400451000500S	4.0	4.5	10	50	6	O	O
PEX2F0400451200500S	4.0	4.5	12	50	6	O	O
PEX2F0400451600500S	4.0	4.5	16	50	6	O	O
PEX2F0400452000600S	4.0	4.5	20	60	6	O	O
PEX2F0400452500600S	4.0	4.5	25	60	6	O	O
PEX2F0400453000600S	4.0	4.5	30	60	6	O	O
PEX2F0400453500750S	4.0	4.5	35	75	6	O	O
PEX2F0500701600500S	5.0	7.0	16	50	6	O	O
PEX2F0500702000600S	5.0	7.0	20	60	6	O	O
PEX2F0500702500600S	5.0	7.0	25	60	6	O	O
PEX2F0500703000600S	5.0	7.0	30	60	6	O	O
PEX2F0500703500750S	5.0	7.0	35	75	6	O	O
PEX2F0601002000600S	6.0	10.0	20	60	6	O	O
PEX2F0601003000750S	6.0	10.0	30	75	6	O	O
PEX2F0801502000600S	8.0	15.0	20	60	8	O	O
PEX2F0801503000750S	8.0	15.0	30	75	8	O	O
PEX2F0801504001000S	8.0	15.0	40	100	8	O	O
PEX2F1002002507501O	10.0	20.0	25	75	10	O	O
PEX2F1002003507501O	10.0	20.0	35	75	10	O	O
PEX2F1002004501001O	10.0	20.0	45	100	10	O	O
PEX2F1202503007501Z	12.0	25.0	30	75	12	O	O
PEX2F1202504001001Z	12.0	25.0	40	100	12	O	O
PEX2F1202505001001Z	12.0	25.0	50	100	12	O	O

WORK MATERAIL 被加工材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
•	•	•	•	•

TOLERANCES 公差

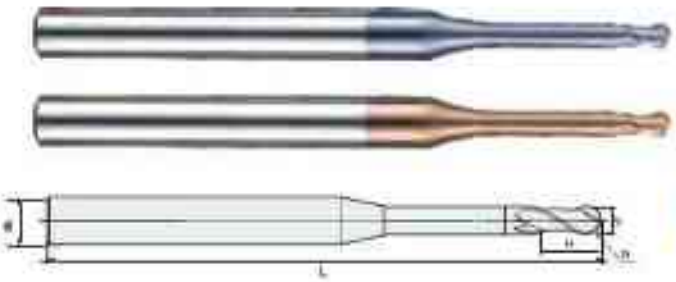
Blade diameter 刃徑基準	Blade diameter tolerance 刃徑基準公差
⊕	0~-0.02

Working material 被切材質	Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼	
Material code 材質編號	45C,S50C,SCM		SCM,SKT,SKD		SCM,SKT,SKD		SKT,SKD	
Hardness grade 硬度等級	HRC < 20		HRC 20~30		HRC 30~40		HRC 40~50	
Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
0.2MM	52,000	310	52,000	240	52,000	250	52,000	200
0.3MM	56,000	520	56,000	460	56,000	410	56,000	410
0.4MM	52,000	610	52,000	580	44,600	420	44,600	420
0.5MM	45,800	640	50,000	720	37,400	470	37,400	470
0.6MM	34,100	830	29,100	650	21,100	460	21,100	460
1.0MM	30,100	1,070	24,400	770	19,500	680	19,500	680
1.5MM	20,000	980	17,500	740	12,400	450	12,400	450
2.0MM	18,500	1,250	16,400	930	11,500	550	11,500	550
2.5MM	14,000	1,240	11,800	950	8,800	650	8,800	650
3.0MM	10,400	1,100	8,700	950	6,200	540	6,200	540
4.0MM	8,500	1,280	7,100	950	5,100	600	5,100	600
5.0MM	5,400	1,040	4,400	760	3,300	460	3,300	460
6.0MM	3,900	890	3,600	680	2,400	440	2,400	440
8.0MM	3,300	910	2,800	710	2,200	450	2,200	450
10.0MM	2,900	890	2,700	840	2,100	430	2,100	430
12.0MM	2,530	710	2,300	540	2,000	400	2,000	400
Milling amount (mm)								

Please refer to 20% table reduce R.P.M & Feed while effective length is increasing.

PEX 2 flutes long neck short flute ball nose end mills

二刃深溝球頭銑刀



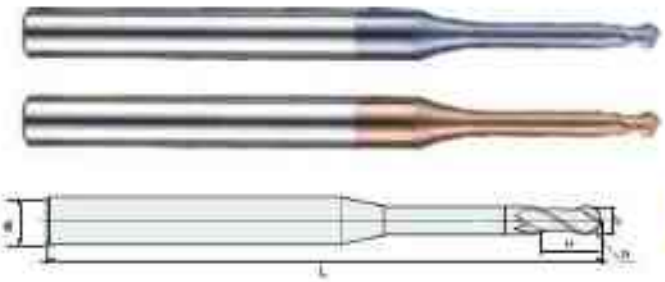




Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
							AL	AS
PEX2FR0150030010050O4	0.15R	0.3	0.3	1	50	4	O	O
PEX2FR0150030020060O4	0.15R	0.3	0.3	2	50	4	O	O
PEX2FR0150030030050O4	0.15R	0.3	0.3	3	50	4	O	O
PEX2FR0200040010050O4	0.20R	0.4	0.4	1	50	4	O	O
PEX2FR0200040020050O4	0.20R	0.4	0.4	2	50	4	O	O
PEX2FR0200040030050O4	0.20R	0.4	0.4	3	50	4	O	O
PEX2FR0200040040050O4	0.20R	0.4	0.4	4	50	4	O	O
PEX2FR0200040050050O4	0.20R	0.4	0.4	5	50	4	O	O
PEX2FR0200040060050O4	0.20R	0.4	0.4	6	50	4	O	O
PEX2FR0200040080050O4	0.20R	0.4	0.4	8	50	4	O	O
PEX2FR0250050010050O4	0.25R	0.5	0.5	1	50	4	O	O
PEX2FR0250050020050O4	0.25R	0.5	0.5	2	50	4	O	O
PEX2FR0250050030050O4	0.25R	0.5	0.5	3	50	4	O	O
PEX2FR0250050040050O4	0.25R	0.5	0.5	4	50	4	O	O
PEX2FR0250050050050O4	0.25R	0.5	0.5	5	50	4	O	O
PEX2FR0250050060050O4	0.25R	0.5	0.5	6	50	4	O	O
PEX2FR0250050080050O4	0.25R	0.5	0.5	8	50	4	O	O
PEX2FR0250050100050O4	0.25R	0.5	0.5	10	50	4	O	O
PEX2FR0300060010050O4	0.30R	0.6	0.6	1	50	4	O	O
PEX2FR0300060020050O4	0.30R	0.6	0.6	2	50	4	O	O
PEX2FR0300060030050O4	0.30R	0.6	0.6	3	50	4	O	O
PEX2FR0300060040050O4	0.30R	0.6	0.6	4	50	4	O	O
PEX2FR0300060050050O4	0.30R	0.6	0.6	5	50	4	O	O
PEX2FR0300060060050O4	0.30R	0.6	0.6	6	50	4	O	O
PEX2FR0300060080050O4	0.30R	0.6	0.6	8	50	4	O	O
PEX2FR0300060100050O4	0.30R	0.6	0.6	10	50	4	O	O
PEX2FR0300060120050O4	0.30R	0.6	0.6	12	50	4	O	O
PEX2FR0350070020050O4	0.35R	0.7	0.7	2	50	4	O	O
PEX2FR0350070040050O4	0.35R	0.7	0.7	4	50	4	O	O
PEX2FR0350070080050O4	0.35R	0.7	0.7	8	50	4	O	O
PEX2FR0350070100050O4	0.35R	0.7	0.7	10	50	4	O	O
PEX2FR0350070120050O4	0.35R	0.7	0.7	12	50	4	O	O
PEX2FR0400080020050O4	0.40R	0.8	0.8	2	50	4	O	O
PEX2FR0400080040050O4	0.40R	0.8	0.8	4	50	4	O	O
PEX2FR0400080060050O4	0.40R	0.8	0.8	6	50	4	O	O
PEX2FR0400080080050O4	0.40R	0.8	0.8	8	50	4	O	O
PEX2FR0400080100050O4	0.40R	0.8	0.8	10	50	4	O	O
PEX2FR0400080120050O4	0.40R	0.8	0.8	12	50	4	O	O
PEX2FR0450090040050O4	0.45R	0.9	0.9	4	50	4	O	O
PEX2FR0500100020050O4	0.50R	1.0	1.0	2	50	4	O	O
PEX2FR0500100030050O4	0.50R	1.0	1.0	3	50	4	O	O
PEX2FR0500100040050O4	0.50R	1.0	1.0	4	50	4	O	O
PEX2FR0500100050050O4	0.50R	1.0	1.0	5	50	4	O	O
PEX2FR0500100060050O4	0.50R	1.0	1.0	6	50	4	O	O
PEX2FR0500100080050O4	0.50R	1.0	1.0	8	50	4	O	O
PEX2FR0500101000500O4	0.50R	1.0	1.0	10	50	4	O	O
PEX2FR0500101200500O4	0.50R	1.0	1.0	12	50	4	O	O
PEX2FR0500101400500O4	0.50R	1.0	1.0	14	50	4	O	O
PEX2FR0500101600500O4	0.50R	1.0	1.0	16	50	4	O	O
PEX2FR0500101800500O4	0.50R	1.0	1.0	18	50	4	O	O
PEX2FR0500102000500O4	0.50R	1.0	1.0	20	50	4	O	O
PEX2FR0500102200500O4	0.50R	1.0	1.0	22	50	4	O	O

PEX 2 flutes long neck short flute ball nose end mills

二刃深槽球鼻铣刀

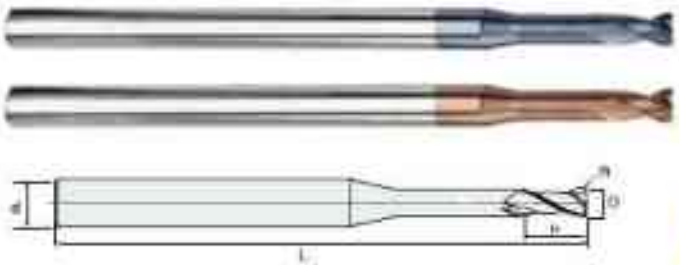




Product Code 产品编号	Radius 半径	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
							AL	AS
PEX2FR06012045004	0.60R	1.2	1.2	4	50	4	O	O
PEX2FR06012065004	0.60R	1.2	1.2	6	50	4	O	O
PEX2FR06012085004	0.60R	1.2	1.2	8	50	4	O	O
PEX2FR06012105004	0.60R	1.2	1.2	10	50	4	O	O
PEX2FR06012125004	0.60R	1.2	1.2	12	50	4	O	O
PEX2FR06012165004	0.60R	1.2	1.2	16	50	4	O	O
PEX2FR06012205004	0.60R	1.2	1.2	20	50	4	O	O
PEX2FR06012245004	0.60R	1.2	1.2	24	50	4	O	O
PEX2FR07014065004	0.70R	1.4	1.4	6	50	4	O	O
PEX2FR07014085004	0.70R	1.4	1.4	8	50	4	O	O
PEX2FR07014125004	0.70R	1.4	1.4	12	50	4	O	O
PEX2FR07014165004	0.70R	1.4	1.4	16	50	4	O	O
PEX2FR07515035004	0.75R	1.5	1.5	3	50	4	O	O
PEX2FR07515045004	0.75R	1.5	1.5	4	50	4	O	O
PEX2FR07515065004	0.75R	1.5	1.5	6	50	4	O	O
PEX2FR07515085004	0.75R	1.5	1.5	8	50	4	O	O
PEX2FR07515105004	0.75R	1.5	1.5	10	50	4	O	O
PEX2FR07515125004	0.75R	1.5	1.5	12	50	4	O	O
PEX2FR07515145004	0.75R	1.5	1.5	14	50	4	O	O
PEX2FR07515165004	0.75R	1.5	1.5	16	50	4	O	O
PEX2FR07515185004	0.75R	1.5	1.5	18	50	4	O	O
PEX2FR07515205004	0.75R	1.5	1.5	20	50	4	O	O
PEX2FR07515225004	0.75R	1.5	1.5	22	50	4	O	O
PEX2FR07515255004	0.75R	1.5	1.5	25	50	4	O	O
PEX2FR07515305004	0.75R	1.5	1.5	30	50	4	O	O
PEX2FR08016065004	0.80R	1.6	1.6	6	50	4	O	O
PEX2FR08016085004	0.80R	1.6	1.6	8	50	4	O	O
PEX2FR08016125004	0.80R	1.6	1.6	12	50	4	O	O
PEX2FR08016165004	0.80R	1.6	1.6	16	50	4	O	O
PEX2FR08016205004	0.80R	1.6	1.6	20	50	4	O	O
PEX2FR09018065004	0.90R	1.8	1.8	6	50	4	O	O
PEX2FR09018085004	0.90R	1.8	1.8	8	50	4	O	O
PEX2FR09018125004	0.90R	1.8	1.8	12	50	4	O	O
PEX2FR09018165004	0.90R	1.8	1.8	16	50	4	O	O
PEX2FR09018205004	0.90R	1.8	1.8	20	50	4	O	O
PEX2FR10020045004	1.00R	2.0	2.0	4	50	4	O	O
PEX2FR10020065004	1.00R	2.0	2.0	6	50	4	O	O
PEX2FR10020085004	1.00R	2.0	2.0	8	50	4	O	O
PEX2FR10020105004	1.00R	2.0	2.0	10	50	4	O	O
PEX2FR10020125004	1.00R	2.0	2.0	12	50	4	O	O
PEX2FR10020145004	1.00R	2.0	2.0	14	50	4	O	O
PEX2FR10020165004	1.00R	2.0	2.0	16	50	4	O	O
PEX2FR10020185004	1.00R	2.0	2.0	18	50	4	O	O
PEX2FR10020205004	1.00R	2.0	2.0	20	50	4	O	O
PEX2FR10020225004	1.00R	2.0	2.0	22	50	4	O	O
PEX2FR10020255004	1.00R	2.0	2.0	25	50	4	O	O
PEX2FR12525085004	1.25R	2.5	2.5	8	50	4	O	O
PEX2FR12525105004	1.25R	2.5	2.5	10	50	4	O	O
PEX2FR12525165004	1.25R	2.5	2.5	16	50	4	O	O
PEX2FR12525205004	1.25R	2.5	2.5	20	50	4	O	O
PEX2FR12525255004	1.25R	2.5	2.5	25	50	4	O	O
PEX2FR12525305004	1.25R	2.5	2.5	30	50	4	O	O

PEX 2 flutes long neck short flute corner radius end mills

二刃长颈短刃圆鼻铣刀



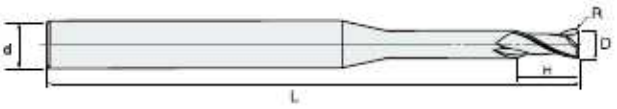


Product Code 产品编号	Blade diameter 刃径	Corner radius R角	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
							AL	AS
PEX010R0010100405004	1.0	0.1R	1.0	4	50	4	O	O
PEX010R0010100605004	1.0	0.1R	1.0	6	50	4	O	O
PEX010R0010100805004	1.0	0.1R	1.0	8	50	4	O	O
PEX010R0010101005004	1.0	0.1R	1.0	10	50	4	O	O
PEX010R0010101205004	1.0	0.1R	1.0	12	50	4	O	O
PEX010R0020100405004	1.0	0.2R	1.0	4	50	4	O	O
PEX010R0020100605004	1.0	0.2R	1.0	6	50	4	O	O
PEX010R0020100805004	1.0	0.2R	1.0	8	50	4	O	O
PEX010R0020101005004	1.0	0.2R	1.0	10	50	4	O	O
PEX010R0020101205004	1.0	0.2R	1.0	12	50	4	O	O
PEX010R0030100405004	1.0	0.3R	1.0	4	50	4	O	O
PEX010R0030100605004	1.0	0.3R	1.0	6	50	4	O	O
PEX010R0030100805004	1.0	0.3R	1.0	8	50	4	O	O
PEX010R0030101005004	1.0	0.3R	1.0	10	50	4	O	O
PEX010R0030101205004	1.0	0.3R	1.0	12	50	4	O	O
PEX012R0010120405004	1.2	0.1R	1.2	4	50	4	O	O
PEX012R0010120605004	1.2	0.1R	1.2	6	50	4	O	O
PEX012R0010120805004	1.2	0.1R	1.2	8	50	4	O	O
PEX012R0010121005004	1.2	0.1R	1.2	10	50	4	O	O
PEX012R0010121205004	1.2	0.1R	1.2	12	50	4	O	O
PEX012R0020120405004	1.2	0.2R	1.2	4	50	4	O	O
PEX012R0020120605004	1.2	0.2R	1.2	6	50	4	O	O
PEX012R0020120805004	1.2	0.2R	1.2	8	50	4	O	O
PEX012R0020121005004	1.2	0.2R	1.2	10	50	4	O	O
PEX012R0020121205004	1.2	0.2R	1.2	12	50	4	O	O
PEX012R0030120405004	1.2	0.3R	1.2	4	50	4	O	O
PEX012R0030120605004	1.2	0.3R	1.2	6	50	4	O	O
PEX012R0030120805004	1.2	0.3R	1.2	8	50	4	O	O
PEX012R0030121005004	1.2	0.3R	1.2	10	50	4	O	O
PEX012R0030121205004	1.2	0.3R	1.2	12	50	4	O	O
PEX015R0010150605004	1.5	0.1R	1.5	6	50	4	O	O
PEX015R0010150805004	1.5	0.1R	1.5	8	50	4	O	O
PEX015R0010151005004	1.5	0.1R	1.5	10	50	4	O	O
PEX015R0010151205004	1.5	0.1R	1.5	12	50	4	O	O
PEX015R0010151605004	1.5	0.1R	1.5	16	50	4	O	O
PEX015R0020150605004	1.5	0.2R	1.5	6	50	4	O	O
PEX015R0020150805004	1.5	0.2R	1.5	8	50	4	O	O
PEX015R0020151005004	1.5	0.2R	1.5	10	50	4	O	O
PEX015R0020151205004	1.5	0.2R	1.5	12	50	4	O	O
PEX015R0020151605004	1.5	0.2R	1.5	16	50	4	O	O
PEX015R0030150605004	1.5	0.3R	1.5	6	50	4	O	O
PEX015R0030150805004	1.5	0.3R	1.5	8	50	4	O	O
PEX015R0030151005004	1.5	0.3R	1.5	10	50	4	O	O
PEX015R0030151205004	1.5	0.3R	1.5	12	50	4	O	O
PEX015R0030151605004	1.5	0.3R	1.5	16	50	4	O	O
PEX015R0050150605004	1.5	0.5R	1.5	6	50	4	O	O
PEX015R0050150805004	1.5	0.5R	1.5	8	50	4	O	O
PEX015R0050151005004	1.5	0.5R	1.5	10	50	4	O	O
PEX015R0050151205004	1.5	0.5R	1.5	12	50	4	O	O
PEX015R0050151605004	1.5	0.5R	1.5	16	50	4	O	O
PEX020R0010200605004	2.0	0.1R	2.0	6	50	4	O	O
PEX020R0010200805004	2.0	0.1R	2.0	8	50	4	O	O
PEX020R0010201005004	2.0	0.1R	2.0	10	50	4	O	O
PEX020R0010201205004	2.0	0.1R	2.0	12	50	4	O	O
PEX020R0010201605004	2.0	0.1R	2.0	16	50	4	O	O
PEX020R0010202005004	2.0	0.1R	2.0	20	60	4	O	O
PEX020R0010202505004	2.0	0.1R	2.0	25	60	4	O	O

PEX 2 flutes long neck short flute corner radius end mills

二刃淑清頸鼻銑刀







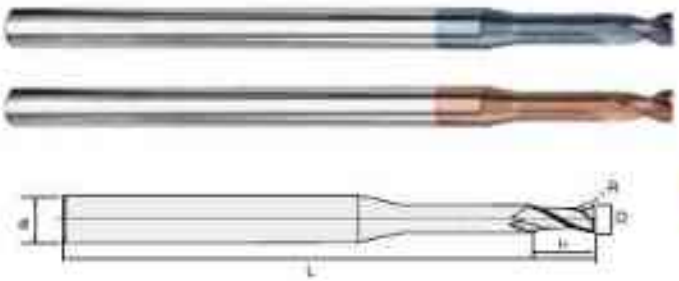


B113

Product Code 產品編號	Blade diameter 刃徑	Corner radius R角	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
							AL	AS
PEX20R02065004	2.0	0.2R	2.0	6	50	4	○	○
PEX20R02085004	2.0	0.2R	2.0	8	50	4	○	○
PEX20R02105004	2.0	0.2R	2.0	10	50	4	○	○
PEX20R02125004	2.0	0.2R	2.0	12	50	4	○	○
PEX20R02165004	2.0	0.2R	2.0	16	50	4	○	○
PEX20R02205004	2.0	0.2R	2.0	20	50	4	○	○
PEX20R02256004	2.0	0.2R	2.0	25	60	4	○	○
PEX20R03065004	2.0	0.3R	2.0	6	50	4	○	○
PEX20R03085004	2.0	0.3R	2.0	8	50	4	○	○
PEX20R03105004	2.0	0.3R	2.0	10	50	4	○	○
PEX20R03125004	2.0	0.3R	2.0	12	50	4	○	○
PEX20R03165004	2.0	0.3R	2.0	16	50	4	○	○
PEX20R03205004	2.0	0.3R	2.0	20	50	4	○	○
PEX20R03256004	2.0	0.3R	2.0	25	60	4	○	○
PEX20R05065004	2.0	0.5R	2.0	6	50	4	○	○
PEX20R05085004	2.0	0.5R	2.0	8	50	4	○	○
PEX20R05105004	2.0	0.5R	2.0	10	50	4	○	○
PEX20R05125004	2.0	0.5R	2.0	12	50	4	○	○
PEX20R05165004	2.0	0.5R	2.0	16	50	4	○	○
PEX20R05205004	2.0	0.5R	2.0	20	50	4	○	○
PEX20R05256004	2.0	0.5R	2.0	25	60	4	○	○
PEX25R01105004	2.5	0.1R	2.5	10	50	4	○	○
PEX25R01165004	2.5	0.1R	2.5	16	50	4	○	○
PEX25R01205004	2.5	0.1R	2.5	20	50	4	○	○
PEX25R01256004	2.5	0.1R	2.5	25	60	4	○	○
PEX25R02105004	2.5	0.2R	2.5	10	50	4	○	○
PEX25R02165004	2.5	0.2R	2.5	16	50	4	○	○
PEX25R02205004	2.5	0.2R	2.5	20	50	4	○	○
PEX25R02256004	2.5	0.2R	2.5	25	60	4	○	○
PEX25R03105004	2.5	0.3R	2.5	10	50	4	○	○
PEX25R03165004	2.5	0.3R	2.5	16	50	4	○	○
PEX25R03205004	2.5	0.3R	2.5	20	50	4	○	○
PEX25R03256004	2.5	0.3R	2.5	25	60	4	○	○
PEX25R05105004	2.5	0.5R	2.5	10	50	4	○	○
PEX25R05165004	2.5	0.5R	2.5	16	50	4	○	○
PEX25R05205004	2.5	0.5R	2.5	20	50	4	○	○
PEX25R05255004	2.5	0.5R	2.5	25	60	4	○	○
PEX30R01105006	3.0	0.1R	3.0	10	50	6	○	○
PEX30R01166006	3.0	0.1R	3.0	16	60	6	○	○
PEX30R01206006	3.0	0.1R	3.0	20	60	6	○	○
PEX30R01256006	3.0	0.1R	3.0	25	60	6	○	○
PEX30R01307506	3.0	0.1R	3.0	30	75	6	○	○
PEX30R01357506	3.0	0.1R	3.0	35	75	6	○	○
PEX30R02105006	3.0	0.2R	3.0	10	50	6	○	○
PEX30R02166006	3.0	0.2R	3.0	16	60	6	○	○
PEX30R02206006	3.0	0.2R	3.0	20	60	6	○	○
PEX30R02256006	3.0	0.2R	3.0	25	60	6	○	○
PEX30R02307506	3.0	0.2R	3.0	30	75	6	○	○
PEX30R02357506	3.0	0.2R	3.0	35	75	6	○	○
PEX30R03105006	3.0	0.3R	3.0	10	50	6	○	○
PEX30R03166006	3.0	0.3R	3.0	16	60	6	○	○
PEX30R03206006	3.0	0.3R	3.0	20	60	6	○	○
PEX30R03256006	3.0	0.3R	3.0	25	60	6	○	○
PEX30R03307506	3.0	0.3R	3.0	30	75	6	○	○
PEX30R03357506	3.0	0.3R	3.0	35	75	6	○	○

PEX 2 flutes long neck short flute corner radius end mills

二刃长颈短刃圆鼻铣刀





B114

Product Code 产品编号	Blade diameter 刃径	Corner radius R角	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存 AL	Inventory 库存 AS
PEX30R05106006	3.0	0.5R	3.0	10	50	6	○	○
PEX30R05166006	3.0	0.5R	3.0	16	60	6	○	○
PEX30R05206006	3.0	0.5R	3.0	20	60	6	○	○
PEX30R05256006	3.0	0.5R	3.0	25	60	6	○	○
PEX30R05307506	3.0	0.5R	3.0	30	75	6	○	○
PEX30R05357506	3.0	0.5R	3.0	35	75	6	○	○
PEX30R10106006	3.0	1.0R	3.0	10	50	6	○	○
PEX30R10166006	3.0	1.0R	3.0	16	60	6	○	○
PEX30R10206006	3.0	1.0R	3.0	20	60	6	○	○
PEX30R10256006	3.0	1.0R	3.0	25	60	6	○	○
PEX30R10307506	3.0	1.0R	3.0	30	75	6	○	○
PEX30R10357506	3.0	1.0R	3.0	35	75	6	○	○
PEX40R01135006	4.0	0.1R	4.0	13	50	6	○	○
PEX40R01166006	4.0	0.1R	4.0	16	60	6	○	○
PEX40R01206006	4.0	0.1R	4.0	20	60	6	○	○
PEX40R01256006	4.0	0.1R	4.0	25	60	6	○	○
PEX40R01307506	4.0	0.1R	4.0	30	75	6	○	○
PEX40R01357506	4.0	0.1R	4.0	35	75	6	○	○
PEX40R02135006	4.0	0.2R	4.0	13	50	6	○	○
PEX40R02166006	4.0	0.2R	4.0	16	60	6	○	○
PEX40R02206006	4.0	0.2R	4.0	20	60	6	○	○
PEX40R02256006	4.0	0.2R	4.0	25	60	6	○	○
PEX40R02307506	4.0	0.2R	4.0	30	75	6	○	○
PEX40R02357506	4.0	0.2R	4.0	35	75	6	○	○
PEX40R03135006	4.0	0.3R	4.0	13	50	6	○	○
PEX40R03166006	4.0	0.3R	4.0	16	60	6	○	○
PEX40R03206006	4.0	0.3R	4.0	20	60	6	○	○
PEX40R03256006	4.0	0.3R	4.0	25	60	6	○	○
PEX40R03307506	4.0	0.3R	4.0	30	75	6	○	○
PEX40R03357506	4.0	0.3R	4.0	35	75	6	○	○
PEX40R05135006	4.0	0.5R	4.0	13	50	6	○	○
PEX40R05166006	4.0	0.5R	4.0	16	60	6	○	○
PEX40R05206006	4.0	0.5R	4.0	20	60	6	○	○
PEX40R05256006	4.0	0.5R	4.0	25	60	6	○	○
PEX40R05307506	4.0	0.5R	4.0	30	75	6	○	○
PEX40R05357506	4.0	0.5R	4.0	35	75	6	○	○
PEX40R10135006	4.0	1.0R	4.0	13	50	6	○	○
PEX40R10166006	4.0	1.0R	4.0	16	60	6	○	○
PEX40R10206006	4.0	1.0R	4.0	20	60	6	○	○
PEX40R10256006	4.0	1.0R	4.0	25	60	6	○	○
PEX40R10307506	4.0	1.0R	4.0	30	75	6	○	○
PEX40R10357506	4.0	1.0R	4.0	35	75	6	○	○
PEX50R01166006	5.0	0.1R	5.0	16	60	6	○	○
PEX50R01306006	5.0	0.1R	5.0	30	60	6	○	○
PEX50R02166006	5.0	0.2R	5.0	16	60	6	○	○
PEX50R02306006	5.0	0.2R	5.0	30	60	6	○	○
PEX50R03166006	5.0	0.3R	5.0	16	60	6	○	○
PEX50R03306006	5.0	0.3R	5.0	30	60	6	○	○
PEX50R05166006	5.0	0.5R	5.0	16	60	6	○	○
PEX50R05306006	5.0	0.5R	5.0	30	60	6	○	○
PEX50R10166006	5.0	1.0R	5.0	16	60	6	○	○
PEX50R10306006	5.0	1.0R	5.0	30	60	6	○	○

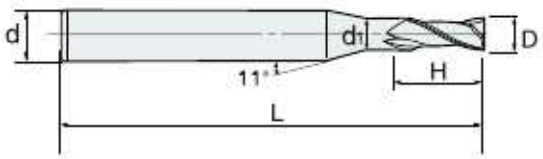
PEX Micro diameter 2 flutes square end mills

微小徑 2刃立銑刀





MG | 0.6μm | CO10% | HRC55 | AlTiNL | HRC58 | AlTiNS



Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX2F02000405003	0.2	0.4	50	3	○	○
PEX2F03000605003	0.3	0.6	50	3	○	○
PEX2F04000805003	0.4	0.8	50	3	○	○
PEX2F05001005003	0.5	1.0	50	3	○	○
PEX2F06001205003	0.6	1.2	50	3	○	○
PEX2F07001405003	0.7	1.4	50	3	○	○
PEX2F08001605003	0.8	1.6	50	3	○	○
PEX2F09001805003	0.9	1.8	50	3	○	○
PEX2F02000405004	0.2	0.4	50	4	○	○
PEX2F03000605004	0.3	0.6	50	4	○	○
PEX2F04000805004	0.4	0.8	50	4	○	○
PEX2F05001005004	0.5	1.0	50	4	○	○
PEX2F06001205004	0.6	1.2	50	4	○	○
PEX2F07001405004	0.7	1.4	50	4	○	○
PEX2F08001605004	0.8	1.6	50	4	○	○
PEX2F09001805004	0.9	1.8	50	4	○	○

■Special specifications can be customized. ■特殊規格可訂制。

★ WORK MATERAIL 被削材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

★ TOLERANCES 公差

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

PEX Micro diameter 2 flutes ball nose end mills

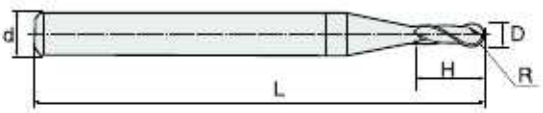
微小徑 2刃球型立銑刀





MG | 0.6μm | CO10% | HRC55 | AlTiNL | HRC58 | AlTiNS

B116



Product Code 產品編號	R Blade R徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX2FR01500605003	R0.15	0.6	50	3	○	○
PEX2FR02000805003	R0.20	0.8	50	3	○	○
PEX2FR02501005003	R0.25	1.0	50	3	○	○
PEX2FR03001205003	R0.30	1.2	50	3	○	○
PEX2FR03501405003	R0.35	1.4	50	3	○	○
PEX2FR04001605003	R0.40	1.6	50	3	○	○
PEX2FR04501805004	R0.45	1.8	50	4	○	○
PEX2FR01500605004	R0.15	0.6	50	4	○	○
PEX2FR02000805004	R0.20	0.8	50	4	○	○
PEX2FR02501005004	R0.25	1.0	50	4	○	○
PEX2FR03001205004	R0.30	1.2	50	4	○	○
PEX2FR03501405004	R0.35	1.4	50	4	○	○
PEX2FR04001605004	R0.40	1.6	50	4	○	○
PEX2FR04501805004	R0.45	1.8	50	4	○	○

★ WORK MATERAIL 被削材質

PEX

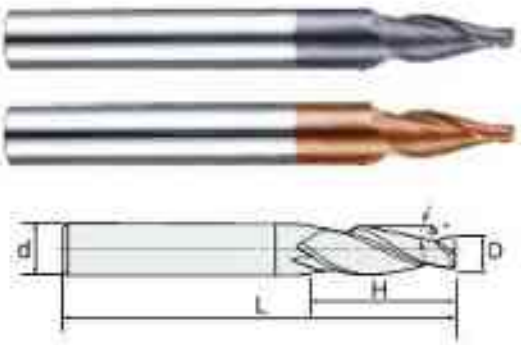
P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

★ TOLERANCES 公差

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

PEX Taper 2 flutes square end mills

斜度刀 2刃立銑刀



Product Code 產品編號	Tip diameter 先端徑	Blade length 刃長	Gradient 斜度	Rough side track 粗側徑	Full 全長	Shank 柄徑	Inventory 庫存 AL	Inventory 庫存 AS
PEX2F0100400510705004	1.0	4	0.5	1.07	50	4	O	O
PEX2F0100400511405004	1.0	4	1.0	1.14	50	4	O	O
PEX2F0100400512105004	1.0	4	1.5	1.21	50	4	O	O
PEX2F0100400512805004	1.0	4	2.0	1.28	50	4	O	O
PEX2F0100400513505004	1.0	4	2.5	1.35	50	4	O	O
PEX2F0100400514205004	1.0	4	3.0	1.42	50	4	O	O
PEX2F0100400517005004	1.0	4	5.0	1.70	50	4	O	O
PEX2F0100400701905004	1.0	4	7.0	1.98	50	4	O	O
PEX2F0100401002405004	1.0	4	10.0	2.41	50	4	O	O
PEX2F0150500051505004	1.5	5	0.5	1.58	50	4	O	O
PEX2F0150500101605004	1.5	5	1.0	1.67	50	4	O	O
PEX2F0150500151705004	1.5	5	1.5	1.76	50	4	O	O
PEX2F0150500201805004	1.5	5	2.0	1.85	50	4	O	O
PEX2F0150500251905004	1.5	5	2.5	1.93	50	4	O	O
PEX2F0150500302005004	1.5	5	3.0	2.02	50	4	O	O
PEX2F0150500502305004	1.5	5	5.0	2.37	50	4	O	O
PEX2F0150500702705004	1.5	5	7.0	2.73	50	4	O	O
PEX2F0150501003205004	1.5	5	10.0	3.26	50	4	O	O
PEX2F0200600052105004	2.0	6	0.5	2.10	50	4	O	O
PEX2F0200600102205004	2.0	6	1.0	2.21	50	4	O	O
PEX2F0200600152305004	2.0	6	1.5	2.31	50	4	O	O
PEX2F0200600202405004	2.0	6	2.0	2.41	50	4	O	O
PEX2F0200600252505004	2.0	6	2.5	2.52	50	4	O	O
PEX2F0200600302605004	2.0	6	3.0	2.62	50	4	O	O
PEX2F0200600503005004	2.0	6	5.0	3.05	50	4	O	O
PEX2F0200600703405004	2.0	6	7.0	3.47	50	4	O	O
PEX2F0200601004105004	2.0	6	10.0	4.12	50	4	O	O
PEX2F0250800052605004	2.5	8	0.5	2.64	50	4	O	O
PEX2F0250800102705004	2.5	8	1.0	2.78	50	4	O	O
PEX2F0250800152915004	2.5	8	1.5	2.91	50	4	O	O
PEX2F0250800203005004	2.5	8	2.0	3.05	50	4	O	O
PEX2F0250800253205004	2.5	8	2.5	3.20	50	4	O	O
PEX2F0250800303335004	2.5	8	3.0	3.33	50	4	O	O
PEX2F0250800503905004	2.5	8	5.0	3.90	50	4	O	O
PEX2F0250800704465004	2.5	8	7.0	4.46	50	6	O	O
PEX2F0250801005325004	2.5	8	10.0	5.32	50	6	O	O
PEX2F0301000531705004	3.0	10	0.5	3.17	50	4	O	O
PEX2F0301000103505004	3.0	10	1.0	3.35	50	4	O	O
PEX2F0301000155205004	3.0	10	1.5	3.52	50	4	O	O
PEX2F0301000203695004	3.0	10	2.0	3.69	50	4	O	O
PEX2F0301000253875004	3.0	10	2.5	3.87	50	4	O	O
PEX2F0301000304055004	3.0	10	3.0	4.05	50	6	O	O
PEX2F0301000504755004	3.0	10	5.0	4.75	50	6	O	O
PEX2F0301000706405004	3.0	10	7.0	5.64	60	6	O	O
PEX2F0301001006535004	3.0	10	10.0	6.53	60	8	O	O

★ WORK MATERAIL 被削材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
•	•	•	•	•

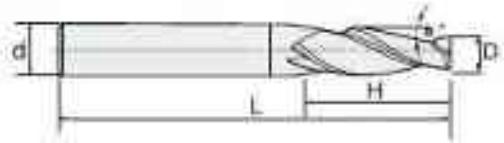
★ TOLERANCES 公差

Blade diameter 小徑直徑	Blade diameter tolerance 小徑直徑公差	Shank diameter tolerance 柄直直徑公差
Φ1.0~Φ3.0	0~-0.05	H6

PEX Taper 2 flutes square end mills

斜度刀2刃立銑刀









Product Code 產品編號	Tip diameter 尖端徑	Blade length 刃長	Gradient 斜度	Rough side track 粗銑徑	Full 全長	Shank 柄徑	Inventory 庫存 AL	Inventory 庫存 AS
PEX2F0400150054260S006	4.0	15	0.5	4.26	50	6	○	○
PEX2F0400150104520S006	4.0	15	1.0	4.52	50	6	○	○
PEX2F0400150154790S006	4.0	15	1.5	4.79	50	6	○	○
PEX2F0400150205040S006	4.0	15	2.0	5.04	50	6	○	○
PEX2F0400150255310S006	4.0	15	2.5	5.31	50	6	○	○
PEX2F0400150305570S006	4.0	15	3.0	5.57	50	6	○	○
PEX2F0400150506620S008	4.0	15	5.0	6.62	60	8	○	○
PEX2F0400150707680S008	4.0	15	7.0	7.68	60	8	○	○
PEX2F0400151009300751O	4.0	19	10.0	9.30	75	10	○	○
PEX2F0500200553405006	5.0	20	0.5	5.34	50	6	○	○
PEX2F0500200105700S006	5.0	20	1.0	5.70	50	6	○	○
PEX2F0500200156040S006	5.0	20	1.5	6.04	50	6	○	○
PEX2F0500200206390S008	5.0	20	2.0	6.39	60	8	○	○
PEX2F0500200256740S008	5.0	20	2.5	6.74	60	8	○	○
PEX2F0500200307100S008	5.0	20	3.0	7.10	60	8	○	○
PEX2F0500200508500751O	5.0	20	5.0	8.50	75	10	○	○
PEX2F0500200709910751O	5.0	20	7.0	9.91	75	10	○	○
PEX2F0500201001205075I2	5.0	20	10.0	12.05	75	12	○	○
PEX2F0600200056350S008	6.0	20	0.5	6.35	60	8	○	○
PEX2F0600200106700S008	6.0	20	1.0	6.70	60	8	○	○
PEX2F0600200157050S008	6.0	20	1.5	7.05	60	8	○	○
PEX2F0600200207400S008	6.0	20	2.0	7.40	60	8	○	○
PEX2F0600200257750S008	6.0	20	2.5	7.75	60	8	○	○
PEX2F0600200308100751O	6.0	20	3.0	8.10	75	8	○	○
PEX2F0600200509500751O	6.0	20	5.0	9.50	75	10	○	○
PEX2F0600200709109075I0	6.0	20	7.0	10.91	75	10	○	○
PEX2F0600201001305075I2	6.0	20	10.0	13.05	75	12	○	○
PEX2F0800250058440751O	8.0	25	0.5	8.44	75	10	○	○
PEX2F0800250108870751O	8.0	25	1.0	8.87	75	10	○	○
PEX2F0800250159310751O	8.0	25	1.5	9.31	75	10	○	○
PEX2F0800250209740751O	8.0	25	2.0	9.74	75	10	○	○
PEX2F0800250251018075I0	8.0	25	2.5	10.18	75	10	○	○
PEX2F0800250301062075I0	8.0	25	3.0	10.62	75	10	○	○
PEX2F0800250501237075I2	8.0	25	5.0	12.37	75	12	○	○
PEX2F0800250701414075I2	8.0	25	7.0	14.14	75	12	○	○
PEX2F0800251001882100I6	8.0	25	10.0	16.82	100	16	○	○
PEX2F1000350051061100I2	10.0	35	0.5	10.61	100	12	○	○
PEX2F1000350101122100I2	10.0	35	1.0	11.22	100	12	○	○
PEX2F1000350151183100I2	10.0	35	1.5	11.83	100	12	○	○
PEX2F1000350201244100I2	10.0	35	2.0	12.44	100	12	○	○
PEX2F1000350251306100I2	10.0	35	2.5	13.06	100	12	○	○
PEX2F1000350301367100I2	10.0	35	3.0	13.67	100	12	○	○
PEX2F1000350501612100I6	10.0	35	5.0	16.12	100	16	○	○
PEX2F1000350701880100I6	10.0	35	7.0	18.80	100	16	○	○
PEX2F1000351002234100Z0	10.0	35	10.0	22.34	100	20	○	○

★ WORK MATERAIL 被削材質

PEX

P20 SKSC	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
•	•	•	•	•

★ TOLERANCES 公差

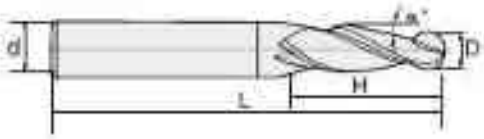
Blade diameter 小徑直徑	Blade diameter tolerance 小徑直徑公差	Shank diameter tolerance 柄部直徑公差
Φ0.4 - Φ10.0	0 ~ -0.05	h6

PEX Taper 2 flutes ball nose end mills

2刃斜度球型立铣刀







Product Code 产品编号	Tip diameter 先端径	Blade length 刃长	Gradient 斜度	Rough side track 粗铣径	Full 全长	Shank 柄径	Inventory 库存 AL	Inventory 库存 AS
PEX2F050010005117050004	0.5	10	0.5	1.17	50	4	O	O
PEX2F050010010133050004	0.5	10	1.0	1.33	50	4	O	O
PEX2F050010015150050004	0.5	10	1.5	1.50	50	4	O	O
PEX2F050010020166050004	0.5	10	2.0	1.66	50	4	O	O
PEX2F050010030200050004	0.5	10	3.0	2.00	50	4	O	O
PEX2F050010040233050004	0.5	10	4.0	2.33	50	4	O	O
PEX2F050010050267050004	0.5	10	5.0	2.67	50	4	O	O
PEX2F050010070334050004	0.5	10	7.0	3.34	50	4	O	O
PEX2F050010100437050006	0.5	10	10.0	4.37	50	6	O	O
PEX2F075010005166060004	0.75	10	0.5	1.66	50	4	O	O
PEX2F075010010182050004	0.75	10	1.0	1.82	50	4	O	O
PEX2F075010015199050004	0.75	10	1.5	1.99	50	4	O	O
PEX2F075010020215050004	0.75	10	2.0	2.15	50	4	O	O
PEX2F075010030247050004	0.75	10	3.0	2.47	50	4	O	O
PEX2F075010040280050004	0.75	10	4.0	2.80	50	4	O	O
PEX2F075010050312050004	0.75	10	5.0	3.12	50	4	O	O
PEX2F075010070378050004	0.75	10	7.0	3.78	50	4	O	O
PEX2F075010100479050006	0.75	10	10.0	4.79	50	6	O	O
PEX2F100013005221050004	1.0	13	0.5	2.21	50	4	O	O
PEX2F100013010242050004	1.0	13	1.0	2.42	50	4	O	O
PEX2F100013015263050004	1.0	13	1.5	2.63	50	4	O	O
PEX2F100013020284050004	1.0	13	2.0	2.84	50	4	O	O
PEX2F100013030326050004	1.0	13	3.0	3.26	50	4	O	O
PEX2F100013040368050004	1.0	13	4.0	3.68	50	4	O	O
PEX2F100013050411050006	1.0	13	5.0	4.11	50	6	O	O
PEX2F100013070496050006	1.0	13	7.0	4.96	50	6	O	O
PEX2F100013100626060008	1.0	13	10.0	6.26	50	8	O	O
PEX2F125015005274050004	1.25	15	0.5	2.74	50	4	O	O
PEX2F125015010298050004	1.25	15	1.0	2.98	50	4	O	O
PEX2F125015015322050004	1.25	15	1.5	3.22	50	4	O	O
PEX2F125015020346050004	1.25	15	2.0	3.46	50	4	O	O
PEX2F125015030394050004	1.25	15	3.0	3.94	50	4	O	O
PEX2F125015040443050006	1.25	15	4.0	4.43	50	6	O	O
PEX2F125015050492050006	1.25	15	5.0	4.92	50	6	O	O
PEX2F125015070590050006	1.25	15	7.0	5.90	50	6	O	O
PEX2F125015100739060008	1.25	15	10.0	7.39	60	8	O	O
PEX2F150020005332050004	1.5	20	0.5	3.32	50	4	O	O
PEX2F150020010358050004	1.5	20	1.0	3.65	50	4	O	O
PEX2F150020015397050004	1.5	20	1.5	3.97	50	4	O	O
PEX2F150020020429050006	1.5	20	2.0	4.29	50	6	O	O
PEX2F150020030494050006	1.5	20	3.0	4.94	50	6	O	O
PEX2F150020040560050006	1.5	20	4.0	5.60	50	6	O	O
PEX2F150020050625060008	1.5	20	5.0	6.25	60	8	O	O
PEX2F150020070757060008	1.5	20	7.0	7.57	60	8	O	O
PEX2F150020100970751O	1.5	20	10.0	9.67	75	10	O	O

★ WORK MATERAIL 被削材质

PEX

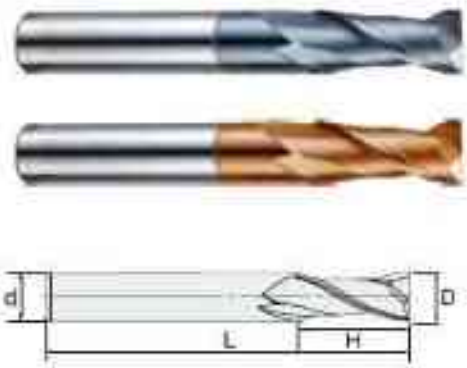
P20 S45C 碳素钢	SCM SK 合金钢	FC FCD 铸铁	CU 铜合金	304 不锈钢
•	•	•	•	•

★ TOLERANCES 公差

Blade diameter 小刃直径	Blade diameter tolerance 小刃直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ10.0	0~-0.05	H6

PEX 2 flutes standard inch size square end mills

2刃標準高硬立銑刀







B120

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX2F1/8*3050	1/8(3.175)	9.525	50	1/8(3.175)	O	O
PEX2F3/16*3050	3/16(4.76)	14.29	50	3/16(4.76)	O	O
PEX2F1/4*3060	1/4(6.35)	19.05	60	1/4(6.35)	O	O
PEX2F5/16*3060	5/16(7.938)	23.814	60	5/16(7.938)	O	O
PEX2F3/8*3075	3/8(9.525)	28.575	75	3/8(9.525)	O	O
PEX2F1/2*3075	1/2(12.7)	38.1	75	1/2(12.7)	O	O
PEX2F5/8*3100	5/8(15.875)	47.625	100	5/8(15.875)	O	O
PEX2F3/4*3110	3/4(19.05)	57.15	110	3/4(19.05)	O	O
PEX2F1*3130	1"(25.4)	76.2	130	1"(25.4)	O	O

※ WORK MATERAIL 被削材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

※ TOLERANCES 公差

Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H8
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

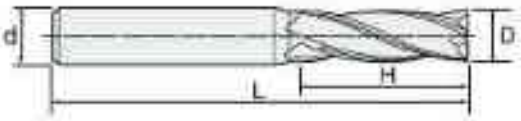
PEX 4 flutes standard inch size square end mills

4切標準高硬立銑刀









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX4F1/8*3050	1/8(3.175)	8.525	50	1/8(3.175)	○	○
PEX4F3/16*3050	3/16(4.76)	14.28	50	3/16(4.76)	○	○
PEX4F1/4*3060	1/4(6.35)	19.05	60	1/4(6.35)	○	○
PEX4F5/16*3060	5/16(7.938)	23.814	60	5/16(7.938)	○	○
PEX4F3/8*3075	3/8(9.525)	28.575	75	3/8(9.525)	○	○
PEX4F1/2*3075	1/2(12.7)	38.1	75	1/2(12.7)	○	○
PEX4F5/8*3100	5/8(15.875)	47.629	100	5/8(15.875)	○	○
PEX4F3/4*3110	3/4(19.05)	57.15	110	3/4(19.05)	○	○
PEX4F1*3130	1"(25.4)	76.2	130	1"(25.4)	○	○

※ WORK MATERAIL 被削材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

※ TOLERANCES 公差

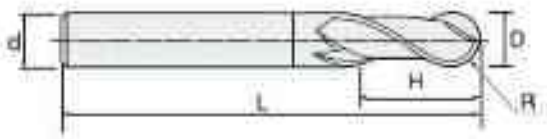
Blade diameter 刃部直徑	Blade diameter tolerance 刃部直徑公差	Shank diameter tolerance 柄部直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

PEX 2 flutes standard inch siza ball nose end mills

2刃標準英制球鼻立銑刀







Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
PEX2FR1/8*3050	1/8(3.175)	9.525	50	1/8(3.175)	○	○
PEX2FR3/16*3050	3/16(4.76)	14.28	50	3/16(4.76)	○	○
PEX2FR1/4*3060	1/4(6.35)	19.05	60	1/4(6.35)	○	○
PEX2FR5/16*3060	5/16(7.938)	23.814	60	5/16(7.938)	○	○
PEX2FR3/8*3075	3/8(9.525)	28.575	75	3/8(9.525)	○	○
PEX2FR1/2*3075	1/2(12.7)	38.1	75	1/2(12.7)	○	○
PEX2FR5/8*3100	5/8(15.875)	47.625	100	5/8(15.875)	○	○
PEX2FR3/4*3110	3/4(19.05)	57.15	110	3/4(19.05)	○	○
PEX2FR1*3130	1"(25.4)	76.2	130	1"(25.4)	○	○

※ WORK MATERAIL 被削材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

※ TOLERANCES 公差

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

PEX 4 flutes high strength flat end mills

四刃强力平底铣刀









B123

Product Code 产品编号	Blade diameter 切径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
						AL	AS
PEX4F0100150250S004	1.0	1.5	2.5	50	4	○	○
PEX4F0200300S0S004	2.0	3.0	5.0	50	4	○	○
PEX4F0300450750S006	3.0	4.5	7.5	50	6	○	○
PEX4F0400601000S006	4.0	6.0	10.0	50	6	○	○
PEX4F0500751250S006	5.0	7.5	12.5	50	6	○	○
PEX4F0600901500S006	6.0	9.0	15.0	50	6	○	○
PEX4F0801202000S008	8.0	12.0	20.0	60	8	○	○
PEX4F1001502500S010	10.0	15.0	25.0	75	10	○	○
PEX4F1201803000S012	12.0	18.0	30.0	75	12	○	○
PEX4F1602404001C0016	16.0	24.0	40.0	100	16	○	○
PEX4F2003005001C020	20.0	30.0	50.0	100	20	○	○

Product Code 产品编号	Blade diameter 切径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
						AL	AS
PEX4F1/8-B	1/8	5/32	1/2	2-1/2	1/4	○	○
PEX4F3/16-B	3/16	7/32	3/4	2-1/2	1/4	○	○
PEX4F1/4-B	1/4	9/32	3/4	2-1/2	1/4	○	○
PEX4F5/16-B	5/16	13/32	1	2-1/2	5/16	○	○
PEX4F3/8-B	3/8	15/32	1	2-1/2	3/8	○	○
PEX4F1/2-B	1/2	5/8	1-1/4	3	1/2	○	○
PEX4F5/8-B	5/8	3/4	1-1/2	3-1/2	5/8	○	○
PEX4F3/4-B	3/4	15/16	1-3/4	4	3/4	○	○

★ WORK MATERAIL 被加材质

PEX

P20 S45C	SCM SK	FC FCD	CU	304
模具钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃径范围	Blade diameter tolerance 刃径公差
Φ≤12.0	0~-0.02
Φ>12.0	0~-0.03

Working material 被加材质	Hardened steel 淬火钢	Hardened steel 淬火钢	Hardened steel 淬火钢
Material code 材质编号	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等级	HRC 60	HRC 55	HRC 50
Vc	160M/min	150M/min	80M/min

Diameter 直径	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
6MM	8,500	2,450	7,950	2,000	5,300	1,310
8MM	6,350	2,440	5,950	1,995	4,000	1,315
10MM	5,100	2,450	4,700	1,970	3,200	1,315
12MM	4,250	2,450	3,950	1,995	2,650	1,310
14MM	3,600	2,420	3,400	1,995	2,250	1,300
16MM	3,150	2,420	3,000	2,000	1,850	1,295
18MM	2,800	2,450	2,650	2,000	1,750	1,300
20MM	2,600	2,400	2,350	1,970	1,550	1,190
25MM	2,000	2,400	1,900	1,990	1,250	1,190



Milling amount (mm)



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

PEX 2 flutes high strength ball nose end mills

二刃強力球頭銑刀









B124

Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存 AL	Inventory 庫存 AS
PEX2FR0050100100Z05004	0.50R	1.0	1.0	2	50	4	○	○
PEX2FR0075150150305004	0.75R	1.5	1.5	3	50	4	○	○
PEX2FR0100200200405006	1.00R	2.0	2.0	4	50	6	○	○
PEX2FR0150300300605006	1.50R	3.0	3.0	6	50	6	○	○
PEX2FR0200400400805006	2.00R	4.0	4.0	8	50	6	○	○
PEX2FR0250500501005006	2.50R	5.0	5.0	10	50	6	○	○
PEX2FR0300600601205006	3.00R	6.0	6.0	12	50	6	○	○
PEX2FR0400800801606008	4.00R	8.0	8.0	16	60	8	○	○
PEX2FR0500100100207510	5.00R	10.0	10.0	20	75	10	○	○
PEX2FR0600120120407512	6.00R	12.0	12.0	24	75	12	○	○
PEX2FR0800160160321001 6	8.00R	16.0	16.0	32	100	16	○	○

★ WORK MATERAIL 被削材質

PEX

P20 S45C	SCM SK	FC FCD	CU	304
模具鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃徑規格	Blade diameter tolerance 刃徑直徑公差
Φ ≤ 12.0	R ± 0.01
Φ > 12.0	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 40	HRC 45	HRC 50
Vc	180M/min	175M/min	95M/min

Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
0.5R	30,000	960	30,000	950	25,500	930
1.0R	31,500	1,900	28,500	1,880	16,500	800
1.5R	21,000	2,040	19,000	1,880	10,500	625
2.0R	15,500	2,050	14,000	1,850	7,850	630
2.5R	12,500	2,040	11,000	1,815	6,350	630
3.0R	10,500	2,040	9,500	1,880	5,300	630
4.0R	7,950	1,550	7,150	1,400	3,950	470
5.0R	6,350	1,250	5,700	1,100	3,150	375
6.0R	5,300	1,050	4,750	950	2,650	315
8.0R	3,950	790	3,550	710	1,950	330

Milling amount (mm)





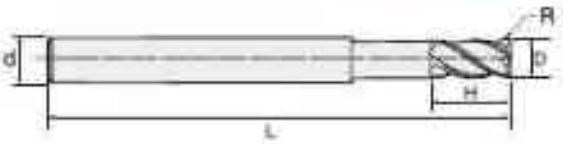
The feed & RPM may be changed depending on the M/C Conditions, Lubricating & Cooling systems.

PEX 4 flutes high strength corner radius end mills

四刃强力高鼻铣刀







Product Code 产品编号	Radius 半径	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
							AL	AS
PEX4F030R01003005006	0.1R	3	5	7.5	50	6	○	○
PEX4F030R05003005006	0.5R	3	5	7.5	50	6	○	○
PEX4F040R02004005006	0.2R	4	4	10.0	50	6	○	○
PEX4F040R05004005006	0.5R	4	4	10.0	50	6	○	○
PEX4F050R02005005006	0.2R	5	5	12.5	50	6	○	○
PEX4F050R05005005006	0.5R	5	5	12.5	50	6	○	○
PEX4F060R02006005006	0.2R	6	6	15.0	50	6	○	○
PEX4F060R05006005006	0.5R	6	6	15.0	50	6	○	○
PEX4F060R10006005006	1.0R	6	6	15.0	50	6	○	○
PEX4F080R03008006008	0.3R	8	8	20.0	60	8	○	○
PEX4F080R05008006008	0.5R	8	8	20.0	60	8	○	○
PEX4F080R10008006008	1.0R	8	8	20.0	60	8	○	○
PEX4F080R15008006008	1.5R	8	8	20.0	60	8	○	○
PEX4F100R03010007510	0.3R	10	10	25.0	75	10	○	○
PEX4F100R05010007510	0.5R	10	10	25.0	75	10	○	○
PEX4F100R10010007510	1.0R	10	10	25.0	75	10	○	○
PEX4F100R15010007510	1.5R	10	10	25.0	75	10	○	○
PEX4F100R20010007510	2.0R	10	10	25.0	75	10	○	○
PEX4F120R03012007512	0.3R	12	12	30.0	75	12	○	○
PEX4F120R05012007512	0.5R	12	12	30.0	75	12	○	○
PEX4F120R10012007512	1.0R	12	12	30.0	75	12	○	○
PEX4F120R15012007512	1.5R	12	12	30.0	75	12	○	○
PEX4F120R20012007512	2.0R	12	12	30.0	75	12	○	○

☆ WORK MATERAIL 被加材质

PEX

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

☆ TOLERANCES 公差

Blade diameter 刃径基准	Blade diameter tolerance 刃径基准公差
D ≤ 12.0	0~-0.02
D > 12.0	0~-0.03

R	R diameter tolerance
R	R ± 0.015

Working material 被切材质	Hardened steel 淬火钢		Hardened steel 淬火钢		Hardened steel 淬火钢	
Material code 材质编号	SKT,SKD		SKT,SKD		SKT,SKD	
Hardness grade 硬度等级	HRC 35~45		HRC 45~55		HRC 55~60	
Vc	110M/min		85M/min		79M/min	
Diameter 直径	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
3MM	11,000	1,150	10,000	930	8,400	530
4MM	8,800	1,070	7,600	780	6,300	460
5MM	7,000	990	6,000	730	5,000	420
6MM	5,900	910	5,000	660	4,200	400
8MM	4,400	840	3,800	610	3,200	400
10MM	3,500	830	3,000	610	2,550	400
12MM	2,900	830	2,500	610	2,100	400

Milling amount (mm)





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

UEX

ECONOMICAL SOLUTIONS

AL- General Type Hardened Coated End Mill (Black) HRC60

AL-通用加硬型塗層銑刀（黑色） HRC60度

AS- General Type Hardened Coated End Mill (Bronze) HRC60

AS-通用型塗層銑刀（古銅色塗層） HRC60度

Micro Diameter End Mill (Minimum Diameter 0.2mm)





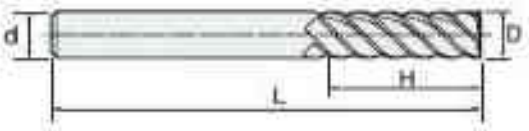
TUNGSTEN CARBIDE

www.dohrecnc.com

UEX 6 flutes square end mills







Product Code	Blade diameter	Blade length	Full	Shank	Inventory	
					AL	AS
UEX6F04001105006	4.0	11	50	6	O	O
UEX6F05001305006	5.0	13	50	6	O	O
UEX6F06001505006	6.0	15	50	6	O	O
UEX6F08002006008	8.0	20	60	8	O	O
UEX6F10002507510	10.0	25	75	10	O	O
UEX6F12003007512	12.0	30	75	12	O	O
UEX6F16004010016	16.0	40	100	16	O	O
UEX6F20004010020	20.0	40	100	20	O	O
UEX6F25004510025	25.0	45	100	25	O	O

☆ WORK MATERAIL

UEX

P20 S45C	SCM SK	FC FCD	CU	304
•	•	•	•	•

☆ TOLERANCES

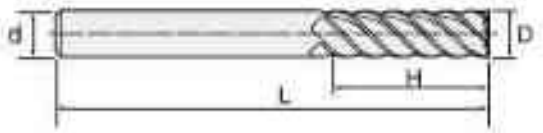
Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ4.0~Φ6.4	-0.01~-0.03	H6
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

Order code: UEX 6F 040 011 050 06 AS
D H L d HRC60
UEX 6F 040 011 050 06 AL
D H L d HRC60

UEX Long flute 6 flutes square end mills







Product Code	Blade diameter	Blade length	Full	Shank	Inventory	
					AL	AS
UEX6F04001807506	4.0	18	75	6	O	O
UEX6F05002007506	5.0	20	75	6	O	O
UEX6F06002507506	6.0	25	75	6	O	O
UEX6F08003007506	8.0	30	75	8	O	O
UEX6F04002010006	4.0	20	100	6	O	O
UEX6F05002510006	5.0	25	100	6	O	O
UEX6F06003010006	6.0	30	100	6	O	O
UEX6F08003510006	8.0	35	100	8	O	O
UEX6F10004010010	10.0	40	100	10	O	O
UEX6F12004510012	12.0	45	100	12	O	O
UEX6F08005015008	8.0	50	150	8	O	O
UEX6F10005015010	10.0	50	150	10	O	O
UEX6F12005015012	12.0	50	150	12	O	O
UEX6F16007015016	16.0	70	150	16	O	O
UEX6F20007015020	20.0	70	150	20	O	O
UEX6F25008015025	25.0	80	150	25	O	O

★ WORK MATERAIL

UEX

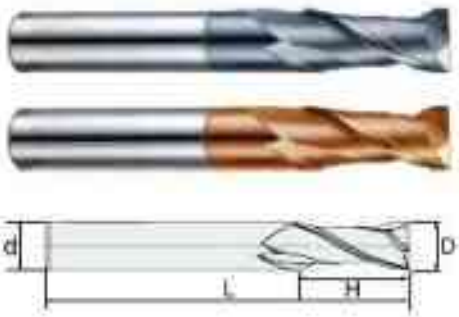
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
•	•	•	•	•

★ TOLERANCES 公差

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

UEX 2 flutes square end mills

2刃立銑刀







Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
UEX2F01003005004	1.0	3	50	4	○	○
UEX2F01504005004	1.5	4	50	4	○	○
UEX2F02006005004	2.0	6	50	4	○	○
UEX2F02507005004	2.5	7	50	4	○	○
UEX2F03008005004	3.0	8	50	4	○	○
UEX2F03510005004	3.5	10	50	4	○	○
UEX2F04011005004	4.0	11	50	4	○	○
UEX2F01003005006	1.0	3	50	6	○	○
UEX2F01504005006	1.5	4	50	6	○	○
UEX2F02006005006	2.0	6	50	6	○	○
UEX2F02507005006	2.5	7	50	6	○	○
UEX2F03008005006	3.0	8	50	6	○	○
UEX2F03510005006	3.5	10	50	6	○	○
UEX2F04011005006	4.0	11	50	6	○	○
UEX2F04513005006	4.5	13	50	6	○	○
UEX2F05013005006	5.0	13	50	6	○	○
UEX2F05513005006	5.5	13	50	6	○	○
UEX2F06015005006	6.0	15	50	6	○	○
UEX2F06617006008	6.5	17	60	8	○	○
UEX2F07017006008	7.0	17	60	8	○	○
UEX2F07517006008	7.5	17	60	8	○	○
UEX2F08020006008	8.0	20	60	8	○	○
UEX2F08523007510	8.5	23	75	10	○	○
UEX2F09023007510	9.0	23	75	10	○	○
UEX2F09525007510	9.5	25	75	10	○	○
UEX2F10025007510	10.0	25	75	10	○	○
UEX2F10525007512	10.5	25	75	12	○	○
UEX2F11028007512	11.0	28	75	12	○	○
UEX2F11528007512	11.5	28	75	12	○	○
UEX2F12030007512	12.0	30	75	12	○	○
UEX2F13040010014	13.0	40	100	14	○	○
UEX2F14040010014	14.0	40	100	14	○	○
UEX2F15040010016	15.0	40	100	16	○	○
UEX2F16040010016	16.0	40	100	16	○	○
UEX2F17040010018	17.0	40	100	18	○	○
UEX2F18040010018	18.0	40	100	18	○	○
UEX2F19040010020	19.0	40	100	20	○	○
UEX2F20040010020	20.0	40	100	20	○	○
UEX2F22040010025	22.0	40	100	25	○	○
UEX2F25040010025	25.0	40	100	25	○	○

★ WORK MATERAIL 被削材質

UEX

P20 S45C 硬度鋼	SCM SK 合金鋼	FC FCD 鑄鐵	CU 銅合金	304 不銹鋼
●	●	●	●	●

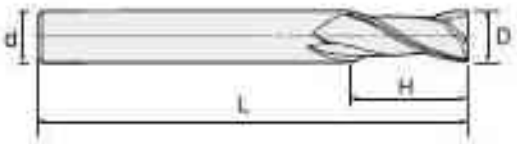
★ TOLERANCES 公差

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

UEX Long shank 2 flutes square end mills











B130

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
UEX2F01003007504	1.0	3	75	4	○	○
UEX2F01504507504	1.5	4.5	75	4	○	○
UEX2F02006007504	2.0	6	75	4	○	○
UEX2F02507007504	2.5	7	75	4	○	○
UEX2F03008007504	3.0	8	75	4	○	○
UEX2F03510007504	3.5	10	75	4	○	○
UEX2F04011007504	4.0	11	75	4	○	○
UEX2F04513007506	4.5	13	75	6	○	○
UEX2F05013007506	5.0	13	75	6	○	○
UEX2F05613007506	5.5	13	75	6	○	○
UEX2F06015007506	6.0	15	75	6	○	○
UEX2F06517007508	6.5	17	75	8	○	○
UEX2F07017007508	7.0	17	75	8	○	○
UEX2F07517007508	7.5	17	75	8	○	○
UEX2F08020007508	8.0	20	75	8	○	○
UEX2F03008010006	3.0	8	100	6	○	○
UEX2F04011010006	4.0	11	100	6	○	○
UEX2F05013010006	5.0	13	100	6	○	○
UEX2F06015010006	6.0	15	100	6	○	○
UEX2F07017010008	7.0	17	100	8	○	○
UEX2F08020010008	8.0	20	100	8	○	○
UEX2F09023010010	9.0	23	100	10	○	○
UEX2F10025010010	10.0	25	100	10	○	○
UEX2F11028010012	11.0	28	100	12	○	○
UEX2F12030010012	12.0	30	100	12	○	○
UEX2F08020015008	8.0	20	150	8	○	○
UEX2F10025015010	10.0	25	150	10	○	○
UEX2F12030015012	12.0	30	150	12	○	○
UEX2F16050015016	16.0	50	150	16	○	○
UEX2F18050015018	18.0	50	150	18	○	○
UEX2F20050015020	20.0	50	150	20	○	○
UEX2F16050020016	16.0	50	200	16	○	○
UEX2F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL 被削材质

UEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铁	铜合金	不锈钢
•	•	•	•	•

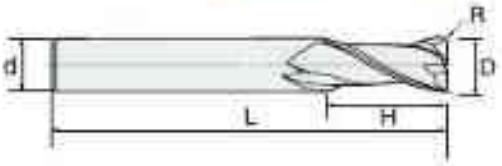
★ TOLERANCES 公差

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

UEX 2 flutes corner radius end mills









Product Code 产品编号	Blade diameter 刃径	R	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
						AL	AS
UEX2F010R0203005004	1.0	0.2	3	50	4	○	○
UEX2F015R0204005004	1.5	0.2	4	50	4	○	○
UEX2F015R0504005004	1.5	0.5	4	50	4	○	○
UEX2F020R0206005004	2.0	0.2	6	50	4	○	○
UEX2F020R0506005004	2.0	0.5	6	50	4	○	○
UEX2F025R0208005004	2.5	0.2	8	50	4	○	○
UEX2F025R0508005004	2.5	0.5	8	50	4	○	○
UEX2F030R0208005004	3.0	0.2	8	50	4	○	○
UEX2F030R0508005004	3.0	0.5	8	50	4	○	○
UEX2F030R1008005004	3.0	1.0	8	50	4	○	○
UEX2F040R0211005004	4.0	0.2	11	50	4	○	○
UEX2F040R0511005004	4.0	0.5	11	50	4	○	○
UEX2F040R1011005004	4.0	1.0	11	50	4	○	○
UEX2F050R0513005006	5.0	0.5	13	50	6	○	○
UEX2F050R1013005006	5.0	1.0	13	50	6	○	○
UEX2F060R0215005006	6.0	0.2	15	50	6	○	○
UEX2F060R0515005006	6.0	0.5	15	50	6	○	○
UEX2F060R1015005006	6.0	1.0	15	50	6	○	○
UEX2F060R1515005006	6.0	1.5	15	50	6	○	○
UEX2F060R2015005006	6.0	2.0	15	50	6	○	○
UEX2F080R0520006008	8.0	0.5	20	60	8	○	○
UEX2F080R1020006008	8.0	1.0	20	60	8	○	○
UEX2F080R1520006008	8.0	1.5	20	60	8	○	○
UEX2F080R2020006008	8.0	2.0	20	60	8	○	○
UEX2F100R0525007510	10.0	0.5	25	75	10	○	○
UEX2F100R1025007510	10.0	1.0	25	75	10	○	○
UEX2F100R1525007510	10.0	1.5	25	75	10	○	○
UEX2F100R2025007510	10.0	2.0	25	75	10	○	○
UEX2F100R2525007510	10.0	2.5	25	75	10	○	○
UEX2F100R3025007510	10.0	3.0	25	75	10	○	○
UEX2F120R0530007512	12.0	0.5	30	75	12	○	○
UEX2F120R1030007512	12.0	1.0	30	75	12	○	○
UEX2F120R1530007512	12.0	1.5	30	75	12	○	○
UEX2F120R2030007512	12.0	2.0	30	75	12	○	○
UEX2F120R2530007512	12.0	2.5	30	75	12	○	○
UEX2F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL 被削材质

UEX

P20 S45C	SCM SK	FC FCD	CU	304
模具钢	合金钢	铸铁	铜合金	不锈钢
•	•	•	•	•

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

UEX Long shank 2 flutes corner radius end mills





Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
UEX2F010R0203007504	1.0	0.2	3	75	4	O	O
UEX2F015R0204007504	1.5	0.2	4	75	4	O	O
UEX2F015R0504007504	1.5	0.5	4	75	4	O	O
UEX2F020R0206007504	2.0	0.2	6	75	4	O	O
UEX2F020R0506007504	2.0	0.5	6	75	4	O	O
UEX2F025R0208007504	2.5	0.2	8	75	4	O	O
UEX2F025R0508007504	2.5	0.5	8	75	4	O	O
UEX2F030R0208007504	3.0	0.2	8	75	4	O	O
UEX2F030R0508007504	3.0	0.5	8	75	4	O	O
UEX2F030R1008007504	3.0	1.0	8	75	4	O	O
UEX2F040R0211007504	4.0	0.2	11	75	4	O	O
UEX2F040R0511007504	4.0	0.5	11	75	4	O	O
UEX2F040R1011007504	4.0	1.0	11	75	4	O	O
UEX2F050R0513007506	5.0	0.5	13	75	6	O	O
UEX2F050R1013007506	5.0	1.0	13	75	6	O	O
UEX2F060R0215007506	6.0	0.2	15	75	6	O	O
UEX2F060R0515007506	6.0	0.5	15	75	6	O	O
UEX2F060R1015007506	6.0	1.0	15	75	6	O	O
UEX2F060R1515007506	6.0	1.5	15	75	6	O	O
UEX2F060R2015007506	6.0	2.0	15	75	6	O	O
UEX2F0A0R0520007508	8.0	0.5	20	75	8	O	O
UEX2F0A0R1020007508	8.0	1.0	20	75	8	O	O
UEX2F0A0R1520007508	8.0	1.5	20	75	8	O	O
UEX2F0A0R2020007508	8.0	2.0	20	75	8	O	O
UEX2F040R0211010006	4.0	0.2	11	100	6	O	O
UEX2F040R0511010006	4.0	0.5	11	100	6	O	O
UEX2F040R1011010006	4.0	1.0	11	100	6	O	O
UEX2F050R0513010006	5.0	0.5	13	100	6	O	O
UEX2F050R1013010006	5.0	1.0	13	100	6	O	O
UEX2F060R0215010006	6.0	0.2	15	100	6	O	O
UEX2F060R0515010006	6.0	0.5	15	100	6	O	O
UEX2F060R1015010006	6.0	1.0	15	100	6	O	O
UEX2F060R1515010006	6.0	1.5	15	100	6	O	O
UEX2F060R2015010006	6.0	2.0	15	100	6	O	O
UEX2F0A0R0520010008	8.0	0.5	20	100	8	O	O
UEX2F0A0R1020010008	8.0	1.0	20	100	8	O	O
UEX2F0A0R1520010008	8.0	1.5	20	100	8	O	O
UEX2F0A0R2020010008	8.0	2.0	20	100	8	O	O
UEX2F100R0525010010	10.0	0.5	25	100	10	O	O
UEX2F100R1025010010	10.0	1.0	25	100	10	O	O
UEX2F100R1525010010	10.0	1.5	25	100	10	O	O
UEX2F100R2025010010	10.0	2.0	25	100	10	O	O
UEX2F100R2525010010	10.0	2.5	25	100	10	O	O
UEX2F100R3025010010	10.0	3.0	25	100	10	O	O
UEX2F120R0530010012	12.0	0.5	30	100	12	O	O
UEX2F120R1030010012	12.0	1.0	30	100	12	O	O
UEX2F120R1530010012	12.0	1.5	30	100	12	O	O
UEX2F120R2030010012	12.0	2.0	30	100	12	O	O
UEX2F120R2530010012	12.0	2.5	30	100	12	O	O
UEX2F120R3030010012	12.0	3.0	30	100	12	O	O

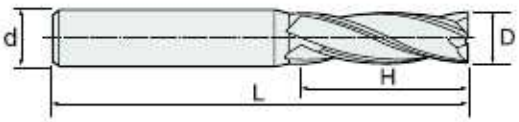
■Special specifications can be customized ■特殊规格可定制。

UEX 4 flutes square end mills

4刃立铣刀







UMG | 0.5 μm | CO10% | HRC-60 | AlTiNL | AlTiNS

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
UEX4F01003005004	1.0	3	50	4	○	○
UEX4F01504505004	1.5	4.5	50	4	○	○
UEX4F02006005004	2.0	6	50	4	○	○
UEX4F02507005004	2.5	7	50	4	○	○
UEX4F03008005004	3.0	8	50	4	○	○
UEX4F03510005004	3.5	10	50	4	○	○
UEX4F04011005004	4.0	11	50	4	○	○
UEX4F04513005006	4.5	13	50	6	○	○
UEX4F05013005006	5.0	13	50	6	○	○
UEX4F05513005006	5.5	13	50	6	○	○
UEX4F06015005006	6.0	15	50	6	○	○
UEX4F06517006008	6.5	17	60	8	○	○
UEX4F07017006008	7.0	17	60	8	○	○
UEX4F07517006008	7.5	17	60	8	○	○
UEX4F08020006008	8.0	20	60	8	○	○
UEX4F08523007510	8.5	23	75	10	○	○
UEX4F09023007510	9.0	23	75	10	○	○
UEX4F09525007510	9.5	25	75	10	○	○
UEX4F10025007510	10.0	25	75	10	○	○
UEX4F10525007512	10.5	25	75	12	○	○
UEX4F11028007512	11.0	28	75	12	○	○
UEX4F11528007512	11.5	28	75	12	○	○
UEX4F12030007512	12.0	30	75	14	○	○
UEX4F13045010014	13.0	45	100	14	○	○
UEX4F14045010014	14.0	45	100	14	○	○
UEX4F15045010016	15.0	45	100	16	○	○
UEX4F16045010016	16.0	45	100	16	○	○
UEX4F17045010018	17.0	45	100	18	○	○
UEX4F18045010018	18.0	45	100	18	○	○
UEX4F19045010020	19.0	45	100	20	○	○
UEX4F20045010020	20.0	45	100	20	○	○
UEX4F22045010025	22.0	45	100	25	○	○
UEX4F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材质

UEX

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

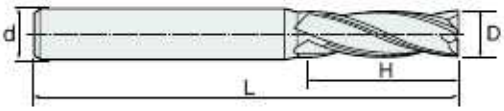
★ TOLERANCES 公差

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

UEX Long shank 4 flutes square end mills

長柄標準刃 4刃立銑刀









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
UEX4F01003007504	1.0	3	75	4	○	○
UEX4F01504507504	1.5	4.5	75	4	○	○
UEX4F02006007504	2.0	6	75	4	○	○
UEX4F02507007504	2.5	7	75	4	○	○
UEX4F03008007504	3.0	8	75	4	○	○
UEX4F03510007504	3.5	10	75	4	○	○
UEX4F04011007504	4.0	11	75	4	○	○
UEX4F04513007506	4.5	13	75	6	○	○
UEX4F05013007506	5.0	13	75	6	○	○
UEX4F05513007506	5.5	13	75	6	○	○
UEX4F06015007506	6.0	15	75	6	○	○
UEX4F06517007508	6.5	17	75	8	○	○
UEX4F07017007508	7.0	17	75	8	○	○
UEX4F07517007508	7.5	17	75	8	○	○
UEX4F08020007508	8.0	20	75	8	○	○
UEX4F03008010006	3.0	8	100	6	○	○
UEX4F04011010006	4.0	11	100	6	○	○
UEX4F05013010006	5.0	13	100	6	○	○
UEX4F06015010006	6.0	15	100	6	○	○
UEX4F07017010008	7.0	17	100	8	○	○
UEX4F08020010008	8.0	20	100	8	○	○
UEX4F09023010010	9.0	23	100	10	○	○
UEX4F10025010010	10.0	25	100	10	○	○
UEX4F11028010012	11.0	28	100	12	○	○
UEX4F12030010012	12.0	30	100	12	○	○
UEX4F08020015008	8.0	20	150	8	○	○
UEX4F10025015010	10.0	25	150	10	○	○
UEX4F12030015012	12.0	30	150	12	○	○
UEX4F16050015016	16.0	50	150	16	○	○
UEX4F18050015018	18.0	50	150	18	○	○
UEX4F20050015020	20.0	50	150	20	○	○
UEX4F16050020016	16.0	50	200	16	○	○
UEX4F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL 被削材质

UEX

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

★ TOLERANCES 公差

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

UEX 4 flutes corner radius end mills





Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
UEX4F010R0203005004	1.0	0.2	3	50	4	○	○
UEX4F015R0204005004	1.5	0.2	4	50	4	○	○
UEX4F015R0304005004	1.5	0.5	4	50	4	○	○
UEX4F020R0206005004	2.0	0.2	6	50	4	○	○
UEX4F020R0506005004	2.0	0.5	6	50	4	○	○
UEX4F025R0208005004	2.5	0.2	8	50	4	○	○
UEX4F025R0508005004	2.5	0.5	8	50	4	○	○
UEX4F030R0208005004	3.0	0.2	8	50	4	○	○
UEX4F030R0508005004	3.0	0.5	8	50	4	○	○
UEX4F030R1008005004	3.0	1.0	8	50	4	○	○
UEX4F040R0211005004	4.0	0.2	11	50	4	○	○
UEX4F040R0511005004	4.0	0.5	11	50	4	○	○
UEX4F040R1011005004	4.0	1.0	11	50	4	○	○
UEX4F050R0513005006	5.0	0.5	13	50	6	○	○
UEX4F050R1013005006	5.0	1.0	13	50	6	○	○
UEX4F060R0215005006	6.0	0.2	15	50	6	○	○
UEX4F060R0515005006	6.0	0.5	15	50	6	○	○
UEX4F060R1015005006	6.0	1.0	15	50	6	○	○
UEX4F060R1515005006	6.0	1.5	15	50	6	○	○
UEX4F060R2015005006	6.0	2.0	15	50	6	○	○
UEX4F080R0520006008	8.0	0.5	20	60	8	○	○
UEX4F080R1020006008	8.0	1.0	20	60	8	○	○
UEX4F080R1520006008	8.0	1.5	20	60	8	○	○
UEX4F080R2020006008	8.0	2.0	20	60	8	○	○
UEX4F100R0525007510	10.0	0.5	25	75	10	○	○
UEX4F100R1025007510	10.0	1.0	25	75	10	○	○
UEX4F100R1525007510	10.0	1.5	25	75	10	○	○
UEX4F100R2025007510	10.0	2.0	25	75	10	○	○
UEX4F100R2525007510	10.0	2.5	25	75	10	○	○
UEX4F100R3025007510	10.0	3.0	25	75	10	○	○
UEX4F120R0530007512	12.0	0.5	30	75	12	○	○
UEX4F120R1030007512	12.0	1.0	30	75	12	○	○
UEX4F120R1530007512	12.0	1.5	30	75	12	○	○
UEX4F120R2030007512	12.0	2.0	30	75	12	○	○
UEX4F120R2530007512	12.0	2.5	30	75	12	○	○
UEX4F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL

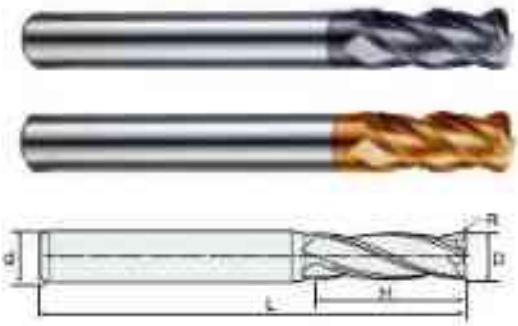
UEX

P20 S45C	SCM SK	FC FCD	CU	304
●	●	●	●	●

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

UEX Long shank 4 flutes corner radius end mills





Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
UEX4F010R0203007504	1.0	0.2	3	75	4	○	○
UEX4F015R0204007504	1.5	0.2	4	75	4	○	○
UEX4F015R0504007504	1.5	0.5	4	75	4	○	○
UEX4F020R0206007504	2.0	0.2	6	75	4	○	○
UEX4F020R0506007504	2.0	0.5	6	75	4	○	○
UEX4F025R0208007504	2.5	0.2	8	75	4	○	○
UEX4F025R0508007504	2.5	0.5	8	75	4	○	○
UEX4F030R0208007504	3.0	0.2	8	75	4	○	○
UEX4F030R0508007504	3.0	0.5	8	75	4	○	○
UEX4F030R1008007504	3.0	1.0	8	75	4	○	○
UEX4F040R0211007504	4.0	0.2	11	75	4	○	○
UEX4F040R0511007504	4.0	0.5	11	75	4	○	○
UEX4F040R1011007504	4.0	1.0	11	75	4	○	○
UEX4F050R0513007506	5.0	0.5	13	75	6	○	○
UEX4F050R1013007506	5.0	1.0	13	75	6	○	○
UEX4F060R0215007506	6.0	0.2	15	75	6	○	○
UEX4F060R0515007506	6.0	0.5	15	75	6	○	○
UEX4F060R1015007506	6.0	1.0	15	75	6	○	○
UEX4F060R1515007506	6.0	1.5	15	75	6	○	○
UEX4F060R2015007506	6.0	2.0	15	75	6	○	○
UEX4F080R0620007508	8.0	0.5	20	75	8	○	○
UEX4F080R1020007508	8.0	1.0	20	75	8	○	○
UEX4F080R1520007508	8.0	1.5	20	75	8	○	○
UEX4F080R2020007508	8.0	2.0	20	75	8	○	○
UEX4F040R0211010006	4.0	0.2	11	100	6	○	○
UEX4F040R0511010006	4.0	0.5	11	100	6	○	○
UEX4F040R1011010006	4.0	1.0	11	100	6	○	○
UEX4F050R0513010006	5.0	0.5	13	100	6	○	○
UEX4F050R1013010006	5.0	1.0	13	100	6	○	○
UEX4F060R0215010006	6.0	0.2	15	100	6	○	○
UEX4F060R0515010006	6.0	0.5	15	100	6	○	○
UEX4F060R1015010006	6.0	1.0	15	100	6	○	○
UEX4F060R1515010006	6.0	1.5	15	100	6	○	○
UEX4F060R2015010006	6.0	2.0	15	100	6	○	○
UEX4F080R0520010008	8.0	0.5	20	100	8	○	○
UEX4F080R1020010008	8.0	1.0	20	100	8	○	○
UEX4F080R1520010008	8.0	1.5	20	100	8	○	○
UEX4F080R2020010008	8.0	2.0	20	100	8	○	○
UEX4F100R0525010010	10.0	0.5	25	100	10	○	○
UEX4F100R1025010010	10.0	1.0	25	100	10	○	○
UEX4F100R1525010010	10.0	1.5	25	100	10	○	○
UEX4F100R2025010010	10.0	2.0	25	100	10	○	○
UEX4F100R2525010010	10.0	2.5	25	100	10	○	○
UEX4F100R3025010010	10.0	3.0	25	100	10	○	○
UEX4F120R0530010012	12.0	0.5	30	100	12	○	○
UEX4F120R1030010012	12.0	1.0	30	100	12	○	○
UEX4F120R1530010012	12.0	1.5	30	100	12	○	○
UEX4F120R2030010012	12.0	2.0	30	100	12	○	○
UEX4F120R2530010012	12.0	2.5	30	100	12	○	○
UEX4F120R3030010012	12.0	3.0	30	100	12	○	○

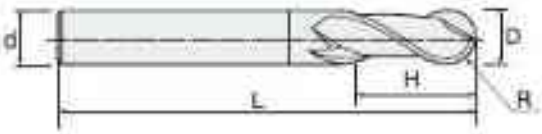
■Special specifications can be customized. ■特殊规格可定制。

UEX 2 flutes ball nose end mills

2刃球鼻立铣刀









Product Code 产品编号	R Blade 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
UEX2FR005002005004	R0.50	2.0	50	4	○	○
UEX2FR007503005004	R0.75	3.0	50	4	○	○
UEX2FR010004005004	R1.00	4.0	50	4	○	○
UEX2FR012505005004	R1.25	5.0	50	4	○	○
UEX2FR015006005004	R1.50	6.0	50	4	○	○
UEX2FR017507005004	R1.75	7.0	50	4	○	○
UEX2FR020008005004	R2.00	8.0	50	4	○	○
UEX2FR005002005006	R0.50	2.0	50	6	○	○
UEX2FR007503005006	R0.75	3.0	50	6	○	○
UEX2FR010004005006	R1.00	4.0	50	6	○	○
UEX2FR012505005006	R1.25	5.0	50	6	○	○
UEX2FR015006005006	R1.50	6.0	50	6	○	○
UEX2FR017507005006	R1.75	7.0	50	6	○	○
UEX2FR020008005006	R2.00	8.0	50	6	○	○
UEX2FR022509005006	R2.25	9.0	50	6	○	○
UEX2FR025010005006	R2.50	10.0	50	6	○	○
UEX2FR027511005006	R2.75	11.0	50	6	○	○
UEX2FR030012005006	R3.00	12.0	50	6	○	○
UEX2FR032513006008	R3.25	13.0	60	8	○	○
UEX2FR035014006008	R3.50	14.0	60	8	○	○
UEX2FR037515006008	R3.75	15.0	60	8	○	○
UEX2FR040016006008	R4.00	16.0	60	8	○	○
UEX2FR045018007510	R4.50	18.0	75	10	○	○
UEX2FR050020007510	R5.00	20.0	75	10	○	○
UEX2FR060024007512	R6.00	24.0	75	12	○	○
UEX2FR070028010014	R7.00	28.0	100	14	○	○
UEX2FR080032010016	R8.00	32.0	100	16	○	○
UEX2FR090036010018	R9.00	36.0	100	18	○	○
UEX2FR100040010020	R10.0	40.0	100	20	○	○
UEX2FR125050010025	R12.5	50.0	100	25	○	○

★ WORK MATERAIL 被削材质

UEX

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

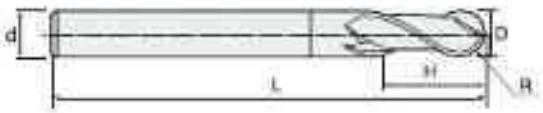
R	R diameter tolerance
R	R±0.015

★ TOLERANCES 公差

Blade diameter 刃径直径	Blade diameter tolerance 刃径直径公差	Shank diameter tolerance 柄径直径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

UEX Long shank 2 flutes ball nose end mills





Product Code	R Blade	Blade length	Full	Shank	Inventory	
					AL	AS
UEX2FR005002007504	R0.50	2	75	4	○	○
UEX2FR007503007504	R0.75	3	75	4	○	○
UEX2FR010004007504	R1.00	4	75	4	○	○
UEX2FR012505007504	R1.25	5	75	4	○	○
UEX2FR015006007504	R1.50	6	75	4	○	○
UEX2FR017507007504	R1.75	7	75	4	○	○
UEX2FR020008007504	R2.00	8	75	4	○	○
UEX2FR022509007506	R2.25	9	75	6	○	○
UEX2FR025010007506	R2.50	10	75	6	○	○
UEX2FR027511007506	R2.75	11	75	6	○	○
UEX2FR030012007506	R3.00	12	75	6	○	○
UEX2FR040016007508	R4.00	16	75	8	○	○
UEX2FR005002010006	R0.50	2	100	6	○	○
UEX2FR007503010006	R0.75	3	100	6	○	○
UEX2FR010004010006	R1.00	4	100	6	○	○
UEX2FR012505010006	R1.25	5	100	6	○	○
UEX2FR015006010006	R1.50	6	100	6	○	○
UEX2FR017507010006	R1.75	7	100	6	○	○
UEX2FR020008010006	R2.00	8	100	6	○	○
UEX2FR022509010006	R2.25	9	100	6	○	○
UEX2FR025010010006	R2.50	10	100	6	○	○
UEX2FR027511010006	R2.75	11	100	6	○	○
UEX2FR030012010006	R3.00	12	100	6	○	○
UEX2FR040016010008	R4.00	16	100	8	○	○
UEX2FR050020010010	R5.00	20	100	10	○	○
UEX2FR060024010012	R6.00	24	100	12	○	○
UEX2FR030012015006	R3.00	12	150	6	○	○
UEX2FR040016015008	R4.00	16	150	8	○	○
UEX2FR050020015010	R5.00	20	150	10	○	○
UEX2FR060024015012	R6.00	24	150	12	○	○
UEX2FR070028015014	R7.00	28	150	14	○	○
UEX2FR080032015016	R8.00	32	150	16	○	○
UEX2FR100040015020	R10.00	40	150	20	○	○
UEX2FR040016020008	R4.00	16	200	8	○	○
UEX2FR050020020010	R5.00	20	200	10	○	○
UEX2FR060024020012	R6.00	24	200	12	○	○
UEX2FR070028020014	R7.00	28	200	14	○	○
UEX2FR080032020016	R8.00	32	200	16	○	○
UEX2FR100040020020	R10.00	40	200	20	○	○

★ WORK MATERAIL

UEX

P20 S45C	SCM SK	FC FCD	CU	304
●	●	●	●	●

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

UEX 4 flutes high strength flat end mills

四刃强力平底铣刀









B139

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
UEX4F01001502505004	1.0	1.5	2.5	50	4	○	○
UEX4F02003005005004	2.0	3.0	5.0	50	4	○	○
UEX4F03004507505006	3.0	4.5	7.5	50	6	○	○
UEX4F04006010005006	4.0	6.0	10.0	50	6	○	○
UEX4F05007512505006	5.0	7.5	12.5	50	6	○	○
UEX4F06009015005006	6.0	9.0	15.0	50	6	○	○
UEX4F08012020006008	8.0	12.0	20.0	60	8	○	○
UEX4F10015025075010	10.0	15.0	25.0	75	10	○	○
UEX4F12018030075012	12.0	18.0	30.0	75	12	○	○
UEX4F16024040100016	16.0	24.0	40.0	100	16	○	○
UEX4F20030050100020	20.0	30.0	50.0	100	20	○	○

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
UEX4F1/8-B	1/8	5/32	1 /2	2-1/2	1/4	○	○
UEX4F3/16-B	3/16	7/32	3/4	2-1/2	1/4	○	○
UEX4F1/4-B	1/4	9/32	3/4	2-1/2	1/4	○	○
UEX4F5/16-B	5/16	13/32	1	2-1/2	5/16	○	○
UEX4F3/8-B	3/8	15/32	1	2-1/2	3/8	○	○
UEX4F1/2-B	1/2	5/8	1-1/4	3	1/2	○	○
UEX4F5/8-B	5/8	3/4	1-1/2	3-1/2	5/8	○	○
UEX4F3/4-B	3/4	15/16	1-3/4	4	3/4	○	○

★ WORK MATERAIL 被削材质

UEX

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

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差
Φ ≤12.0	0--0.02
Φ >12.0	0--0.03

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 45	HRC 55	HRC 60
Vc	160M/min	150M/min	99M/min

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

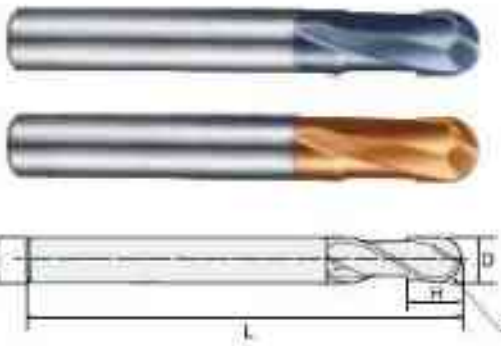


Milling amount (mm)	ap	ae	ap	ae	ap	ae
	1.0D	0.02D	1.0D	0.01D	1.0D	0.01D
	ae Max=0.2mm以下		ae Max=0.2mm以下		ae Max=0.2mm以下	

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

UEX 2 flutes high strength ball nose end mills

二刃強力球頭銑刀



Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存 AL	Inventory 庫存 AS
UEX2FR0050100100305004	0.50R	1.0	1.0	2	50	4	○	○
UEX2FR0075150150305004	0.75R	1.5	1.5	3	50	4	○	○
UEX2FR0100200200405006	1.00R	2.0	2.0	4	50	6	○	○
UEX2FR0150300300605006	1.50R	3.0	3.0	6	50	6	○	○
UEX2FR0200400400805006	2.00R	4.0	4.0	8	50	6	○	○
UEX2FR0250500501005006	2.50R	5.0	5.0	10	50	6	○	○
UEX2FR0300600601205006	3.00R	6.0	6.0	12	50	6	○	○
UEX2FR0400800801606008	4.00R	8.0	8.0	16	60	8	○	○
UEX2FR0500100100200751O	5.00R	10.0	10.0	20	75	10	○	○
UEX2FR0600120120240751Z	6.00R	12.0	12.0	24	75	12	○	○
UEX2FR0800160160321001G	8.00R	16.0	16.0	32	100	16	○	○

★ WORK MATERAIL 被削材質

UEX

P20 S45C	SCM SK	FC FCD	CU	304
模具鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃徑規格	Blade diameter tolerance 刃徑直徑公差
Φ ≤ 12.0	R ± 0.01
Φ > 12.0	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 45	HRC 55	HRC 60
Vc	180M/min	175M/min	95M/min

Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
0.5R	30,000	960	30,000	950	25,500	930
1.0R	31,500	1,900	28,500	1,880	15,500	600
1.5R	21,000	2,040	19,000	1,880	10,500	625
2.0R	15,500	2,050	14,000	1,850	7,850	630
2.5R	12,500	2,040	11,000	1,815	6,350	630
3.0R	10,500	2,040	9,500	1,880	5,300	630
4.0R	7,950	1,550	7,150	1,400	3,950	470
5.0R	6,350	1,250	5,700	1,100	3,150	375
6.0R	5,300	1,050	4,750	950	2,650	315
8.0R	3,950	790	3,550	710	1,950	330

Milling amount (mm)

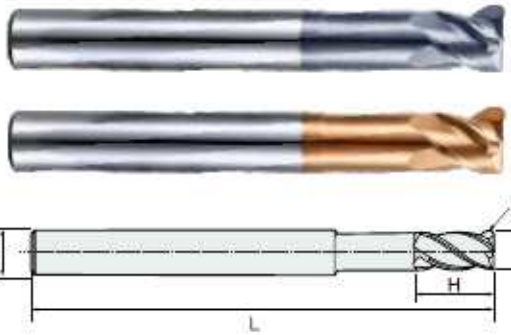




The feed & RPM may be changed depending on the M/C Conditions, Lubricating & Cooling systems.

UEX 4 flutes high strength corner radius end mills

四刃强力圆鼻铣刀





B141

Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存 AL	Inventory 庫存 AS
UEX4F030R01003005006	0.1R	3	3	7.5	50	6	○	○
UEX4F030R05003005006	0.5R	3	3	7.5	50	6	○	○
UEX4F040R02004005006	0.2R	4	4	10.0	50	6	○	○
UEX4F040R05004005006	0.5R	4	4	10.0	50	6	○	○
UEX4F050R02005005006	0.2R	5	5	12.5	50	6	○	○
UEX4F050R05005005006	0.5R	5	5	12.5	50	6	○	○
UEX4F060R02006005006	0.2R	6	6	15.0	50	6	○	○
UEX4F060R05006005006	0.5R	6	6	15.0	50	6	○	○
UEX4F060R10006005006	1.0R	6	6	15.0	50	6	○	○
UEX4F080R03008006008	0.3R	8	8	20.0	60	8	○	○
UEX4F080R05008006008	0.5R	8	8	20.0	60	8	○	○
UEX4F080R10008006008	1.0R	8	8	20.0	60	8	○	○
UEX4F080R15008006008	1.5R	8	8	20.0	60	8	○	○
UEX4F100R03010007510	0.3R	10	10	25.0	75	10	○	○
UEX4F100R05010007510	0.5R	10	10	25.0	75	10	○	○
UEX4F100R10010007510	1.0R	10	10	25.0	75	10	○	○
UEX4F100R15010007510	1.5R	10	10	25.0	75	10	○	○
UEX4F100R20010007510	2.0R	10	10	25.0	75	10	○	○
UEX4F120R03012007512	0.3R	12	12	30.0	75	12	○	○
UEX4F120R05012007512	0.5R	12	12	30.0	75	12	○	○
UEX4F120R10012007512	1.0R	12	12	30.0	75	12	○	○
UEX4F120R15012007512	1.5R	12	12	30.0	75	12	○	○
UEX4F120R20012007512	2.0R	12	12	30.0	75	12	○	○

★ WORK MATERAIL 被削材质

UEX

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

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差
Φ ≤12.0	0~-0.02
Φ >12.0	0~-0.03

R	R diameter tolerance
R	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 35	HRC 45	HRC 55
Vc	110M/min	95M/min	79M/min

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

Milling amount (mm)

	Ae	Ar
D < Φ6	0.3D	0.01D
Φ6≤D	0.3D	0.02D

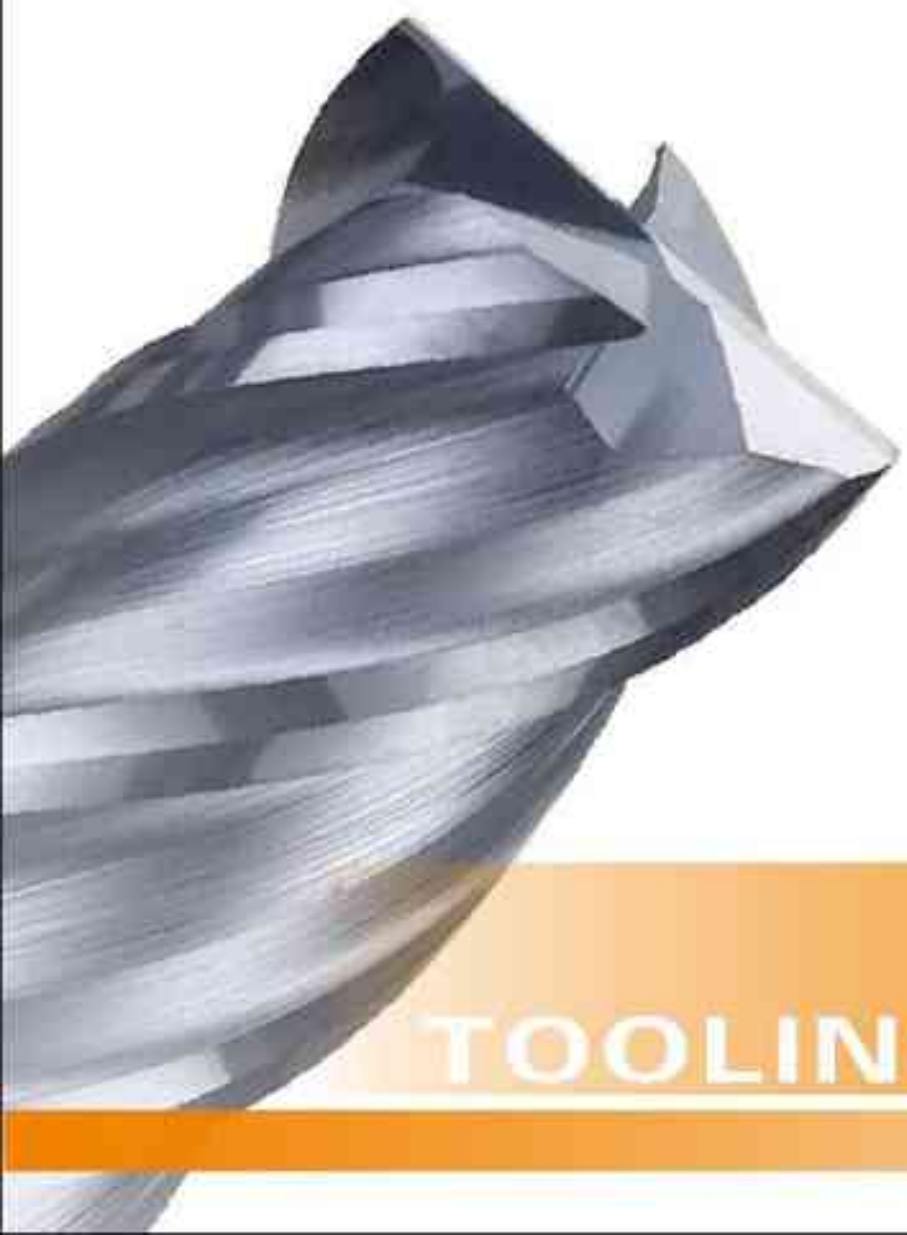


The feed & RPM may be changed depending on the M/C Conditions,Lubricating & Cooling systems.

TEX

DOHRE
Dohre Tools Co.,Ltd
4008 804 803

AD-Stainless Steel special coated milling cutter
AD-不銹鋼專用塗層銑刀





TOOLING SYSTEM

www.dohrecnc.com

TEX 2 flutes square end mills

2刃立銑刀









B143

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
TEX2F01003005004	1.0	3	50	4	○	○
TEX2F01504005004	1.5	4	50	4	○	○
TEX2F02006005004	2.0	6	50	4	○	○
TEX2F02507005004	2.5	7	50	4	○	○
TEX2F03008005004	3.0	8	50	4	○	○
TEX2F03510005004	3.5	10	50	4	○	○
TEX2F04011005004	4.0	11	50	4	○	○
TEX2F01003005006	1.0	3	50	6	○	○
TEX2F01504005006	1.5	4	50	6	○	○
TEX2F02006005006	2.0	6	50	6	○	○
TEX2F02507005006	2.5	7	50	6	○	○
TEX2F03008005006	3.0	8	50	6	○	○
TEX2F03510005006	3.5	10	50	6	○	○
TEX2F04011005006	4.0	11	50	6	○	○
TEX2F04513005006	4.5	13	50	6	○	○
TEX2F05013005006	5.0	13	50	6	○	○
TEX2F05513005006	5.5	13	50	6	○	○
TEX2F06015005006	6.0	15	50	6	○	○
TEX2F06517006008	6.5	17	60	8	○	○
TEX2F07017006008	7.0	17	60	8	○	○
TEX2F07517006008	7.5	17	60	8	○	○
TEX2F08020006008	8.0	20	60	8	○	○
TEX2F08823007510	8.8	23	75	10	○	○
TEX2F09023007510	9.0	23	75	10	○	○
TEX2F09525007510	9.5	25	75	10	○	○
TEX2F10025007510	10.0	25	75	10	○	○
TEX2F10525007512	10.5	25	75	12	○	○
TEX2F11028007512	11.0	28	75	12	○	○
TEX2F11528007512	11.5	28	75	12	○	○
TEX2F12030007512	12.0	30	75	12	○	○
TEX2F13045010014	13.0	45	100	14	○	○
TEX2F14045010014	14.0	45	100	14	○	○
TEX2F15045010016	15.0	45	100	16	○	○
TEX2F16045010016	16.0	45	100	16	○	○
TEX2F17045010018	17.0	45	100	18	○	○
TEX2F18045010018	18.0	45	100	18	○	○
TEX2F19045010020	19.0	45	100	20	○	○
TEX2F20045010020	20.0	45	100	20	○	○
TEX2F22045010025	22.0	45	100	25	○	○
TEX2F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材質

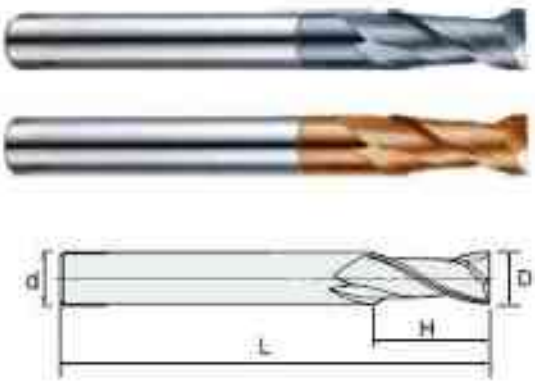
TEX

P20 S45C	SCM SK	FC FCD	CU	304
模具鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

★ TOLERANCES 公差

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

TEX Long shank 2 flutes square end mills



Product Code	Blade diameter	Blade length	Full	Shank	Inventory	
					AL	AS
TEX2F01003007504	1.0	3	75	4	○	○
TEX2F01504507504	1.5	4.5	75	4	○	○
TEX2F02006007504	2.0	6	75	4	○	○
TEX2F02507007504	2.5	7	75	4	○	○
TEX2F03008007504	3.0	8	75	4	○	○
TEX2F03510007504	3.5	10	75	4	○	○
TEX2F04011007504	4.0	11	75	4	○	○
TEX2F04513007506	4.5	13	75	6	○	○
TEX2F05013007506	5.0	13	75	6	○	○
TEX2F05513007506	5.5	13	75	6	○	○
TEX2F06015007506	6.0	15	75	6	○	○
TEX2F06517007508	6.5	17	75	8	○	○
TEX2F07017007508	7.0	17	75	8	○	○
TEX2F07517007508	7.5	17	75	8	○	○
TEX2F08020007508	8.0	20	75	8	○	○
TEX2F03008010006	3.0	8	100	6	○	○
TEX2F04011010006	4.0	11	100	6	○	○
TEX2F05013010006	5.0	13	100	6	○	○
TEX2F06015010006	6.0	15	100	6	○	○
TEX2F07017010008	7.0	17	100	8	○	○
TEX2F08020010008	8.0	20	100	8	○	○
TEX2F09023010010	9.0	23	100	10	○	○
TEX2F10025010010	10.0	25	100	10	○	○
TEX2F11028010012	11.0	28	100	12	○	○
TEX2F12030010012	12.0	30	100	12	○	○
TEX2F08020015008	8.0	20	150	8	○	○
TEX2F10025015010	10.0	25	150	10	○	○
TEX2F12030015012	12.0	30	150	12	○	○
TEX2F16050015016	16.0	50	150	16	○	○
TEX2F18050015018	18.0	50	150	18	○	○
TEX2F20050015020	20.0	50	150	20	○	○
TEX2F16050020016	16.0	50	200	16	○	○
TEX2F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL

TEX

P20 S45C	SCM SK	FC FCD	CU	304
•	•	•	•	•

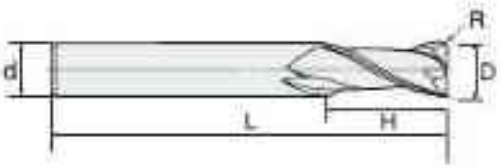
★ TOLERANCES

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

TEX 2 flutes corner radius end mills







Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
TEX2F010R0203005004	1.0	0.2	3	50	4	○	○
TEX2F015R0204005004	1.5	0.2	4	50	4	○	○
TEX2F015R0504005004	1.5	0.5	4	50	4	○	○
TEX2F020R0206005004	2.0	0.2	6	50	4	○	○
TEX2F020R0506005004	2.0	0.5	6	50	4	○	○
TEX2F025R0208005004	2.5	0.2	8	50	4	○	○
TEX2F025R0508005004	2.5	0.5	8	50	4	○	○
TEX2F030R0208005004	3.0	0.2	8	50	4	○	○
TEX2F030R0508005004	3.0	0.5	8	50	4	○	○
TEX2F030R1008005004	3.0	1.0	8	50	4	○	○
TEX2F040R0211005004	4.0	0.2	11	50	4	○	○
TEX2F040R0511005004	4.0	0.5	11	50	4	○	○
TEX2F040R1011005004	4.0	1.0	11	50	4	○	○
TEX2F050R0513005006	5.0	0.5	13	50	6	○	○
TEX2F050R1013005006	5.0	1.0	13	50	6	○	○
TEX2F060R0215005006	6.0	0.2	15	50	6	○	○
TEX2F060R0515005006	6.0	0.5	15	50	6	○	○
TEX2F060R1015005006	6.0	1.0	15	50	6	○	○
TEX2F060R1515005006	6.0	1.5	15	50	6	○	○
TEX2F060R2015005006	6.0	2.0	15	50	6	○	○
TEX2F080R0520006008	8.0	0.5	20	60	8	○	○
TEX2F080R1020006008	8.0	1.0	20	60	8	○	○
TEX2F080R1520006008	8.0	1.5	20	60	8	○	○
TEX2F080R2020006008	8.0	2.0	20	60	8	○	○
TEX2F100R0825007510	10.0	0.5	25	75	10	○	○
TEX2F100R1025007510	10.0	1.0	25	75	10	○	○
TEX2F100R1525007510	10.0	1.5	25	75	10	○	○
TEX2F100R2025007510	10.0	2.0	25	75	10	○	○
TEX2F100R2525007510	10.0	2.5	25	75	10	○	○
TEX2F100R3025007510	10.0	3.0	25	75	10	○	○
TEX2F120R0530007512	12.0	0.5	30	75	12	○	○
TEX2F120R1030007512	12.0	1.0	30	75	12	○	○
TEX2F120R1530007512	12.0	1.5	30	75	12	○	○
TEX2F120R2030007512	12.0	2.0	30	75	12	○	○
TEX2F120R2530007512	12.0	2.5	30	75	12	○	○
TEX2F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL

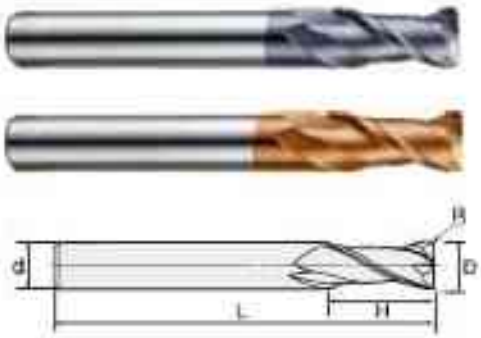
TEX

P20 S45C	SCM SK	FC FCD	CU
•	•	•	•

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

TEX Long shank 2 flutes corner radius end mills



Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
TEX2F010R0203007504	1.0	0.2	3	75	4	O	O
TEX2F015R0204007504	1.5	0.2	4	75	4	O	O
TEX2F015R0504007504	1.5	0.5	4	75	4	O	O
TEX2F020R0206007504	2.0	0.2	6	75	4	O	O
TEX2F020R0506007504	2.0	0.5	6	75	4	O	O
TEX2F025R0208007504	2.5	0.2	8	75	4	O	O
TEX2F025R0508007504	2.5	0.5	8	75	4	O	O
TEX2F030R0208007504	3.0	0.2	8	75	4	O	O
TEX2F030R0508007504	3.0	0.5	8	75	4	O	O
TEX2F030R1008007504	3.0	1.0	8	75	4	O	O
TEX2F040R0201107504	4.0	0.2	11	75	4	O	O
TEX2F040R0501107504	4.0	0.5	11	75	4	O	O
TEX2F040R1001107504	4.0	1.0	11	75	4	O	O
TEX2F050R0513007506	5.0	0.5	13	75	6	O	O
TEX2F050R1013007506	5.0	1.0	13	75	6	O	O
TEX2F060R0215007506	6.0	0.2	15	75	6	O	O
TEX2F060R0515007506	6.0	0.5	15	75	6	O	O
TEX2F060R1015007506	6.0	1.0	15	75	6	O	O
TEX2F060R1515007506	6.0	1.5	15	75	6	O	O
TEX2F060R2015007506	6.0	2.0	15	75	6	O	O
TEX2F080R0520007508	8.0	0.5	20	75	8	O	O
TEX2F080R1020007508	8.0	1.0	20	75	8	O	O
TEX2F080R1520007508	8.0	1.5	20	75	8	O	O
TEX2F080R2020007508	8.0	2.0	20	75	8	O	O
TEX2F040R0211010006	4.0	0.2	11	100	6	O	O
TEX2F040R0511010006	4.0	0.5	11	100	6	O	O
TEX2F040R1011010006	4.0	1.0	11	100	6	O	O
TEX2F050R0513010006	5.0	0.5	13	100	6	O	O
TEX2F050R1013010006	5.0	1.0	13	100	6	O	O
TEX2F060R0215010006	6.0	0.2	15	100	6	O	O
TEX2F060R0515010006	6.0	0.5	15	100	6	O	O
TEX2F060R1015010006	6.0	1.0	15	100	6	O	O
TEX2F060R1515010006	6.0	1.5	15	100	6	O	O
TEX2F060R2015010006	6.0	2.0	15	100	6	O	O
TEX2F080R0520010008	8.0	0.5	20	100	8	O	O
TEX2F080R1020010008	8.0	1.0	20	100	8	O	O
TEX2F080R1520010008	8.0	1.5	20	100	8	O	O
TEX2F0A0R2020010008	8.0	2.0	20	100	8	O	O
TEX2F100R0525010010	10.0	0.5	25	100	10	O	O
TEX2F100R1025010010	10.0	1.0	25	100	10	O	O
TEX2F100R1525010010	10.0	1.5	25	100	10	O	O
TEX2F100R2025010010	10.0	2.0	25	100	10	O	O
TEX2F100R2525010010	10.0	2.5	25	100	10	O	O
TEX2F100R3025010010	10.0	3.0	25	100	10	O	O
TEX2F120R0530010012	12.0	0.5	30	100	12	O	O
TEX2F120R1030010012	12.0	1.0	30	100	12	O	O
TEX2F120R1530010012	12.0	1.5	30	100	12	O	O
TEX2F120R2030010012	12.0	2.0	30	100	12	O	O
TEX2F120R2530010012	12.0	2.5	30	100	12	O	O
TEX2F120R3030010012	12.0	3.0	30	100	12	O	O

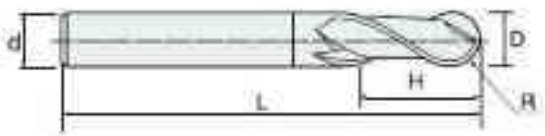
■Special specifications can be customized ■特殊规格可定制。

TEX 2 flutes ball nose end mills

2刃球鼻立铣刀







Product Code 产品编号	R Blade 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
TEX2FR0050020050O4	R0.50	2.0	50	4	○	○
TEX2FR0075030050O4	R0.75	3.0	50	4	○	○
TEX2FR0100040050O4	R1.00	4.0	50	4	○	○
TEX2FR0125050050O4	R1.25	5.0	50	4	○	○
TEX2FR0150060050O4	R1.50	6.0	50	4	○	○
TEX2FR0175070050O4	R1.75	7.0	50	4	○	○
TEX2FR0200080050O4	R2.00	8.0	50	4	○	○
TEX2FR0050020050O6	R0.50	2.0	50	6	○	○
TEX2FR0075030050O6	R0.75	3.0	50	6	○	○
TEX2FR0100040050O6	R1.00	4.0	50	6	○	○
TEX2FR0125050050O6	R1.25	5.0	50	6	○	○
TEX2FR0150060050O6	R1.50	6.0	50	6	○	○
TEX2FR0175070050O6	R1.75	7.0	50	6	○	○
TEX2FR0200080050O6	R2.00	8.0	50	6	○	○
TEX2FR0225090050O6	R2.25	9.0	50	6	○	○
TEX2FR0250100050O6	R2.50	10.0	50	6	○	○
TEX2FR0275110050O6	R2.75	11.0	50	6	○	○
TEX2FR0300120050O6	R3.00	12.0	50	6	○	○
TEX2FR0325130060O8	R3.25	13.0	60	8	○	○
TEX2FR0350140060O8	R3.50	14.0	60	8	○	○
TEX2FR0375150060O8	R3.75	15.0	60	8	○	○
TEX2FR0400160060O8	R4.00	16.0	60	8	○	○
TEX2FR0450180075I0	R4.50	18.0	75	10	○	○
TEX2FR0500200075I0	R5.00	20.0	75	10	○	○
TEX2FR0600240075I2	R6.00	24.0	75	12	○	○
TEX2FR0700280100I4	R7.00	28.0	100	14	○	○
TEX2FR0800320100I6	R8.00	32.0	100	16	○	○
TEX2FR0900360100I8	R9.00	36.0	100	18	○	○
TEX2FR1000400100J0	R10.0	40.0	100	20	○	○
TEX2FR1250500100J5	R12.5	50.0	100	25	○	○

☆ WORK MATERAIL 被加材质

TEX

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

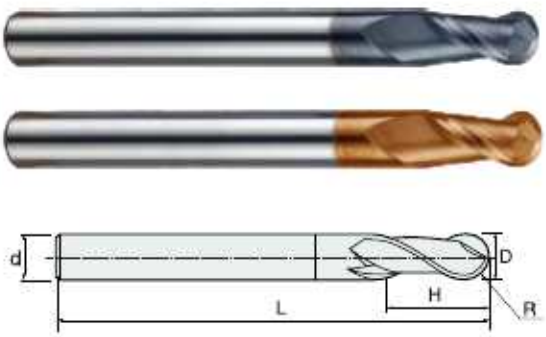
R	R diameter tolerance
R	R ± 0.015

☆ TOLERANCES 公差

Blade diameter 刃径直径	Blade diameter tolerance 刃径直径公差	Shank diameter tolerance 柄径直径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

TEX Long shank 2 flutes ball nose end mills

長柄 2刃球型立銑刀





MG | 0.6μm | CO10% | HRC-55 | ALDNL

Product Code 產品編號	R Blade R徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
TEX2FR005002007504	R0.50	2	75	4	○	○
TEX2FR007503007504	R0.75	3	75	4	○	○
TEX2FR010004007504	R1.00	4	75	4	○	○
TEX2FR012505007504	R1.25	5	75	4	○	○
TEX2FR015006007504	R1.50	6	75	4	○	○
TEX2FR017507007504	R1.75	7	75	4	○	○
TEX2FR020008007504	R2.00	8	75	4	○	○
TEX2FR022509007506	R2.25	9	75	6	○	○
TEX2FR025010007506	R2.50	10	75	6	○	○
TEX2FR027511007506	R2.75	11	75	6	○	○
TEX2FR030012007506	R3.00	12	75	6	○	○
TEX2FR040016007508	R4.00	16	75	8	○	○
TEX2FR005002010006	R0.50	2	100	6	○	○
TEX2FR007503010006	R0.75	3	100	6	○	○
TEX2FR010004010006	R1.00	4	100	6	○	○
TEX2FR012505010006	R1.25	5	100	6	○	○
TEX2FR015006010006	R1.50	6	100	6	○	○
TEX2FR017507010006	R1.75	7	100	6	○	○
TEX2FR020008010006	R2.00	8	100	6	○	○
TEX2FR022509010006	R2.25	9	100	6	○	○
TEX2FR025010010006	R2.50	10	100	6	○	○
TEX2FR027511010006	R2.75	11	100	6	○	○
TEX2FR030012010006	R3.00	12	100	6	○	○
TEX2FR040016010008	R4.00	16	100	8	○	○
TEX2FR050020010010	R5.00	20	100	10	○	○
TEX2FR060024010012	R6.00	24	100	12	○	○
TEX2FR030012015006	R3.00	12	150	6	○	○
TEX2FR040016015008	R4.00	16	150	8	○	○
TEX2FR050020015010	R5.00	20	150	10	○	○
TEX2FR060024015012	R6.00	24	150	12	○	○
TEX2FR070028015014	R7.00	28	150	14	○	○
TEX2FR080032015016	R8.00	32	150	16	○	○
TEX2FR100040015020	R10.00	40	150	20	○	○
TEX2FR040016020008	R4.00	16	200	8	○	○
TEX2FR050020020010	R5.00	20	200	10	○	○
TEX2FR060024020012	R6.00	24	200	12	○	○
TEX2FR070028020014	R7.00	28	200	14	○	○
TEX2FR080032020016	R8.00	32	200	16	○	○
TEX2FR100040020020	R10.00	40	200	20	○	○

★ WORK MATERAIL 被削材質

TEX

P20 S45C	SCM SK	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES 公差

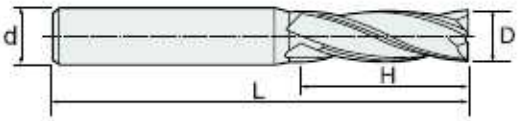
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0-Φ2.9	0--0.02	H6
Φ3.0-Φ6.4	-0.01--0.03	
Φ6.5-Φ10.9	-0.01--0.035	
Φ11.0-Φ16.5	-0.01--0.04	
Φ17.0-Φ20.0	-0.015--0.045	
Φ20.5-Φ25.0	-0.015--0.05	

TEX 4 flutes square end mills

4刃立铣刀









Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					AL	AS
TEX4F01003005004	1.0	3	50	4	○	○
TEX4F01504505004	1.5	4.5	50	4	○	○
TEX4F02006005004	2.0	6	50	4	○	○
TEX4F02507005004	2.5	7	50	4	○	○
TEX4F03008005004	3.0	8	50	4	○	○
TEX4F03510005004	3.5	10	50	4	○	○
TEX4F04011005004	4.0	11	50	4	○	○
TEX4F04513005006	4.5	13	50	6	○	○
TEX4F05013005006	5.0	13	50	6	○	○
TEX4F05513005006	5.5	13	50	6	○	○
TEX4F06015005006	6.0	15	50	6	○	○
TEX4F06517006008	6.5	17	60	8	○	○
TEX4F07017006008	7.0	17	60	8	○	○
TEX4F07517006008	7.5	17	60	8	○	○
TEX4F08020006008	8.0	20	60	8	○	○
TEX4F08523007510	8.5	23	75	10	○	○
TEX4F09023007510	9.0	23	75	10	○	○
TEX4F09525007510	9.5	25	75	10	○	○
TEX4F10025007510	10.0	25	75	10	○	○
TEX4F10525007512	10.5	25	75	12	○	○
TEX4F11028007512	11.0	28	75	12	○	○
TEX4F11528007512	11.5	28	75	12	○	○
TEX4F12030007512	12.0	30	75	12	○	○
TEX4F13045010014	13.0	33	100	14	○	○
TEX4F14045010014	14.0	45	100	14	○	○
TEX4F15045010016	15.0	45	100	16	○	○
TEX4F16045010016	16.0	45	100	16	○	○
TEX4F17045010018	17.0	45	100	18	○	○
TEX4F18045010018	18.0	45	100	18	○	○
TEX4F19045010020	19.0	45	100	20	○	○
TEX4F20045010020	20.0	45	100	20	○	○
TEX4F22045010025	22.0	45	100	25	○	○
TEX4F25045010025	25.0	45	100	25	○	○

★ WORK MATERAIL 被削材质

TEX

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

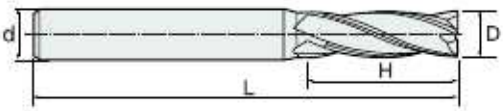
★ TOLERANCES 公差

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

TEX Long shank 4 flutes square end mills

長柄標準刃 4刃立銑刀









B150

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
TEX4F01003007504	1.0	3	75	4	○	○
TEX4F01504507504	1.5	4.5	75	4	○	○
TEX4F02006007504	2.0	6	75	4	○	○
TEX4F02507007504	2.5	7	75	4	○	○
TEX4F03008007504	3.0	8	75	4	○	○
TEX4F03510007504	3.5	10	75	4	○	○
TEX4F04011007504	4.0	11	75	4	○	○
TEX4F04513007506	4.5	13	75	6	○	○
TEX4F05013007506	5.0	13	75	6	○	○
TEX4F05513007506	5.5	13	75	6	○	○
TEX4F06015007506	6.0	15	75	6	○	○
TEX4F06517007508	6.5	17	75	8	○	○
TEX4F07017007508	7.0	17	75	8	○	○
TEX4F07517007508	7.5	17	75	8	○	○
TEX4F08020007508	8.0	20	75	8	○	○
TEX4F03008010006	3.0	8	100	6	○	○
TEX4F04011010006	4.0	11	100	6	○	○
TEX4F05013010006	5.0	13	100	6	○	○
TEX4F06015010006	6.0	15	100	6	○	○
TEX4F07017010008	7.0	17	100	8	○	○
TEX4F08020010008	8.0	20	100	8	○	○
TEX4F09023010010	9.0	23	100	10	○	○
TEX4F10025010010	10.0	25	100	10	○	○
TEX4F11028010012	11.0	28	100	12	○	○
TEX4F12030010012	12.0	30	100	12	○	○
TEX4F08020015008	8.0	20	150	8	○	○
TEX4F10025015010	10.0	25	150	10	○	○
TEX4F12030015012	12.0	30	150	12	○	○
TEX4F16050015016	16.0	50	150	16	○	○
TEX4F18050015018	18.0	50	150	18	○	○
TEX4F20050015020	20.0	50	150	20	○	○
TEX4F16050020016	16.0	50	200	16	○	○
TEX4F20050020020	20.0	50	200	20	○	○

★ WORK MATERAIL 被削材质

TEX

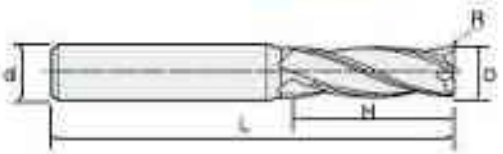
P20 S45C	SCM SK	FC FCD	CU	304
碳素钢	合金钢	铸铁	铜合金	不锈钢
●	●	●	●	●

★ TOLERANCES 公差

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

TEX 4 flutes corner radius end mills







Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
TEX4F010R0203005004	1.0	0.2	3	50	4	○	○
TEX4F015R0204005004	1.5	0.2	4	50	4	○	○
TEX4F015R0504005004	1.5	0.5	4	50	4	○	○
TEX4F020R0206005004	2.0	0.2	6	50	4	○	○
TEX4F020R0506005004	2.0	0.5	6	50	4	○	○
TEX4F025R0208005004	2.5	0.2	8	50	4	○	○
TEX4F025R0508005004	2.5	0.5	8	50	4	○	○
TEX4F030R0208005004	3.0	0.2	8	50	4	○	○
TEX4F030R0508005004	3.0	0.5	8	50	4	○	○
TEX4F030R1008005004	3.0	1.0	8	50	4	○	○
TEX4F040R0201105004	4.0	0.2	11	50	4	○	○
TEX4F040R0501105004	4.0	0.5	11	50	4	○	○
TEX4F040R1001105004	4.0	1.0	11	50	4	○	○
TEX4F050R0513005006	5.0	0.5	13	50	6	○	○
TEX4F050R1013005006	5.0	1.0	13	50	6	○	○
TEX4F060R0215005006	6.0	0.2	15	50	6	○	○
TEX4F060R0515005006	6.0	0.5	15	50	6	○	○
TEX4F060R1015005006	6.0	1.0	15	50	6	○	○
TEX4F060R1515005006	6.0	1.5	15	50	6	○	○
TEX4F060R2015005006	6.0	2.0	15	50	6	○	○
TEX4F080R0520006008	8.0	0.5	20	60	8	○	○
TEX4F080R1020006008	8.0	1.0	20	60	8	○	○
TEX4F080R1520006008	8.0	1.5	20	60	8	○	○
TEX4F080R2020006008	8.0	2.0	20	60	8	○	○
TEX4F100R0525007510	10.0	0.5	25	75	10	○	○
TEX4F100R1025007510	10.0	1.0	25	75	10	○	○
TEX4F100R1525007510	10.0	1.5	25	75	10	○	○
TEX4F100R2025007510	10.0	2.0	25	75	10	○	○
TEX4F100R2525007510	10.0	2.5	25	75	10	○	○
TEX4F100R3025007510	10.0	3.0	25	75	10	○	○
TEX4F120R0530007512	12.0	0.5	30	75	12	○	○
TEX4F120R1030007512	12.0	1.0	30	75	12	○	○
TEX4F120R1530007512	12.0	1.5	30	75	12	○	○
TEX4F120R2030007512	12.0	2.0	30	75	12	○	○
TEX4F120R2530007512	12.0	2.5	30	75	12	○	○
TEX4F120R3030007512	12.0	3.0	30	75	12	○	○

★ WORK MATERAIL

TEX

P20 S45C	SCM SK	FC FCD	CU
•	•	•	•

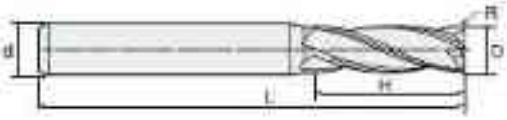
★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

TEX Long shank 4 flutes corner radius end mills









B152

Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory	
						AL	AS
TEX4F010R0203007504	1.0	0.2	3	75	4	O	O
TEX4F015R0203007504	1.5	0.2	4	75	4	O	O
TEX4F015R0503007504	1.5	0.5	4	75	4	O	O
TEX4F020R0206007504	2.0	0.2	6	75	4	O	O
TEX4F020R0506007504	2.0	0.5	6	75	4	O	O
TEX4F025R0208007504	2.5	0.2	8	75	4	O	O
TEX4F025R0508007504	2.5	0.5	8	75	4	O	O
TEX4F030R0208007504	3.0	0.2	8	75	4	O	O
TEX4F030R0508007504	3.0	0.5	8	75	4	O	O
TEX4F030R1008007504	3.0	1.0	8	75	4	O	O
TEX4F040R0201107504	4.0	0.2	11	75	4	O	O
TEX4F040R0501107504	4.0	0.5	11	75	4	O	O
TEX4F040R1001107504	4.0	1.0	11	75	4	O	O
TEX4F050R0511007506	5.0	0.5	11	75	6	O	O
TEX4F050R1013007506	5.0	1.0	13	75	6	O	O
TEX4F060R0219007506	6.0	0.2	15	75	6	O	O
TEX4F060R0515007506	6.0	0.5	15	75	6	O	O
TEX4F060R1015007506	6.0	1.0	15	75	6	O	O
TEX4F060R1515007506	6.0	1.5	15	75	6	O	O
TEX4F060R2015007506	6.0	2.0	15	75	6	O	O
TEX4F080R0520007508	8.0	0.5	20	75	8	O	O
TEX4F080R1020007508	8.0	1.0	20	75	8	O	O
TEX4F080R1520007508	8.0	1.5	20	75	8	O	O
TEX4F080R2020007508	8.0	2.0	20	75	8	O	O
TEX4F040R0211010006	4.0	0.2	11	100	6	O	O
TEX4F040R0511010006	4.0	0.5	11	100	6	O	O
TEX4F040R1011010006	4.0	1.0	11	100	6	O	O
TEX4F050R0513010006	5.0	0.5	13	100	6	O	O
TEX4F050R1013010006	5.0	1.0	13	100	6	O	O
TEX4F060R0215010006	6.0	0.2	15	100	6	O	O
TEX4F060R0515010006	6.0	0.5	15	100	6	O	O
TEX4F060R1015010006	6.0	1.0	15	100	6	O	O
TEX4F060R1515010006	6.0	1.5	15	100	6	O	O
TEX4F060R2015010006	6.0	2.0	15	100	6	O	O
TEX4F080R0520010008	8.0	0.5	20	100	8	O	O
TEX4F080R1020010008	8.0	1.0	20	100	8	O	O
TEX4F080R1520010008	8.0	1.5	20	100	8	O	O
TEX4F080R2020010008	8.0	2.0	20	100	8	O	O
TEX4F100R0525010010	10.0	0.5	25	100	10	O	O
TEX4F100R1025010010	10.0	1.0	25	100	10	O	O
TEX4F100R1525010010	10.0	1.5	25	100	10	O	O
TEX4F100R2025010010	10.0	2.0	25	100	10	O	O
TEX4F100R2525010010	10.0	2.5	25	100	10	O	O
TEX4F100R3025010010	10.0	3.0	25	100	10	O	O
TEX4F120R0530010012	12.0	0.5	30	100	12	O	O
TEX4F120R1030010012	12.0	1.0	30	100	12	O	O
TEX4F120R1530010012	12.0	1.5	30	100	12	O	O
TEX4F120R2030010012	12.0	2.0	30	100	12	O	O
TEX4F120R2530010012	12.0	2.5	30	100	12	O	O
TEX4F120R3030010012	12.0	3.0	30	100	12	O	O

■Special specifications can be customized. ■特殊规格可定制。

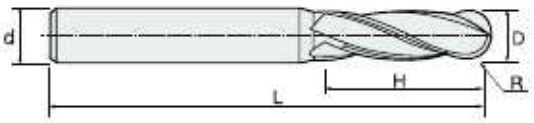
TEX 4 flutes ball nose end mills

4刃球型立銑刀









Product Code 產品編號	R Blade R徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
TEX4FR005002005004	R0.50	2.0	50	4	○	○
TEX4FR007503005004	R0.75	3.0	50	4	○	○
TEX4FR010004005004	R1.00	4.0	50	4	○	○
TEX4FR012505005004	R1.25	5.0	50	4	○	○
TEX4FR015006005004	R1.50	6.0	50	4	○	○
TEX4FR017507005004	R1.75	7.0	50	4	○	○
TEX4FR020008005004	R2.00	8.0	50	4	○	○
TEX4FR022509005006	R2.25	9.0	50	6	○	○
TEX4FR025010005006	R2.50	10.0	50	6	○	○
TEX4FR027511005006	R2.75	11.0	50	6	○	○
TEX4FR030012005006	R3.00	12.0	50	6	○	○
TEX4FR032513006008	R3.25	13.0	60	8	○	○
TEX4FR035014006008	R3.50	14.0	60	8	○	○
TEX4FR037515006008	R3.75	15.0	60	8	○	○
TEX4FR040016006008	R4.00	16.0	60	8	○	○
TEX4FR045018007510	R4.50	18.0	75	10	○	○
TEX4FR050020007510	R5.00	20.0	75	10	○	○
TEX4FR060024007512	R6.00	24.0	75	12	○	○
TEX4FR070028010014	R7.00	28.0	100	14	○	○
TEX4FR080032010016	R8.00	32.0	100	16	○	○
TEX4FR090036010018	R9.00	36.0	100	18	○	○
TEX4FR100040010020	R10.0	40.0	100	20	○	○
TEX4FR125050010025	R12.5	50.0	100	25	○	○

★ WORK MATERAIL 被削材质

TEX

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

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES 公差

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

★ TOLERANCES 公差

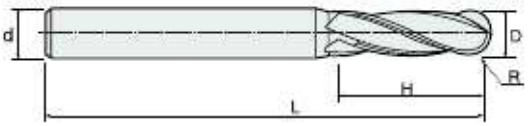
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

TEX Long shank 4 flutes ball nose end mills

長柄 4刃球型立銑刀







MG | 0.6μm | CO10% | HRC-55 | ALDNL

B154

Product Code 產品編號	R Blade R徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
TEX4FR005002007504	R0.50	2	75	4	○	○
TEX4FR007503007504	R0.75	3	75	4	○	○
TEX4FR010004007504	R1.00	4	75	4	○	○
TEX4FR012505007504	R1.25	5	75	4	○	○
TEX4FR015006007504	R1.50	6	75	4	○	○
TEX4FR017507007504	R1.75	7	75	4	○	○
TEX4FR020008007504	R2.00	8	75	4	○	○
TEX4FR022509007506	R2.25	9	75	6	○	○
TEX4FR025010007506	R2.50	10	75	6	○	○
TEX4FR027511007506	R2.75	11	75	6	○	○
TEX4FR030012007506	R3.00	12	75	6	○	○
TEX4FR040016007508	R4.00	16	75	8	○	○
TEX4FR005002010006	R0.50	2	100	6	○	○
TEX4FR007503010006	R0.75	3	100	6	○	○
TEX4FR010004010006	R1.00	4	100	6	○	○
TEX4FR012505010006	R1.25	5	100	6	○	○
TEX4FR015006010006	R1.50	6	100	6	○	○
TEX4FR017507010006	R1.75	7	100	6	○	○
TEX4FR020008010006	R2.00	8	100	6	○	○
TEX4FR022509010006	R2.25	9	100	6	○	○
TEX4FR025010010006	R2.50	10	100	6	○	○
TEX4FR027511010006	R2.75	11	100	6	○	○
TEX4FR030012010006	R3.00	12	100	6	○	○
TEX4FR040016010008	R4.00	16	100	8	○	○
TEX4FR050020010010	R5.00	20	100	10	○	○
TEX4FR060024010012	R6.00	24	100	12	○	○
TEX4FR030012015006	R3.00	12	150	6	○	○
TEX4FR040016015008	R4.00	16	150	8	○	○
TEX4FR050020015010	R5.00	20	150	10	○	○
TEX4FR060024015012	R6.00	24	150	12	○	○
TEX4FR070028015014	R7.00	28	150	14	○	○
TEX4FR080032015016	R8.00	32	150	16	○	○
TEX4FR100040015020	R10.00	40	150	20	○	○
TEX4FR040016020008	R4.00	16	200	8	○	○
TEX4FR050020020010	R5.00	20	200	10	○	○
TEX4FR060024020012	R6.00	24	200	12	○	○
TEX4FR070028020014	R7.00	28	200	14	○	○
TEX4FR080032020016	R8.00	32	200	16	○	○
TEX4FR100040020020	R10.00	40	200	20	○	○

★ WORK MATERAIL 被削材质

TEX

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

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES 公差

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

TEX 3 flutes square end mills

3刃立銑刀









B155

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					AL	AS
TEX3F01003005004	1.0	3	50	4	○	○
TEX3F01504505004	1.5	4.5	50	4	○	○
TEX3F02006005004	2.0	6	50	4	○	○
TEX3F02507005004	2.5	7	50	4	○	○
TEX3F03008005004	3.0	8	50	4	○	○
TEX3F03510005004	3.5	10	50	4	○	○
TEX3F04011005004	4.0	11	50	4	○	○
TEX3F04511005006	4.5	11	50	6	○	○
TEX3F05013005006	5.0	13	50	6	○	○
TEX3F05513005006	5.5	13	50	6	○	○
TEX3F06015005006	6.0	15	50	6	○	○
TEX3F06515006008	6.5	15	60	8	○	○
TEX3F07017006008	7.0	17	60	8	○	○
TEX3F07517006008	7.5	17	60	8	○	○
TEX3F08020006008	8.0	20	60	8	○	○
TEX3F08520007510	8.5	20	75	10	○	○
TEX3F09023007510	9.0	23	75	10	○	○
TEX3F09523007510	9.5	23	75	10	○	○
TEX3F10025007510	10.0	25	75	10	○	○
TEX3F10525007512	10.5	25	75	12	○	○
TEX3F11028007512	11.0	28	75	12	○	○
TEX3F11528007512	11.5	28	75	12	○	○
TEX3F12030007512	12.0	30	75	12	○	○
TEX3F13033010014	13.0	33	100	14	○	○
TEX3F14035010014	14.0	35	100	14	○	○
TEX3F15038010016	15.0	38	100	16	○	○
TEX3F16040010016	16.0	40	100	16	○	○
TEX3F17040010018	17.0	40	100	18	○	○
TEX3F18040010018	18.0	40	100	18	○	○
TEX3F19040010020	19.0	40	100	20	○	○
TEX3F20040010020	20.0	40	100	20	○	○
TEX3F22040010025	22.0	40	100	25	○	○
TEX3F25040010025	25.0	40	100	25	○	○

★ WORK MATERAIL 被削材質

TEX

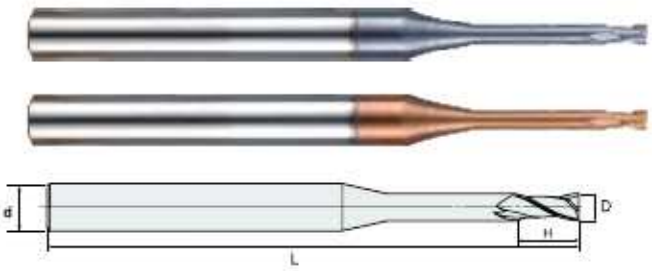
P20 S45C	SCM SK	FC FCD	CU
硬質鋼	合金鋼	鑄鐵	銅合金
•	•	•	•

★ TOLERANCES 公差

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

TEX 2 flutes long neck short flute square end mills

二刃平底深溝銑刀



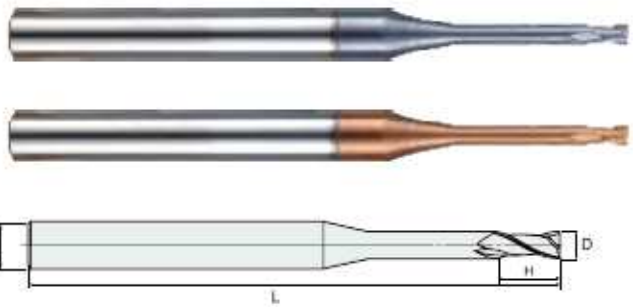


MG | 0.6μm | CO10% | HRC55 | ALDNL

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
TEX2F00200301005004	0.2	0.3	1	50	4	○	○
TEX2F00200302005004	0.2	0.3	2	50	4	○	○
TEX2F00300401005004	0.3	0.4	1	50	4	○	○
TEX2F00300402005004	0.3	0.4	2	50	4	○	○
TEX2F00300403005004	0.3	0.4	3	50	4	○	○
TEX2F00300404005004	0.3	0.4	4	50	4	○	○
TEX2F00300405005004	0.3	0.4	5	50	4	○	○
TEX2F00400501005004	0.4	0.5	1	50	4	○	○
TEX2F00400502005004	0.4	0.5	2	50	4	○	○
TEX2F00400503005004	0.4	0.5	3	50	4	○	○
TEX2F00400504005004	0.4	0.5	4	50	4	○	○
TEX2F00400505005004	0.4	0.5	5	50	4	○	○
TEX2F00400506005004	0.4	0.5	6	50	4	○	○
TEX2F00400508005004	0.4	0.5	8	50	4	○	○
TEX2F00400510005004	0.4	0.5	10	50	4	○	○
TEX2F00500602005004	0.5	0.6	2	50	4	○	○
TEX2F00500603005004	0.5	0.6	3	50	4	○	○
TEX2F00500604005004	0.5	0.6	4	50	4	○	○
TEX2F00500605005004	0.5	0.6	5	50	4	○	○
TEX2F00500606005004	0.5	0.6	6	50	4	○	○
TEX2F00500608005004	0.5	0.6	8	50	4	○	○
TEX2F00500610005004	0.5	0.6	10	50	4	○	○
TEX2F00500612005004	0.5	0.6	12	50	4	○	○
TEX2F00500614005004	0.5	0.6	14	50	4	○	○
TEX2F00600702005004	0.6	0.7	2	50	4	○	○
TEX2F00600703005004	0.6	0.7	3	50	4	○	○
TEX2F00600704005004	0.6	0.7	4	50	4	○	○
TEX2F00600705005004	0.6	0.7	5	50	4	○	○
TEX2F00600706005004	0.6	0.7	6	50	4	○	○
TEX2F00600708005004	0.6	0.7	8	50	4	○	○
TEX2F00600710005004	0.6	0.7	10	50	4	○	○
TEX2F00600712005004	0.6	0.7	12	50	4	○	○
TEX2F00600714005004	0.6	0.7	14	50	4	○	○
TEX2F00600716005004	0.6	0.7	16	50	4	○	○
TEX2F00700802005004	0.7	0.8	2	50	4	○	○
TEX2F00700804005004	0.7	0.8	4	50	4	○	○
TEX2F00700806005004	0.7	0.8	6	50	4	○	○
TEX2F00700808005004	0.7	0.8	8	50	4	○	○
TEX2F00700810005004	0.7	0.8	10	50	4	○	○
TEX2F00700812005004	0.7	0.8	12	50	4	○	○
TEX2F00801002005004	0.8	1.0	2	50	4	○	○
TEX2F00801004005004	0.8	1.0	4	50	4	○	○
TEX2F00801006005004	0.8	1.0	6	50	4	○	○
TEX2F00801008005004	0.8	1.0	8	50	4	○	○
TEX2F00801010005004	0.8	1.0	10	50	4	○	○
TEX2F00801012005004	0.8	1.0	12	50	4	○	○
TEX2F00801014005004	0.8	1.0	14	50	4	○	○
TEX2F00901106005004	0.9	1.1	6	50	4	○	○
TEX2F00901108005004	0.9	1.1	8	50	4	○	○
TEX2F00901110005004	0.9	1.1	10	50	4	○	○
TEX2F01001202005004	1.0	1.2	2	50	4	○	○
TEX2F01001203005004	1.0	1.2	3	50	4	○	○
TEX2F01001204005004	1.0	1.2	4	50	4	○	○
TEX2F01001205005004	1.0	1.2	5	50	4	○	○
TEX2F01001206005004	1.0	1.2	6	50	4	○	○
TEX2F01001208005004	1.0	1.2	8	50	4	○	○
TEX2F01001210005004	1.0	1.2	10	50	4	○	○

TEX 2 flutes long neck short flute square end mills

二刃平底深溝銑刀



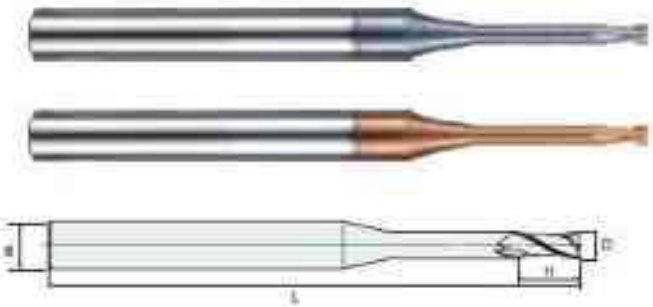


B157

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
TEX2F01001212005004	1.0	1.2	12	50	4	○	○
TEX2F01001214005004	1.0	1.2	14	50	4	○	○
TEX2F01001216005004	1.0	1.2	16	50	4	○	○
TEX2F01001218005004	1.0	1.2	18	50	4	○	○
TEX2F01001220005004	1.0	1.2	20	50	4	○	○
TEX2F01201504005004	1.2	1.5	4	50	4	○	○
TEX2F01201506005004	1.2	1.5	6	50	4	○	○
TEX2F01201508005004	1.2	1.5	8	50	4	○	○
TEX2F01201510005004	1.2	1.5	10	50	4	○	○
TEX2F01201512005004	1.2	1.5	12	50	4	○	○
TEX2F01201516005004	1.2	1.5	16	50	4	○	○
TEX2F01201520005004	1.2	1.5	20	50	4	○	○
TEX2F01401806005004	1.4	1.8	6	50	4	○	○
TEX2F01401808005004	1.4	1.8	8	50	4	○	○
TEX2F01401810005004	1.4	1.8	10	50	4	○	○
TEX2F01401814005004	1.4	1.8	14	50	4	○	○
TEX2F01401816005004	1.4	1.8	16	50	4	○	○
TEX2F01401820005004	1.4	1.8	20	50	4	○	○
TEX2F01501804005004	1.5	1.8	4	50	4	○	○
TEX2F01501806005004	1.5	1.8	6	50	4	○	○
TEX2F01501808005004	1.5	1.8	8	50	4	○	○
TEX2F01501810005004	1.5	1.8	10	50	4	○	○
TEX2F01501812005004	1.5	1.8	12	50	4	○	○
TEX2F01501814005004	1.5	1.8	14	50	4	○	○
TEX2F01501816005004	1.5	1.8	16	50	4	○	○
TEX2F01501818005004	1.5	1.8	18	50	4	○	○
TEX2F01501820005004	1.5	1.8	20	50	4	○	○
TEX2F01601910005004	1.6	1.9	10	50	4	○	○
TEX2F01601914005004	1.6	1.9	14	50	4	○	○
TEX2F01601918005004	1.6	1.9	18	50	4	○	○
TEX2F01802010005004	1.8	2.0	10	50	4	○	○
TEX2F01802014005004	1.8	2.0	14	50	4	○	○
TEX2F01802018005004	1.8	2.0	18	50	4	○	○
TEX2F02002504005004	2.0	2.5	4	50	4	○	○
TEX2F02002506005004	2.0	2.5	6	50	4	○	○
TEX2F02002508005004	2.0	2.5	8	50	4	○	○
TEX2F02002510005004	2.0	2.5	10	50	4	○	○
TEX2F02002512005004	2.0	2.5	12	50	4	○	○
TEX2F02002514005004	2.0	2.5	14	50	4	○	○
TEX2F02002516005004	2.0	2.5	16	50	4	○	○
TEX2F02002518005004	2.0	2.5	18	50	4	○	○
TEX2F02002520005004	2.0	2.5	20	50	4	○	○
TEX2F02002522005004	2.0	2.5	22	50	4	○	○
TEX2F02002525005004	2.0	2.5	25	50	4	○	○
TEX2F02002530005004	2.0	2.5	30	50	4	○	○
TEX2F02002535005004	2.0	2.5	35	50	4	○	○
TEX2F02503008005004	2.5	3.0	8	50	4	○	○
TEX2F02503010005004	2.5	3.0	10	50	4	○	○
TEX2F02503012005004	2.5	3.0	12	50	4	○	○
TEX2F02503016005004	2.5	3.0	16	50	4	○	○
TEX2F02503020005004	2.5	3.0	20	50	4	○	○
TEX2F02503025005004	2.5	3.0	25	50	4	○	○
TEX2F02503030005004	2.5	3.0	30	50	4	○	○
TEX2F02503035005004	2.5	3.0	35	50	4	○	○

TEX 2 flutes long neck short flute square end mills

二刃平底深槽銑刀





Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
						AL	AS
TEX2F0300350900500S	3.0	3.5	8	50	6	○	○
TEX2F0300351000500S	3.0	3.5	10	50	6	○	○
TEX2F0300351200500S	3.0	3.5	12	50	6	○	○
TEX2F0300351600500S	3.0	3.5	16	50	6	○	○
TEX2F0300352000600S	3.0	3.5	20	60	6	○	○
TEX2F0300352500600S	3.0	3.5	25	60	6	○	○
TEX2F0300353000600S	3.0	3.5	30	60	6	○	○
TEX2F0300353500750S	3.0	3.5	35	75	6	○	○
TEX2F0400450800500S	4.0	4.5	8	50	6	○	○
TEX2F0400451000500S	4.0	4.5	10	50	6	○	○
TEX2F0400451200500S	4.0	4.5	12	50	6	○	○
TEX2F0400451600500S	4.0	4.5	16	50	6	○	○
TEX2F0400452000600S	4.0	4.5	20	60	6	○	○
TEX2F0400452500600S	4.0	4.5	25	60	6	○	○
TEX2F0400453000600S	4.0	4.5	30	60	6	○	○
TEX2F0400453500750S	4.0	4.5	35	75	6	○	○
TEX2F0500701600500S	5.0	7.0	16	50	6	○	○
TEX2F0500702000600S	5.0	7.0	20	60	6	○	○
TEX2F0500702500600S	5.0	7.0	25	60	6	○	○
TEX2F0500703000600S	5.0	7.0	30	60	6	○	○
TEX2F0500703500750S	5.0	7.0	35	75	6	○	○
TEX2F0600802000600S	6.0	10.0	20	60	6	○	○
TEX2F0600803000750S	6.0	10.0	30	75	6	○	○
TEX2F0801502000600S	8.0	15.0	20	60	8	○	○
TEX2F0801503000750S	8.0	15.0	30	75	8	○	○
TEX2F0801504001000S	8.0	15.0	40	100	8	○	○
TEX2F1002002507501O	10.0	20.0	25	75	10	○	○
TEX2F1002003507501O	10.0	20.0	35	75	10	○	○
TEX2F1002004501001O	10.0	20.0	45	100	10	○	○
TEX2F1202503007501Z	12.0	25.0	30	75	12	○	○
TEX2F1202504001001Z	12.0	25.0	40	100	12	○	○
TEX2F1202505001001Z	12.0	25.0	50	100	12	○	○

★ WORK MATERAIL 被削材質

TEX

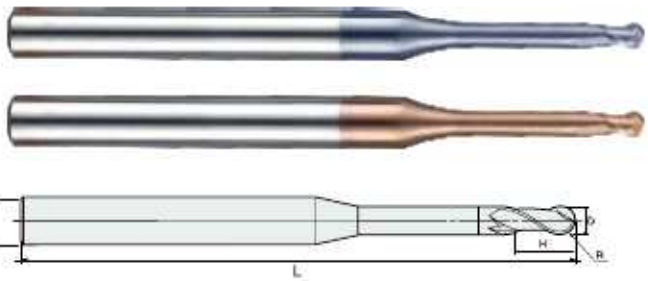
P20 S45C	SCM 6K	FC FCD	CU	304
碳素鋼	合金鋼	鑄鐵	銅合金	不銹鋼
●	●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃徑範圍	Blade diameter tolerance 刃徑容許公差
Φ	0—0.02

TEX 2 flutes long neck short flute ball nose end mills

二刃深溝球頭銑刀





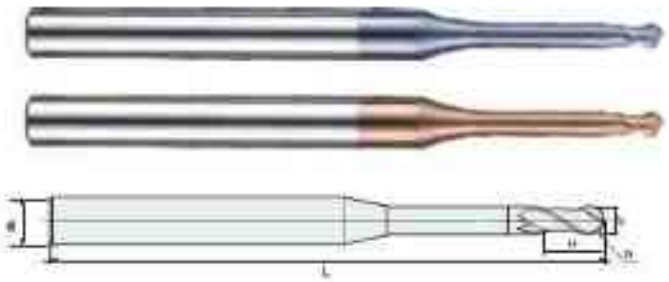


B159

Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
							AL	AS
TEX2FR01500301005004	0.15R	0.3	0.3	1	50	4	○	○
TEX2FR01500302005004	0.15R	0.3	0.3	2	50	4	○	○
TEX2FR01500303005004	0.15R	0.3	0.3	3	50	4	○	○
TEX2FR02000401005004	0.20R	0.4	0.4	1	50	4	○	○
TEX2FR02000402005004	0.20R	0.4	0.4	2	50	4	○	○
TEX2FR02000403005004	0.20R	0.4	0.4	3	50	4	○	○
TEX2FR02000404005004	0.20R	0.4	0.4	4	50	4	○	○
TEX2FR02000405005004	0.20R	0.4	0.4	5	50	4	○	○
TEX2FR02000406005004	0.20R	0.4	0.4	6	50	4	○	○
TEX2FR02000408005004	0.20R	0.4	0.4	8	50	4	○	○
TEX2FR02500501005004	0.25R	0.5	0.5	1	50	4	○	○
TEX2FR02500502005004	0.25R	0.5	0.5	2	50	4	○	○
TEX2FR02500503005004	0.25R	0.5	0.5	3	50	4	○	○
TEX2FR02500504005004	0.25R	0.5	0.5	4	50	4	○	○
TEX2FR02500505005004	0.25R	0.5	0.5	5	50	4	○	○
TEX2FR02500506005004	0.25R	0.5	0.5	6	50	4	○	○
TEX2FR02500508005004	0.25R	0.5	0.5	8	50	4	○	○
TEX2FR02500510005004	0.25R	0.5	0.5	10	50	4	○	○
TEX2FR03000601005004	0.30R	0.6	0.6	1	50	4	○	○
TEX2FR03000602005004	0.30R	0.6	0.6	2	50	4	○	○
TEX2FR03000603005004	0.30R	0.6	0.6	3	50	4	○	○
TEX2FR03000604005004	0.30R	0.6	0.6	4	50	4	○	○
TEX2FR03000605005004	0.30R	0.6	0.6	5	50	4	○	○
TEX2FR03000606005004	0.30R	0.6	0.6	6	50	4	○	○
TEX2FR03000608005004	0.30R	0.6	0.6	8	50	4	○	○
TEX2FR03000610005004	0.30R	0.6	0.6	10	50	4	○	○
TEX2FR03000612005004	0.30R	0.6	0.6	12	50	4	○	○
TEX2FR03500702005004	0.35R	0.7	0.7	2	50	4	○	○
TEX2FR03500704005004	0.35R	0.7	0.7	4	50	4	○	○
TEX2FR03500708005004	0.35R	0.7	0.7	8	50	4	○	○
TEX2FR03500710005004	0.35R	0.7	0.7	10	50	4	○	○
TEX2FR03500712005004	0.35R	0.7	0.7	12	50	4	○	○
TEX2FR04000802005004	0.40R	0.8	0.8	2	50	4	○	○
TEX2FR04000804005004	0.40R	0.8	0.8	4	50	4	○	○
TEX2FR04000806005004	0.40R	0.8	0.8	6	50	4	○	○
TEX2FR04000808005004	0.40R	0.8	0.8	8	50	4	○	○
TEX2FR04000810005004	0.40R	0.8	0.8	10	50	4	○	○
TEX2FR04000812005004	0.40R	0.8	0.8	12	50	4	○	○
TEX2FR04500904005004	0.45R	0.9	0.9	4	50	4	○	○
TEX2FR05001002005004	0.50R	1.0	1.0	2	50	4	○	○
TEX2FR05001003005004	0.50R	1.0	1.0	3	50	4	○	○
TEX2FR05001004005004	0.50R	1.0	1.0	4	50	4	○	○
TEX2FR05001005005004	0.50R	1.0	1.0	5	50	4	○	○
TEX2FR05001006005004	0.50R	1.0	1.0	6	50	4	○	○
TEX2FR05001008005004	0.50R	1.0	1.0	8	50	4	○	○
TEX2FR05001010005004	0.50R	1.0	1.0	10	50	4	○	○
TEX2FR05001012005004	0.50R	1.0	1.0	12	50	4	○	○
TEX2FR05001014005004	0.50R	1.0	1.0	14	50	4	○	○
TEX2FR05001016005004	0.50R	1.0	1.0	16	50	4	○	○
TEX2FR05001018005004	0.50R	1.0	1.0	18	50	4	○	○
TEX2FR05001020005004	0.50R	1.0	1.0	20	50	4	○	○
TEX2FR05001022005004	0.50R	1.0	1.0	22	50	4	○	○

TEX 2 flutes long neck short flute ball nose end mills

二刃深槽球鼻铣刀



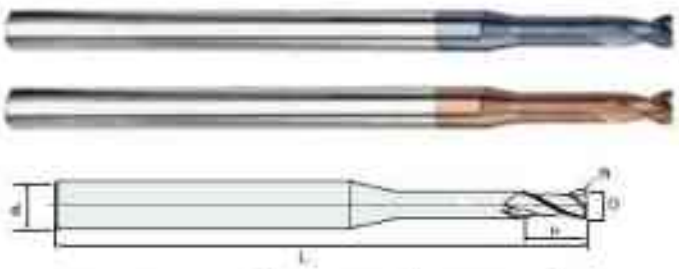




Product Code 产品编号	Radius 半径	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存	
							AL	AS
TEX2FR06012045004	0.60R	1.2	1.2	4	50	4	O	O
TEX2FR06012065004	0.60R	1.2	1.2	6	50	4	O	O
TEX2FR06012085004	0.60R	1.2	1.2	8	50	4	O	O
TEX2FR06012105004	0.60R	1.2	1.2	10	50	4	O	O
TEX2FR06012125004	0.60R	1.2	1.2	12	50	4	O	O
TEX2FR06012165004	0.60R	1.2	1.2	16	50	4	O	O
TEX2FR06012205004	0.60R	1.2	1.2	20	50	4	O	O
TEX2FR06012245004	0.60R	1.2	1.2	24	50	4	O	O
TEX2FR07014065004	0.70R	1.4	1.4	6	50	4	O	O
TEX2FR07014085004	0.70R	1.4	1.4	8	50	4	O	O
TEX2FR07014125004	0.70R	1.4	1.4	12	50	4	O	O
TEX2FR07014165004	0.70R	1.4	1.4	16	50	4	O	O
TEX2FR07515035004	0.75R	1.5	1.5	3	50	4	O	O
TEX2FR07515045004	0.75R	1.5	1.5	4	50	4	O	O
TEX2FR07515065004	0.75R	1.5	1.5	6	50	4	O	O
TEX2FR07515085004	0.75R	1.5	1.5	8	50	4	O	O
TEX2FR07515105004	0.75R	1.5	1.5	10	50	4	O	O
TEX2FR07515125004	0.75R	1.5	1.5	12	50	4	O	O
TEX2FR07515145004	0.75R	1.5	1.5	14	50	4	O	O
TEX2FR07515165004	0.75R	1.5	1.5	16	50	4	O	O
TEX2FR07515185004	0.75R	1.5	1.5	18	50	4	O	O
TEX2FR07515205004	0.75R	1.5	1.5	20	50	4	O	O
TEX2FR07515225004	0.75R	1.5	1.5	22	50	4	O	O
TEX2FR07515255004	0.75R	1.5	1.5	25	50	4	O	O
TEX2FR07515305004	0.75R	1.5	1.5	30	50	4	O	O
TEX2FR08016065004	0.80R	1.6	1.6	6	50	4	O	O
TEX2FR08016085004	0.80R	1.6	1.6	8	50	4	O	O
TEX2FR08016125004	0.80R	1.6	1.6	12	50	4	O	O
TEX2FR08016165004	0.80R	1.6	1.6	16	50	4	O	O
TEX2FR08016205004	0.80R	1.6	1.6	20	50	4	O	O
TEX2FR09018065004	0.90R	1.8	1.8	6	50	4	O	O
TEX2FR09018085004	0.90R	1.8	1.8	8	50	4	O	O
TEX2FR09018125004	0.90R	1.8	1.8	12	50	4	O	O
TEX2FR09018165004	0.90R	1.8	1.8	16	50	4	O	O
TEX2FR09018205004	0.90R	1.8	1.8	20	50	4	O	O
TEX2FR10020045004	1.00R	2.0	2.0	4	50	4	O	O
TEX2FR10020065004	1.00R	2.0	2.0	6	50	4	O	O
TEX2FR10020085004	1.00R	2.0	2.0	8	50	4	O	O
TEX2FR10020105004	1.00R	2.0	2.0	10	50	4	O	O
TEX2FR10020125004	1.00R	2.0	2.0	12	50	4	O	O
TEX2FR10020145004	1.00R	2.0	2.0	14	50	4	O	O
TEX2FR10020165004	1.00R	2.0	2.0	16	50	4	O	O
TEX2FR10020185004	1.00R	2.0	2.0	18	50	4	O	O
TEX2FR10020205004	1.00R	2.0	2.0	20	50	4	O	O
TEX2FR10020225004	1.00R	2.0	2.0	22	50	4	O	O
TEX2FR10020255004	1.00R	2.0	2.0	25	50	4	O	O
TEX2FR12525085004	1.25R	2.5	2.5	8	50	4	O	O
TEX2FR12525105004	1.25R	2.5	2.5	10	50	4	O	O
TEX2FR12525185004	1.25R	2.5	2.5	18	50	4	O	O
TEX2FR12525205004	1.25R	2.5	2.5	20	50	4	O	O
TEX2FR12525255004	1.25R	2.5	2.5	25	50	4	O	O
TEX2FR12525305004	1.25R	2.5	2.5	30	50	4	O	O

TEX 2 flutes long neck short flute corner radius end mills

二刃长颈短刃圆鼻铣刀



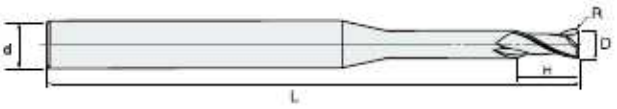


Product Code 产品编号	Blade diameter 刃径	Corner radius 刃角	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存 AL	Inventory 库存 AS
TEX010R0010100405004	1.0	0.1R	1.0	4	50	4	O	O
TEX010R0010100605004	1.0	0.1R	1.0	6	50	4	O	O
TEX010R0010100805004	1.0	0.1R	1.0	8	50	4	O	O
TEX010R0010101005004	1.0	0.1R	1.0	10	50	4	O	O
TEX010R0010101205004	1.0	0.1R	1.0	12	50	4	O	O
TEX010R0020100405004	1.0	0.2R	1.0	4	50	4	O	O
TEX010R0020100605004	1.0	0.2R	1.0	6	50	4	O	O
TEX010R0020100805004	1.0	0.2R	1.0	8	50	4	O	O
TEX010R0020101005004	1.0	0.2R	1.0	10	50	4	O	O
TEX010R0020101205004	1.0	0.2R	1.0	12	50	4	O	O
TEX010R0030100405004	1.0	0.3R	1.0	4	50	4	O	O
TEX010R0030100605004	1.0	0.3R	1.0	6	50	4	O	O
TEX010R0030100805004	1.0	0.3R	1.0	8	50	4	O	O
TEX010R0030101005004	1.0	0.3R	1.0	10	50	4	O	O
TEX010R0030101205004	1.0	0.3R	1.0	12	50	4	O	O
TEX012R0010120405004	1.2	0.1R	1.2	4	50	4	O	O
TEX012R0010120605004	1.2	0.1R	1.2	6	50	4	O	O
TEX012R0010120805004	1.2	0.1R	1.2	8	50	4	O	O
TEX012R0010121005004	1.2	0.1R	1.2	10	50	4	O	O
TEX012R0010121205004	1.2	0.1R	1.2	12	50	4	O	O
TEX012R0020120405004	1.2	0.2R	1.2	4	50	4	O	O
TEX012R0020120605004	1.2	0.2R	1.2	6	50	4	O	O
TEX012R0020120805004	1.2	0.2R	1.2	8	50	4	O	O
TEX012R0020121005004	1.2	0.2R	1.2	10	50	4	O	O
TEX012R0020121205004	1.2	0.2R	1.2	12	50	4	O	O
TEX012R0030120405004	1.2	0.3R	1.2	4	50	4	O	O
TEX012R0030120605004	1.2	0.3R	1.2	6	50	4	O	O
TEX012R0030120805004	1.2	0.3R	1.2	8	50	4	O	O
TEX012R0030121005004	1.2	0.3R	1.2	10	50	4	O	O
TEX012R0030121205004	1.2	0.3R	1.2	12	50	4	O	O
TEX015R0010150605004	1.5	0.1R	1.5	6	50	4	O	O
TEX015R0010150805004	1.5	0.1R	1.5	8	50	4	O	O
TEX015R0010151005004	1.5	0.1R	1.5	10	50	4	O	O
TEX015R0010151205004	1.5	0.1R	1.5	12	50	4	O	O
TEX015R0010151605004	1.5	0.1R	1.5	16	50	4	O	O
TEX015R0020150605004	1.5	0.2R	1.5	6	50	4	O	O
TEX015R0020150805004	1.5	0.2R	1.5	8	50	4	O	O
TEX015R0020151005004	1.5	0.2R	1.5	10	50	4	O	O
TEX015R0020151205004	1.5	0.2R	1.5	12	50	4	O	O
TEX015R0020151605004	1.5	0.2R	1.5	16	50	4	O	O
TEX015R0030150605004	1.5	0.3R	1.5	6	50	4	O	O
TEX015R0030150805004	1.5	0.3R	1.5	8	50	4	O	O
TEX015R0030151005004	1.5	0.3R	1.5	10	50	4	O	O
TEX015R0030151205004	1.5	0.3R	1.5	12	50	4	O	O
TEX015R0030151605004	1.5	0.3R	1.5	16	50	4	O	O
TEX015R0050150605004	1.5	0.5R	1.5	6	50	4	O	O
TEX015R0050150805004	1.5	0.5R	1.5	8	50	4	O	O
TEX015R0050151005004	1.5	0.5R	1.5	10	50	4	O	O
TEX015R0050151205004	1.5	0.5R	1.5	12	50	4	O	O
TEX015R0050151605004	1.5	0.5R	1.5	16	50	4	O	O
TEX020R0010200605004	2.0	0.1R	2.0	6	50	4	O	O
TEX020R0010200805004	2.0	0.1R	2.0	8	50	4	O	O
TEX020R0010201005004	2.0	0.1R	2.0	10	50	4	O	O
TEX020R0010201205004	2.0	0.1R	2.0	12	50	4	O	O
TEX020R0010201605004	2.0	0.1R	2.0	16	50	4	O	O
TEX020R0010202005004	2.0	0.1R	2.0	20	60	4	O	O
TEX020R0010202505004	2.0	0.1R	2.0	25	60	4	O	O

TEX 2 flutes long neck short flute corner radius end mills

二刃淑清頸鼻銑刀







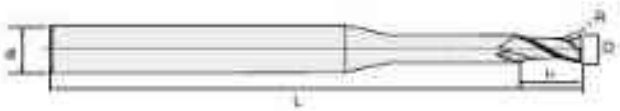
B162

Product Code 產品編號	Blade diameter 刃徑	Corner radius R角	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存	
							AL	AS
TEX20R02065004	2.0	0.2R	2.0	6	50	4	○	○
TEX20R02085004	2.0	0.2R	2.0	8	50	4	○	○
TEX20R02105004	2.0	0.2R	2.0	10	50	4	○	○
TEX20R02125004	2.0	0.2R	2.0	12	50	4	○	○
TEX20R02165004	2.0	0.2R	2.0	16	50	4	○	○
TEX20R02205004	2.0	0.2R	2.0	20	50	4	○	○
TEX20R02256004	2.0	0.2R	2.0	25	60	4	○	○
TEX20R03065004	2.0	0.3R	2.0	6	50	4	○	○
TEX20R03085004	2.0	0.3R	2.0	8	50	4	○	○
TEX20R03105004	2.0	0.3R	2.0	10	50	4	○	○
TEX20R03125004	2.0	0.3R	2.0	12	50	4	○	○
TEX20R03165004	2.0	0.3R	2.0	16	50	4	○	○
TEX20R03205004	2.0	0.3R	2.0	20	50	4	○	○
TEX20R03256004	2.0	0.3R	2.0	25	60	4	○	○
TEX20R05065004	2.0	0.5R	2.0	6	50	4	○	○
TEX20R05085004	2.0	0.5R	2.0	8	50	4	○	○
TEX20R05105004	2.0	0.5R	2.0	10	50	4	○	○
TEX20R05125004	2.0	0.5R	2.0	12	50	4	○	○
TEX20R05165004	2.0	0.5R	2.0	16	50	4	○	○
TEX20R05205004	2.0	0.5R	2.0	20	50	4	○	○
TEX20R05256004	2.0	0.5R	2.0	25	60	4	○	○
TEX25R01105004	2.5	0.1R	2.5	10	50	4	○	○
TEX25R01165004	2.5	0.1R	2.5	16	50	4	○	○
TEX25R01205004	2.5	0.1R	2.5	20	50	4	○	○
TEX25R01256004	2.5	0.1R	2.5	25	60	4	○	○
TEX25R02105004	2.5	0.2R	2.5	10	50	4	○	○
TEX25R02165004	2.5	0.2R	2.5	16	50	4	○	○
TEX25R02205004	2.5	0.2R	2.5	20	50	4	○	○
TEX25R02256004	2.5	0.2R	2.5	25	60	4	○	○
TEX25R03105004	2.5	0.3R	2.5	10	50	4	○	○
TEX25R03165004	2.5	0.3R	2.5	16	50	4	○	○
TEX25R03205004	2.5	0.3R	2.5	20	50	4	○	○
TEX25R03256004	2.5	0.3R	2.5	25	60	4	○	○
TEX25R05105004	2.5	0.5R	2.5	10	50	4	○	○
TEX25R05165004	2.5	0.5R	2.5	16	50	4	○	○
TEX25R05205004	2.5	0.5R	2.5	20	50	4	○	○
TEX25R05255004	2.5	0.5R	2.5	25	60	4	○	○
TEX30R01105006	3.0	0.1R	3.0	10	50	6	○	○
TEX30R01166006	3.0	0.1R	3.0	16	60	6	○	○
TEX30R01206006	3.0	0.1R	3.0	20	60	6	○	○
TEX30R01256006	3.0	0.1R	3.0	25	60	6	○	○
TEX30R01307506	3.0	0.1R	3.0	30	75	6	○	○
TEX30R01357506	3.0	0.1R	3.0	35	75	6	○	○
TEX30R02105006	3.0	0.2R	3.0	10	50	6	○	○
TEX30R02166006	3.0	0.2R	3.0	16	60	6	○	○
TEX30R02206006	3.0	0.2R	3.0	20	60	6	○	○
TEX30R02256006	3.0	0.2R	3.0	25	60	6	○	○
TEX30R02307506	3.0	0.2R	3.0	30	75	6	○	○
TEX30R02357506	3.0	0.2R	3.0	35	75	6	○	○
TEX30R03105006	3.0	0.3R	3.0	10	50	6	○	○
TEX30R03166006	3.0	0.3R	3.0	16	60	6	○	○
TEX30R03206006	3.0	0.3R	3.0	20	60	6	○	○
TEX30R03256006	3.0	0.3R	3.0	25	60	6	○	○
TEX30R03307506	3.0	0.3R	3.0	30	75	6	○	○
TEX30R03357506	3.0	0.3R	3.0	35	75	6	○	○

TEX 2 flutes long neck short flute corner radius end mills

二刃长颈短刃圆鼻铣刀







B163

Product Code 产品编号	Blade diameter 刃径	Corner radius R角	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存 AL	Inventory 库存 AS
TEX30R05105006	3.0	0.5R	3.0	10	50	6	O	O
TEX30R05106006	3.0	0.5R	3.0	16	60	6	O	O
TEX30R05206006	3.0	0.5R	3.0	20	60	6	O	O
TEX30R05256006	3.0	0.5R	3.0	25	60	6	O	O
TEX30R05307506	3.0	0.5R	3.0	30	75	6	O	O
TEX30R05357506	3.0	0.5R	3.0	35	75	6	O	O
TEX30R10105006	3.0	1.0R	3.0	10	50	6	O	O
TEX30R10166006	3.0	1.0R	3.0	16	60	6	O	O
TEX30R10206006	3.0	1.0R	3.0	20	60	6	O	O
TEX30R10256006	3.0	1.0R	3.0	25	60	6	O	O
TEX30R10307506	3.0	1.0R	3.0	30	75	6	O	O
TEX30R10357506	3.0	1.0R	3.0	35	75	6	O	O
TEX40R01135006	4.0	0.1R	4.0	13	50	6	O	O
TEX40R01166006	4.0	0.1R	4.0	16	60	6	O	O
TEX40R01206006	4.0	0.1R	4.0	20	60	6	O	O
TEX40R01256006	4.0	0.1R	4.0	25	60	6	O	O
TEX40R01307506	4.0	0.1R	4.0	30	75	6	O	O
TEX40R01357506	4.0	0.1R	4.0	35	75	6	O	O
TEX40R02135006	4.0	0.2R	4.0	13	50	6	O	O
TEX40R02166006	4.0	0.2R	4.0	16	60	6	O	O
TEX40R02206006	4.0	0.2R	4.0	20	60	6	O	O
TEX40R02256006	4.0	0.2R	4.0	25	60	6	O	O
TEX40R02307506	4.0	0.2R	4.0	30	75	6	O	O
TEX40R02357506	4.0	0.2R	4.0	35	75	6	O	O
TEX40R03135006	4.0	0.3R	4.0	13	50	6	O	O
TEX40R03166006	4.0	0.3R	4.0	16	60	6	O	O
TEX40R03206006	4.0	0.3R	4.0	20	60	6	O	O
TEX40R03256006	4.0	0.3R	4.0	25	60	6	O	O
TEX40R03307506	4.0	0.3R	4.0	30	75	6	O	O
TEX40R03357506	4.0	0.3R	4.0	35	75	6	O	O
TEX40R05135006	4.0	0.5R	4.0	13	50	6	O	O
TEX40R05166006	4.0	0.5R	4.0	16	60	6	O	O
TEX40R05206006	4.0	0.5R	4.0	20	60	6	O	O
TEX40R05256006	4.0	0.5R	4.0	25	60	6	O	O
TEX40R05307506	4.0	0.5R	4.0	30	75	6	O	O
TEX40R05357506	4.0	0.5R	4.0	35	75	6	O	O
TEX40R10135006	4.0	1.0R	4.0	13	50	6	O	O
TEX40R10166006	4.0	1.0R	4.0	16	60	6	O	O
TEX40R10206006	4.0	1.0R	4.0	20	60	6	O	O
TEX40R10256006	4.0	1.0R	4.0	25	60	6	O	O
TEX40R10307506	4.0	1.0R	4.0	30	75	6	O	O
TEX40R10357506	4.0	1.0R	4.0	35	75	6	O	O
TEX50R01166006	5.0	0.1R	5.0	16	60	6	O	O
TEX50R01306006	5.0	0.1R	5.0	30	60	6	O	O
TEX50R02166006	5.0	0.2R	5.0	16	60	6	O	O
TEX50R02306006	5.0	0.2R	5.0	30	60	6	O	O
TEX50R03166006	5.0	0.3R	5.0	16	60	6	O	O
TEX50R03306006	5.0	0.3R	5.0	30	60	6	O	O
TEX50R05166006	5.0	0.5R	5.0	16	60	6	O	O
TEX50R05306006	5.0	0.5R	5.0	30	60	6	O	O
TEX50R10166006	5.0	1.0R	5.0	16	60	6	O	O
TEX50R10306006	5.0	1.0R	5.0	30	60	6	O	O

HEX

FOR HARDEND CUTTING

AS- High Speed Hardened Coated End Mill (Bronze) HRC65

AS-高速淬硬立铣刀（古铜色）HRC65度

Micro Diameter End Mill (Minimum Diameter0.05mm)



TUNGSTEN CARBIDE

www.dohretool.cn

HEX 6 flutes square end mills

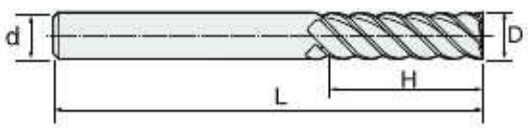
6刃立铣刀

B165









Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
HEX6F04001105006	4.0	11	50	6	O
HEX6F05001305006	5.0	13	50	6	O
HEX6F06001505006	6.0	15	50	6	O
HEX6F08002006008	8.0	20	60	8	O
HEX6F10002507510	10.0	25	75	10	O
HEX6F12003007512	12.0	30	75	12	O
HEX6F16004010016	16.0	40	100	16	O
HEX6F20004010020	20.0	40	100	20	O
HEX6F25004510025	25.0	45	100	25	O

★ WORK MATERAIL 被削材质

HEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

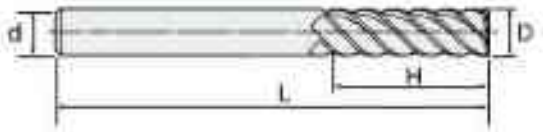
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ4.0~Φ6.4	-0.01~-0.03	H6
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

Order code: HEX 6F 040 011 050 06 AS
訂貨編號: D H L d HRC65

HEX Long flute 6 flutes square end mills

高刃型6刃立铣刀





Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
HEX6F04001607506	4.0	16	75	6	○
HEX6F05002007506	5.0	20	75	6	○
HEX6F06002507506	6.0	25	75	6	○
HEX6F08003007508	8.0	30	75	8	○
HEX6F04002010006	4.0	20	100	6	○
HEX6F05002510006	5.0	25	100	6	○
HEX6F06003010006	6.0	30	100	6	○
HEX6F08003510008	8.0	35	100	8	○
HEX6F10004010010	10.0	40	100	10	○
HEX6F12004510012	12.0	45	100	12	○
HEX6F08005015008	8.0	50	150	8	○
HEX6F10005015010	10.0	50	150	10	○
HEX6F12005015012	12.0	50	150	12	○
HEX6F16007015016	16.0	70	150	16	○
HEX6F20007015020	20.0	70	150	20	○
HEX6F25008015025	25.0	80	150	25	○

☆ WORK MATERAIL 被削材质

HEX

P20 S45C 模具钢	SCM SK 合金钢	SKT SKD 冷锻模具钢	S316 合锻不锈钢
●	●	●	●

☆ TOLERANCES 公差

Blade diameter 刃径基数	Blade diameter tolerance 刃径基数公差	Shank diameter tolerance 柄径基数公差
Φ4.0~Φ6.4	-0.01~-0.03	H6
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

HEX 2 flutes square end mills

2刃立銑刀





B167

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
HEX2F01003005004	1.0	3	50	4	O
HEX2F01504005004	1.5	4	50	4	O
HEX2F02006005004	2.0	6	50	4	O
HEX2F02507005004	2.5	7	50	4	O
HEX2F03008005004	3.0	8	50	4	O
HEX2F03510005004	3.5	10	50	4	O
HEX2F04011005004	4.0	11	50	4	O
HEX2F01003005006	1.0	3	50	6	O
HEX2F01504005006	1.5	4	50	6	O
HEX2F02006005006	2.0	6	50	6	O
HEX2F02507005006	2.5	7	50	6	O
HEX2F03008005006	3.0	8	50	6	O
HEX2F03510005006	3.5	10	50	6	O
HEX2F04011005006	4.0	11	50	6	O
HEX2F04513005006	4.5	13	50	6	O
HEX2F05013005006	5.0	13	50	6	O
HEX2F05513005006	5.5	13	50	6	O
HEX2F06015005006	6.0	15	50	6	O
HEX2F06617006008	6.5	17	60	8	O
HEX2F07017006008	7.0	17	60	8	O
HEX2F07517006008	7.5	17	60	8	O
HEX2F08020006008	8.0	20	60	8	O
HEX2F08523007510	8.5	23	75	10	O
HEX2F09023007510	9.0	23	75	10	O
HEX2F09525007510	9.5	25	75	10	O
HEX2F10025007510	10.0	25	75	10	O
HEX2F10525007512	10.5	25	75	12	O
HEX2F11028007512	11.0	28	75	12	O
HEX2F11528007512	11.5	28	75	12	O
HEX2F12030007512	12.0	30	75	12	O
HEX2F13040010014	13.0	40	100	14	O
HEX2F14040010014	14.0	40	100	14	O
HEX2F15040010016	15.0	40	100	16	O
HEX2F16040010016	16.0	40	100	16	O
HEX2F17040010018	17.0	40	100	18	O
HEX2F18040010018	18.0	40	100	18	O
HEX2F19040010020	19.0	40	100	20	O
HEX2F20040010020	20.0	40	100	20	O
HEX2F22040010025	22.0	40	100	25	O
HEX2F25040010025	25.0	40	100	25	O

★ WORK MATERAIL 被削材質

HEX

P20 S45C 機械鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
•	•	•	•

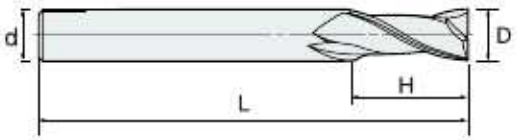
★ TOLERANCES 公差

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

HEX Long shank 2 flutes square end mills

長柄標準刃 2刃立銑刀









B168

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
HEX2F01003007504	1.0	3	75	4	○
HEX2F01504507504	1.5	4.5	75	4	○
HEX2F02006007504	2.0	6	75	4	○
HEX2F02507007504	2.5	7	75	4	○
HEX2F03008007504	3.0	8	75	4	○
HEX2F03510007504	3.5	10	75	4	○
HEX2F04011007504	4.0	11	75	4	○
HEX2F04513007506	4.5	13	75	6	○
HEX2F05013007506	5.0	13	75	6	○
HEX2F05513007506	5.5	13	75	6	○
HEX2F06015007506	6.0	15	75	6	○
HEX2F06517007508	6.5	17	75	8	○
HEX2F07017007508	7.0	17	75	8	○
HEX2F07517007508	7.5	17	75	8	○
HEX2F08020007508	8.0	20	75	8	○
HEX2F03008010006	3.0	8	100	6	○
HEX2F04011010006	4.0	11	100	6	○
HEX2F05013010006	5.0	13	100	6	○
HEX2F06015010006	6.0	15	100	6	○
HEX2F07017010008	7.0	17	100	8	○
HEX2F08020010008	8.0	20	100	8	○
HEX2F09023010010	9.0	23	100	10	○
HEX2F10025010010	10.0	25	100	10	○
HEX2F11028010012	11.0	28	100	12	○
HEX2F12030010012	12.0	30	100	12	○
HEX2F08020015008	8.0	20	150	8	○
HEX2F10025015010	10.0	25	150	10	○
HEX2F12030015012	12.0	30	150	12	○
HEX2F16030015016	16.0	30	150	16	○
HEX2F18040015018	18.0	40	150	18	○
HEX2F20040015020	20.0	40	150	20	○
HEX2F16040020016	16.0	40	200	16	○
HEX2F20040020020	20.0	40	200	20	○

★ WORK MATERAIL 被削材质

HEX

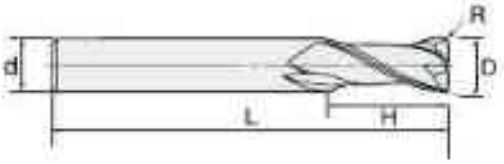
P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

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

HEX 2 flutes corner radius end mills







Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory
HEX2F010R0203005004	1.0	0.2	3	50	4	O
HEX2F015R0204005004	1.5	0.2	4	50	4	O
HEX2F015R0504005004	1.5	0.5	4	50	4	O
HEX2F020R0208005004	2.0	0.2	5	50	4	O
HEX2F020R0506005004	2.0	0.5	6	50	4	O
HEX2F025R0208005004	2.5	0.2	8	50	4	O
HEX2F025R0508005004	2.5	0.5	8	50	4	O
HEX2F030R0208005004	3.0	0.2	8	50	4	O
HEX2F030R0508005004	3.0	0.5	8	50	4	O
HEX2F030R1008005004	3.0	1.0	8	50	4	O
HEX2F040R0211005004	4.0	0.2	11	50	4	O
HEX2F040R0511005004	4.0	0.5	11	50	4	O
HEX2F040R1011005004	4.0	1.0	11	50	4	O
HEX2F050R0513005006	5.0	0.5	13	50	6	O
HEX2F050R1013005006	5.0	1.0	13	50	6	O
HEX2F060R0215005006	6.0	0.2	15	50	6	O
HEX2F060R0515005006	6.0	0.5	15	50	6	O
HEX2F060R1015005006	6.0	1.0	15	50	6	O
HEX2F060R1515005006	6.0	1.5	15	50	6	O
HEX2F060R2015005006	6.0	2.0	15	50	6	O
HEX2F080R0520006008	8.0	0.5	20	60	8	O
HEX2F080R1020006008	8.0	1.0	20	60	8	O
HEX2F080R1520006008	8.0	1.5	20	60	8	O
HEX2F080R2020006008	8.0	2.0	20	60	8	O
HEX2F100R0525007510	10.0	0.5	25	75	10	O
HEX2F100R1025007510	10.0	1.0	25	75	10	O
HEX2F100R1525007510	10.0	1.5	25	75	10	O
HEX2F100R2025007510	10.0	2.0	25	75	10	O
HEX2F100R2525007510	10.0	2.5	25	75	10	O
HEX2F100R3030007510	10.0	3.0	25	75	10	O
HEX2F120R0530007512	12.0	0.5	30	75	12	O
HEX2F120R1030007512	12.0	1.0	30	75	12	O
HEX2F120R1530007512	12.0	1.5	30	75	12	O
HEX2F120R2030007512	12.0	2.0	30	75	12	O
HEX2F120R2530007512	12.0	2.5	30	75	12	O
HEX2F120R3030007512	12.0	3.0	30	75	12	O

★ WORK MATERAIL

HEX

P20 S45C	SCM SK	SKT SKD	S316
•	•	•	•

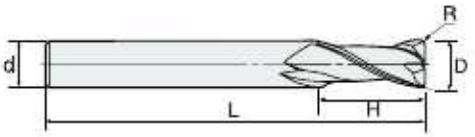
★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

HEX Long shank 2 flutes corner radius end mills

長柄圓鼻 2刃立銑刀









B170

Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
HEX2F010R0203007504	1.0	0.2	3	75	4	O
HEX2F015R0204007504	1.5	0.2	4	75	4	O
HEX2F015R0504007504	1.5	0.5	4	75	4	O
HEX2F020R0206007504	2.0	0.2	6	75	4	O
HEX2F020R0506007504	2.0	0.5	6	75	4	O
HEX2F025R0208007504	2.5	0.2	8	75	4	O
HEX2F025R0508007504	2.5	0.5	8	75	4	O
HEX2F030R0208007504	3.0	0.2	8	75	4	O
HEX2F030R0508007504	3.0	0.5	8	75	4	O
HEX2F030R1008007504	3.0	1.0	8	75	4	O
HEX2F040R0211007504	4.0	0.2	11	75	4	O
HEX2F040R0511007504	4.0	0.5	11	75	4	O
HEX2F040R1011007504	4.0	1.0	11	75	4	O
HEX2F050R0511007506	5.0	0.5	11	75	6	O
HEX2F050R1013007506	5.0	1.0	13	75	6	O
HEX2F060R0215007506	6.0	0.2	15	75	6	O
HEX2F060R0515007506	6.0	0.5	15	75	6	O
HEX2F060R1015007506	6.0	1.0	15	75	6	O
HEX2F060R1515007506	6.0	1.5	15	75	6	O
HEX2F060R2015007506	6.0	2.0	15	75	6	O
HEX2F080R0520007508	8.0	0.5	20	75	8	O
HEX2F080R1020007508	8.0	1.0	20	75	8	O
HEX2F080R1520007508	8.0	1.5	20	75	8	O
HEX2F080R2020007508	8.0	2.0	20	75	8	O
HEX2F040R0211010006	4.0	0.2	11	100	6	O
HEX2F040R0511010006	4.0	0.5	11	100	6	O
HEX2F040R1011010006	4.0	1.0	11	100	6	O
HEX2F050R0513010006	5.0	0.5	13	100	6	O
HEX2F050R1013010006	5.0	1.0	13	100	6	O
HEX2F060R0215010006	6.0	0.2	15	100	6	O
HEX2F060R0515010006	6.0	0.5	15	100	6	O
HEX2F060R1015010006	6.0	1.0	15	100	6	O
HEX2F060R1515010006	6.0	1.5	15	100	6	O
HEX2F060R2015010006	6.0	2.0	15	100	6	O
HEX2F080R0520010008	8.0	0.5	20	100	8	O
HEX2F080R1020010008	8.0	1.0	20	100	8	O
HEX2F080R1520010008	8.0	1.5	20	100	8	O
HEX2F080R2020010008	8.0	2.0	20	100	8	O
HEX2F100R0525010010	10.0	0.5	25	100	10	O
HEX2F100R1025010010	10.0	1.0	25	100	10	O
HEX2F100R1525010010	10.0	1.5	25	100	10	O
HEX2F100R2025010010	10.0	2.0	25	100	10	O
HEX2F100R2525010010	10.0	2.5	25	100	10	O
HEX2F100R3025010010	10.0	3.0	25	100	10	O
HEX2F120R0530010012	12.0	0.5	30	100	12	O
HEX2F120R1030010012	12.0	1.0	30	100	12	O
HEX2F120R1530010012	12.0	1.5	30	100	12	O
HEX2F120R2030010012	12.0	2.0	30	100	12	O
HEX2F120R2530010012	12.0	2.5	30	100	12	O
HEX2F120R3030010012	12.0	3.0	30	100	12	O

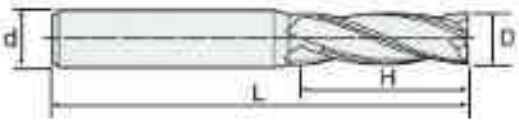
■Special specifications can be customized. ■特殊規格可訂制。

HEX 4 flutes square end mills

4刃立銑刀







B171

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
HEX4F01003005004	1.0	3	50	4	○
HEX4F01504505004	1.5	4.5	50	4	○
HEX4F02006005004	2.0	6	50	4	○
HEX4F02507005004	2.5	7	50	4	○
HEX4F03008005004	3.0	8	50	4	○
HEX4F03510005004	3.5	10	50	4	○
HEX4F04011005004	4.0	11	50	4	○
HEX4F04513005006	4.5	13	50	6	○
HEX4F05013005006	5.0	13	50	6	○
HEX4F05513005006	5.5	13	50	6	○
HEX4F06015005006	6.0	15	50	6	○
HEX4F06517006008	6.5	17	60	8	○
HEX4F07017006008	7.0	17	60	8	○
HEX4F07517006008	7.5	17	60	8	○
HEX4F08020006008	8.0	20	60	8	○
HEX4F08523007510	8.5	23	75	10	○
HEX4F09023007510	9.0	23	75	10	○
HEX4F09525007510	9.5	25	75	10	○
HEX4F10025007510	10.0	25	75	10	○
HEX4F10525007512	10.5	25	75	12	○
HEX4F11028007512	11.0	28	75	12	○
HEX4F11528007512	11.5	28	75	12	○
HEX4F12030007512	12.0	30	75	12	○
HEX4F13033010014	13.0	33	100	14	○
HEX4F14035010014	14.0	35	100	14	○
HEX4F15038010016	15.0	38	100	16	○
HEX4F16040010016	16.0	40	100	16	○
HEX4F17040010018	17.0	40	100	18	○
HEX4F18040010018	18.0	40	100	18	○
HEX4F19040010020	19.0	40	100	20	○
HEX4F20040010020	20.0	40	100	20	○
HEX4F22040010025	22.0	40	100	25	○
HEX4F25040010025	25.0	40	100	25	○

★ WORK MATERAIL 被削材質

HEX

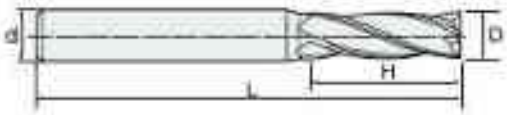
P20 S45C 硬質鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不鏽鋼
•	•	•	•

★ TOLERANCES 公差

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

HEX Long shank 4 flutes square end mills







B172

Product Code	Blade diameter	Blade length	Full	Shank	Inventory
HEX4F01003007504	1.0	3	75	4	O
HEX4F01504507504	1.5	4.5	75	4	O
HEX4F02006007504	2.0	6	75	4	O
HEX4F02507007504	2.5	7	75	4	O
HEX4F03008007504	3.0	8	75	4	O
HEX4F03510007504	3.5	10	75	4	O
HEX4F04011007504	4.0	11	75	4	O
HEX4F04513007506	4.5	13	75	6	O
HEX4F05013007506	5.0	13	75	6	O
HEX4F05513007506	5.5	13	75	6	O
HEX4F06015007506	6.0	15	75	6	O
HEX4F06517007506	6.5	17	75	8	O
HEX4F07017007508	7.0	17	75	8	O
HEX4F07517007508	7.5	17	75	8	O
HEX4F08020007508	8.0	20	75	8	O
HEX4F03008010006	3.0	8	100	6	O
HEX4F04011010006	4.0	11	100	6	O
HEX4F05013010006	5.0	13	100	6	O
HEX4F06015010006	6.0	15	100	6	O
HEX4F07017010008	7.0	17	100	8	O
HEX4F08020010008	8.0	20	100	8	O
HEX4F09023010010	9.0	23	100	10	O
HEX4F10025010010	10.0	25	100	10	O
HEX4F11028010012	11.0	28	100	12	O
HEX4F12030010012	12.0	30	100	12	O
HEX4F08020015008	8.0	20	150	8	O
HEX4F10025015010	10.0	25	150	10	O
HEX4F12030015012	12.0	30	150	12	O
HEX4F16040015016	16.0	40	150	16	O
HEX4F18040015018	18.0	40	150	18	O
HEX4F20040015020	20.0	40	150	20	O
HEX4F16040020016	16.0	40	200	16	O
HEX4F20040020020	20.0	40	200	20	O

★ WORK MATERAIL

HEX

P20 S45C	SCM SK	SKT SKD	S316
•	•	•	•

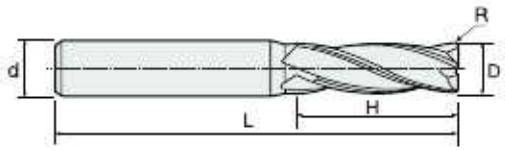
★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

HEX 4 flutes corner radius end mills

圓鼻 4刃立銑刀









B173

Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
HEX4F010R0203005004	1.0	0.2	3	50	4	○
HEX4F015R0204005004	1.5	0.2	4	50	4	○
HEX4F015R0504005004	1.5	0.5	4	50	4	○
HEX4F020R0206005004	2.0	0.2	6	50	4	○
HEX4F020R0506005004	2.0	0.5	6	50	4	○
HEX4F025R0208005004	2.5	0.2	8	50	4	○
HEX4F025R0508005004	2.5	0.5	8	50	4	○
HEX4F030R0208005004	3.0	0.2	8	50	4	○
HEX4F030R0508005004	3.0	0.5	8	50	4	○
HEX4F030R1008005004	3.0	1.0	8	50	4	○
HEX4F040R0211005004	4.0	0.2	11	50	4	○
HEX4F040R0511005004	4.0	0.5	11	50	4	○
HEX4F040R1011005004	4.0	1.0	11	50	4	○
HEX4F050R0513005006	5.0	0.5	13	50	6	○
HEX4F050R1013005006	5.0	1.0	13	50	6	○
HEX4F060R0215005006	6.0	0.2	15	50	6	○
HEX4F060R0515005006	6.0	0.5	15	50	6	○
HEX4F060R1015005006	6.0	1.0	15	50	6	○
HEX4F060R1515005006	6.0	1.5	15	50	6	○
HEX4F060R2015005006	6.0	2.0	15	50	6	○
HEX4F080R0520006008	8.0	0.5	20	60	8	○
HEX4F080R1020006008	8.0	1.0	20	60	8	○
HEX4F080R1520006008	8.0	1.5	20	60	8	○
HEX4F080R2020006008	8.0	2.0	20	60	8	○
HEX4F100R0525007510	10.0	0.5	25	75	10	○
HEX4F100R1025007510	10.0	1.0	25	75	10	○
HEX4F100R1525007510	10.0	1.5	25	75	10	○
HEX4F100R2025007510	10.0	2.0	25	75	10	○
HEX4F100R2525007510	10.0	2.5	25	75	10	○
HEX4F100R3025007510	10.0	3.0	25	75	10	○
HEX4F120R0530007512	12.0	0.5	30	75	12	○
HEX4F120R1030007512	12.0	1.0	30	75	12	○
HEX4F120R1530007512	12.0	1.5	30	75	12	○
HEX4F120R2030007512	12.0	2.0	30	75	12	○
HEX4F120R2530007512	12.0	2.5	30	75	12	○
HEX4F120R3030007512	12.0	3.0	30	75	12	○

★ WORK MATERAIL 被削材质

HEX

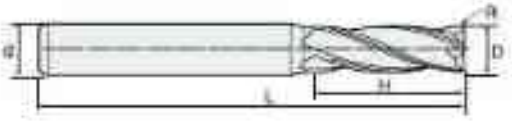
P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

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

HEX Long shank 4 flutes corner radius end mills







B174

Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory
HEX4F010R0203007504	1.0	0.2	3	75	4	O
HEX4F015R0204007504	1.5	0.2	4	75	4	O
HEX4F015R0504007504	1.5	0.5	4	75	4	O
HEX4F020R0206007504	2.0	0.2	6	75	4	O
HEX4F020R0506007504	2.0	0.5	6	75	4	O
HEX4F025R0208007504	2.5	0.2	8	75	4	O
HEX4F025R0508007504	2.5	0.5	8	75	4	O
HEX4F030R0208007504	3.0	0.2	8	75	4	O
HEX4F030R0508007504	3.0	0.5	8	75	4	O
HEX4F030R1008007504	3.0	1.0	8	75	4	O
HEX4F040R0211007504	4.0	0.2	11	75	4	O
HEX4F040R0511007504	4.0	0.5	11	75	4	O
HEX4F040R1011007504	4.0	1.0	11	75	4	O
HEX4F050R0513007506	5.0	0.5	13	75	6	O
HEX4F050R1013007506	5.0	1.0	13	75	6	O
HEX4F060R0215007506	6.0	0.2	15	75	6	O
HEX4F060R0515007506	6.0	0.5	15	75	6	O
HEX4F060R1015007506	6.0	1.0	15	75	6	O
HEX4F060R1515007506	6.0	1.5	15	75	6	O
HEX4F060R2015007506	6.0	2.0	15	75	6	O
HEX4F080R0520007508	8.0	0.5	20	75	8	O
HEX4F080R1020007508	8.0	1.0	20	75	8	O
HEX4F080R1520007508	8.0	1.5	20	75	8	O
HEX4F080R2020007508	8.0	2.0	20	75	8	O
HEX4F040R0211010006	4.0	0.2	11	100	6	O
HEX4F040R0511010006	4.0	0.5	11	100	6	O
HEX4F040R1011010006	4.0	1.0	11	100	6	O
HEX4F050R0513010006	5.0	0.5	13	100	6	O
HEX4F050R1013010006	5.0	1.0	13	100	6	O
HEX4F060R0215010006	6.0	0.2	15	100	6	O
HEX4F060R0515010006	6.0	0.5	15	100	6	O
HEX4F060R1015010006	6.0	1.0	15	100	6	O
HEX4F060R1515010006	6.0	1.5	15	100	6	O
HEX4F060R2015010006	6.0	2.0	15	100	6	O
HEX4F080R0520010008	8.0	0.5	20	100	8	O
HEX4F080R1020010008	8.0	1.0	20	100	8	O
HEX4F080R1520010008	8.0	1.5	20	100	8	O
HEX4F080R2020010008	8.0	2.0	20	100	8	O
HEX4F100R0525010010	10.0	0.5	25	100	10	O
HEX4F100R1025010010	10.0	1.0	25	100	10	O
HEX4F100R1525010010	10.0	1.5	25	100	10	O
HEX4F100R2025010010	10.0	2.0	25	100	10	O
HEX4F100R2525010010	10.0	2.5	25	100	10	O
HEX4F100R3025010010	10.0	3.0	25	100	10	O
HEX4F120R0530010012	12.0	0.5	30	100	12	O
HEX4F120R1030010012	12.0	1.0	30	100	12	O
HEX4F120R1530010012	12.0	1.5	30	100	12	O
HEX4F120R2030010012	12.0	2.0	30	100	12	O
HEX4F120R2530010012	12.0	2.5	30	100	12	O
HEX4F120R3030010012	12.0	3.0	30	100	12	O

■Special specifications can be customized. ■特殊规格可订制。

HEX 2 flutes ball nose end mills

2刃球型立銑刀





B175



UMG | 0.5 μm | CO10% | HRC-65 | AITINS

Product Code 產品編號	R Blade R槽	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
HEX2FR005002005004	R0.50	2.0	50	4	○
HEX2FR007503005004	R0.75	3.0	50	4	○
HEX2FR010004005004	R1.00	4.0	50	4	○
HEX2FR012505005004	R1.25	5.0	50	4	○
HEX2FR015006005004	R1.50	6.0	50	4	○
HEX2FR017507005004	R1.75	7.0	50	4	○
HEX2FR020008005004	R2.00	8.0	50	4	○
HEX2FR005002005006	R0.50	2.0	50	6	○
HEX2FR007503005006	R0.75	3.0	50	6	○
HEX2FR010004005006	R1.00	4.0	50	6	○
HEX2FR012505005006	R1.25	5.0	50	6	○
HEX2FR015006005006	R1.50	6.0	50	6	○
HEX2FR017507005006	R1.75	7.0	50	6	○
HEX2FR020008005006	R2.00	8.0	50	6	○
HEX2FR022509005006	R2.25	9.0	50	6	○
HEX2FR025010005006	R2.50	10.0	50	6	○
HEX2FR027511005006	R2.75	11.0	50	6	○
HEX2FR030012005006	R3.00	12.0	50	6	○
HEX2FR032513006008	R3.25	13.0	60	8	○
HEX2FR035014006008	R3.50	14.0	60	8	○
HEX2FR037515006008	R3.75	15.0	60	8	○
HEX2FR040016006008	R4.00	16.0	60	8	○
HEX2FR045018007510	R4.50	18.0	75	10	○
HEX2FR050020007510	R5.00	20.0	75	10	○
HEX2FR060024007512	R6.00	24.0	75	12	○
HEX2FR070030010014	R7.00	30.0	100	14	○
HEX2FR080030010016	R8.00	30.0	100	16	○
HEX2FR090030010018	R9.00	30.0	100	18	○
HEX2FR100030010020	R10.0	30.0	100	20	○
HEX2FR125030010025	R12.5	30.0	100	25	○

★ WORK MATERAIL 被削材质

HEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES 公差

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

HEX Long shank 2 flutes ball nose end mills





Product Code	R Blade	Blade length	Full	Shank	Inventory
HEX2FR005002007504	R0.50	2	75	4	O
HEX2FR007503007504	R0.75	3	75	4	O
HEX2FR010004007504	R1.00	4	75	4	O
HEX2FR012505007504	R1.25	5	75	4	O
HEX2FR015006007504	R1.50	6	75	4	O
HEX2FR017507007504	R1.75	7	75	4	O
HEX2FR020008007504	R2.00	8	75	4	O
HEX2FR022509007506	R2.25	9	75	6	O
HEX2FR025010007506	R2.50	10	75	6	O
HEX2FR027511007506	R2.75	11	75	6	O
HEX2FR030012007506	R3.00	12	75	6	O
HEX2FR040016007508	R4.00	16	75	8	O
HEX2FR005002010006	R0.50	2	100	6	O
HEX2FR007503010006	R0.75	3	100	6	O
HEX2FR010004010006	R1.00	4	100	6	O
HEX2FR012505010006	R1.25	5	100	6	O
HEX2FR015006010006	R1.50	6	100	6	O
HEX2FR017507010006	R1.75	7	100	6	O
HEX2FR020008010006	R2.00	8	100	6	O
HEX2FR022509010006	R2.25	9	100	6	O
HEX2FR025010010006	R2.50	10	100	6	O
HEX2FR027511010006	R2.75	11	100	6	O
HEX2FR030012010006	R3.00	12	100	6	O
HEX2FR040016010008	R4.00	16	100	8	O
HEX2FR050020010010	R5.00	20	100	10	O
HEX2FR060024010012	R6.00	24	100	12	O
HEX2FR030012015006	R3.00	12	150	6	O
HEX2FR040016015008	R4.00	16	150	8	O
HEX2FR050020015010	R5.00	20	150	10	O
HEX2FR060024015012	R6.00	24	150	12	O
HEX2FR070030015014	R7.00	30	150	14	O
HEX2FR080030015016	R8.00	30	150	16	O
HEX2FR100030015020	R10.00	30	150	20	O
HEX2FR040016020008	R4.00	16	200	8	O
HEX2FR050020020010	R5.00	20	200	10	O
HEX2FR060024020012	R6.00	24	200	12	O
HEX2FR070030020014	R7.00	30	200	14	O
HEX2FR080030020016	R8.00	30	200	16	O
HEX2FR100030020020	R10.00	30	200	20	O

★ WORK MATERAIL

HEX

P20 SASC	SCM SK	SKT SKD	S316
•	•	•	•

R	R diameter tolerance
R	R ± 0.015

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.013~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

HEX 2 flutes long neck short flute square end mills

二刃平底深颈铣刀









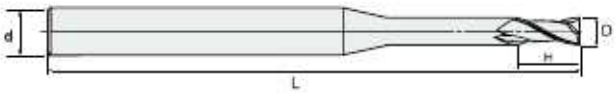


Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
HEX2F0020030100S004	0.2	0.3	1	50	4	0
HEX2F0020030200S004	0.2	0.3	2	50	4	0
HEX2F0030040100S004	0.3	0.4	1	50	4	0
HEX2F0030040200S004	0.3	0.4	2	50	4	0
HEX2F0030040300S004	0.3	0.4	3	50	4	0
HEX2F0030040400S004	0.3	0.4	4	50	4	0
HEX2F0030040500S004	0.3	0.4	5	50	4	0
HEX2F0040050100S004	0.4	0.5	1	50	4	0
HEX2F0040050200S004	0.4	0.5	2	50	4	0
HEX2F0040050300S004	0.4	0.5	3	50	4	0
HEX2F0040050400S004	0.4	0.5	4	50	4	0
HEX2F0040050500S004	0.4	0.5	5	50	4	0
HEX2F0040050600S004	0.4	0.5	6	50	4	0
HEX2F0040050800S004	0.4	0.5	8	50	4	0
HEX2F004005100GS004	0.4	0.5	10	50	4	0
HEX2F0050060200S004	0.5	0.6	2	50	4	0
HEX2F0050060300S004	0.5	0.6	3	50	4	0
HEX2F0050060400S004	0.5	0.6	4	50	4	0
HEX2F0050060500S004	0.5	0.6	5	50	4	0
HEX2F0050060600S004	0.5	0.6	6	50	4	0
HEX2F0050060800S004	0.5	0.6	8	50	4	0
HEX2F005006100GS004	0.5	0.6	10	50	4	0
HEX2F005006120GS004	0.5	0.6	12	50	4	0
HEX2F005006140GS004	0.5	0.6	14	50	4	0
HEX2F0060070200S004	0.6	0.7	2	50	4	0
HEX2F0060070300S004	0.6	0.7	3	50	4	0
HEX2F0060070400S004	0.6	0.7	4	50	4	0
HEX2F0060070500S004	0.6	0.7	5	50	4	0
HEX2F0060070600S004	0.6	0.7	6	50	4	0
HEX2F0060070800S004	0.6	0.7	8	50	4	0
HEX2F006007100GS004	0.6	0.7	10	50	4	0
HEX2F006007120GS004	0.6	0.7	12	50	4	0
HEX2F006007140GS004	0.6	0.7	14	50	4	0
HEX2F006007160GS004	0.6	0.7	16	50	4	0
HEX2F0070080200S004	0.7	0.8	2	50	4	0
HEX2F0070080400S004	0.7	0.8	4	50	4	0
HEX2F0070080600S004	0.7	0.8	6	50	4	0
HEX2F0070080800S004	0.7	0.8	8	50	4	0
HEX2F007008100GS004	0.7	0.8	10	50	4	0
HEX2F007008120GS004	0.7	0.8	12	50	4	0
HEX2F0080100200S004	0.8	1.0	2	50	4	0
HEX2F0080100400S004	0.8	1.0	4	50	4	0
HEX2F0080100600S004	0.8	1.0	6	50	4	0
HEX2F0080100800S004	0.8	1.0	8	50	4	0
HEX2F008010100GS004	0.8	1.0	10	50	4	0
HEX2F008010120GS004	0.8	1.0	12	50	4	0
HEX2F008010140GS004	0.8	1.0	14	50	4	0
HEX2F0090110600S004	0.9	1.1	6	50	4	0
HEX2F0090110800S004	0.9	1.1	8	50	4	0
HEX2F009011100GS004	0.9	1.1	10	50	4	0
HEX2F0100120200S004	1.0	1.2	2	50	4	0
HEX2F0100120300S004	1.0	1.2	3	50	4	0
HEX2F0100120400S004	1.0	1.2	4	50	4	0
HEX2F0100120500S004	1.0	1.2	5	50	4	0
HEX2F0100120600S004	1.0	1.2	6	50	4	0
HEX2F0100120800S004	1.0	1.2	8	50	4	0
HEX2F010012100GS004	1.0	1.2	10	50	4	0

HEX 2 flutes long neck short flute square end mills

二刃平底深溝銑刀







UMG | 0.5 μm | CO10% | HRC-65 | AlTiNS

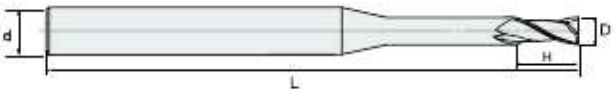
B178

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
HEX2F01001212005004	1.0	1.2	12	50	4	○
HEX2F01001214005004	1.0	1.2	14	50	4	○
HEX2F01001216005004	1.0	1.2	16	50	4	○
HEX2F01001218005004	1.0	1.2	18	50	4	○
HEX2F01001220005004	1.0	1.2	20	50	4	○
HEX2F01201504005004	1.2	1.5	4	50	4	○
HEX2F01201506005004	1.2	1.5	6	50	4	○
HEX2F01201508005004	1.2	1.5	8	50	4	○
HEX2F01201510005004	1.2	1.5	10	50	4	○
HEX2F01201512005004	1.2	1.5	12	50	4	○
HEX2F01201516005004	1.2	1.5	16	50	4	○
HEX2F01201520005004	1.2	1.5	20	50	4	○
HEX2F01401806005004	1.4	1.8	6	50	4	○
HEX2F01401808005004	1.4	1.8	8	50	4	○
HEX2F01401810005004	1.4	1.8	10	50	4	○
HEX2F01401814005004	1.4	1.8	14	50	4	○
HEX2F01401816005004	1.4	1.8	16	50	4	○
HEX2F01401820005004	1.4	1.8	20	50	4	○
HEX2F01501804005004	1.5	1.8	4	50	4	○
HEX2F01501806005004	1.5	1.8	6	50	4	○
HEX2F01501808005004	1.5	1.8	8	50	4	○
HEX2F01501810005004	1.5	1.8	10	50	4	○
HEX2F01501812005004	1.5	1.8	12	50	4	○
HEX2F01501814005004	1.5	1.8	14	50	4	○
HEX2F01501816005004	1.5	1.8	16	50	4	○
HEX2F01501818005004	1.5	1.8	18	50	4	○
HEX2F01501820005004	1.5	1.8	20	50	4	○
HEX2F01601910005004	1.6	1.9	10	50	4	○
HEX2F01601914005004	1.6	1.9	14	50	4	○
HEX2F01601918005004	1.6	1.9	18	50	4	○
HEX2F01802010005004	1.8	2.0	10	50	4	○
HEX2F01802014005004	1.8	2.0	14	50	4	○
HEX2F01802018005004	1.8	2.0	18	50	4	○
HEX2F02002504005004	2.0	2.5	4	50	4	○
HEX2F02002506005004	2.0	2.5	6	50	4	○
HEX2F02002508005004	2.0	2.5	8	50	4	○
HEX2F02002510005004	2.0	2.5	10	50	4	○
HEX2F02002512005004	2.0	2.5	12	50	4	○
HEX2F02002514005004	2.0	2.5	14	50	4	○
HEX2F02002516005004	2.0	2.5	16	50	4	○
HEX2F02002518005004	2.0	2.5	18	50	4	○
HEX2F02002520005004	2.0	2.5	20	50	4	○
HEX2F02002522005004	2.0	2.5	22	50	4	○
HEX2F02002525005004	2.0	2.5	25	50	4	○
HEX2F02002530005004	2.0	2.5	30	50	4	○
HEX2F02002535005004	2.0	2.5	35	50	4	○
HEX2F02503008005004	2.5	3.0	8	50	4	○
HEX2F02503010005004	2.5	3.0	10	50	4	○
HEX2F02503012005004	2.5	3.0	12	50	4	○
HEX2F02503016005004	2.5	3.0	16	50	4	○
HEX2F02503020005004	2.5	3.0	20	50	4	○
HEX2F02503025005004	2.5	3.0	25	50	4	○
HEX2F02503030005004	2.5	3.0	30	50	4	○
HEX2F02503035005004	2.5	3.0	35	50	4	○

HEX 2 flutes long neck short flute square end mills

二刃平底深溝銑刀







B179

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
HEX2F03003506005006	3.0	3.5	6	50	6	○
HEX2F03003510005006	3.0	3.5	10	50	6	○
HEX2F03003512005006	3.0	3.5	12	50	6	○
HEX2F03003516005006	3.0	3.5	16	50	6	○
HEX2F03003520006006	3.0	3.5	20	60	6	○
HEX2F03003525006006	3.0	3.5	25	60	6	○
HEX2F03003530006006	3.0	3.5	30	60	6	○
HEX2F03003535007506	3.0	3.5	35	75	6	○
HEX2F04004508005006	4.0	4.5	8	50	6	○
HEX2F04004510005006	4.0	4.5	10	50	6	○
HEX2F04004512005006	4.0	4.5	12	50	6	○
HEX2F04004516005006	4.0	4.5	16	50	6	○
HEX2F04004520006006	4.0	4.5	20	60	6	○
HEX2F04004525006006	4.0	4.5	25	60	6	○
HEX2F04004530006006	4.0	4.5	30	60	6	○
HEX2F04004535007506	4.0	4.5	35	75	6	○
HEX2F05007016005006	5.0	7.0	16	50	6	○
HEX2F05007020006006	5.0	7.0	20	60	6	○
HEX2F05007025006006	5.0	7.0	25	60	6	○
HEX2F05007030006006	5.0	7.0	30	60	6	○
HEX2F05007035075006	5.0	7.0	35	75	6	○
HEX2F06010020006006	6.0	10.0	20	60	6	○
HEX2F06010030075006	6.0	10.0	30	75	6	○
HEX2F08015020006008	8.0	15.0	20	60	8	○
HEX2F08015030075008	8.0	15.0	30	75	8	○
HEX2F08015040010008	8.0	15.0	40	100	8	○
HEX2F10020025075010	10.0	20.0	25	75	10	○
HEX2F10020035075010	10.0	20.0	35	75	10	○
HEX2F10020045010010	10.0	20.0	45	100	10	○
HEX2F12025030075012	12.0	25.0	30	75	12	○
HEX2F12025040010012	12.0	25.0	40	100	12	○
HEX2F12025050010012	12.0	25.0	50	100	12	○

★ WORK MATERAIL 被削材质

HEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
●	●	●	●

★ TOLERANCES 公差

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

Working material 被切材質	Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼		Alloy steel/Tool steel 合金鋼/工具鋼	
Material code 材質編碼	45C,S50C,SCM		SCM,SKT,SKD		SCM,SKT,SKD		SKT,SKD	
Hardness grade 硬度等級	HRC < 20		HRC 20~30		HRC 30~40		HRC 40~50	
Diameter 直徑	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)	R.P.M	Feed (mm/mm)
0.2MM	52,000	310	52,000	290	52,000	250	52,000	250
0.3MM	56,000	520	56,000	460	56,000	410	56,000	410
0.4MM	52,000	610	52,000	580	44,600	420	44,600	420
0.5MM	52,800	840	50,000	720	37,600	470	37,600	470
0.8MM	34,100	830	28,100	650	21,100	450	21,100	450
1.0MM	30,100	1,070	24,400	770	19,500	480	19,500	480
1.5MM	20,000	980	17,500	740	12,400	450	12,400	450
2.0MM	18,500	1,250	16,400	930	11,500	550	11,500	550
2.5MM	14,000	1,240	11,800	950	8,800	650	8,800	650
3.0MM	10,600	1,150	8,700	850	6,200	560	6,200	560
4.0MM	8,500	1,280	7,100	950	5,100	600	5,100	600
5.0MM	5,800	1,040	4,800	760	3,300	460	3,300	460
6.0MM	3,900	890	3,600	680	2,400	440	2,400	440
8.0MM	3,200	910	2,800	710	2,300	450	2,300	450
10.0MM	2,900	890	2,700	680	2,100	430	2,100	430
12.0MM	2,500	710	2,300	580	2,000	400	2,000	400
Milling amount (mm)								

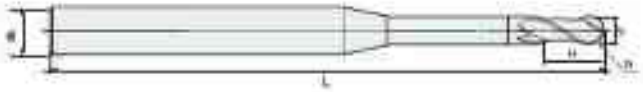


Please refer to 3xD table,reduce R.P.M.&Feed while efficient length is increasing.

HEX 2 flutes long neck short flute ball nose end mills

二刃深溝球頭銑刀





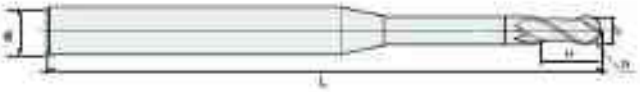
Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
HEX2FR0150030100S004	0.15R	0.3	0.3	1	50	4	O
HEX2FR0150030200S004	0.15R	0.3	0.3	2	50	4	O
HEX2FR0150030300S004	0.15R	0.3	0.3	3	50	4	O
HEX2FR0200040100S004	0.20R	0.4	0.4	1	50	4	O
HEX2FR0200040200S004	0.20R	0.4	0.4	2	50	4	O
HEX2FR0200040300S004	0.20R	0.4	0.4	3	50	4	O
HEX2FR0200040400S004	0.20R	0.4	0.4	4	50	4	O
HEX2FR0200040500S004	0.20R	0.4	0.4	5	50	4	O
HEX2FR0200040600S004	0.20R	0.4	0.4	6	50	4	O
HEX2FR0250040800S004	0.20R	0.4	0.4	8	50	4	O
HEX2FR0250050100S004	0.25R	0.5	0.5	1	50	4	O
HEX2FR0250050200S004	0.25R	0.5	0.5	2	50	4	O
HEX2FR0250050300S004	0.25R	0.5	0.5	3	50	4	O
HEX2FR0250050400S004	0.25R	0.5	0.5	4	50	4	O
HEX2FR0250050500S004	0.25R	0.5	0.5	5	50	4	O
HEX2FR0250050600S004	0.25R	0.5	0.5	6	50	4	O
HEX2FR0250050800S004	0.25R	0.5	0.5	8	50	4	O
HEX2FR0300051000S004	0.25R	0.5	0.5	10	50	4	O
HEX2FR0300060100S004	0.30R	0.6	0.6	1	50	4	O
HEX2FR0300060200S004	0.30R	0.6	0.6	2	50	4	O
HEX2FR0300060300S004	0.30R	0.6	0.6	3	50	4	O
HEX2FR0300060400S004	0.30R	0.6	0.6	4	50	4	O
HEX2FR0300060500S004	0.30R	0.6	0.6	5	50	4	O
HEX2FR0300060600S004	0.30R	0.6	0.6	6	50	4	O
HEX2FR0300060800S004	0.30R	0.6	0.6	8	50	4	O
HEX2FR0300061000S004	0.30R	0.6	0.6	10	50	4	O
HEX2FR0300061200S004	0.30R	0.6	0.6	12	50	4	O
HEX2FR0350070200S004	0.35R	0.7	0.7	2	50	4	O
HEX2FR0350070400S004	0.35R	0.7	0.7	4	50	4	O
HEX2FR0350070800S004	0.35R	0.7	0.7	8	50	4	O
HEX2FR0350071000S004	0.35R	0.7	0.7	10	50	4	O
HEX2FR0400071200S004	0.35R	0.7	0.7	12	50	4	O
HEX2FR0400080200S004	0.40R	0.8	0.8	2	50	4	O
HEX2FR0400080400S004	0.40R	0.8	0.8	4	50	4	O
HEX2FR0400080600S004	0.40R	0.8	0.8	6	50	4	O
HEX2FR0400080800S004	0.40R	0.8	0.8	8	50	4	O
HEX2FR0400081000S004	0.40R	0.8	0.8	10	50	4	O
HEX2FR0400081200S004	0.40R	0.8	0.8	12	50	4	O
HEX2FR0450090400S004	0.45R	0.9	0.9	4	50	4	O
HEX2FR0500100200S004	0.50R	1.0	1.0	2	50	4	O
HEX2FR0500100300S004	0.50R	1.0	1.0	3	50	4	O
HEX2FR0500100400S004	0.50R	1.0	1.0	4	50	4	O
HEX2FR0500100500S004	0.50R	1.0	1.0	5	50	4	O
HEX2FR0500100600S004	0.50R	1.0	1.0	6	50	4	O
HEX2FR0500100800S004	0.50R	1.0	1.0	8	50	4	O
HEX2FR0500101000S004	0.50R	1.0	1.0	10	50	4	O
HEX2FR0500101200S004	0.50R	1.0	1.0	12	50	4	O
HEX2FR0500101400S004	0.50R	1.0	1.0	14	50	4	O
HEX2FR0500101600S004	0.50R	1.0	1.0	16	50	4	O
HEX2FR0500101800S004	0.50R	1.0	1.0	18	50	4	O
HEX2FR0500102000S004	0.50R	1.0	1.0	20	50	4	O
HEX2FR0500102200S004	0.50R	1.0	1.0	22	60	4	O

HEX 2 flutes long neck short flute ball nose end mills

二刃长颈球鼻铣刀







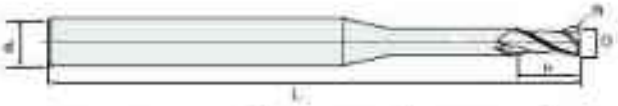
UMG

Product Code 产品编号	Radius 半径	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
HEX2FR06012045004	0.60R	1.2	1.2	4	50	4	O
HEX2FR06012065004	0.60R	1.2	1.2	6	50	4	O
HEX2FR06012085004	0.60R	1.2	1.2	8	50	4	O
HEX2FR06012105004	0.60R	1.2	1.2	10	50	4	O
HEX2FR06012125004	0.60R	1.2	1.2	12	50	4	O
HEX2FR06012165004	0.60R	1.2	1.2	16	50	4	O
HEX2FR06012205004	0.60R	1.2	1.2	20	50	4	O
HEX2FR06012245004	0.60R	1.2	1.2	24	50	4	O
HEX2FR07014065004	0.70R	1.4	1.4	6	50	4	O
HEX2FR07014085004	0.70R	1.4	1.4	8	50	4	O
HEX2FR07014125004	0.70R	1.4	1.4	12	50	4	O
HEX2FR07014165004	0.70R	1.4	1.4	16	50	4	O
HEX2FR07515035004	0.75R	1.5	1.5	3	50	4	O
HEX2FR07515045004	0.75R	1.5	1.5	4	50	4	O
HEX2FR07515065004	0.75R	1.5	1.5	6	50	4	O
HEX2FR07515085004	0.75R	1.5	1.5	8	50	4	O
HEX2FR07515105004	0.75R	1.5	1.5	10	50	4	O
HEX2FR07515125004	0.75R	1.5	1.5	12	50	4	O
HEX2FR07515145004	0.75R	1.5	1.5	14	50	4	O
HEX2FR07515165004	0.75R	1.5	1.5	16	50	4	O
HEX2FR07515185004	0.75R	1.5	1.5	18	50	4	O
HEX2FR07515205004	0.75R	1.5	1.5	20	50	4	O
HEX2FR07515225004	0.75R	1.5	1.5	22	50	4	O
HEX2FR07515255004	0.75R	1.5	1.5	25	50	4	O
HEX2FR07515305004	0.75R	1.5	1.5	30	50	4	O
HEX2FR08016065004	0.80R	1.6	1.6	6	50	4	O
HEX2FR08016085004	0.80R	1.6	1.6	8	50	4	O
HEX2FR08016125004	0.80R	1.6	1.6	12	50	4	O
HEX2FR08016165004	0.80R	1.6	1.6	16	50	4	O
HEX2FR08016205004	0.80R	1.6	1.6	20	50	4	O
HEX2FR09018065004	0.90R	1.8	1.8	6	50	4	O
HEX2FR09018085004	0.90R	1.8	1.8	8	50	4	O
HEX2FR09018125004	0.90R	1.8	1.8	12	50	4	O
HEX2FR09018165004	0.90R	1.8	1.8	16	50	4	O
HEX2FR09018205004	0.90R	1.8	1.8	20	50	4	O
HEX2FR10020045004	1.00R	2.0	2.0	4	50	4	O
HEX2FR10020065004	1.00R	2.0	2.0	6	50	4	O
HEX2FR10020085004	1.00R	2.0	2.0	8	50	4	O
HEX2FR10020105004	1.00R	2.0	2.0	10	50	4	O
HEX2FR10020125004	1.00R	2.0	2.0	12	50	4	O
HEX2FR10020145004	1.00R	2.0	2.0	14	50	4	O
HEX2FR10020165004	1.00R	2.0	2.0	16	50	4	O
HEX2FR10020185004	1.00R	2.0	2.0	18	50	4	O
HEX2FR10020205004	1.00R	2.0	2.0	20	50	4	O
HEX2FR10020225004	1.00R	2.0	2.0	22	50	4	O
HEX2FR10020255004	1.00R	2.0	2.0	25	50	4	O
HEX2FR12525085004	1.25R	2.5	2.5	8	50	4	O
HEX2FR12525105004	1.25R	2.5	2.5	10	50	4	O
HEX2FR12525165004	1.25R	2.5	2.5	16	50	4	O
HEX2FR12525205004	1.25R	2.5	2.5	20	50	4	O
HEX2FR12525255004	1.25R	2.5	2.5	25	50	4	O
HEX2FR12525305004	1.25R	2.5	2.5	30	60	4	O

HEX 2 flutes long neck short flute corner radius end mills

二刃长颈短刃圆鼻铣刀









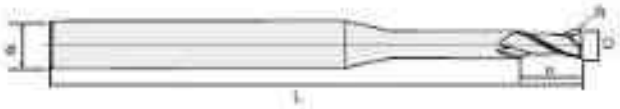


Product Code 产品编号	Blade diameter 刃径	Corner radius R角	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
HEX010R0010100405004	1.0	0.1R	1.0	4	50	4	O
HEX010R0010100605004	1.0	0.1R	1.0	6	50	4	O
HEX010R0010100805004	1.0	0.1R	1.0	8	50	4	O
HEX010R0010101005004	1.0	0.1R	1.0	10	50	4	O
HEX010R0010101205004	1.0	0.1R	1.0	12	50	4	O
HEX010R0020100405004	1.0	0.2R	1.0	4	50	4	O
HEX010R0020100605004	1.0	0.2R	1.0	6	50	4	O
HEX010R0020100805004	1.0	0.2R	1.0	8	50	4	O
HEX010R0020101005004	1.0	0.2R	1.0	10	50	4	O
HEX010R0020101205004	1.0	0.2R	1.0	12	50	4	O
HEX010R0030100405004	1.0	0.3R	1.0	4	50	4	O
HEX010R0030100605004	1.0	0.3R	1.0	6	50	4	O
HEX010R0030100805004	1.0	0.3R	1.0	8	50	4	O
HEX010R0030101005004	1.0	0.3R	1.0	10	50	4	O
HEX010R0030101205004	1.0	0.3R	1.0	12	50	4	O
HEX012R0010120405004	1.2	0.1R	1.2	4	50	4	O
HEX012R0010120605004	1.2	0.1R	1.2	6	50	4	O
HEX012R0010120805004	1.2	0.1R	1.2	8	50	4	O
HEX012R0010121005004	1.2	0.1R	1.2	10	50	4	O
HEX012R0010121205004	1.2	0.1R	1.2	12	50	4	O
HEX012R0020120405004	1.2	0.2R	1.2	4	50	4	O
HEX012R0020120605004	1.2	0.2R	1.2	6	50	4	O
HEX012R0020120805004	1.2	0.2R	1.2	8	50	4	O
HEX012R0020121005004	1.2	0.2R	1.2	10	50	4	O
HEX012R0020121205004	1.2	0.2R	1.2	12	50	4	O
HEX012R0030120405004	1.2	0.3R	1.2	4	50	4	O
HEX012R0030120605004	1.2	0.3R	1.2	6	50	4	O
HEX012R0030120805004	1.2	0.3R	1.2	8	50	4	O
HEX012R0030121005004	1.2	0.3R	1.2	10	50	4	O
HEX012R0030121205004	1.2	0.3R	1.2	12	50	4	O
HEX015R0010150605004	1.5	0.1R	1.5	6	50	4	O
HEX015R0010150805004	1.5	0.1R	1.5	8	50	4	O
HEX015R0010151005004	1.5	0.1R	1.5	10	50	4	O
HEX015R0010151205004	1.5	0.1R	1.5	12	50	4	O
HEX015R0010151605004	1.5	0.1R	1.5	16	50	4	O
HEX015R0020150605004	1.5	0.2R	1.5	6	50	4	O
HEX015R0020150805004	1.5	0.2R	1.5	8	50	4	O
HEX015R0020151005004	1.5	0.2R	1.5	10	50	4	O
HEX015R0020151205004	1.5	0.2R	1.5	12	50	4	O
HEX015R0020151605004	1.5	0.2R	1.5	16	50	4	O
HEX015R0030150605004	1.5	0.3R	1.5	6	50	4	O
HEX015R0030150805004	1.5	0.3R	1.5	8	50	4	O
HEX015R0030151005004	1.5	0.3R	1.5	10	50	4	O
HEX015R0030151205004	1.5	0.3R	1.5	12	50	4	O
HEX015R0030151605004	1.5	0.3R	1.5	16	50	4	O
HEX015R0050150605004	1.5	0.5R	1.5	6	50	4	O
HEX015R0050150805004	1.5	0.5R	1.5	8	50	4	O
HEX015R0050151005004	1.5	0.5R	1.5	10	50	4	O
HEX015R0050151205004	1.5	0.5R	1.5	12	50	4	O
HEX015R0050151605004	1.5	0.5R	1.5	16	50	4	O
HEX020R0010200605004	2.0	0.1R	2.0	6	50	4	O
HEX020R0010200805004	2.0	0.1R	2.0	8	50	4	O
HEX020R0010201005004	2.0	0.1R	2.0	10	50	4	O
HEX020R0010201205004	2.0	0.1R	2.0	12	50	4	O
HEX020R0010201605004	2.0	0.1R	2.0	16	50	4	O
HEX020R0010202005004	2.0	0.1R	2.0	20	50	4	O
HEX020R0010202505004	2.0	0.1R	2.0	25	60	4	O

HEX 2 flutes long neck short flute corner radius end mills

二刃长颈短刃圆鼻铣刀









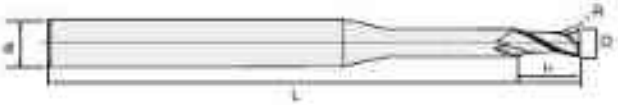
B183

Product Code 产品编号	Blade diameter 刃径	Corner radius R角	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
HEX20R02065004	2.0	0.2R	2.0	6	50	4	O
HEX20R02085004	2.0	0.2R	2.0	8	50	4	O
HEX20R02105004	2.0	0.2R	2.0	10	50	4	O
HEX20R02125004	2.0	0.2R	2.0	12	50	4	O
HEX20R02165004	2.0	0.2R	2.0	16	50	4	O
HEX20R02205004	2.0	0.2R	2.0	20	50	4	O
HEX20R02256004	2.0	0.2R	2.0	25	60	4	O
HEX20R03065004	2.0	0.3R	2.0	6	50	4	O
HEX20R03085004	2.0	0.3R	2.0	8	50	4	O
HEX20R03105004	2.0	0.3R	2.0	10	50	4	O
HEX20R03125004	2.0	0.3R	2.0	12	50	4	O
HEX20R03165004	2.0	0.3R	2.0	16	50	4	O
HEX20R03205004	2.0	0.3R	2.0	20	50	4	O
HEX20R03256004	2.0	0.3R	2.0	25	60	4	O
HEX20R05065004	2.0	0.5R	2.0	6	50	4	O
HEX20R05085004	2.0	0.5R	2.0	8	50	4	O
HEX20R05105004	2.0	0.5R	2.0	10	50	4	O
HEX20R05125004	2.0	0.5R	2.0	12	50	4	O
HEX20R05165004	2.0	0.5R	2.0	16	50	4	O
HEX20R05205004	2.0	0.5R	2.0	20	50	4	O
HEX20R05256004	2.0	0.5R	2.0	25	60	4	O
HEX25R01105004	2.5	0.1R	2.5	10	50	4	O
HEX25R01165004	2.5	0.1R	2.5	16	50	4	O
HEX25R01205004	2.5	0.1R	2.5	20	50	4	O
HEX25R01256004	2.5	0.1R	2.5	25	60	4	O
HEX25R02105004	2.5	0.2R	2.5	10	50	4	O
HEX25R02165004	2.5	0.2R	2.5	16	50	4	O
HEX25R02205004	2.5	0.2R	2.5	20	50	4	O
HEX25R02256004	2.5	0.2R	2.5	25	60	4	O
HEX25R03105004	2.5	0.3R	2.5	10	50	4	O
HEX25R03165004	2.5	0.3R	2.5	16	50	4	O
HEX25R03205004	2.5	0.3R	2.5	20	50	4	O
HEX25R03256004	2.5	0.3R	2.5	25	60	4	O
HEX25R05105004	2.5	0.5R	2.5	10	50	4	O
HEX25R05165004	2.5	0.5R	2.5	16	50	4	O
HEX25R05205004	2.5	0.5R	2.5	20	50	4	O
HEX25R05256004	2.5	0.5R	2.5	25	60	4	O
HEX30R01106006	3.0	0.1R	3.0	10	50	6	O
HEX30R01166006	3.0	0.1R	3.0	16	60	6	O
HEX30R01206006	3.0	0.1R	3.0	20	60	6	O
HEX30R01256006	3.0	0.1R	3.0	25	60	6	O
HEX30R01307506	3.0	0.1R	3.0	30	75	6	O
HEX30R01357506	3.0	0.1R	3.0	35	75	6	O
HEX30R02106006	3.0	0.2R	3.0	10	50	6	O
HEX30R02166006	3.0	0.2R	3.0	16	60	6	O
HEX30R02206006	3.0	0.2R	3.0	20	60	6	O
HEX30R02256006	3.0	0.2R	3.0	25	60	6	O
HEX30R02307506	3.0	0.2R	3.0	30	75	6	O
HEX30R02357506	3.0	0.2R	3.0	35	75	6	O
HEX30R03106006	3.0	0.3R	3.0	10	50	6	O
HEX30R03166006	3.0	0.3R	3.0	16	60	6	O
HEX30R03206006	3.0	0.3R	3.0	20	60	6	O
HEX30R03256006	3.0	0.3R	3.0	25	60	6	O
HEX30R03307506	3.0	0.3R	3.0	30	75	6	O
HEX30R03357506	3.0	0.3R	3.0	35	75	6	O

HEX 2 flutes long neck short flute corner radius end mills

二刃长颈短刃圆鼻铣刀







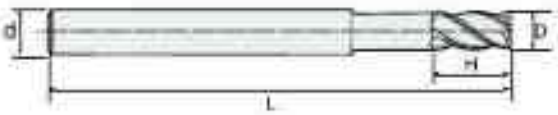
B184

Product Code 产品编号	Blade diameter 刃径	Corner radius R角	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
HEX30R03105006	3.0	0.3R	3.0	10	50	6	O
HEX30R03156006	3.0	0.3R	3.0	15	60	6	O
HEX30R03206006	3.0	0.3R	3.0	20	60	6	O
HEX30R03256006	3.0	0.3R	3.0	25	60	6	O
HEX30R03307506	3.0	0.3R	3.0	30	75	6	O
HEX30R03357506	3.0	0.3R	3.0	35	75	6	O
HEX30R10105006	3.0	1.0R	3.0	10	50	6	O
HEX30R10156006	3.0	1.0R	3.0	15	60	6	O
HEX30R10206006	3.0	1.0R	3.0	20	60	6	O
HEX30R10256006	3.0	1.0R	3.0	25	60	6	O
HEX30R10307506	3.0	1.0R	3.0	30	75	6	O
HEX30R10357506	3.0	1.0R	3.0	35	75	6	O
HEX40R01135006	4.0	0.1R	4.0	13	50	6	O
HEX40R01156006	4.0	0.1R	4.0	15	60	6	O
HEX40R01206006	4.0	0.1R	4.0	20	60	6	O
HEX40R01256006	4.0	0.1R	4.0	25	60	6	O
HEX40R01307506	4.0	0.1R	4.0	30	75	6	O
HEX40R01357506	4.0	0.1R	4.0	35	75	6	O
HEX40R02135006	4.0	0.2R	4.0	13	50	6	O
HEX40R02156006	4.0	0.2R	4.0	15	60	6	O
HEX40R02206006	4.0	0.2R	4.0	20	60	6	O
HEX40R02256006	4.0	0.2R	4.0	25	60	6	O
HEX40R02307506	4.0	0.2R	4.0	30	75	6	O
HEX40R02357506	4.0	0.2R	4.0	35	75	6	O
HEX40R03135006	4.0	0.3R	4.0	13	50	6	O
HEX40R03156006	4.0	0.3R	4.0	15	60	6	O
HEX40R03206006	4.0	0.3R	4.0	20	60	6	O
HEX40R03256006	4.0	0.3R	4.0	25	60	6	O
HEX40R03307506	4.0	0.3R	4.0	30	75	6	O
HEX40R03357506	4.0	0.3R	4.0	35	75	6	O
HEX40R05135006	4.0	0.5R	4.0	13	50	6	O
HEX40R05156006	4.0	0.5R	4.0	15	60	6	O
HEX40R05206006	4.0	0.5R	4.0	20	60	6	O
HEX40R05256006	4.0	0.5R	4.0	25	60	6	O
HEX40R05307506	4.0	0.5R	4.0	30	75	6	O
HEX40R05357506	4.0	0.5R	4.0	35	75	6	O
HEX40R10135006	4.0	1.0R	4.0	13	50	6	O
HEX40R10156006	4.0	1.0R	4.0	15	60	6	O
HEX40R10206006	4.0	1.0R	4.0	20	60	6	O
HEX40R10256006	4.0	1.0R	4.0	25	60	6	O
HEX40R10307506	4.0	1.0R	4.0	30	75	6	O
HEX40R10357506	4.0	1.0R	4.0	35	75	6	O
HEX50R01156006	5.0	0.1R	5.0	15	60	6	O
HEX50R01306006	5.0	0.1R	5.0	30	60	6	O
HEX50R02156006	5.0	0.2R	5.0	15	60	6	O
HEX50R02306006	5.0	0.2R	5.0	30	60	6	O
HEX50R03156006	5.0	0.3R	5.0	15	60	6	O
HEX50R03306006	5.0	0.3R	5.0	30	60	6	O
HEX50R05156006	5.0	0.5R	5.0	15	60	6	O
HEX50R05306006	5.0	0.5R	5.0	30	60	6	O
HEX50R10156006	5.0	1.0R	5.0	15	60	6	O
HEX50R10306006	5.0	1.0R	5.0	30	60	6	O

HEX 4 flutes high strength flat end mills

四刃强力平底铣刀







B185

Product Code 产品编号	Blade diameter 切径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
HEX4F01001502505004	1.0	1.5	2.5	50	4	○
HEX4F02003005006004	2.0	3.0	5.0	50	4	○
HEX4F03004507505006	3.0	4.5	7.5	50	6	○
HEX4F04006010005006	4.0	6.0	10.0	50	6	○
HEX4F05007512505006	5.0	7.5	12.5	50	6	○
HEX4F06009015005006	6.0	9.0	15.0	50	6	○
HEX4F08012020006008	8.0	12.0	20.0	60	8	○
HEX4F10015025075010	10.0	15.0	25.0	75	10	○
HEX4F12018030075012	12.0	18.0	30.0	75	12	○
HEX4F16024040100016	16.0	24.0	40.0	100	16	○
HEX4F20030050100020	20.0	30.0	50.0	100	20	○

Product Code 产品编号	Blade diameter 切径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
HEX4F1/8-S	1/8	5/32	1/2	2-1/2	1/4	○
HEX4F3/16-S	3/16	7/32	3/4	2-1/2	1/4	○
HEX4F1/4-S	1/4	9/32	3/4	2-1/2	1/4	○
HEX4F5/16-S	5/16	13/32	1	2-1/2	5/16	○
HEX4F3/8-S	3/8	15/32	1	2-1/2	3/8	○
HEX4F1/2-S	1/2	5/8	1-1/4	3	1/2	○
HEX4F5/8-S	5/8	3/4	1-1/2	3-1/2	5/8	○
HEX4F3/4-S	3/4	15/16	1-3/4	4	3/4	○

★ WORK MATERAIL 被削材质

HEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 次硬模具钢	S316 次硬不锈钢
●	●	●	●

★ TOLERANCES 公差

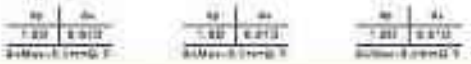
Blade diameter 刃径范围	Blade diameter tolerance 刃径公差
Φ≤12.0	0~-0.02
Φ>12.0	0~-0.03

Working material 被切材质	Hardened steel 淬火钢	Hardened steel 淬火钢	Hardened steel 淬火钢
Material code 材质编号	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等级	HRC 55	HRC 60	HRC 65
Vc	160M/min	150M/min	80M/min

Diameter 直径	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
6MM	8,500	2,450	7,950	2,000	5,300	1,310
8MM	6,350	2,440	5,950	1,995	4,000	1,215
10MM	5,100	2,450	4,700	1,970	3,200	1,215
12MM	4,250	2,450	3,950	1,995	2,650	1,310
14MM	3,600	2,420	3,400	1,995	2,250	1,300
16MM	3,150	2,420	3,000	2,000	1,850	1,295
18MM	2,800	2,450	2,650	2,000	1,750	1,300
20MM	2,600	2,400	2,350	1,970	1,550	1,190
25MM	2,000	2,400	1,900	1,990	1,250	1,190



Milling amount (mm)

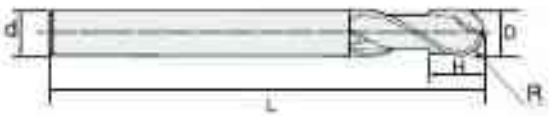


The feed & RPM may be changed depending on the M/C Conditions, Lubricating & Cooling systems

HEX 4 flutes high strength ball nose end mills

二刃強力球頭銑刀







Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
HEX2FR005010010030S004	0.50R	1.0	1.0	2	50	4	O
HEX2FR007515015030S004	0.75R	1.5	1.5	3	50	4	O
HEX2FR010020020040S006	1.00R	2.0	2.0	4	50	6	O
HEX2FR015030030060S006	1.50R	3.0	3.0	6	50	6	O
HEX2FR020040040080S006	2.00R	4.0	4.0	8	50	6	O
HEX2FR025050050100S006	2.50R	5.0	5.0	10	50	6	O
HEX2FR030060060120S006	3.00R	6.0	6.0	12	50	6	O
HEX2FR040080080160S008	4.00R	8.0	8.0	16	60	8	O
HEX2FR050100100200S010	5.00R	10.0	10.0	20	75	10	O
HEX2FR060120120240S012	6.00R	12.0	12.0	24	75	12	O
HEX2FR080160160320S016	8.00R	16.0	16.0	32	100	16	O

★ WORK MATERAIL 被削材質

HEX

P20 S45C 模具鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
●	●	●	●

★TOLERANCES 公差

Blade diameter 刃徑基準	Blade diameter tolerance 刃徑直徑公差
Φ ≤12.0	R ± 0.01
Φ >12.0	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 55	HRC 60	HRC 65
Vc	180M/min	175M/min	95M/min

Diameter 直徑	R.P.M	Feed (mm/tooth)	R.P.M	Feed (mm/tooth)	R.P.M	Feed (mm/min)
0.5R	30,000	860	30,000	850	25,500	930
1.0R	31,500	1,900	28,500	1,880	16,500	600
1.5R	21,000	2,040	19,000	1,880	10,500	625
2.0R	15,500	2,050	14,000	1,850	7,850	630
2.5R	12,500	2,040	11,000	1,815	6,350	630
3.0R	10,500	2,040	9,500	1,880	5,300	630
4.0R	7,950	1,550	7,150	1,400	3,950	470
5.0R	6,350	1,250	5,700	1,100	3,150	375
6.0R	5,300	1,050	4,750	950	2,650	315
8.0R	3,950	790	3,550	710	1,950	330

Milling amount (mm)



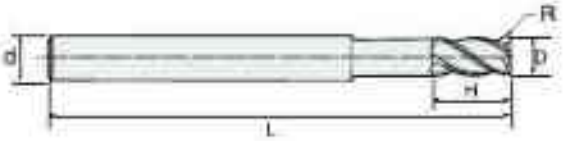


The feed & RPM may be changed depending on the M/C Conditions,Lubricating & Cooling systems.

HEX 4 flutes high strength corner radius end mills

四刃強力高鼻銑刀









B187

Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
HEX4F030R01003005006	0.1R	3	3	7.5	50	6	○
HEX4F030R05003005006	0.5R	3	3	7.5	50	6	○
HEX4F040R02004005006	0.2R	4	4	10.0	50	6	○
HEX4F040R05004005006	0.5R	4	4	10.0	50	6	○
HEX4F050R02005005006	0.2R	5	5	12.5	50	6	○
HEX4F050R05005005006	0.5R	5	5	12.5	50	6	○
HEX4F060R02006005006	0.2R	6	6	15.0	50	6	○
HEX4F060R05006005006	0.5R	6	6	15.0	50	6	○
HEX4F060R10006005006	1.0R	6	6	15.0	50	6	○
HEX4F080R03008006008	0.3R	8	8	20.0	60	8	○
HEX4F080R05008006008	0.5R	8	8	20.0	60	8	○
HEX4F080R10008006008	1.0R	8	8	20.0	60	8	○
HEX4F080R15008006008	1.5R	8	8	20.0	60	8	○
HEX4F100R03010007510	0.3R	10	10	25.0	75	10	○
HEX4F100R05010007510	0.5R	10	10	25.0	75	10	○
HEX4F100R10010007510	1.0R	10	10	25.0	75	10	○
HEX4F100R15010007510	1.5R	10	10	25.0	75	10	○
HEX4F100R20010007510	2.0R	10	10	25.0	75	10	○
HEX4F120R03012007512	0.3R	12	12	30.0	75	12	○
HEX4F120R05012007512	0.5R	12	12	30.0	75	12	○
HEX4F120R10012007512	1.0R	12	12	30.0	75	12	○
HEX4F120R15012007512	1.5R	12	12	30.0	75	12	○
HEX4F120R20012007512	2.0R	12	12	30.0	75	12	○

☆ WORK MATERAIL 被削材質

HEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 高硬度模具鋼	S316 高硬不銹鋼
●	●	●	●

☆ TOLERANCES 公差

Blade diameter 刃徑範圍	Blade diameter tolerance 刃徑直徑公差
Φ＜12.0	0~-0.02
Φ＞12.0	0~-0.03

R	R diameter tolerance
R	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 35~45	HRC 45~55	HRC 55~60
Vc	110M/min	85M/min	79M/min

Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
3MM	11,600	1,150	10,000	930	8,400	530
4MM	8,800	1,070	7,600	760	6,300	460
5MM	7,000	890	6,000	730	5,000	420
6MM	5,900	810	5,000	660	4,200	400
8MM	4,400	840	3,800	610	3,200	400
10MM	3,500	830	3,000	610	2,550	400
12MM	2,900	830	2,500	610	2,100	400

Milling amount (mm)





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

CEX

FOR HARDEND CUTTING

AS Super High Speed High Polished Hardened End Mill (Bronze) HRC70

AS超高速高光硬质刀（古铜色）HRC70度

Micro Diameter End Mill (Minimum Diameter 0.05mm)



TUNGSTEN CARBIDE

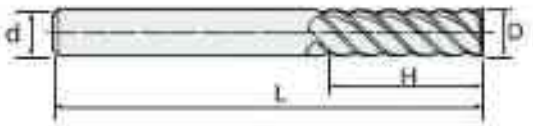
www.dohrecnc.com

CEX 6 flutes square end mills

6刃立铣刀







Product Code 产品编号	Blade diameter 刃径	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
CEX6F04001105006	4.0	11	50	6	O
CEX6F05001305006	5.0	13	50	6	O
CEX6F06001505006	6.0	15	50	6	O
CEX6F08002006008	8.0	20	60	8	O
CEX6F10002507510	10.0	25	75	10	O
CEX6F12003007512	12.0	30	75	12	O
CEX6F16004010016	16.0	40	100	16	O
CEX6F20004010020	20.0	40	100	20	O
CEX6F25004510025	25.0	45	100	25	O

★ WORK MATERAIL 被削材质

CEX

P20 S45C 模具钢	SCM SK 合金钢	SKT SKD 淬硬模具钢	S316 淬硬不锈钢
•	•	•	•

★ TOLERANCES 公差

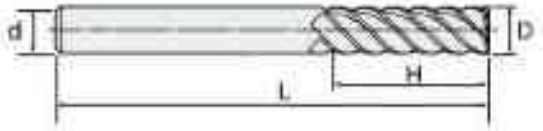
Blade diameter 刃径	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ4.0~Φ6.4	-0.01~-0.03	H6
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

Order code 订货编号: CEX 6F 040 011 050 06 AS

D H L d HRC70

CEX Long flute 6 flutes square end mills





Product Code	Blade diameter	Effective length	Full	Shank	Inventory
CEX6F04001607506	4.0	16	75	6	○
CEX6F05002007506	5.0	20	75	6	○
CEX6F06002507506	6.0	25	75	6	○
CEX6F08003007508	8.0	30	75	8	○
CEX6F04002010006	4.0	20	100	6	○
CEX6F05002510006	5.0	25	100	6	○
CEX6F06003010006	6.0	30	100	6	○
CEX6F08003510008	8.0	35	100	8	○
CEX6F10004010010	10.0	40	100	10	○
CEX6F12004510012	12.0	45	100	12	○
CEX6F08005015008	8.0	50	150	8	○
CEX6F10005015010	10.0	50	150	10	○
CEX6F12005015012	12.0	50	150	12	○
CEX6F16007015016	16.0	70	150	16	○
CEX6F20007015020	20.0	70	150	20	○
CEX6F25008015025	25.0	80	150	25	○

★ WORK MATERAIL

CEX

P20 S45C	SCM SK	SKT SKD	S316
●	●	●	●

★ TOLERANCES

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

CEX 2 flutes square end mills

2刃立铣刀







B191

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
CEX2F01003005004	1.0	3	50	4	○
CEX2F01504005004	1.5	4	50	4	○
CEX2F02006005004	2.0	6	50	4	○
CEX2F02507005004	2.5	7	50	4	○
CEX2F03008005004	3.0	8	50	4	○
CEX2F03510005004	3.5	10	50	4	○
CEX2F04011005004	4.0	11	50	4	○
CEX2F01003005006	1.0	3	50	6	○
CEX2F01504005006	1.5	4	50	6	○
CEX2F02006005006	2.0	6	50	6	○
CEX2F02507005006	2.5	7	50	6	○
CEX2F03008005006	3.0	8	50	6	○
CEX2F03510005006	3.5	10	50	6	○
CEX2F04011005006	4.0	11	50	6	○
CEX2F04513005006	4.5	13	50	6	○
CEX2F05013005006	5.0	13	50	6	○
CEX2F05513005006	5.5	13	50	6	○
CEX2F06015005006	6.0	15	50	6	○
CEX2F06517006008	6.5	17	60	8	○
CEX2F07017006008	7.0	17	60	8	○
CEX2F07517006008	7.5	17	60	8	○
CEX2F08020006008	8.0	20	60	8	○
CEX2F08523007510	8.5	23	75	10	○
CEX2F09023007510	9.0	23	75	10	○
CEX2F09525007510	9.5	25	75	10	○
CEX2F10025007510	10.0	25	75	10	○
CEX2F10525007512	10.5	25	75	12	○
CEX2F11028007512	11.0	28	75	12	○
CEX2F11528007512	11.5	28	75	12	○
CEX2F12030007512	12.0	30	75	12	○
CEX2F13040010014	13.0	40	100	14	○
CEX2F14040010014	14.0	40	100	14	○
CEX2F15040010016	15.0	40	100	16	○
CEX2F16040010016	16.0	40	100	16	○
CEX2F17040010018	17.0	40	100	18	○
CEX2F18040010018	18.0	40	100	18	○
CEX2F19040010020	19.0	40	100	20	○
CEX2F20040010020	20.0	40	100	20	○
CEX2F22040010025	22.0	40	100	25	○
CEX2F25040010025	25.0	40	100	25	○

★ WORK MATERAIL 被削材质

CEX

P20 S45C 模具钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

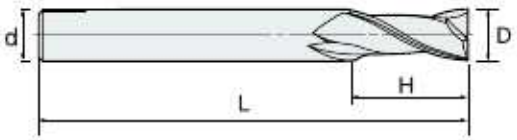
★ TOLERANCES 公差

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

CEX Long shank 2 flutes square end mills

長柄標準刃 2刃立銑刀









B192

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
CEX2F01003007504	1.0	3	75	4	○
CEX2F01504507504	1.5	4.5	75	4	○
CEX2F02006007504	2.0	6	75	4	○
CEX2F02507007504	2.5	7	75	4	○
CEX2F03008007504	3.0	8	75	4	○
CEX2F03510007504	3.5	10	75	4	○
CEX2F04011007504	4.0	11	75	4	○
CEX2F04513007506	4.5	13	75	6	○
CEX2F05013007506	5.0	13	75	6	○
CEX2F05513007506	5.5	13	75	6	○
CEX2F06015007506	6.0	15	75	6	○
CEX2F06517007508	6.5	17	75	8	○
CEX2F07017007508	7.0	17	75	8	○
CEX2F07517007508	7.5	17	75	8	○
CEX2F08020007508	8.0	20	75	8	○
CEX2F03008010006	3.0	8	100	6	○
CEX2F04011010006	4.0	11	100	6	○
CEX2F05013010006	5.0	13	100	6	○
CEX2F06015010006	6.0	15	100	6	○
CEX2F07017010008	7.0	17	100	8	○
CEX2F08020010008	8.0	20	100	8	○
CEX2F09023010010	9.0	23	100	10	○
CEX2F10025010010	10.0	25	100	10	○
CEX2F11028010012	11.0	28	100	12	○
CEX2F12030010012	12.0	30	100	12	○
CEX2F08020015008	8.0	20	150	8	○
CEX2F10025015010	10.0	25	150	10	○
CEX2F12030015012	12.0	30	150	12	○
CEX2F16030015016	16.0	30	150	16	○
CEX2F18040015018	18.0	40	150	18	○
CEX2F20040015020	20.0	40	150	20	○
CEX2F16040020016	16.0	40	200	16	○
CEX2F20040020020	20.0	40	200	20	○

★ WORK MATERAIL 被削材质

CEX

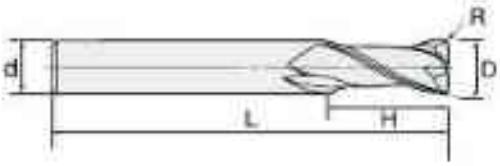
P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

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

CEX 2 flutes corner radius end mills







Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory
CEX2F010R0203006004	1.0	0.2	3	50	4	O
CEX2F010R0204005004	1.5	0.2	4	50	4	O
CEX2F015R0504005004	1.5	0.5	4	50	4	O
CEX2F020R0206005004	2.0	0.2	6	50	4	O
CEX2F020R0506005004	2.0	0.5	6	50	4	O
CEX2F025R0208005004	2.5	0.2	8	50	4	O
CEX2F025R0508005004	2.5	0.5	8	50	4	O
CEX2F030R0208005004	3.0	0.2	8	50	4	O
CEX2F030R0508005004	3.0	0.5	8	50	4	O
CEX2F030R1008005004	3.0	1.0	8	50	4	O
CEX2F040R0211005004	4.0	0.2	11	50	4	O
CEX2F040R0511005004	4.0	0.5	11	50	4	O
CEX2F040R1011005004	4.0	1.0	11	50	4	O
CEX2F050R0513005006	5.0	0.5	13	50	6	O
CEX2F050R1013005006	5.0	1.0	13	50	6	O
CEX2F060R0215005006	6.0	0.2	15	50	6	O
CEX2F060R0515005006	6.0	0.5	15	50	6	O
CEX2F060R1015005006	6.0	1.0	15	50	6	O
CEX2F060R1515005006	6.0	1.5	15	50	6	O
CEX2F060R2015005006	6.0	2.0	15	50	6	O
CEX2F080R0520006008	8.0	0.5	20	60	8	O
CEX2F080R1020006008	8.0	1.0	20	60	8	O
CEX2F080R1520006008	8.0	1.5	20	60	8	O
CEX2F080R2020006008	8.0	2.0	20	60	8	O
CEX2F100R0525007510	10.0	0.5	25	75	10	O
CEX2F100R1025007510	10.0	1.0	25	75	10	O
CEX2F100R1525007510	10.0	1.5	25	75	10	O
CEX2F100R2025007510	10.0	2.0	25	75	10	O
CEX2F100R2525007510	10.0	2.5	25	75	10	O
CEX2F100R3025007510	10.0	3.0	25	75	10	O
CEX2F120R0530007512	12.0	0.5	30	75	12	O
CEX2F120R1030007512	12.0	1.0	30	75	12	O
CEX2F120R1530007512	12.0	1.5	30	75	12	O
CEX2F120R2030007512	12.0	2.0	30	75	12	O
CEX2F120R2530007512	12.0	2.5	30	75	12	O
CEX2F120R3030007512	12.0	3.0	30	75	12	O

★ WORK MATERAIL

CEX

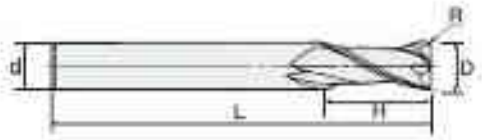
P20 S45C	SCM SK	SKT SKD	S316
•	•	•	•

★ TOLERANCES

Blade diameter	Blade diameter tolerance	Shank diameter tolerance
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ12.0	-0.01~-0.04	

CEX Long shank 2 flutes corner radius end mills







B194

Product Code	Blade diameter	R	Blade length	Full	Shank	Inventory
CEX2F010R0203007504	1.0	0.2	3	75	4	O
CEX2F015R0204007504	1.5	0.2	4	75	4	O
CEX2F015R0504007504	1.5	0.5	4	75	4	O
CEX2F020R0206007504	2.0	0.2	6	75	4	O
CEX2F020R0506007504	2.0	0.5	6	75	4	O
CEX2F025R0208007504	2.5	0.2	8	75	4	O
CEX2F025R0508007504	2.5	0.5	8	75	4	O
CEX2F030R0208007504	3.0	0.2	8	75	4	O
CEX2F030R0508007504	3.0	0.5	8	75	4	O
CEX2F030R1008007504	3.0	1.0	8	75	4	O
CEX2F040R0211007504	4.0	0.2	11	75	4	O
CEX2F040R0511007504	4.0	0.5	11	75	4	O
CEX2F040R1011007504	4.0	1.0	11	75	4	O
CEX2F050R0513007506	5.0	0.5	13	75	6	O
CEX2F050R1013007506	5.0	1.0	13	75	6	O
CEX2F060R0215007506	6.0	0.2	15	75	6	O
CEX2F060R0515007506	6.0	0.5	15	75	6	O
CEX2F060R1015007506	6.0	1.0	15	75	6	O
CEX2F060R1515007506	6.0	1.5	15	75	6	O
CEX2F060R2015007506	6.0	2.0	15	75	6	O
CEX2F080R0520007508	8.0	0.5	20	75	8	O
CEX2F080R1020007508	8.0	1.0	20	75	8	O
CEX2F080R1520007508	8.0	1.5	20	75	8	O
CEX2F080R2020007508	8.0	2.0	20	75	8	O
CEX2F040R0211010006	4.0	0.2	11	100	6	O
CEX2F040R0511010006	4.0	0.5	11	100	6	O
CEX2F040R1011010006	4.0	1.0	11	100	6	O
CEX2F050R0513010006	5.0	0.5	13	100	6	O
CEX2F050R1013010006	5.0	1.0	13	100	6	O
CEX2F060R0215010006	6.0	0.2	15	100	6	O
CEX2F060R0515010006	6.0	0.5	15	100	6	O
CEX2F060R1015010006	6.0	1.0	15	100	6	O
CEX2F060R1515010006	6.0	1.5	15	100	6	O
CEX2F060R2015010006	6.0	2.0	15	100	6	O
CEX2F080R0520010008	8.0	0.5	20	100	8	O
CEX2F080R1020010008	8.0	1.0	20	100	8	O
CEX2F080R1520010008	8.0	1.5	20	100	8	O
CEX2F080R2020010008	8.0	2.0	20	100	8	O
CEX2F100R0925010010	10.0	0.5	25	100	10	O
CEX2F100R1025010010	10.0	1.0	25	100	10	O
CEX2F100R1525010010	10.0	1.5	25	100	10	O
CEX2F100R2025010010	10.0	2.0	25	100	10	O
CEX2F100R2525010010	10.0	2.5	25	100	10	O
CEX2F100R3025010010	10.0	3.0	25	100	10	O
CEX2F120R0930010012	12.0	0.5	30	100	12	O
CEX2F120R1030010012	12.0	1.0	30	100	12	O
CEX2F120R1530010012	12.0	1.5	30	100	12	O
CEX2F120R2030010012	12.0	2.0	30	100	12	O
CEX2F120R2530010012	12.0	2.5	30	100	12	O
CEX2F120R3030010012	12.0	3.0	30	100	12	O

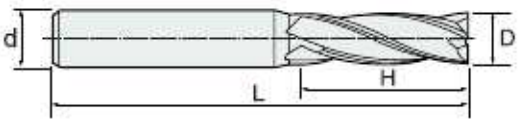
■Special specifications can be customized ■特殊规格可定制。

CEX 4 flutes square end mills

4刃立铣刀







NMG | 0.4μm | CO10% | HRC-70 | AlTiNS

B195

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
CEX4F01003005004	1.0	3	50	4	○
CEX4F01504505004	1.5	4.5	50	4	○
CEX4F02006005004	2.0	6	50	4	○
CEX4F02507005004	2.5	7	50	4	○
CEX4F03008005004	3.0	8	50	4	○
CEX4F03510005004	3.5	10	50	4	○
CEX4F04011005004	4.0	11	50	4	○
CEX4F04513005006	4.5	13	50	6	○
CEX4F05013005006	5.0	13	50	6	○
CEX4F05513005006	5.5	13	50	6	○
CEX4F06015005006	6.0	15	50	6	○
CEX4F06517006008	6.5	17	60	8	○
CEX4F07017006008	7.0	17	60	8	○
CEX4F07517006008	7.5	17	60	8	○
CEX4F08020006008	8.0	20	60	8	○
CEX4F08523007510	8.5	23	75	10	○
CEX4F09023007510	9.0	23	75	10	○
CEX4F09525007510	9.5	25	75	10	○
CEX4F10025007510	10.0	25	75	10	○
CEX4F10525007512	10.5	25	75	12	○
CEX4F11028007512	11.0	28	75	12	○
CEX4F11528007512	11.5	28	75	13	○
CEX4F12030007512	12.0	30	75	13	○
CEX4F13033010014	13.0	33	100	16	○
CEX4F14035010014	14.0	35	100	16	○
CEX4F15038010016	15.0	38	100	16	○
CEX4F16040010016	16.0	40	100	16	○
CEX4F17040010018	17.0	40	100	20	○
CEX4F18040010018	18.0	40	100	20	○
CEX4F19040010020	19.0	40	100	20	○
CEX4F20040010020	20.0	40	100	20	○
CEX4F22040010025	22.0	40	100	25	○
CEX4F25040010025	25.0	40	100	25	○

★ WORK MATERAIL 被削材质

CEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

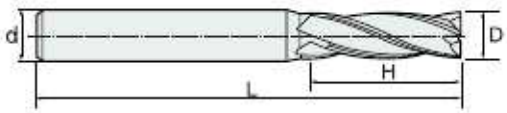
★ TOLERANCES 公差

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

CEX Long shank 4 flutes square end mills

長柄標準刃 4刃立銑刀









B196

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
CEX4F01003007504	1.0	3	75	4	O
CEX4F01504507504	1.5	4.5	75	4	O
CEX4F02006007504	2.0	6	75	4	O
CEX4F02507007504	2.5	7	75	4	O
CEX4F03008007504	3.0	8	75	4	O
CEX4F03510007504	3.5	10	75	4	O
CEX4F04011007504	4.0	11	75	4	O
CEX4F04513007506	4.5	13	75	6	O
CEX4F05013007506	5.0	13	75	6	O
CEX4F05513007506	5.5	13	75	6	O
CEX4F06015007506	6.0	15	75	6	O
CEX4F06517007508	6.5	17	75	8	O
CEX4F07017007508	7.0	17	75	8	O
CEX4F07517007508	7.5	17	75	8	O
CEX4F08020007508	8.0	20	75	8	O
CEX4F03008010006	3.0	8	100	6	O
CEX4F04011010006	4.0	11	100	6	O
CEX4F05013010006	5.0	13	100	6	O
CEX4F06015010006	6.0	15	100	6	O
CEX4F07017010008	7.0	17	100	8	O
CEX4F08020010008	8.0	20	100	8	O
CEX4F09023010010	9.0	23	100	10	O
CEX4F10025010010	10.0	25	100	10	O
CEX4F11028010012	11.0	28	100	12	O
CEX4F12030010012	12.0	30	100	12	O
CEX4F08020015008	8.0	20	150	8	O
CEX4F10025015010	10.0	25	150	10	O
CEX4F12030015012	12.0	30	150	12	O
CEX4F16040015016	16.0	40	150	16	O
CEX4F18040015018	18.0	40	150	18	O
CEX4F20040015020	20.0	40	150	20	O
CEX4F16040020016	16.0	40	200	16	O
CEX4F20040020020	20.0	40	200	20	O

★ WORK MATERAIL 被削材质

CEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

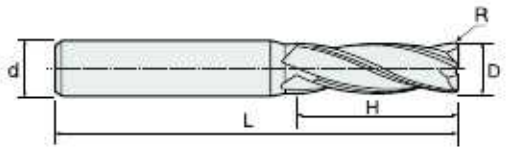
★ TOLERANCES 公差

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

CEX 4 flutes corner radius end mills

圓鼻 4刃立銑刀









B197

Product Code 產品編號	Blade diameter 刃徑	R	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存
CEX4F010R0203005004	1.0	0.2	3	50	4	○
CEX4F015R0204005004	1.5	0.2	4	50	4	○
CEX4F015R0504005004	1.5	0.5	4	50	4	○
CEX4F020R0206005004	2.0	0.2	6	50	4	○
CEX4F020R0506005004	2.0	0.5	6	50	4	○
CEX4F025R0208005004	2.5	0.2	8	50	4	○
CEX4F025R0508005004	2.5	0.5	8	50	4	○
CEX4F030R0208005004	3.0	0.2	8	50	4	○
CEX4F030R0508005004	3.0	0.5	8	50	4	○
CEX4F030R1008005004	3.0	1.0	8	50	4	○
CEX4F040R0211005004	4.0	0.2	11	50	4	○
CEX4F040R0511005004	4.0	0.5	11	50	4	○
CEX4F040R1011005004	4.0	1.0	11	50	4	○
CEX4F050R0513005006	5.0	0.5	13	50	6	○
CEX4F050R1013005006	5.0	1.0	13	50	6	○
CEX4F060R0215005006	6.0	0.2	15	50	6	○
CEX4F060R0515005006	6.0	0.5	15	50	6	○
CEX4F060R1015005006	6.0	1.0	15	50	6	○
CEX4F060R1515005006	6.0	1.5	15	50	6	○
CEX4F060R2015005006	6.0	2.0	15	50	6	○
CEX4F080R0520006008	8.0	0.5	20	60	8	○
CEX4F080R1020006008	8.0	1.0	20	60	8	○
CEX4F080R1520006008	8.0	1.5	20	60	8	○
CEX4F080R2020006008	8.0	2.0	20	60	8	○
CEX4F100R0525007510	10.0	0.5	25	75	10	○
CEX4F100R1025007510	10.0	1.0	25	75	10	○
CEX4F100R1525007510	10.0	1.5	25	75	10	○
CEX4F100R2025007510	10.0	2.0	25	75	10	○
CEX4F100R2525007510	10.0	2.5	25	75	10	○
CEX4F100R3025007510	10.0	3.0	25	75	10	○
CEX4F120R0530007512	12.0	0.5	30	75	12	○
CEX4F120R1030007512	12.0	1.0	30	75	12	○
CEX4F120R1530007512	12.0	1.5	30	75	12	○
CEX4F120R2030007512	12.0	2.0	30	75	12	○
CEX4F120R2530007512	12.0	2.5	30	75	12	○
CEX4F120R3030007512	12.0	3.0	30	75	12	○

★ WORK MATERAIL 被削材质

CEX

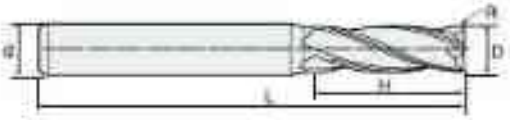
P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

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

CEX Long shank 4 flutes corner radius end mills







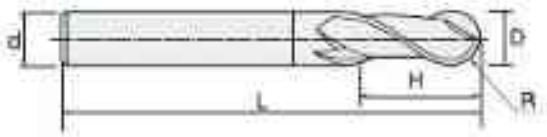
Product Code 产品编号	Blade diameter 刃径	R	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
CEX4F010R0203007504	1.0	0.2	3	75	4	0
CEX4F015R0204007504	1.5	0.2	4	75	4	0
CEX4F015R0504007504	1.5	0.5	4	75	4	0
CEX4F020R0206007504	2.0	0.2	6	75	4	0
CEX4F020R0506007504	2.0	0.5	6	75	4	0
CEX4F025R0208007504	2.5	0.2	8	75	4	0
CEX4F025R0508007504	2.5	0.5	8	75	4	0
CEX4F030R0208007504	3.0	0.2	8	75	4	0
CEX4F030R0508007504	3.0	0.5	8	75	4	0
CEX4F030R1008007504	3.0	1.0	8	75	4	0
CEX4F040R0211007504	4.0	0.2	11	75	4	0
CEX4F040R0511007504	4.0	0.5	11	75	4	0
CEX4F040R1011007504	4.0	1.0	11	75	4	0
CEX4F050R0513007506	5.0	0.5	13	75	6	0
CEX4F050R1013007506	5.0	1.0	13	75	6	0
CEX4F060R0215007506	6.0	0.2	15	75	6	0
CEX4F060R0515007506	6.0	0.5	15	75	6	0
CEX4F060R1015007506	6.0	1.0	15	75	6	0
CEX4F060R1515007506	6.0	1.5	15	75	6	0
CEX4F060R2015007506	6.0	2.0	15	75	6	0
CEX4F080R0620007508	8.0	0.5	20	75	8	0
CEX4F080R1020007508	8.0	1.0	20	75	8	0
CEX4F080R1520007508	8.0	1.5	20	75	8	0
CEX4F080R2020007508	8.0	2.0	20	75	8	0
CEX4F040R0211010006	4.0	0.2	11	100	6	0
CEX4F040R0511010006	4.0	0.5	11	100	6	0
CEX4F040R1011010006	4.0	1.0	11	100	6	0
CEX4F050R0513010006	5.0	0.5	13	100	6	0
CEX4F050R1013010006	5.0	1.0	13	100	6	0
CEX4F060R0215010006	6.0	0.2	15	100	6	0
CEX4F060R0515010006	6.0	0.5	15	100	6	0
CEX4F060R1015010006	6.0	1.0	15	100	6	0
CEX4F060R1515010006	6.0	1.5	15	100	6	0
CEX4F060R2015010006	6.0	2.0	15	100	6	0
CEX4F080R0520010008	8.0	0.5	20	100	8	0
CEX4F080R1020010008	8.0	1.0	20	100	8	0
CEX4F080R1520010008	8.0	1.5	20	100	8	0
CEX4F080R2020010008	8.0	2.0	20	100	8	0
CEX4F100R0525010010	10.0	0.5	25	100	10	0
CEX4F100R1025010010	10.0	1.0	25	100	10	0
CEX4F100R1525010010	10.0	1.5	25	100	10	0
CEX4F100R2025010010	10.0	2.0	25	100	10	0
CEX4F100R2525010010	10.0	2.5	25	100	10	0
CEX4F100R3025010010	10.0	3.0	25	100	10	0
CEX4F120R0530010012	12.0	0.5	30	100	12	0
CEX4F120R1030010012	12.0	1.0	30	100	12	0
CEX4F120R1530010012	12.0	1.5	30	100	12	0
CEX4F120R2030010012	12.0	2.0	30	100	12	0
CEX4F120R2530010012	12.0	2.5	30	100	12	0
CEX4F120R3030010012	12.0	3.0	30	100	12	0

■Special specifications can be customized. ■特殊规格可订制。

CEX 2 flutes ball nose end mills

2刃球型立铣刀





B199

Product Code 产品编号	R Blade 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存
CEX2FR005002005004	R0.50	2.0	50	4	○
CEX2FR007503005004	R0.75	3.0	50	4	○
CEX2FR010004005004	R1.00	4.0	50	4	○
CEX2FR012505005004	R1.25	5.0	50	4	○
CEX2FR015006005004	R1.50	6.0	50	4	○
CEX2FR017507005004	R1.75	7.0	50	4	○
CEX2FR020008005004	R2.00	8.0	50	4	○
CEX2FR005002005006	R0.50	2.0	50	6	○
CEX2FR007503005006	R0.75	3.0	50	6	○
CEX2FR010004005006	R1.00	4.0	50	6	○
CEX2FR012505005006	R1.25	5.0	50	6	○
CEX2FR015006005006	R1.50	6.0	50	6	○
CEX2FR017507005006	R1.75	7.0	50	6	○
CEX2FR020008005006	R2.00	8.0	50	6	○
CEX2FR022509005006	R2.25	9.0	50	6	○
CEX2FR025010005006	R2.50	10.0	50	6	○
CEX2FR027511005006	R2.75	11.0	50	6	○
CEX2FR030012005006	R3.00	12.0	50	6	○
CEX2FR032513006008	R3.25	13.0	60	8	○
CEX2FR035014006008	R3.50	14.0	60	8	○
CEX2FR037515006008	R3.75	15.0	60	8	○
CEX2FR040016006008	R4.00	16.0	60	8	○
CEX2FR045018007510	R4.50	18.0	75	10	○
CEX2FR050020007510	R5.00	20.0	75	10	○
CEX2FR060024007512	R6.00	24.0	75	12	○
CEX2FR070030010014	R7.00	30.0	100	14	○
CEX2FR080030010016	R8.00	30.0	100	16	○
CEX2FR090030010018	R9.00	30.0	100	18	○
CEX2FR100030010020	R10.0	30.0	100	20	○
CEX2FR125030010025	R12.5	30.0	100	25	○

★ WORK MATERAIL 被削材质

CEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

R	R diameter tolerance
R	R±0.015

★ TOLERANCES 公差

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

CEX Long shank 2 flutes ball nose end mills







B200

Product Code	R Blade	Blade length	Full	Shank	Inventory
CEX2FR005002007504	R0.50	2	75	4	○
CEX2FR007503007504	R0.75	3	75	4	○
CEX2FR010004007504	R1.00	4	75	4	○
CEX2FR012505007504	R1.25	5	75	4	○
CEX2FR015006007504	R1.50	6	75	4	○
CEX2FR017507007504	R1.75	7	75	4	○
CEX2FR020008007504	R2.00	8	75	4	○
CEX2FR022509007506	R2.25	9	75	6	○
CEX2FR025010007506	R2.50	10	75	6	○
CEX2FR027511007506	R2.75	11	75	6	○
CEX2FR030012007506	R3.00	12	75	6	○
CEX2FR040016007508	R4.00	16	75	8	○
CEX2FR005002010006	R0.50	2	100	6	○
CEX2FR007503010006	R0.75	3	100	6	○
CEX2FR010004010006	R1.00	4	100	6	○
CEX2FR012506010006	R1.25	5	100	6	○
CEX2FR015006010006	R1.50	6	100	6	○
CEX2FR017507010006	R1.75	7	100	6	○
CEX2FR020008010006	R2.00	8	100	6	○
CEX2FR022509010006	R2.25	9	100	6	○
CEX2FR025010010006	R2.50	10	100	6	○
CEX2FR027511010006	R2.75	11	100	6	○
CEX2FR030012010006	R3.00	12	100	6	○
CEX2FR040016010008	R4.00	16	100	8	○
CEX2FR050020010010	R5.00	20	100	10	○
CEX2FR060024010012	R6.00	24	100	12	○
CEX2FR030012015006	R3.00	12	150	6	○
CEX2FR040016015008	R4.00	16	150	8	○
CEX2FR050020015010	R5.00	20	150	10	○
CEX2FR060024015012	R6.00	24	150	12	○
CEX2FR070030015014	R7.00	30	150	14	○
CEX2FR080030015016	R8.00	30	150	16	○
CEX2FR100030015020	R10.00	30	150	20	○
CEX2FR040016020008	R4.00	16	200	8	○
CEX2FR050020020010	R5.00	20	200	10	○
CEX2FR060024020012	R6.00	24	200	12	○
CEX2FR070030020014	R7.00	30	200	14	○
CEX2FR080030020016	R8.00	30	200	16	○
CEX2FR100030020020	R10.00	30	200	20	○

★ WORK MATERAIL 被削材质

CEX

P20 S45C	SCM SK	SKT SKD	S316
碳素钢	合金钢	加硬模具钢	加硬不锈钢
●	●	●	●

R	R diameter tolerance
R	R ± 0.015

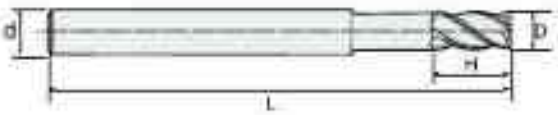
★ TOLERANCES 公差

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

CEX 4 flutes high strength flat end mills

四刃强力平底铣刀







B201

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
CEX4F01001502505004	1.0	1.5	2.5	50	4	○
CEX4F02003005005004	2.0	3.0	5.0	50	4	○
CEX4F03004507505006	3.0	4.5	7.5	50	6	○
CEX4F04006010005006	4.0	6.0	10.0	50	6	○
CEX4F05007512505006	5.0	7.5	12.5	50	6	○
CEX4F06009016005006	6.0	9.0	15.0	50	6	○
CEX4F08012020006008	8.0	12.0	20.0	60	8	○
CEX4F10015025075010	10.0	15.0	25.0	75	10	○
CEX4F12018030075012	12.0	18.0	30.0	75	12	○
CEX4F16024040100016	16.0	24.0	40.0	100	16	○
CEX4F20030050100020	20.0	30.0	50.0	100	20	○

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Effective length 有效长	Full 全长	Shank 柄径	Inventory 库存
CEX4F1/8-S	1/8	5/32	1/2	2-1/2	1/4	○
CEX4F3/16-S	3/16	7/32	3/4	2-1/2	1/4	○
CEX4F1/4-S	1/4	9/32	3/4	2-1/2	1/4	○
CEX4F5/16-S	5/16	13/32	1	2-1/2	5/16	○
CEX4F3/8-S	3/8	15/32	1	2-1/2	3/8	○
CEX4F1/2-S	1/2	5/8	1-1/4	3	1/2	○
CEX4F5/8-S	5/8	3/4	1-1/2	3-1/2	5/8	○
CEX4F3/4-S	3/4	15/16	1-3/4	4	3/4	○

★ WORK MATERAIL 被加材质

CEX

P20 S45C 模具钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★TOLERANCES 公差

Blade diameter 刃径范围	Blade diameter tolerance 刃径公差
Φ≤12.0	0~-0.02
Φ>12.0	0~-0.03

Working material 被加材质	Hardened steel 淬火钢	Hardened steel 淬火钢	Hardened steel 淬火钢
Material code 材质编号	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等级	HRC 45~55	HRC 55~60	HRC 60~70
Vc	160M/min	150M/min	80M/min

Diameter 直径	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
6MM	8,500	2,450	7,950	2,000	5,300	1,310
8MM	6,350	2,440	5,950	1,995	4,000	1,215
10MM	5,100	2,450	4,700	1,970	3,200	1,215
12MM	4,250	2,450	3,950	1,995	2,650	1,310
14MM	3,600	2,420	3,400	1,995	2,250	1,300
16MM	3,150	2,420	3,000	2,000	1,850	1,295
18MM	2,800	2,450	2,650	2,000	1,750	1,300
20MM	2,600	2,400	2,350	1,970	1,550	1,190
25MM	2,000	2,400	1,900	1,990	1,250	1,190



Milling amount (mm)

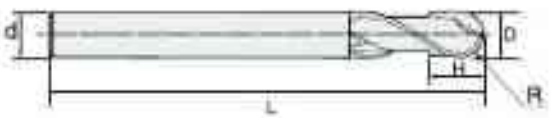


The feed & RPM may be changed depending on the M/C Conditions, Lubricating & Cooling systems

CEX 4 flutes high strength ball nose end mills

二刃強力球頭銑刀







B202

Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
CEX2FR0050100100205004	0.50R	1.0	1.0	2	50	4	O
CEX2FR0075150150305004	0.75R	1.5	1.5	3	50	4	O
CEX2FR0100200200405006	1.00R	2.0	2.0	4	50	6	O
CEX2FR0150300300605006	1.50R	3.0	3.0	6	50	6	O
CEX2FR0200400400805006	2.00R	4.0	4.0	8	50	6	O
CEX2FR0250500501005006	2.50R	5.0	5.0	10	50	6	O
CEX2FR0300600601205006	3.00R	6.0	6.0	12	50	6	O
CEX2FR0400800801606008	4.00R	8.0	8.0	16	60	8	O
CEX2FR0501001002007510	5.00R	10.0	10.0	20	75	10	O
CEX2FR0601201202407512	6.00R	12.0	12.0	24	75	12	O
CEX2FR0801601603210016	8.00R	16.0	16.0	32	100	16	O

★ WORK MATERAIL 被削材質

CEX

P20 S45C 碳素鋼	SCM SK 合金鋼	SKT SKD 加硬模具鋼	S316 加硬不銹鋼
●	●	●	●

★TOLERANCES 公差

Blade diameter 刃徑範圍	Blade diameter tolerance 刃徑直徑公差
Φ ≤12.0	R ± 0.01
Φ >12.0	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 45~55	HRC 55~60	HRC 60~70
Vc	180M/min	175M/min	95M/min

Diameter 直徑	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)	R.P.M	Feed (mm/min)
0.5R	30,000	860	30,000	850	25,500	930
1.0R	31,500	1,900	28,500	1,880	16,500	600
1.5R	21,000	2,040	19,000	1,880	10,500	625
2.0R	15,500	2,050	14,000	1,850	7,850	630
2.5R	12,500	2,040	11,000	1,815	6,350	630
3.0R	10,500	2,040	9,500	1,880	5,300	630
4.0R	7,950	1,550	7,150	1,400	3,950	470
5.0R	6,350	1,250	5,700	1,100	3,150	375
6.0R	5,300	1,050	4,750	950	2,650	315
8.0R	3,950	790	3,550	710	1,950	330

Milling amount (mm)



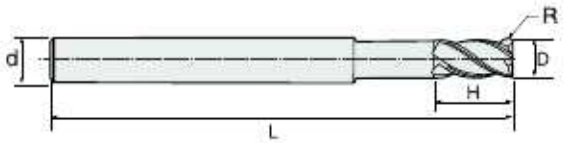


The feed & RPM may be changed depending on the M/C Conditions Lubricating & Cooling systems.

CEX 4 flutes high strength corner radius end mills

四刃强力圆鼻铣刀





B203



Product Code 產品編號	Radius 半徑	Blade diameter 刃徑	Blade length 刃長	Effective length 有效長	Full 全長	Shank 柄徑	Inventory 庫存
CEX4F030R01003005006	0.1R	3	3	7.5	50	6	O
CEX4F030R05003005006	0.5R	3	3	7.5	50	6	O
CEX4F040R02004005006	0.2R	4	4	10.0	50	6	O
CEX4F040R05004005006	0.5R	4	4	10.0	50	6	O
CEX4F050R02005005006	0.2R	5	5	12.5	50	6	O
CEX4F050R05005005006	0.5R	5	5	12.5	50	6	O
CEX4F060R02006005006	0.2R	6	6	15.0	50	6	O
CEX4F060R05006005006	0.5R	6	6	15.0	50	6	O
CEX4F060R10006005006	1.0R	6	6	15.0	50	6	O
CEX4F080R03008006008	0.3R	8	8	20.0	60	8	O
CEX4F080R05008006008	0.5R	8	8	20.0	60	8	O
CEX4F080R10008006008	1.0R	8	8	20.0	60	8	O
CEX4F080R15008006008	1.5R	8	8	20.0	60	8	O
CEX4F100R03010007510	0.3R	10	10	25.0	75	10	O
CEX4F100R05010007510	0.5R	10	10	25.0	75	10	O
CEX4F100R10010007510	1.0R	10	10	25.0	75	10	O
CEX4F100R15010007510	1.5R	10	10	25.0	75	10	O
CEX4F100R20010007510	2.0R	10	10	25.0	75	10	O
CEX4F120R03012007512	0.3R	12	12	30.0	75	12	O
CEX4F120R05012007512	0.5R	12	12	30.0	75	12	O
CEX4F120R10012007512	1.0R	12	12	30.0	75	12	O
CEX4F120R15012007512	1.5R	12	12	30.0	75	12	O
CEX4F120R20012007512	2.0R	12	12	30.0	75	12	O

★ WORK MATERAIL 被削材质

CEX

P20 S45C 碳素钢	SCM SK 合金钢	SKT SKD 加硬模具钢	S316 加硬不锈钢
●	●	●	●

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差
Φ ≤ 12.0	0~-0.02
Φ > 12.0	0~-0.03

R	R diameter tolerance
R	R ± 0.015

Working material 被切材質	Hardened steel 淬火鋼	Hardened steel 淬火鋼	Hardened steel 淬火鋼
Material code 材質編碼	SKT,SKD	SKT,SKD	SKT,SKD
Hardness grade 硬度等級	HRC 35~45	HRC 45~55	HRC 55~60
Vc	110M/min	95M/min	79M/min

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

Milling amount (mm)

	Aa	Ar
D < Φ8	0.3D	0.01D
Φ8≤D	0.3D	0.02D



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

AEX

Exclusive For Cutting Aluminum

AEX-High Polished Aluminum End Mill (Uncoated) HRC58

AEX-高光铝用铣刀（本色-未涂层）HRC50度

AEX-DLC High Polished Coated Aluminum End Mill (Uncoated) HRC55

AEX-DLC 高光铝用铣刀（本色-未涂层）HRC60度



TUNGSTEN CARBIDE

www.dohrecnc.com

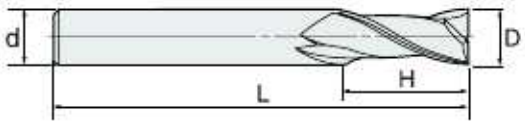
AEX 2 Flutes Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

鋁合金專用 2刃立銑刀(45° 螺旋角、雙後角)





MG | 0.6μm | CO10% | HRC-50 | NO | HRC-55 | DLC



Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
AEX2F01003005004	1.0	3	50	4	○	○
AEX2F01504505004	1.5	4.5	50	4	○	○
AEX2F02006005004	2.0	6	50	4	○	○
AEX2F02507005004	2.5	7	50	4	○	○
AEX2F03008005004	3.0	8	50	4	○	○
AEX2F04011005004	4.0	11	50	4	○	○
AEX2F05013005006	5.0	13	50	6	○	○
AEX2F06015005006	6.0	15	50	6	○	○
AEX2F07018006008	7.0	18	60	8	○	○
AEX2F08020006008	8.0	20	60	8	○	○
AEX2F09023007510	9.0	23	75	10	○	○
AEX2F10025007510	10.0	25	75	10	○	○
AEX2F11028007512	11.0	28	75	12	○	○
AEX2F12030007512	12.0	30	75	12	○	○
AEX2F16045010016	16.0	45	100	16	○	○
AEX2F20045010020	20.0	45	100	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY

铝合金

●

★ TOLERANCES 公差

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

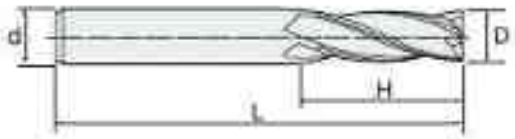
Order code: AEX 2F 010 030 050 04 DLC
訂貨編號: D H L d HRC55

AEX 2F 010 030 050 04 NO
D H L d HRC50

AEX 2 Flutes long Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)







B206

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
AEX2F03012D07506	3.0	12	75	6	○	○
AEX2F04016D07506	4.0	16	75	6	○	○
AEX2F05020D07506	5.0	20	75	6	○	○
AEX2F06025D07506	6.0	25	75	6	○	○
AEX2F08030D07508	8.0	30	75	8	○	○
AEX2F03012D10006	3.0	12	100	6	○	○
AEX2F04016D10006	4.0	16	100	6	○	○
AEX2F05020D10006	5.0	20	100	6	○	○
AEX2F06025D10006	6.0	25	100	6	○	○
AEX2F08030D10008	8.0	30	100	8	○	○
AEX2F10040D10010	10.0	40	100	10	○	○
AEX2F12045D10012	12.0	45	100	12	○	○
AEX2F08040D15008	8.0	40	150	8	○	○
AEX2F10050D15010	10.0	50	150	10	○	○
AEX2F12050D15012	12.0	50	150	12	○	○
AEX2F16070D15016	16.0	70	150	16	○	○
AEX2F20080D15020	20.0	80	150	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★ TOLERANCES 公差

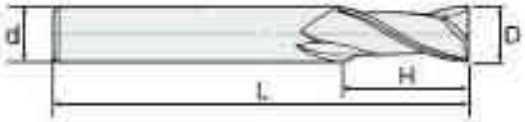
Blade diameter 刃径规格	Blade diameter tolerance 刃径规格公差	Shank diameter tolerance 柄径规格公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.016~-0.045	

AEX 2 Flutes Aluminum Square End Mill (55 Degree Helix Angle, Single Axis Relief Angle)

铝合金专用 2刃 0.5螺旋(55° 螺旋角、单度角)









B207

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
AEX2F0100306004	1.0	3	50	4	○	○
AEX2F0150409004	1.5	4.5	50	4	○	○
AEX2F0200605004	2.0	6	50	4	○	○
AEX2F0250706004	2.5	7	50	4	○	○
AEX2F0300805004	3.0	8	50	4	○	○
AEX2F0401105004	4.0	11	50	4	○	○
AEX2F0501305006	5.0	13	50	6	○	○
AEX2F0601505006	6.0	15	50	6	○	○
AEX2F0701806008	7.0	18	60	8	○	○
AEX2F0802006008	8.0	20	60	8	○	○
AEX2F0902307510	9.0	23	75	10	○	○
AEX2F1002507510	10.0	25	75	10	○	○
AEX2F1102807512	11.0	28	75	12	○	○
AEX2F1203007512	12.0	30	75	12	○	○
AEX2F1604001016	16.0	40	100	16	○	○
AEX2F2004001020	20.0	40	100	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★TOLERANCES 公差

Blade diameter 刃径规格	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

AEX 2 Flutes long Aluminum Square End Mill (55 Degree Helix Angle, Single Axis Relief Angle)

鋁合金專用 2刃長刃立銑刀(55° 螺旋角、單後角)







MG | 0.6μm | CO10% | HRC-50 | NO | HRC-55 | DLC

B208

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
AEX2F03012007506	3.0	12	75	6	○	○
AEX2F04016007506	4.0	16	75	6	○	○
AEX2F05020007506	5.0	20	75	6	○	○
AEX2F06025007506	6.0	25	75	6	○	○
AEX2F08030007508	8.0	30	75	8	○	○
AEX2F03012010006	3.0	12	100	6	○	○
AEX2F04016010006	4.0	16	100	6	○	○
AEX2F05020010006	5.0	20	100	6	○	○
AEX2F06025010006	6.0	25	100	6	○	○
AEX2F08030010008	8.0	30	100	8	○	○
AEX2F10040010010	10.0	40	100	10	○	○
AEX2F12045010012	12.0	45	100	12	○	○
AEX2F08040015008	8.0	40	150	8	○	○
AEX2F10050015010	10.0	50	150	10	○	○
AEX2F12050015012	12.0	50	150	12	○	○
AEX2F16070015016	16.0	70	150	16	○	○
AEX2F20080015020	20.0	80	150	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
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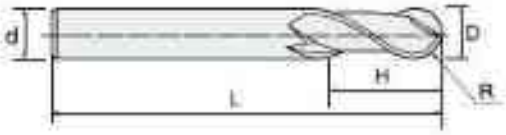
★ TOLERANCES 公差

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

AEX 2 Flutes Aluminum Ball Nose End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

铝合金专用 2刃球头立铣刀(45° 螺旋角、双重角)





Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
AEX 2FR05002005004	R0.50	2	50	4	○	○
AEX 2FR07503005004	R0.75	3	50	4	○	○
AEX 2FR10004005004	R1.00	4	50	4	○	○
AEX 2FR12505005004	R1.25	5	50	4	○	○
AEX 2FR12506005004	R1.50	6	50	4	○	○
AEX 2FR17507005004	R1.75	7	50	4	○	○
AEX 2FR20008005004	R2.00	8	50	4	○	○
AEX 2FR25010005006	R2.50	10	50	6	○	○
AEX 2FR30012005006	R3.00	12	50	6	○	○
AEX 2FR40016006008	R4.00	16	60	8	○	○
AEX 2FR50020007510	R5.00	20	75	10	○	○
AEX 2FR60024007512	R6.00	24	75	12	○	○
AEX 2FR80032010016	R8.00	32	100	16	○	○
AEX 2FR100040010020	R10.00	40	100	20	○	○

★ WORK MATERAIL 被加材质

ALUMINUM ALLOY
铝合金
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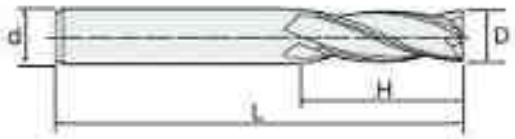
★ TOLERANCES 公差

Blade diameter 刃径范围	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

AEX 3 Flutes Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

铝合金专用3刃立铣刀(45° 螺旋角、双重角)









B210

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
AEX3F01003005004	1.0	3	50	4	○	○
AEX3F01504505004	1.5	4.5	50	4	○	○
AEX3F02006005004	2.0	6	50	4	○	○
AEX3F02507005004	2.5	7	50	4	○	○
AEX3F03008005004	3.0	8	50	4	○	○
AEX3F04011005004	4.0	11	50	4	○	○
AEX3F05013005006	5.0	13	50	6	○	○
AEX3F06015005006	6.0	15	50	6	○	○
AEX3F07018006008	7.0	18	60	8	○	○
AEX3F08020006008	8.0	20	60	8	○	○
AEX3F09023007510	9.0	23	75	10	○	○
AEX3F10025007510	10.0	25	75	10	○	○
AEX3F11028007512	11.0	28	75	12	○	○
AEX3F12030007512	12.0	30	75	12	○	○
AEX3F16045010016	16.0	45	100	16	○	○
AEX3F20045010020	20.0	45	100	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★TOLERANCES 公差

Blade diameter 刃径基数	Blade diameter tolerance 刃径基数公差	Shank diameter tolerance 柄径基数公差
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

AEX 3 Flutes long Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

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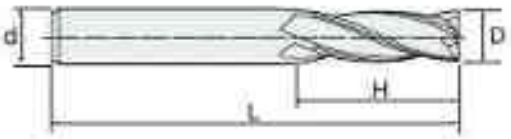


MD | 0.6μm | CD1mL | HRC-55 | NO | HRC-55 | DLC

B211

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
AEX3F03012007506	3.0	12	75	6	○	○
AEX3F04016007506	4.0	16	75	6	○	○
AEX3F05020007506	5.0	20	75	6	○	○
AEX3F06025007506	6.0	25	75	6	○	○
AEX3F08030007508	8.0	30	75	8	○	○
AEX3F03012010006	3.0	12	100	6	○	○
AEX3F04016010006	4.0	16	100	6	○	○
AEX3F05020010006	5.0	20	100	6	○	○
AEX3F06025010006	6.0	25	100	6	○	○
AEX3F08030010008	8.0	30	100	8	○	○
AEX3F10040010010	10.0	40	100	10	○	○
AEX3F12045010012	12.0	45	100	12	○	○
AEX3F08040015008	8.0	40	150	8	○	○
AEX3F10050015010	10.0	50	150	10	○	○
AEX3F12050015012	12.0	50	150	12	○	○
AEX3F16070015016	16.0	70	150	16	○	○
AEX3F20080015020	20.0	80	150	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

★ TOLERANCES 公差

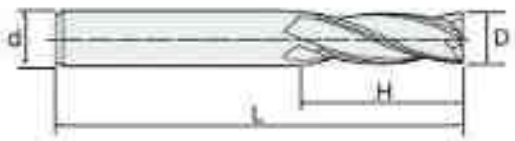
Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

AEX 3 Flutes Aluminum Square End Mill (55 Degree Helix Angle, Single Axis Relief Angle)

铝合金专用3刃方铣刀(55° 螺旋角、单度角)







B212

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
AEX3F01003005004	1.0	3	50	4	○	○
AEX3F01504505004	1.5	4.5	50	4	○	○
AEX3F02006005004	2.0	6	50	4	○	○
AEX3F02507005004	2.5	7	50	4	○	○
AEX3F03008005004	3.0	8	50	4	○	○
AEX3F04011005004	4.0	11	50	4	○	○
AEX3F05013005006	5.0	13	50	6	○	○
AEX3F06015005006	6.0	15	50	6	○	○
AEX3F07018006008	7.0	18	60	8	○	○
AEX3F08020006008	8.0	20	60	8	○	○
AEX3F09023007510	9.0	23	75	10	○	○
AEX3F10025007510	10.0	25	75	10	○	○
AEX3F11028007512	11.0	28	75	12	○	○
AEX3F12030007512	12.0	30	75	12	○	○
AEX3F16045010016	16.0	45	100	16	○	○
AEX3F20045010020	20.0	45	100	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★ TOLERANCES 公差

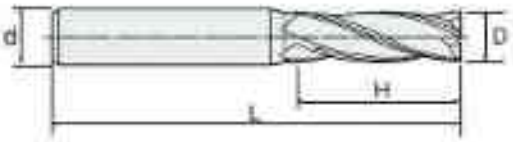
Blade diameter 刃径	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.016~-0.045	

AEX 3 Flutes long Aluminum Square End Mill (55 Degree Helix Angle, Single Axis Relief Angle)

鋁合金專用3刃長行立銑刀(55°螺旋角、單後角)







MD | 0.6μm | CD1m | HIC-55 | NO | HIC-55 | DLC

B213

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存 NO	Inventory 庫存 DLC
AEX3F03012007506	3.0	12	75	6	○	○
AEX3F04016007506	4.0	16	75	6	○	○
AEX3F05020007506	5.0	20	75	6	○	○
AEX3F06025007506	6.0	25	75	6	○	○
AEX3F08030007508	8.0	30	75	8	○	○
AEX3F03012010006	3.0	12	100	6	○	○
AEX3F04016010006	4.0	16	100	6	○	○
AEX3F05020010006	5.0	20	100	6	○	○
AEX3F06025010006	6.0	25	100	6	○	○
AEX3F08030010008	8.0	30	100	8	○	○
AEX3F10040010010	10.0	40	100	10	○	○
AEX3F12045010012	12.0	45	100	12	○	○
AEX3F08040015008	8.0	40	150	8	○	○
AEX3F10050015010	10.0	50	150	10	○	○
AEX3F12050015012	12.0	50	150	12	○	○
AEX3F16070015016	16.0	70	150	16	○	○
AEX3F20080015020	20.0	80	150	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

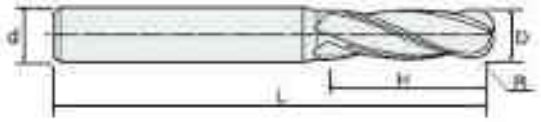
★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

AEX 3 Flutes Aluminum Ball Nose End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

铝合金专用3刃球头立铣刀(45°螺旋角、双重角)









B214

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
AEX 3FR05002005004	R0.50	2	50	4	○	○
AEX 3FR07503005004	R0.75	3	50	4	○	○
AEX 3FR10004005004	R1.00	4	50	4	○	○
AEX 3FR12505005004	R1.25	5	50	4	○	○
AEX 3FR15006005004	R1.50	6	50	4	○	○
AEX 3FR17507005004	R1.75	7	50	4	○	○
AEX 3FR20008005004	R2.00	8	50	4	○	○
AEX 3FR25010005006	R2.50	10	50	6	○	○
AEX 3FR30012005006	R3.00	12	50	6	○	○
AEX 3FR40016006008	R4.00	16	60	8	○	○
AEX 3FR50020007510	R5.00	20	75	10	○	○
AEX 3FR60024007512	R6.00	24	75	12	○	○
AEX 3FR80030010016	R8.00	30	100	16	○	○
AEX 3FR10030010020	R10.00	30	100	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★ TOLERANCES 公差

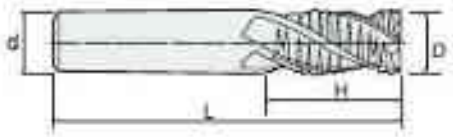
Blade diameter 刃径	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

AEX 3 Flutes Aluminum Roughing End Mill

铝合金专用三刃粗波铣刀







Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
AEX 3F01003005004	1.0	3	50	4	○	○
AEX 3F01504505004	1.5	4.5	50	4	○	○
AEX 3F02006005004	2.0	6	50	4	○	○
AEX 3F02507005004	2.5	7	50	4	○	○
AEX 3F03008005004	3.0	8	50	4	○	○
AEX 3F03011005004	4.0	11	50	4	○	○
AEX 3F05013005006	5.0	13	50	6	○	○
AEX 3F06015005006	6.0	15	50	6	○	○
AEX 3F07018006008	7.0	18	60	8	○	○
AEX 3F08020006008	8.0	20	60	8	○	○
AEX 3F09023007510	9.0	23	75	10	○	○
AEX 3F10025007510	10.0	25	75	10	○	○
AEX 3F11028007512	11.0	28	75	12	○	○
AEX 3F12030007512	12.0	30	75	12	○	○
AEX 3F16040010016	16.0	40	100	16	○	○
AEX 3F20040010020	20.0	40	100	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

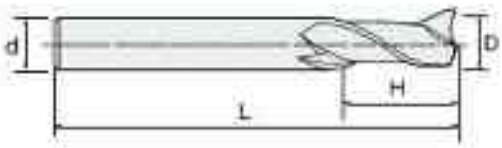
★TOLERANCES 公差

Blade diameter 刃径基数	Blade diameter tolerance 刃径基数公差	Shank diameter tolerance 柄径基数公差
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

AEX Single Flute End Mill (A.For Aluminum)

單刃鎢鋼立銑刀(A鋁專用)





Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
AEX1F0050200S004A	0.50	2	50	4	O	O
AEX1F0100300S004A	1.00	3	50	4	O	O
AEX1F0150400S004A	1.50	4	50	4	O	O
AEX1F0200600S004A	2.00	5	50	4	O	O
AEX1F0250600S004A	2.50	6	50	4	O	O
AEX1F0300700S004A	3.00	7	50	4	O	O
AEX1F0400800S004A	4.00	8	50	4	O	O
AEX1F0501000S006A	5.00	10	50	6	O	O
AEX1F0601200S006A	6.00	12	50	6	O	O
AEX1F0801600S008A	8.00	16	60	8	O	O
AEX1F1002000750A	10.00	20	75	10	O	O

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

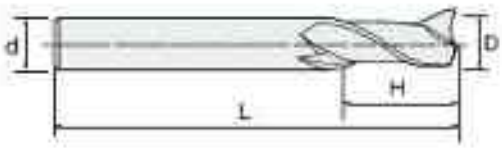
★ TOLERANCES 公差

Blade diameter 刃徑範圍	Blade diameter tolerance 刃徑公差	Shank diameter tolerance 柄徑公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

AEX Single Flute End Mill (B.For Acrylic)

單刃鑽面立銑刀(B型充力專用)





MD | 0.6μm | CD10% | HRC-55 | NO | HRC-55 | DLC

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
AEX 1F00502005004B	0.50	2	50	4	○	○
AEX 1F01003005004B	1.00	3	50	4	○	○
AEX 1F01504005004B	1.50	4	50	4	○	○
AEX 1F02005005004B	2.00	5	50	4	○	○
AEX 1F02506005004B	2.50	6	50	4	○	○
AEX 1F03007005004B	3.00	7	50	4	○	○
AEX 1F04008005004B	4.00	8	50	4	○	○
AEX 1F05010005006B	5.00	10	50	6	○	○
AEX 1F06012005006B	6.00	12	50	6	○	○
AEX 1F08016006008B	8.00	16	60	8	○	○
AEX 1F10020007510B	10.00	20	75	10	○	○

★ WORK MATERAIL 被削材質

ACRYLIC
至高力
●

★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

FEX

Exclusive For Cutting Aluminum

SEX-High polished Hardened Aluminum End Mill (Uncoated) HRC58

SEX-高光加硬铝用铣刀（本色-未涂层）HRC58度

SEX-DLC High polished Hardened Aluminum End Mill (Blue or Black) HRC60

SEX-DLC 高光加硬涂层铝用铣刀（蓝色或黑色）HRC60



TUNGSTEN CARBIDE

www.dohrecnc.com

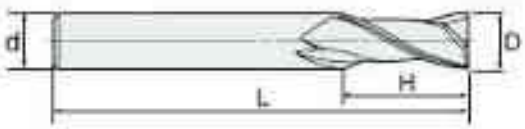
FEX 2 Flutes Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

鋁合金專用2刃立銑刀(45°螺旋角、雙重角)





UMG 0.5μm 20nm HRC-55 NO HRC-55 DLC



Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventary 庫存 NO	Inventary 庫存 DLC
FEX2F01003005004	1.0	3	50	4	○	○
FEX2F01504505004	1.5	4.5	50	4	○	○
FEX2F02006005004	2.0	6	50	4	○	○
FEX2F02507005004	2.5	7	50	4	○	○
FEX2F03008005004	3.0	8	50	4	○	○
FEX2F04011005004	4.0	11	50	4	○	○
FEX2F05013005006	5.0	13	50	6	○	○
FEX2F06015005006	6.0	15	50	6	○	○
FEX2F07018006008	7.0	18	60	8	○	○
FEX2F08020006008	8.0	20	60	8	○	○
FEX2F09023007510	9.0	23	75	10	○	○
FEX2F10025007510	10.0	25	75	10	○	○
FEX2F11028007512	11.0	28	75	12	○	○
FEX2F12030007512	12.0	30	75	12	○	○
FEX2F16040010016	16.0	40	100	16	○	○
FEX2F20040010020	20.0	40	100	20	○	○

★ WORK MATERAIL 被加材質

ALUMINUM ALLOY
鋁合金
●

★TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

例、FEX 2F 010 030 050 04
[系列] [刃數] [刃徑] [刃長] [全長] [柄徑]

FEX 2 Flutes long Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

[illegible]







UMG | 0.5μm | 20mm | HRC-55 | NO | HRC-55 | DLC

B220

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存 NO	Inventory 庫存 DLC
FEX2F03012007506	3.0	12	75	6	○	○
FEX2F04016007506	4.0	16	75	6	○	○
FEX2F05020007506	5.0	20	75	6	○	○
FEX2F06025007506	6.0	25	75	6	○	○
FEX2F08030007508	8.0	30	75	8	○	○
FEX2F03012010006	3.0	12	100	6	○	○
FEX2F04016010006	4.0	16	100	6	○	○
FEX2F05020010006	5.0	20	100	6	○	○
FEX2F06025010006	6.0	25	100	6	○	○
FEX2F08030010008	8.0	30	100	8	○	○
FEX2F10040010010	10.0	40	100	10	○	○
FEX2F12045010012	12.0	45	100	12	○	○
FEX2F08040015008	8.0	40	150	8	○	○
FEX2F10050015010	10.0	50	150	10	○	○
FEX2F12050015012	12.0	50	150	12	○	○
FEX2F16070015016	16.0	70	150	16	○	○
FEX2F20080015020	20.0	80	150	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

★ TOLERANCES 公差

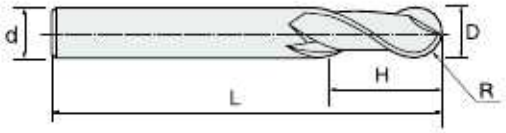
Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

FEX 2 Flutes Aluminum Ball Nose End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

鋁合金專用 2刃球型立銑刀(45° 螺旋角、雙後角)







UMG | 0.5μm | CO10% | HRC-50 | NO | HRC-55 | DLC

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
FEX 2FR05002005004	R0.50	2	50	4	○	○
FEX 2FR07503005004	R0.75	3	50	4	○	○
FEX 2FR10004005004	R1.00	4	50	4	○	○
FEX 2FR12505005004	R1.25	5	50	4	○	○
FEX 2FR15006005004	R1.50	6	50	4	○	○
FEX 2FR17507005004	R1.75	7	50	4	○	○
FEX 2FR20008005004	R2.00	8	50	4	○	○
FEX 2FR25010005006	R2.50	10	50	6	○	○
FEX 2FR30012005006	R3.00	12	50	6	○	○
FEX 2FR40016006008	R4.00	16	60	8	○	○
FEX 2FR50020007510	R5.00	20	75	10	○	○
FEX 2FR60024007512	R6.00	24	75	12	○	○
FEX 2FR80030010016	R8.00	30	100	16	○	○
FEX 2FR10030010020	R10.00	30	100	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY

鋁合金

●

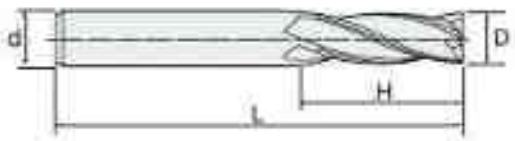
★ TOLERANCES 公差

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

FEX 3 Flutes Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

铝合金专用3刃立铣刀(45°螺旋角，双重角)









B222

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
FEX3F01003005004	1.0	3	50	4	○	○
FEX3F01504505004	1.5	4.5	50	4	○	○
FEX3F02006005004	2.0	6	50	4	○	○
FEX3F02507005004	2.5	7	50	4	○	○
FEX3F03008005004	3.0	8	50	4	○	○
FEX3F04011005004	4.0	11	50	4	○	○
FEX3F05013005006	5.0	13	50	6	○	○
FEX3F06015005006	6.0	15	50	6	○	○
FEX3F07018006008	7.0	18	60	8	○	○
FEX3F08020006008	8.0	20	60	8	○	○
FEX3F09023007510	9.0	23	75	10	○	○
FEX3F10025007510	10.0	25	75	10	○	○
FEX3F11028007512	11.0	28	75	12	○	○
FEX3F12030007512	12.0	30	75	12	○	○
FEX3F16040010016	16.0	40	100	16	○	○
FEX3F20040010020	20.0	40	100	20	○	○

★ WORK MATERAIL 被加工材质

ALUMINUM ALLOY
铝合金
●

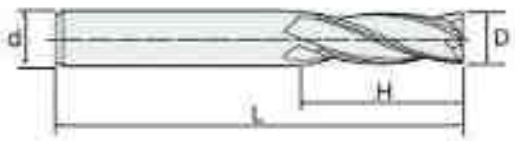
★TOLERANCES 公差

Blade diameter 刃径直径	Blade diameter tolerance 刃径直径公差	Shank diameter tolerance 柄径直径公差
Φ1.0~Φ2.9	0~-0.02	h5
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

FEX 3 Flutes long Aluminum Square End Mill (45 Degree Helix Angle, Double Axis Relief Angle)

[illegible]





UMG | 0.5μm | 20nm | HRC-55 | NO | HRC-55 | DLC

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存 NO	Inventory 庫存 DLC
FEX3F03012007506	3.0	12	75	6	○	○
FEX3F04016007506	4.0	16	75	6	○	○
FEX3F05020007506	5.0	20	75	6	○	○
FEX3F06025007506	6.0	25	75	6	○	○
FEX3F08030007508	8.0	30	75	8	○	○
FEX3F03012010006	3.0	12	100	6	○	○
FEX3F04016010006	4.0	16	100	6	○	○
FEX3F05020010006	5.0	20	100	6	○	○
FEX3F06025010006	6.0	25	100	6	○	○
FEX3F08030010008	8.0	30	100	8	○	○
FEX3F10040010010	10.0	40	100	10	○	○
FEX3F12045010012	12.0	45	100	12	○	○
FEX3F08040015008	8.0	40	150	8	○	○
FEX3F10050015010	10.0	50	150	10	○	○
FEX3F12050015012	12.0	50	150	12	○	○
FEX3F16070015016	16.0	70	150	16	○	○
FEX3F20080015020	20.0	80	150	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

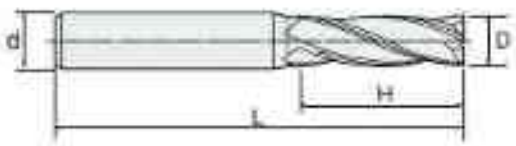
★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

FEX 3 Flutes Aluminum Square End Mill (55 Degree Helix Angle, Single Axis Relief Angle)

铝合金专用3刃立铣刀(55° 螺旋角、单侧角)









B224

Product Code 产品编号	Blade diameter 刃径	Blade length 刃长	Full 全长	Shank 柄径	Inventory 库存	
					NO	DLC
FEX3F01003005004	1.0	3	50	4	○	○
FEX3F01504505004	1.5	4.5	50	4	○	○
FEX3F02006005004	2.0	6	50	4	○	○
FEX3F02507005004	2.5	7	50	4	○	○
FEX3F03008005004	3.0	8	50	4	○	○
FEX3F04011005004	4.0	11	50	4	○	○
FEX3F05013005006	5.0	13	50	6	○	○
FEX3F06015005006	6.0	15	50	6	○	○
FEX3F07019006008	7.0	19	60	8	○	○
FEX3F08020006008	8.0	20	60	8	○	○
FEX3F09023007510	9.0	23	75	10	○	○
FEX3F10025007510	10.0	25	75	10	○	○
FEX3F11028007512	11.0	28	75	12	○	○
FEX3F12030007512	12.0	30	75	12	○	○
FEX3F16040010016	16.0	40	100	16	○	○
FEX3F20040010020	20.0	40	100	20	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY
铝合金
●

★ TOLERANCES 公差

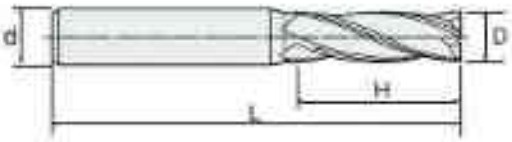
Blade diameter 刃径	Blade diameter tolerance 刃径公差	Shank diameter tolerance 柄径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.016~-0.045	

FEX 3 Flutes long Aluminum Square End Mill (55 Degree Helix Angle, Single Axis Relief Angle)

[illegible]







UMG | 0.5μm | 20nm | HIC-55 | NO | HIC-55 | DLC

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
FEX3F03012007506	3.0	12	75	6	○	○
FEX3F04016007506	4.0	16	75	6	○	○
FEX3F05020007506	5.0	20	75	6	○	○
FEX3F06025007506	6.0	25	75	6	○	○
FEX3F08030007508	8.0	30	75	8	○	○
FEX3F03012010006	3.0	12	100	6	○	○
FEX3F04016010006	4.0	16	100	6	○	○
FEX3F05020010006	5.0	20	100	6	○	○
FEX3F06025010006	6.0	25	100	6	○	○
FEX3F08030010008	8.0	30	100	8	○	○
FEX3F10040010010	10.0	40	100	10	○	○
FEX3F12045010012	12.0	45	100	12	○	○
FEX3F08040015008	8.0	40	150	8	○	○
FEX3F10050015010	10.0	50	150	10	○	○
FEX3F12050015012	12.0	50	150	12	○	○
FEX3F16070015016	16.0	70	150	16	○	○
FEX3F20080015020	20.0	80	150	20	○	○

★ WORK MATERAIL 被削材質

ALUMINUM ALLOY
鋁合金
●

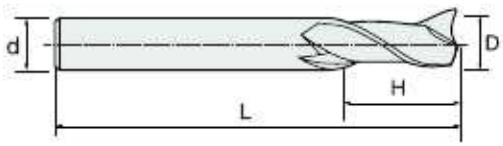
★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	H6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

FEX Single Flute End Mill (A.For Aluminum)

單刃鏡面立銑刀(A鋁專用)







UMG | 0.5μm | CO10% | HRC-60 | NO | HRC-55 | DLC

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
FEX 1F00502005004A	0.50	2	50	4	○	○
FEX 1F01003005004A	1.00	3	50	4	○	○
FEX 1F01504005004A	1.50	4	50	4	○	○
FEX 1F02005005004A	2.00	5	50	4	○	○
FEX 1F02506005004A	2.50	6	50	4	○	○
FEX 1F03007005004A	3.00	7	50	4	○	○
FEX 1F04008005004A	4.00	8	50	4	○	○
FEX 1F05010005006A	5.00	10	50	6	○	○
FEX 1F06012005006A	6.00	12	50	6	○	○
FEX 1F08016006008A	8.00	16	60	8	○	○
FEX 1F10020007510A	10.00	20	75	10	○	○

★ WORK MATERAIL 被削材质

ALUMINUM ALLOY

铝合金

●

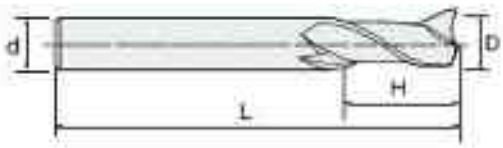
★TOLERANCES 公差

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

FEX Single Flute End Mill (A.For Aluminum)

單刃鎢鋼立銑刀(鋁合金方專用)





UMG | TiAlN | CrN | HRC55 | NO | HRC55 | DLC

Product Code 產品編號	Blade diameter 刃徑	Blade length 刃長	Full 全長	Shank 柄徑	Inventory 庫存	
					NO	DLC
FEX 1F00502005004B	0.50	2	50	4	O	O
FEX 1F01003005004B	1.00	3	50	4	O	O
FEX 1F01504005004B	1.50	4	50	4	O	O
FEX 1F02005005004B	2.00	5	50	4	O	O
FEX 1F02506005004B	2.50	6	50	4	O	O
FEX 1F03007005004B	3.00	7	50	4	O	O
FEX 1F04008005004B	4.00	8	50	4	O	O
FEX 1F05010005006B	5.00	10	50	6	O	O
FEX 1F06012005006B	6.00	12	50	6	O	O
FEX 1F08016004006B	8.00	16	60	6	O	O
FEX 1F10020007510B	10.00	20	75	10	O	O

★ WORK MATERAIL 被削材質

ACRYLIC
壓克力
●

★ TOLERANCES 公差

Blade diameter 刃徑直徑	Blade diameter tolerance 刃徑直徑公差	Shank diameter tolerance 柄徑直徑公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.0	-0.01~-0.03	
Φ6.5~Φ10.5	-0.01~-0.035	
Φ11.0~Φ16.0	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	

TUNGSTEN CARBIDE

MEX

DIA For Graphite Hardened Coated End Mill (Gray)

MEX DIA 石墨专用硬质涂层铣刀（灰色）



TUNGSTEN CARBIDE

www.dohretool.cn

DIA coating





- Special parent material of the diamond coating
- High-purity diamond coating material, Hardness can reach more than 80Gpa
- Wear resistance, superior performance, the most suitable for machining graphite, high-silicon aluminum alloy, fiber resin (FRP).

DIA coating



G-PRO Diamond coating



Other companies coating

DIA coating



G-PRO Diamond coating

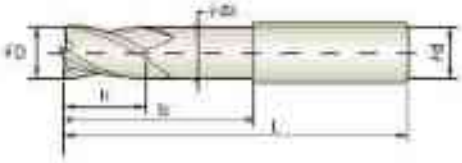


Other companies coating

MEX 4 flutes graphite square end mills

4刃石墨铣刀









unit(mm)

Model No.	Outside Diameter D	Length of cut l	Effective Length l_2	Neck Diameter d_2	Overall Length L	Shank Diameter d	Inventory
MEX4030-060	3.0	10	–	–	60	3.0	○
MEX4030-075	3.0	10	–	–	75	3.0	○
MEX4030-100	3.0	10	–	–	100	3.0	○
MEX4040-060	4.0	20	–	–	60	4.0	○
MEX4040-075	4.0	20	–	–	75	4.0	○
MEX4040-100	4.0	20	–	–	100	4.0	○
MEX4040-150	4.0	20	–	–	150	4.0	○
MEX4060-060	6.0	20	20	5.8	60	6.0	○
MEX4060-075	6.0	20	25	5.8	75	6.0	○
MEX4060-100	6.0	20	40	5.8	100	6.0	○
MEX4060-150	6.0	20	60	5.8	150	6.0	○
MEX4060-200	6.0	20	65	5.8	200	6.0	○
MEX4080-080	8.0	30	35	7.8	80	8.0	○
MEX4080-110	8.0	30	50	7.8	110	8.0	○
MEX4080-150	8.0	30	80	7.8	150	8.0	○
MEX4080-200	8.0	30	85	7.8	200	8.0	○
MEX4100-080	10.0	35	40	9.8	80	10.0	○
MEX4100-110	10.0	35	50	9.8	110	10.0	○
MEX4100-150	10.0	35	80	9.8	150	10.0	○
MEX4100-200	10.0	35	85	9.8	200	10.0	○
MEX4120-080	12.0	40	45	11.8	80	12.0	○
MEX4120-110	12.0	40	50	11.8	110	12.0	○
MEX4120-150	12.0	40	80	11.8	150	12.0	○
MEX4120-200	12.0	40	85	11.8	200	12.0	○
MEX4160-110	16.0	50	60	15.8	110	16.0	○
MEX4160-150	16.0	50	80	15.8	150	16.0	○
MEX4160-200	16.0	50	85	15.8	200	16.0	○

★ WORK MATERAIL 被削材质

MEX
石墨

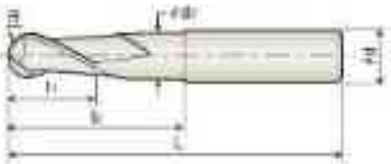
★TOLERANCES 公差

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

MEX 2 flutes graphite ball nose end mills

2刃石墨球鼻铣刀









B231

unit(mm)

Model No.	Radius of Ball Nose R	Effective Length l_2	Length of cut l	Overall Length L	Shank Diameter d	Inventory
MEX2004-045	R0.2	-	1.2	45	4	○
MEX2004-045	R0.4	-	1.5	45	4	○
MEX2010-050	R0.5	-	2	50	4	○
MEX2010-090	R0.5	8	2	90	6	○
MEX2015-050	R0.75	-	3	50	4	○
MEX2015-090	R0.75	8	3	90	6	○
MEX2020-050	R1.0	-	5	50	4	○
MEX2020-090	R1.0	8	5	90	6	○
MEX2030S-060	R1.5	-	8	60	3	○
MEX2030S-075	R1.5	-	8	75	3	○
MEX2030-090	R1.5	-	8	90	6	○
MEX2030S-100	R1.5	-	10	100	3	○
MEX2040S-060	R2.0	-	8	60	4	○
MEX2040S-075	R2.0	-	8	75	4	○
MEX2040-090	R2.0	12	8	90	6	○
MEX2040S-100	R2.0	-	8	100	4	○
MEX2050-060	R2.5	20	10	60	6	○
MEX2050-075	R2.5	35	10	75	6	○
MEX2050-100	R2.5	50	10	100	6	○
MEX2060-060	R3.0	20	12	60	6	○
MEX2060-075	R3.0	35	12	75	6	○
MEX2060-100	R3.0	40	12	100	6	○
MEX2060-150	R3.0	60	12	150	6	○
MEX2060-200	R3.0	80	12	200	6	○
MEX2080-080	R4.0	40	16	80	8	○
MEX2080-110	R4.0	45	16	110	8	○
MEX2080-150	R4.0	80	16	150	8	○
MEX2080-200	R4.0	85	16	200	8	○
MEX2100-080	R5.0	40	20	80	10	○
MEX2100-110	R5.0	60	20	110	10	○
MEX2100-150	R5.0	80	20	150	10	○
MEX2100-200	R5.0	85	20	200	10	○
MEX2120-080	R6.0	40	24	80	12	○
MEX2120-110	R6.0	65	24	110	12	○
MEX2120-150	R6.0	80	24	150	12	○
MEX2120-200	R6.0	85	24	200	12	○
MEX2160-110	R8.0	65	32	110	16	○
MEX2160-150	R8.0	80	32	150	16	○
MEX2160-200	R8.0	85	32	200	16	○

★ WORK MATERAIL 被削材质

MEX
石墨

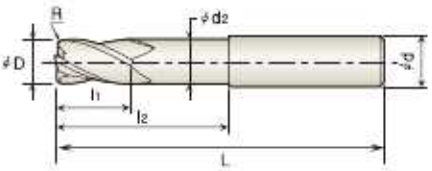
★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ5.4	-0.01~-0.03	
Φ5.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

MEX 4 flutes graphite corner radius end mills

4刃石墨圆鼻铣刀







MG | 0.6μm | CO10% | HRC-50 | DIA

unit(mm)

Model No.	Outside Diameter D	Radius of Ball Nose R	Effective Length l_2	Length of cut l_1	Neck Diameter d_2	Overall Length L	Shank Diameter d	Inventory
MEX4030R03-060	3.0	3.0	–	9	–	60	3	○
MEX4030R03-075	3.0	3.0	–	9	–	75	3	○
MEX4030R03-100	3.0	3.0	–	9	–	100	3	○
MEX4030R03-060	3.0	3.0	–	9	–	60	3	○
MEX4030R03-075	3.0	3.0	–	9	–	75	3	○
MEX4030R03-100	3.0	3.0	–	9	–	100	3	○
MEX4030R03-060	3.0	3.0	–	9	–	60	3	○
MEX4030R03-075	3.0	3.0	–	9	–	75	3	○
MEX4030R03-100	3.0	3.0	–	9	–	100	3	○
MEX4030R04-060	4.0	4.0	–	12	–	60	4	○
MEX4030R04-075	4.0	4.0	–	12	–	75	4	○
MEX4030R04-100	4.0	4.0	–	12	–	100	4	○
MEX4040R04-060	4.0	4.0	–	12	–	60	4	○
MEX4040R04-075	4.0	4.0	–	12	–	75	4	○
MEX4040R04-100	4.0	4.0	–	12	–	100	4	○
MEX4040R04-060	4.0	4.0	–	12	–	60	4	○
MEX4040R04-075	4.0	4.0	–	12	–	75	4	○
MEX4040R04-100	4.0	4.0	–	12	–	100	4	○
MEX4040R04-060	4.0	4.0	–	12	–	60	4	○
MEX4040R04-075	4.0	4.0	–	12	–	75	4	○
MEX4040R04-100	4.0	4.0	–	12	–	100	4	○
MEX4040R04-060	4.0	4.0	–	12	–	60	4	○
MEX4040R04-075	4.0	4.0	–	12	–	75	4	○
MEX4040R04-100	4.0	4.0	–	12	–	100	4	○
MEX4040R04-060	4.0	4.0	–	12	–	60	4	○
MEX4040R04-075	4.0	4.0	–	12	–	75	4	○
MEX4040R04-100	4.0	4.0	–	12	–	100	4	○
MEX4050R05-060	5.0	5.0	20	15	4.8	60	6	○
MEX4050R05-075	5.0	5.0	30	15	4.8	75	6	○
MEX4050R05-100	5.0	5.0	50	15	4.8	100	6	○
MEX4050R05-060	5.0	5.0	20	15	4.8	60	6	○
MEX4050R05-075	5.0	5.0	30	15	4.8	75	6	○
MEX4050R05-100	5.0	5.0	50	15	4.8	100	6	○

★ WORK MATERAIL 被削材质

MEX
石墨

★ TOLERANCES 公差

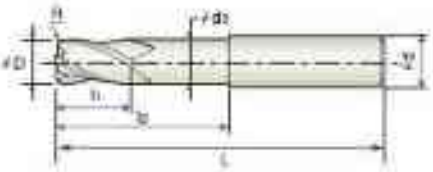
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

MEX 4 flutes graphite corner radius end mills

4刃石墨圆鼻铣刀









B233

unit(mm)

Model No.	Outside Diameter D	Radius of Ball Nose R	Effective Length l_2	Length of Cut l_1	Neck Diameter d_2	Overall Length L	Shank Diameter d	Inventory
MEX4050R03-060	5.0	R0.3	20	20	4.8	60	6	○
MEX4050R03-075	5.0	R0.3	30	30	4.8	75	6	○
MEX4050R03-100	5.0	R0.3	50	50	4.8	100	6	○
MEX4050R05-060	5.0	R0.5	20	20	4.8	60	6	○
MEX4050R05-075	5.0	R0.5	30	30	4.8	75	6	○
MEX4050R05-100	5.0	R0.5	50	50	4.8	100	6	○
MEX4050R10-060	5.0	R1.0	20	20	5.8	60	6	○
MEX4050R10-075	5.0	R1.0	30	30	5.8	75	6	○
MEX4050R10-100	5.0	R1.0	50	50	5.8	100	6	○
MEX4060R02-060	6.0	R0.2	25	25	5.8	60	6	○
MEX4060R02-075	6.0	R0.2	30	30	5.8	75	6	○
MEX4060R02-100	6.0	R0.2	40	40	5.8	100	6	○
MEX4060R02-150	6.0	R0.2	60	60	5.8	150	6	○
MEX4060R02-200	6.0	R0.2	80	80	5.8	200	6	○
MEX4060R03-060	6.0	R0.3	25	25	5.8	60	6	○
MEX4060R03-075	6.0	R0.3	30	30	5.8	75	6	○
MEX4060R03-100	6.0	R0.3	40	40	5.8	100	6	○
MEX4060R03-150	6.0	R0.3	60	60	5.8	150	6	○
MEX4060R03-200	6.0	R0.5	80	80	5.8	200	6	○
MEX4060R05-060	6.0	R0.5	25	25	5.8	60	6	○
MEX4060R05-075	6.0	R0.5	30	30	5.8	75	6	○
MEX4060R05-100	6.0	R0.5	40	40	5.8	100	6	○
MEX4060R05-150	6.0	R0.5	60	60	5.8	150	6	○
MEX4060R05-200	6.0	R0.5	80	80	5.8	200	6	○
MEX4060R10-060	6.0	R1.0	25	25	5.8	60	6	○
MEX4060R10-075	6.0	R1.0	30	30	5.8	75	6	○
MEX4060R10-100	6.0	R1.0	40	40	5.8	100	6	○
MEX4060R10-150	6.0	R1.0	60	60	5.8	150	6	○
MEX4060R10-200	6.0	R1.0	80	80	5.8	200	6	○
MEX4080R02-080	8.0	R0.2	–	–	7.8	80	8	○
MEX4080R02-110	8.0	R0.2	50	50	7.8	110	8	○
MEX4080R02-150	8.0	R0.2	80	80	7.8	150	8	○
MEX4080R02-200	8.0	R0.2	85	85	7.8	200	8	○

★ WORK MATERAIL 被削材质

MEX

石墨

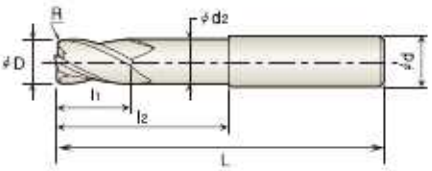
★ TOLERANCES 公差

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

MEX 4 flutes graphite corner radius end mills

4刃石墨圆鼻铣刀









B234

unit(mm)

Model No.	Outside Diameter D	Radius of Ball Nose R	Effective Length l_2	Length of cut l_1	Neck Diameter d_2	Overall Length L	Shank Diameter d	Inventory
MEX4080R03-080	8.0	R0.3	–	30	7.8	80	8	○
MEX4080R03-110	8.0	R0.3	50	30	7.8	110	8	○
MEX4080R03-150	8.0	R0.3	80	30	7.8	150	8	○
MEX4080R03-200	8.0	R0.3	85	30	7.8	200	8	○
MEX4080R05-080	8.0	R0.5	–	30	7.8	80	8	○
MEX4080R05-110	8.0	R0.5	50	30	7.8	110	8	○
MEX4080R05-150	8.0	R0.5	80	30	7.8	150	8	○
MEX4080R05-200	8.0	R0.5	85	30	7.8	200	8	○
MEX4080R10-080	8.0	R1.0	–	30	7.8	80	8	○
MEX4080R10-110	8.0	R1.0	50	30	7.8	110	8	○
MEX4080R10-150	8.0	R1.0	80	30	7.8	150	8	○
MEX4080R10-200	8.0	R1.0	85	30	7.8	200	8	○
MEX4080R15-080	8.0	R1.5	–	30	7.8	80	8	○
MEX4080R15-110	8.0	R1.5	50	30	7.8	110	8	○
MEX4080R15-150	8.0	R1.5	80	30	7.8	150	8	○
MEX4080R15-200	8.0	R1.5	85	30	7.8	200	8	○
MEX4080R20-080	8.0	R2.0	–	30	7.8	80	8	○
MEX4080R20-110	8.0	R2.0	50	30	7.8	110	8	○
MEX4080R20-150	8.0	R2.0	80	30	7.8	150	8	○
MEX4080R20-200	8.0	R2.0	85	30	7.8	200	8	○
MEX4100R02-080	10.0	R0.2	–	30	9.8	80	10	○
MEX4100R02-110	10.0	R0.2	50	30	9.8	110	10	○
MEX4100R02-150	10.0	R0.2	80	30	9.8	150	10	○
MEX4100R02-200	10.0	R0.2	85	30	9.8	200	10	○
MEX4100R03-080	10.0	R0.3	–	30	9.8	80	10	○
MEX4100R03-110	10.0	R0.3	50	30	9.8	110	10	○
MEX4100R03-150	10.0	R0.3	80	30	9.8	150	10	○
MEX4100R03-200	10.0	R0.3	85	30	9.8	200	10	○
MEX4100R05-080	10.0	R0.5	–	30	9.8	80	10	○
MEX4100R05-110	10.0	R0.5	50	30	9.8	110	10	○
MEX4100R05-150	10.0	R0.5	80	30	9.8	150	10	○
MEX4100R05-200	10.0	R0.5	85	30	9.8	200	10	○
MEX4100R10-080	10.0	R1.0	–	30	9.8	80	10	○
MEX4100R10-110	10.0	R1.0	50	30	9.8	110	10	○
MEX4100R10-150	10.0	R1.0	80	30	9.8	150	10	○
MEX4100R10-200	10.0	R1.0	85	30	9.8	200	10	○

★ WORK MATERAIL 被削材质

MEX

石墨

★ TOLERANCES 公差

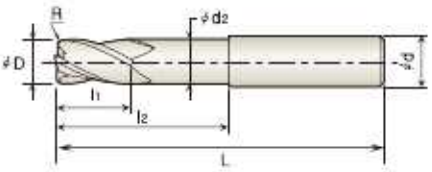
Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0-Φ2.9	0--0.02	H6
Φ3.0-Φ6.4	-0.01--0.03	
Φ6.5-Φ10.9	-0.01--0.035	
Φ11.0-Φ16.5	-0.01--0.04	
Φ17.0-Φ20.0	-0.015--0.045	
Φ20.5-Φ25.0	-0.015--0.05	

MEX 4 flutes graphite corner radius end mills

4刃石墨圆鼻铣刀







MG 0.6μm CO10% HRC-50 DIA

B234

unit(mm)

Model No.	Outside Diameter D	Radius of Ball Nose R	Effective Length l_2	Length of cut l_1	Neck Diameter d_2	Overall Length L	Shank Diameter d	Inventory
MEX4100R15-080	10.0	R1.5	–	30	9.8	80	10	○
MEX4100R15-110	10.0	R1.5	50	30	9.8	110	10	○
MEX4100R15-150	10.0	R1.5	80	30	9.8	150	10	○
MEX4100R15-200	10.0	R1.5	85	30	9.8	200	10	○
MEX4100R20-080	10.0	R2.0	–	30	9.8	80	10	○
MEX4100R20-110	10.0	R2.0	50	30	9.8	110	10	○
MEX4100R20-150	10.0	R2.0	80	30	9.8	150	10	○
MEX4100R20-200	10.0	R2.0	85	30	9.8	200	10	○
MEX4120R02-080	12.0	R0.2	–	40	11.8	80	12	○
MEX4120R02-110	12.0	R0.2	50	40	11.8	110	12	○
MEX4120R02-150	12.0	R0.2	80	40	11.8	150	12	○
MEX4120R02-200	12.0	R0.2	85	40	11.8	200	12	○
MEX4120R03-080	12.0	R0.3	–	40	11.8	80	12	○
MEX4120R03-110	12.0	R0.3	50	40	11.8	110	12	○
MEX4120R03-150	12.0	R0.3	80	40	11.8	150	12	○
MEX4120R03-200	12.0	R0.3	85	40	11.8	200	12	○
MEX4120R05-080	12.0	R0.5	–	40	11.8	80	12	○
MEX4120R05-110	12.0	R0.5	50	40	11.8	110	12	○
MEX4120R05-150	12.0	R0.5	80	40	11.8	150	12	○
MEX4120R05-200	12.0	R0.5	85	40	11.8	200	12	○
MEX4120R10-080	12.0	R1.0	–	40	11.8	80	12	○
MEX4120R10-110	12.0	R1.0	50	40	11.8	110	12	○
MEX4120R10-150	12.0	R1.0	80	40	11.8	150	12	○
MEX4120R10-200	12.0	R1.0	85	40	11.8	200	12	○
MEX4120R15-080	12.0	R1.5	–	40	11.8	80	12	○
MEX4120R15-110	12.0	R1.5	50	40	11.8	110	12	○
MEX4120R15-150	12.0	R1.5	80	40	11.8	150	12	○
MEX4120R15-200	12.0	R1.5	85	40	11.8	200	12	○
MEX4120R20-080	12.0	R2.0	–	40	11.8	80	12	○
MEX4120R20-110	12.0	R2.0	50	40	11.8	110	12	○
MEX4120R20-150	12.0	R2.0	80	40	11.8	150	12	○
MEX4120R20-200	12.0	R2.0	85	40	11.8	200	12	○
MEX4160R05-110	16.0	R0.5	50	40	15.8	110	16	○
MEX4160R05-150	16.0	R0.5	80	40	15.8	150	16	○
MEX4160R05-200	16.0	R0.5	85	40	15.8	200	16	○

★ WORK MATERAIL 被削材质

MEX
石墨

★ TOLERANCES 公差

Blade diameter 刃部直径	Blade diameter tolerance 刃部直径公差	Shank diameter tolerance 柄部直径公差
Φ1.0~Φ2.9	0~-0.02	h6
Φ3.0~Φ6.4	-0.01~-0.03	
Φ6.5~Φ10.9	-0.01~-0.035	
Φ11.0~Φ16.5	-0.01~-0.04	
Φ17.0~Φ20.0	-0.015~-0.045	
Φ20.5~Φ25.0	-0.015~-0.05	

Danger of fire by spark incidence or heat caused by tool breakage can happen during processing.
Confirm fire prevention countermeasure beforehand necessarily before use.

Work Material	GRAPHITE		COPPER ALLOYS		ALUMINUM ALLOYS	
Radius of Ball Nose	SPEED (min⁻¹)	FEED (mm/min)	SPEED (min⁻¹)	FEED (mm/min)	SPEED (min⁻¹)	FEED (mm/min)
R0.5	28,000	230	50,000	400	50,000	500
R0.75	20,000	250	36,000	450	36,000	550
R1.0	16,000	260	30,000	450	30,000	580
R1.5	11,000	260	21,000	650	20,000	600
R2.0	8,000	270	16,000	550	16,000	680
R3.0	5,500	290	11,000	590	11,000	740
R4.0	4,000	300	8,000	600	8,000	780
R5.0	3,200	320	6,500	650	6,500	780
R6.0	2,800	350	5,500	650	5,300	780

DEPTH OF CUT

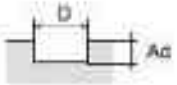


Ad = 0.1D
Pf = 0.2D

1. Use a rigid and precise machine and holder.
2. Use a water soluble fluid.

Work Material	GRAPHITE		COPPER ALLOYS		ALUMINUM ALLOYS	
Outside Diameter	SPEED (min⁻¹)	FEED (mm/min)	SPEED (min⁻¹)	FEED (mm/min)	SPEED (min⁻¹)	FEED (mm/min)
1.0	15,000	700	32,000	650	32,000	1,000
1.5	15,000	900	31,000	1,100	31,000	1,300
2.0	15,000	1,100	24,000	1,200	30,000	1,600
3.0	15,000	1,600	16,000	1,200	21,000	1,600
4.0	15,000	1,800	12,000	1,200	15,500	1,600
5.0	15,000	2,000	10,000	1,200	12,000	1,500
6.0	15,000	2,200	8,000	1,200	10,000	1,500
8.0	14,000	2,500	6,000	1,200	8,000	1,800
10.0	11,000	2,000	5,000	1,400	6,500	1,600
12.0	9,000	2,000	4,000	1,200	5,500	1,500

DEPTH OF CUT



Ad = 0.25D (D≤Ø3)
Ad = 0.5 D (D>Ø3)

1. Use a rigid and precise machine and holder.
2. Use a water soluble fluid.

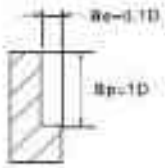
B237

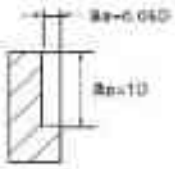
GEX Two flutes aquare end mills cutting parameters

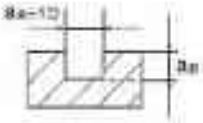
二位平刀切削參數

Material Science 被切材料	Cast iron Ductile cast iron 鑄鐵，球墨鑄鐵		Carbon steel Alloy steel 碳素鋼，合金鋼 ~750N/mm²		Carbon steel Alloy steel 碳素鋼，合金鋼 ~30HRC		Prehardened steel Quenched and tempered steel 預硬鋼，調質鋼 ~40HRC		Stainless steel 不銹鋼		Prehardened steel Quenched and tempered steel 預硬鋼，調質鋼 ~50HRC	
Diameter (mm)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)
D1.0	20000	165	20000	165	20000	135	20000	135	20000	50	20000	100
D2.0	15000	265	15000	265	15000	240	15000	235	11500	70	13000	150
D3.0	14000	455	14000	455	13000	420	10600	350	7500	100	8500	275
D4.0	10800	465	10800	465	10000	430	8000	355	5500	110	6500	280
D5.0	8200	485	8200	485	7600	450	6400	370	4500	110	5000	295
D6.0	7000	500	7000	500	6400	460	5300	385	3700	115	4200	300
D8.0	5200	495	5200	495	4800	455	4000	380	2800	115	3200	305
D10.0	4200	485	4200	485	3800	450	3200	370	2200	115	2500	290
D12.0	3500	485	3500	485	3200	450	2650	370	1850	115	2100	290
D14.0	3000	455	3000	455	2700	420	2300	350	1600	110	1800	275
D16.0	2600	455	2600	455	2400	420	2000	350	1400	100	1600	275
D18.0	2300	445	2300	445	2100	410	1800	345	1250	100	1400	270
D20.0	2050	445	2050	445	1900	410	1600	345	1100	100	1250	270

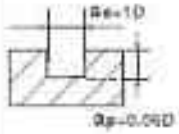
最大切削量 maximum cutting depth







刀具主體	切深 Ap
Φ1<D<Φ3	0.15D
Φ3<D	0.3D



1. the table is side milling standard value, cutting groove, speed to the above table 50%~70%, feed rate to 40%~60% as the standard value.
2. please use the high precision machine tool and toolholder.
3. please cutting fluid using air cooling or not easy to have a smoke.
4. side milling recommended clockwise milling.
5. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
6. in the no interference conditions as far as possible to make the tool overhang length shortest.

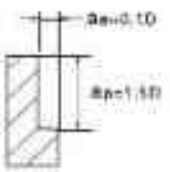
1、上表是開放加工的标準值，刀具切削材，被盖要以上表的50%~70%，使用速度要以40%~60%为标準值。
2、開放刀具精度的机械和刀柄。
3、開放刀具用气冷加工不易产生烟雾的切削液。
4、開放铣的推荐做法为二。
5、机具与工件安裝用性能差的情况下，会产生剧烈的时候更不良，此时应将上表的轉速与进給速度所以降低。
6、在不干涉的条件下尽可能使刀具最长缩短。

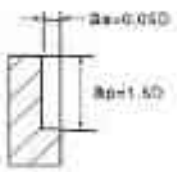
GEX Four flutes aquare end mills cutting parameters

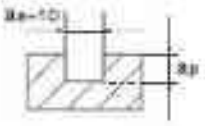
四公平刀切削参数

Material Science 被切材料	Cast iron Ductile cast iron 铸铁 球墨铸铁		Carbon steel Alloy steel 碳素钢，合金钢 ~750N/mm²		Carbon steel Alloy steel 碳素钢，合金钢 ~30HRC		Prehardened steel Quenched and tempered steel 预硬钢，调质钢 ~40HRC		Stainless steel 不锈钢		Prehardened steel Quenched and tempered steel 预硬钢，调质钢 ~50HRC	
Diameter (mm)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)
D1.0	20000	225	20000	225	20000	180	20000	180	20000	80	20000	135
D2.0	15000	360	15000	360	15000	325	15000	315	11500	90	13000	200
D3.0	14000	610	14000	610	13000	570	10500	470	7500	110	8500	370
D4.0	10800	630	10800	630	10000	575	8000	480	5500	115	6500	380
D5.0	8200	660	8200	660	7600	600	6400	505	4500	115	5000	400
D6.0	7000	675	7000	675	6400	620	5300	515	3700	120	4200	405
D8.0	5200	665	5200	665	4800	610	4000	510	2800	120	3200	415
D10.0	4200	660	4200	660	3800	600	3200	505	2200	120	2500	390
D12.0	3500	660	3500	660	3200	600	2650	505	1850	120	2100	390
D14.0	3000	610	3000	610	2700	570	2300	470	1600	115	1800	370
D16.0	2600	610	2600	610	2400	570	2000	470	1400	110	1600	370
D18.0	2300	600	2300	600	2100	560	1800	460	1250	95	1400	365
D20.0	2050	600	2050	600	1900	560	1600	460	1100	95	1250	365

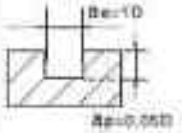
Maximum cutting depth 最大切削量







刀具直径	切深 Ap
Φ1≤D<Φ3	0.15D
Φ3≤D	0.3D



1. the table is side milling standard value, cutting groove, speed to the above table 50%~70%, feed rate to 40%~60% as the standard value.
2. please use the high precision machine tool and toolholder.
3. please cutting fluid using air cooling or not easy to have a smoke.
4. side milling recommended clockwise milling.
5. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
6. in the no interference conditions as far as possible to make the tool overhang length shortest.

1、上表是铣铁加工的标准值，刀具切槽时，转速需以上表的50%~70%，进给速度需以40%~60%为标准值。
2、请使用高精度的机床和刀具。
3、请使用的气体冷却应不易产生烟雾的切削液。
4、侧面铣削用顺铣铣加工。
5、机床与工件安装刚性较差的情况下，会产生振动和异常声音，此时采用上表的转速与进给速度的计算值。
6、在不干涉的条件下尽可能使刀具最长缩短。

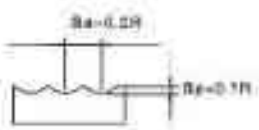
GEX

Two flutes ball nose end mills cutting parameters

B239

Material Science	Cast iron Ductile cast iron		Carbon steel Alloy steel ~750N/mm²		Carbon steel Alloy steel ~35HRC		Pehardened steel Quenched and tempered steel ~40HRC		Stainless steel		Pehardened steel Quenched and tempered steel ~52HRC	
Diameter (mm)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)
R0.5	40000	800	40000	800	38000	700	32000	520	22300	300	25000	375
R1.0	24000	900	24000	900	19000	760	16000	400	11150	230	13000	275
R1.5	15500	950	15500	950	12750	760	10600	450	7400	290	8500	280
R2.0	11500	850	11500	950	9550	760	8000	550	5550	370	6500	370
R2.5	9500	1050	9500	1050	7650	800	6400	550	4450	370	5000	375
R3.0	8000	1050	8000	1050	6400	800	5300	580	3700	380	4200	390
R4.0	6000	1300	6000	1300	4800	950	4000	700	2750	455	3200	440
R5.0	4800	1200	4800	1200	3800	900	3200	650	2200	430	2600	440
R6.0	4000	1100	4000	1100	3200	840	2650	610	1850	430	2100	420
R8.0	3000	1050	3000	1050	2400	800	2000	600	1350	380	1600	375
R10.0	2400	950	2400	950	1900	680	1600	560	1100	370	1250	330

maximum cutting depth





- 1. please use the high precision machine tool and toolholder.
- 2. please cutting fluid using air cooling or not easy to have a smoke.
- 3. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
- 4. in the no interference conditions as far as possible to make the tool overhang length shortest.

GEX Four ball nose end mills cutting parameters

四刃球刀切削參數

Material Science 被切材料	Cast iron Ductile cast iron 鑄鐵 球墨鑄鐵		Carbon steel Alloy steel 碳素鋼，合金鋼 ~250N/mm²		Carbon steel Alloy steel 碳素鋼，合金鋼 ~35HRC		Prehardened steel Quenched and tempered steel 預硬鋼，調質鋼 ~40HRC		Stainless steel 不銹鋼		Prehardened steel Quenched and tempered steel 預硬鋼，調質鋼 ~50HRC	
Diameter (mm)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)
R1.5	15500	1710	15500	1710	12750	1340	10800	810	7400	520	8500	500
R2.0	11500	1710	11500	1710	9550	1340	8000	990	5550	660	6800	665
R2.5	9500	1890	9500	1890	7650	1440	6400	990	4450	660	5000	675
R3.0	8000	1890	8000	1890	6400	1440	5300	1040	3700	700	4200	700
R4.0	6000	2340	6000	2340	4800	1710	4000	1260	2750	820	3200	790
R5.0	4800	2160	4800	2160	3850	1620	3200	1170	2200	770	2600	790
R6.0	4000	1980	4000	1980	3200	1510	2650	1100	1850	770	2100	755
R8.0	3000	1890	3000	1890	2400	1440	2000	1080	1350	680	1600	675
R10.0	2400	1710	2400	1710	1900	1220	1600	1000	1100	660	1250	565
maximum cutting depth 最大切深					Ae=0.2R Ap=0.1R						Ae=0.1R Ap=0.05R	

B240

1. please use the high precision machine tool and toolholder.
2. please cutting fluid using air cooling or not easy to have a smoke.
3. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the tool table speed and feed speed down.
4. in the no interference conditions as far as possible to make the tool overhang length shortest.

1. 請盡可能降速的機床刀柄。
2. 請盡可能用氣冷等能減少易產生粘屑的切削液。
3. 機床與工件安裝剛性較差的情況下，容易產生振動和異常聲音，此時應將工具的轉速與進給速度降低幾檔。
4. 在不干涉的條件下盡可能使刀具最快速度。

PEX
UEX

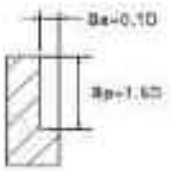
Two flutes aquare end mills cutting parameters

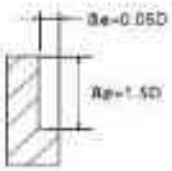
二位平刀切削參數

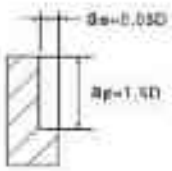
B241

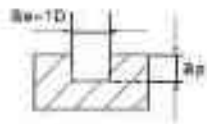
Material Science 被切材料	Cast iron Carbon steel Alloy steel 鑄鐵，碳鋼，合金鋼 -30HRC		Stainless steel 不鏽鋼		Pre hardened steel Quenched and tempered steel 預硬鋼，調質鋼 -40HRC		Pre hardened steel Quenched and tempered steel 預硬鋼，調質鋼 -50HRC		Hardened steel 淬硬鋼 -50HRC	
Diameter (mm)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)
D1.0	20000	200	20000	60	20000	165	20000	120	20000	90
D2.0	15000	320	11150	85	15000	285	13000	180	11140	130
D3.0	14000	545	7500	120	10600	420	8500	330	7430	240
D4.0	10800	560	5500	135	8000	425	6500	335	5570	245
D5.0	8200	585	4500	135	6400	445	5000	355	4460	260
D6.0	7000	600	3700	140	5300	465	4200	360	3710	260
D8.0	5200	595	2800	140	4000	455	3200	365	2785	270
D10.0	4200	585	2200	140	3200	445	2500	350	2230	250
D12.0	3500	585	1850	140	2650	445	2100	350	1855	250
D14.0	3000	545	1600	135	2300	420	1800	330	1590	240
D16.0	2600	545	1400	120	2000	420	1600	330	1390	240
D18.0	2300	535	1250	120	1800	415	1400	325	1240	235
D20.0	2050	535	1100	120	1600	415	1250	325	1115	235

maximum cutting depth 最大切削量









刀具直徑	切削 Ae
Φ1≤D<Φ2	0.15D
Φ2<D<Φ6	0.3D
Φ6<D<Φ20	0.5D

刀具直徑	切削 Ae
Φ1≤D<Φ2	0.1D
Φ2<D	0.2D

1. the table is side milling standard value, cutting groove, speed to the above table 50%~70%, feed rate to 40%~60% as the standard value.
2. please use the high precision machine tool and toothholder.
3. please cutting fluid using air cooling or not easy to have a smoke.
4. side milling recommended clockwise milling.
5. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
6. in the no interference conditions as far as possible to make the tool overhang length shortest.

1. 上表是側面加工的標準值，刀具切槽時，轉速要以上表的50%~70%，走刀速度要以40%~60%為標準值。
2. 請使用高精度的相應的刀具。
3. 請使用加气等相應不易产生鋸質的切削液。
4. 請選擇相應等級的加工。
5. 機床与工具安裝相性較差的情況下，並产生振動和異常声音，此时必須上表的轉速与走刀速度同比降低。
6. 在不干涉的条件下尽可能使刀具最伸展。

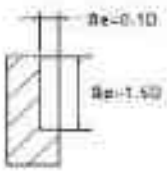
PEX
UEX

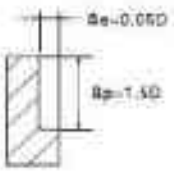
Four flutes aquare end mills cutting parameters

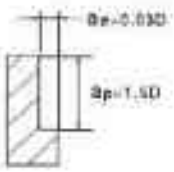
四刃平刀切削參數

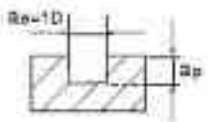
Material Science 被切材料	Cast iron Carbon steel Alloy steel 鑄鐵，碳素鋼，合金鋼 -30HRC		Stainless steel 不鏽鋼		Pre hardened steel Quenched and tempered steel 預硬鋼，調質鋼 -40HRC		Pre hardened steel Quenched and tempered steel 預硬鋼，調質鋼 -50HRC		Hardened steel 淬硬鋼 -50HRC	
Diameter (mm)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)
D1.0	20000	270	20000	95	20000	215	20000	135	20000	120
D2.0	15000	435	11150	110	15000	380	13000	200	11140	175
D3.0	14000	735	7500	135	10600	565	8500	370	7430	325
D4.0	10800	755	5500	140	8000	575	6500	380	5570	335
D5.0	8200	795	4500	140	6400	605	5000	400	4460	350
D6.0	7000	810	3700	145	5300	620	4200	405	3710	350
D8.0	5200	800	2800	145	4000	615	3200	415	2785	365
D10.0	4200	795	2200	145	3200	605	2500	390	2230	340
D12.0	3500	795	1850	145	2650	605	2100	390	1855	340
D14.0	3000	735	1600	140	2300	565	1800	370	1590	325
D16.0	2600	735	1400	135	2000	565	1600	370	1390	325
D18.0	2300	720	1250	115	1800	555	1400	365	1240	315
D20.0	2050	720	1100	115	1600	555	1250	365	1115	315

最大切削量
maximum cutting depth









刀具直徑	切深 Ap
Φ1<D<Φ3	0.15D
Φ3<D<Φ6	0.3D
Φ6<D<Φ20	0.5D

刀具直徑	切深 Ap
Φ1<D<Φ3	3.1D
Φ2<D	3.2D

1. the table is side milling standard value, cutting groove, speed to the above table 50%~70%, feed rate to 40%~60% as the standard value.
2. please use the high precision machine tool and toolholder.
3. please cutting fluid using air cooling or not easy to have a smoke.
4. side milling recommended clockwise milling.
5. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down
6. in the no interference conditions as far as possible to make the tool overhang length shortest.

1. 上表是轉軌加工的标准值，刀具切槽材，轉速要以上表的50%~70%，进給速度要以40%~60%为标准值。
2. 请使用高精度的机床和刀柄。
3. 请使用空气等低压不易产生烟雾的切削液。
4. 侧面铣削推荐顺铣加工。
5. 机床与工件安装刚性较差的情况下，会产生振动和异常声音，此时应将上表所给速度进行降低。
6. 在不干涉的条件下尽可能使刀具最长最短。

PEX
UEX

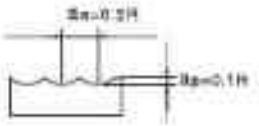
Two flutes ball nose end mills cutting parameters

二刃球刀说明参数

B243

Material Science 被切材料	Cast iron Carbon steel Alloy steel 硬碳、碳素钢、合金钢 -30HRC		Stainless steel 不锈钢		Pre hardened steel Quenched and tempered steel 预硬钢、调质钢 -40HRC		Pre hardened steel Quenched and tempered steel 预硬钢、调质钢 -50HRC		Hardened steel 淬硬钢 -50HRC	
Diameter (mm)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)
R0.5	40000	960	22300	240	32000	385	25000	330	22280	295
R1.0	24000	1080	11150	75	16000	480	13000	330	11140	295
R1.5	15500	1150	7400	350	10600	545	8500	335	7430	295
R2.0	11500	1150	5550	445	8000	665	6500	450	5570	385
R2.5	9500	1270	4450	445	6400	665	5000	455	4455	405
R3.0	8000	1270	3700	470	5300	700	4200	470	3715	420
R4.0	6000	1575	2750	550	4000	850	3200	535	2785	465
R5.0	4800	1455	2200	520	3200	785	2500	535	2230	465
R6.0	4000	1330	1850	520	1650	740	2100	505	1855	450
R8.0	3000	1270	1350	455	2000	725	1600	455	1395	395
R10.0	2400	1150	1100	445	1600	675	1250	400	1115	360

最大切削量
maximum cutting depth



1. please use the high precision machine tool and toolholder.
2. please cutting fluid using air cooling or not easy to have a smoke.
3. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
4. in the no interference conditions as far as possible to make the tool overhang length shortest.

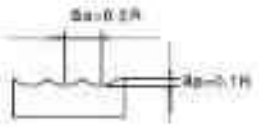
1、请使用高精度的机床和刀柄。
2、请使用切削气冷或是不易产生烟雾的切削液。
3、机床与工件安装刚性较差的情况下，会产生振动和异常声音，此时需要上表的转速与进给速度向上降低。
4、在不干涉的条件下尽可能使刀具最快最短。

PEX
UEX

Four flutes ball nose end mills cutting parameters

Material Science	Cast iron Carbon steel Alloy steel -30HRC		Stainless steel		Pre hardened steel Quenched and tempered steel -40HRC		Pre hardened steel Quenched and tempered steel -50HRC		Hardened steel -60HRC	
Diameter (mm)	Speed (rev/min)	Feed speed (mm/min)	Speed (rev/min)	Feed speed (mm/min)	Speed (rev/min)	Feed speed (mm/min)	Speed (rev/min)	Feed speed (mm/min)	Speed (rev/min)	Feed speed (mm/min)
R1.5	15500	2055	7400	625	10600	875	8500	800	7430	525
R2.0	11500	2055	5550	795	8000	1190	6500	800	5570	685
R2.5	9500	2270	4450	795	6400	1190	5000	810	4455	720
R3.0	8000	2270	3700	840	5300	1245	4200	840	3715	745
R4.0	6000	2810	2790	985	4000	1515	3200	950	2785	825
R5.0	4800	2595	2200	925	3200	1405	2500	950	2230	825
R6.0	4000	2375	1850	925	1650	1320	2100	905	1855	800
R8.0	3000	2270	1350	815	2000	1295	1600	810	1395	705
R10.0	2400	2055	1100	795	1600	1200	1250	715	1115	640

maximum cutting depth 最大切深



1. please use the high precision machine tool and toolholder.
2. please cutting fluid using air cooling or not easy to have a smoke.
3. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the tool table speed and feed speed down.
4. in the no interference conditions as far as possible to make the tool overhang length shorter.

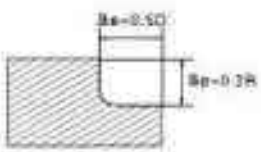
1. 请使用高精度的机床和刀柄。
2. 请使用空气冷却或不易产生烟雾的切削液。
3. 机床与工件安装刚性较差的情况下，会产生振动和异常声音，此时应将工具的转速与进给速度降低。
4. 在不干涉的条件下尽可能使刀具悬长缩短。

PEX
UEX

Four flutes corner radius end mills cutting parameters

四刃圓鼻刀切削參數

Material Science 被切材料	Cast iron Carbon steel Alloy steel 鑄鐵、碳素鋼、合金鋼 -30HRC		Quenched and tempered steel 調質鋼 -40HRC		Quenched and tempered steel 調質鋼 -45HRC		Quenched and tempered steel 調質鋼 -50HRC		Quenched and tempered steel 調質鋼 -55HRC	
Diameter of X radius 直徑X圓弧半徑	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)
3.0XR0.8	10500	6250	6500	4500	7450	3900	5300	2600	3200	995
4.0XR1.0	7950	6600	6350	4800	5550	4200	4000	2750	2400	1050
5.0XR1.2	6350	7000	5100	5100	4450	4450	3200	2850	1900	1150
6.0XR1.0 6.0XR1.5	5300	7000	4250	5100	3700	4450	3650	2850	1600	1150
8.0XR1.0 8.0XR2.0	4550	7000	3200	5100	2800	4450	2000	2850	1200	1150
10.0XR1.0 10.0XR2.0	3200	7000	2550	5100	2250	4450	1600	2850	955	1150
12.0XR2.0 12.0XR3.0	2650	7000	2100	5100	1850	4450	1350	2850	795	1150
最大切削量 maximum cutting depth	最大 Bp=0.5mm						最大 Bp=0.4mm		最大 Bp=0.2mm	



1. please use the high precision machine tool and toolholder.
2. please cutting fluid using air cooling or not easy to have a smoke.
3. recommend clockwise milling.
4. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
5. in the no interference conditions as far as possible to make the tool overhang length shortest.
6. the cutting parameters based on extended L/D < 4 higher processing, when the suspension is not at the same time, please press table adjustment.

1、請裝用高精度的机床與刀柄。
2、請裝用冷气冷却以不產产生越霧的切削液。
3、推荐顺时改工。
4、机床与工件安裝和作整差的情况下，会产生顺时刻果有声音，此时应将上面的物质与合相速度列入降低。
5、在不干涉的条件下尽可能使刀具最快缩短。
6、以上切削参数时基于最小L/D<4的高等加工，当最终不同时，请按下表进行调整。

Overhang is not at the same time, cutting parameter adjustment
最终不同时，切削参数的调整。

Overhang 最终	Cutting speed 切削速度 (m/min)	Axial depth of cut 轴向切深 (mm)	Feed speed 进给速度 (mm/min)
L/D≤4	100%	100%	100%
L/D=5	80%~90%	70%~90%	80%~90%
L/D=6	60%~80%	50%~70%	60%~80%

PEX
UEX

Six flutes finishing end mills cutting parameters

六刃精銑刀切削參數

Material Science 被切材料	Cast iron Carbon steel Alloy steel 鑄鐵，碳素鋼，合金鋼 -30HRC		Stainless steel 不銹鋼		Pre hardened steel Quenched and tempered steel 預硬鋼，調質鋼 -40HRC		Pre hardened steel Quenched and tempered steel 預硬鋼，調質鋼 -50HRC		Hardened steel 淬硬鋼 -50HRC	
Diameter (mm)	Speed (mm^{-1})	Feed speed (mm/min)	Speed (mm^{-1})	Feed speed (mm/min)	Speed (mm^{-1})	Feed speed (mm/min)	Speed (mm^{-1})	Feed speed (mm/min)	Speed (mm^{-1})	Feed speed (mm/min)
6	7000	1070	3700	195	5300	815	4200	650	3710	470
8	5200	1070	2800	195	4000	815	3200	660	2785	485
10	4200	1035	2200	195	3200	800	2500	630	2230	450
12	3500	1035	1850	195	2650	800	2100	630	1855	450
16	2600	975	1400	180	2000	750	1600	590	1390	435
20	2050	960	1100	150	1600	740	1250	580	1115	420
maximum cutting depth 最大切深量			ae=0.05D ap=1.5D 最大 ae=1.0mm				ae=0.03D ap=1.5D 最大 ae=0.5mm			

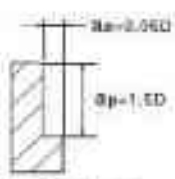
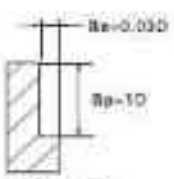
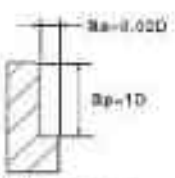
1, please use the high precision machine tool and toolholder.
2, please cutting fluid using air cooling or not easy to have a smoke.
3, side milling recommended clockwise milling.
4, machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
5, in the no interference conditions as far as possible to make the tool overhang length shortest.

1、请使用高精度的机床和刀柄。
2、请使用空气冷却或不易产生烟雾的切削液。
3、侧面铣削推荐顺铣加工。
4、机床与工件安装刚性较差的情况下，会产生振动和异常声音，此时应将上表的转速与进给速度同比降低。
5、在不干涉的条件下尽可能使刀具最长最短。

HEX

CEX

Two flutes aquare end mills cutting parameters

Material Science	Pre hardened steel Hardened steel 40~52HRC		Hardened steel 50~60HRC		Hardened steel 60~65HRC	
Diameter (mm)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)
1	40000	160	40000	160	32000	130
2	40000	400	24000	240	16000	160
3	32000	510	16000	255	11000	175
4	24000	625	12000	310	8000	210
5	19000	685	9500	340	6400	230
6	16000	770	8000	385	5300	255
8	12000	770	6000	385	4000	255
10	9800	770	4800	385	3200	255
12	8000	800	4000	400	2700	270
14	6800	680	3400	340	2300	230
16	6000	600	3000	300	2000	200
18	5300	530	2700	270	1800	180
20	4800	480	2400	240	1600	160
maximum cutting depth 最大切深量	 最大 Ae=1.2mm		 最大 Ae=0.5mm		 最大 Ae=0.3mm	

1. please use equipment and fixture, high precision, high rigidity.
2. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
3. please use the air cooling or the MQL (minimum oil mist cooling).
4. side milling recommended clockwise milling.
5. in the no interference conditions as far as possible to make the tool overhang length shortest.

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HEX
CEX

Four flutes aquare end mills cutting parameters

Material Science	Pre hardened steel Hardened steel 40~52HRC		Hardened steel 50~60HRC		Hardened steel 60~64HRC	
Diameter (mm)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)	Speed (rpm)	Feed speed (mm/min)
1	40000	320	40000	320	32000	260
2	40000	800	24000	480	16000	320
3	32000	1020	16000	510	11000	350
4	24000	1250	12000	620	8000	420
5	19000	1360	9500	680	6400	460
6	16000	1540	8000	770	5300	510
8	12000	1540	6000	770	4000	510
10	9600	1540	4800	770	3200	510
12	8000	1600	4000	800	2700	540
14	6800	1340	3400	680	2300	460
16	6000	1200	3000	600	2000	400
18	5300	1060	2700	530	1800	360
20	4800	960	2400	480	1600	320
maximum cutting depth 最大切削量	Ae=2.0ED Ap=1.5D 最大 Ae=1.2mm		Ae=0.03D Ap=1D 最大 Ae=0.6mm		Ae=0.02D Ap=1D 最大 Ae=0.4mm	

1. please use equipment and fixture, high precision, high rigidity.
2. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
3. please use the air cooling or the MQL (minimum oil mist cooling).
4. side milling recommended clockwise milling.
5. in the no interference conditions as far as possible to make the tool overhang length shortest.

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HEX
CEX

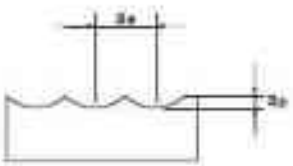
Two flutes ball nose end mills cutting parameters

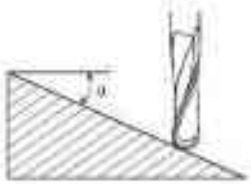
二刃球刀切削參數

B249

Material Science 被切材料	Pre hardened steel Hardened steel 預硬鋼，淬硬鋼 40-52HRC				Hardened steel 淬硬鋼 52-60HRC				Hardened steel 淬硬鋼 60-68HRC			
Ball radius 球面半徑 (mm)	Speed (rpm)	Feed speed (mm/min)	Ap (mm)	Ae (mm)	Speed (rpm)	Feed speed (mm/min)	Ap (mm)	Ae (mm)	Speed (rpm)	Feed speed (mm/min)	Ap (mm)	Ae (mm)
R0.5	40000	1900	0.01	0.05	36000	1500	0.01	0.05	32000	1400	0.01	0.05
R1.0	33000	3100	0.02	0.075	26000	2100	0.02	0.075	24000	2000	0.02	0.075
R1.5	28000	4100	0.03	0.1	23000	2900	0.03	0.1	21000	2600	0.03	0.1
R2.0	22000	3900	0.04	0.15	17000	2500	0.04	0.15	15500	2100	0.04	0.15
R2.5	17500	3500	0.05	0.15	13500	2200	0.05	0.15	13000	2000	0.05	0.15
R3.0	16000	3100	0.06	0.2	11500	1700	0.06	0.2	10500	1500	0.06	0.2
R4.0	11000	2500	0.08	0.25	8800	1600	0.08	0.25	8000	1400	0.08	0.25
R5.0	9000	2000	0.1	0.3	7000	1400	0.1	0.3	6000	1200	0.1	0.3
R6.0	7500	1800	0.1	0.35	5700	1300	0.1	0.35	5300	1200	0.1	0.35
R8.0	5600	1800	0.1	0.4	4300	1300	0.1	0.4	4000	1200	0.1	0.4
R10.0	4500	1800	0.1	0.5	3500	1300	0.1	0.5	3200	1200	0.1	0.5

maximum cutting depth 最大切削量





1. Load high processing load changes in small benchmark.
2. please equipment and fixture using high precision, high rigidity.
3. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
4. please use the air cooling or the MQL (minimum oil mist cooling).
5. the angle of tilt a exceeds 15° , please will speed, feeding speed on the table down to 50% - 60%.
6. in the no interference conditions as far as possible to make the tool overhang length shortest.

1. 上機刀具承接加工負荷改變從小開始基準。
2. 請使用高精度、高剛性的設備夾具。
3. 機床與工件安裝剛性越差的情況下，會產生振動和異常聲音，此時必須上調轉速與進給速率比例值。
4. 請使用空氣冷卻或MQL（最小量油霧冷卻）。
5. 傾斜角度a超過15° 時，請將上面的轉速、進給速率下調至50%-60%。
6. 在不干涉的條件下儘可能使刀具懸長最短。

HEX

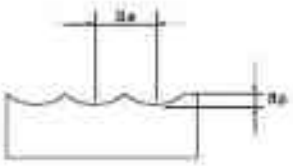
CEX

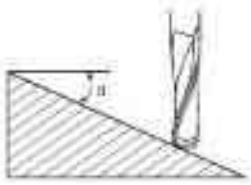
Four flutes ball nose end mills cutting parameters

B250

Material Science	Pre hardened steel Hardened steel 45-52HRC				Hardened steel 52-60HRC				Hardened steel 60-68HRC			
Ball radius (mm)	Speed (min⁻¹)	Feed speed (mm/min)	ap (mm)	ae (mm)	Speed (min⁻¹)	Feed speed (mm/min)	ap (mm)	ae (mm)	Speed (min⁻¹)	Feed speed (mm/min)	ap (mm)	ae (mm)
R1.5	29000	6560	0.03	0.1	22800	4560	0.03	0.1	21100	4240	0.03	0.1
R2.0	22000	6250	0.04	0.15	17100	4000	0.04	0.15	15800	3520	0.04	0.15
R2.5	17500	5600	0.05	0.15	13600	3520	0.05	0.15	1270	3200	0.05	0.15
R3.0	15000	5000	0.06	0.2	11400	3000	0.06	0.2	10600	2900	0.06	0.2
R4.0	11000	4200	0.08	0.25	8550	2500	0.08	0.25	7950	2250	0.08	0.25
R5.0	9000	3500	0.1	0.3	6850	2200	0.1	0.3	6350	2000	0.1	0.3
R6.0	7500	3000	0.1	0.35	5700	2000	0.1	0.35	5300	1900	0.1	0.35
R8.0	5500	3000	0.1	0.4	4280	2000	0.1	0.4	4000	1900	0.1	0.4
R10.0	4500	3000	0.1	0.5	3425	2000	0.1	0.5	3200	1900	0.1	0.5

maximum cutting depth





- 1. solid high processing load changes in small benchmark.
- 2. please equipment and fixture using high precision, high rigidity.
- 3. machine tool and workpiece installation rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
- 4. please use the air cooling or the MQL (minimum oil mist cooling).
- 5. the angle of tilt a exceeds 15° , please will speed, feeding speed on the table down to 50%~60%.
- 6. in the no interference conditions as far as possible to make the tool overhang length shortest.

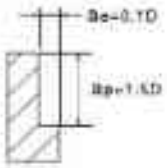
AEX 2 flutes aluminum end mills cutting parameters

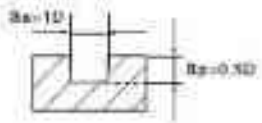
[illegible]

B251

Material Science 被切材料	Aluminium alloy 鋁合金		Silicon aluminum alloy 矽鋁合金 Si<10%	
Diameter (mm)	Speed (mm^{-1})	Feed speed (mm/min)	Speed (mm^{-1})	Feed speed (mm/min)
1	40000	650	40000	500
2	40000	950	32000	750
3	26500	1500	21000	1100
4	20000	1600	16000	1250
5	16000	1500	13000	1100
6	13000	1250	10600	1000
8	10000	1400	8000	1100
10	8000	1600	6500	1250
12	6600	1650	5300	1300
14	5700	1700	4600	1350
16	5000	1700	4000	1350
18	4400	1700	3500	1350
20	4000	1700	3200	1350

最大切削量 (maximum cutting depth)





1. the table is the reference value based on the side milling. The slot milling conditions table feed rate of 75% for the benchmark.
2. please use the tool shank rigidity and high precision machine tool and the workpiece, when the installation of rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
3. please use the water soluble cutting fluid.
4. side milling recommended clockwise milling.
5. in the no interference conditions as far as possible to make the tool overhang length shortest.

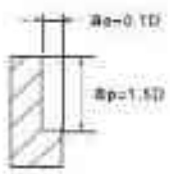
1、上表是用于側面銑刀的基本數，槽銑刀的數值以上表的數值的75%為基準。
2、[illegible]
3、[illegible]
4、[illegible]
5、[illegible]

AEX 3 flutes aluminum end mills cutting parameters

铝用3刃铣刀切削参数

Material Science 被切材料	Aluminium alloy 铝合金		Silicon aluminum alloy 硅铝合金 Si<13%	
Diameter (mm)	Speed (min⁻¹)	Feed speed (mm/min)	Speed (min⁻¹)	Feed speed (mm/min)
1	40000	800	40000	600
2	40000	1200	32000	900
3	26500	1800	21000	1300
4	20000	2000	16000	1500
5	16000	1750	13000	1500
6	13000	1500	10600	1200
8	10000	1650	8000	1300
10	8000	1900	6500	1500
12	6600	1950	5300	1550
14	5700	2000	4600	1600
16	5000	2000	4000	1600
18	4400	2000	3500	1600
20	4000	2000	3200	1600

maximum cutting depth 最大切削深度





1. the table is the reference value based on the side milling. The slot milling conditions table feed rate of 70% for the benchmark.
2. please use the tool shank rigidity and high precision machine tool and the workpiece, when the installation of rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
3. please use the water soluble cutting fluid.
4. side milling recommended clockwise milling.
5. in the no interference conditions as far as possible to make the tool overhang length shortest.

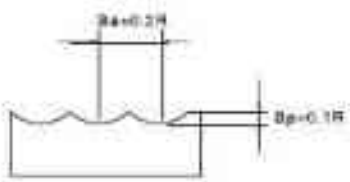
1. 上表是基于侧开槽的切基准值，槽铣切削条件表上表给进速度的70%为基准。
2. 请使用刚性铣床及高精度的机床和刀柄，当机床与工件安装刚性较差时导入了，会产生振动和异常声音，此时应将上面的转速与进给速度降低使用。
3. 请使用水溶性切削液。
4. 推荐顺时针铣削加工。
5. 在不干涉的条件下尽可能使刀具悬长最短。

AEX Aluminum ball nose end mills cutting parameters

鋁用球刀切削參數

Material Science 被切材料	Aluminium alloy 鋁合金		Silicon aluminum alloy 硅鋁合金 Si<10%	
Diameter (mm)	Speed (mm⁻¹)	Feed speed (mm/min)	Speed (mm⁻¹)	Feed speed (mm/min)
R1.0	40000	2000	32000	1600
R1.5	26500	1950	21000	1550
R2.0	20000	1950	16000	1550
R2.5	16000	1950	13000	1550
R3.0	13000	2000	10600	1600
R4.0	10000	2450	8000	2000
R5.0	8000	2200	6500	1750
R6.0	6600	2050	5300	1650

maximum cutting depth 最大切削量



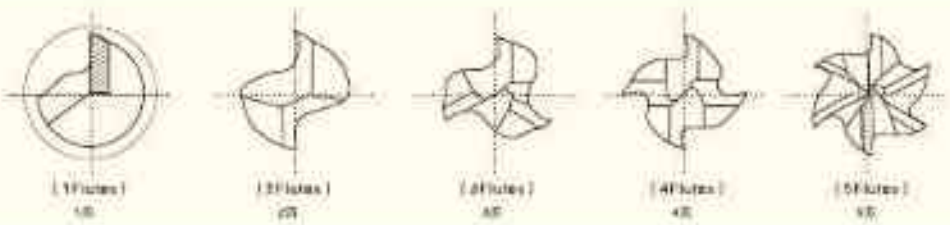
1. please use the tool shank rigidity and high precision machine tool and the workpiece, when the installation of rigid poor circumstances, will produce vibration and abnormal sound, this should be the last table speed and feed speed down.
2. the cutting depth is small, speed and feed speed can increase.
3. please use the water soluble cutting fluid.
4. in the no interference conditions as far as possible to make the tool overhang length shortest.

1、[illegible]
2、[illegible]
3、[illegible]
4、[illegible]

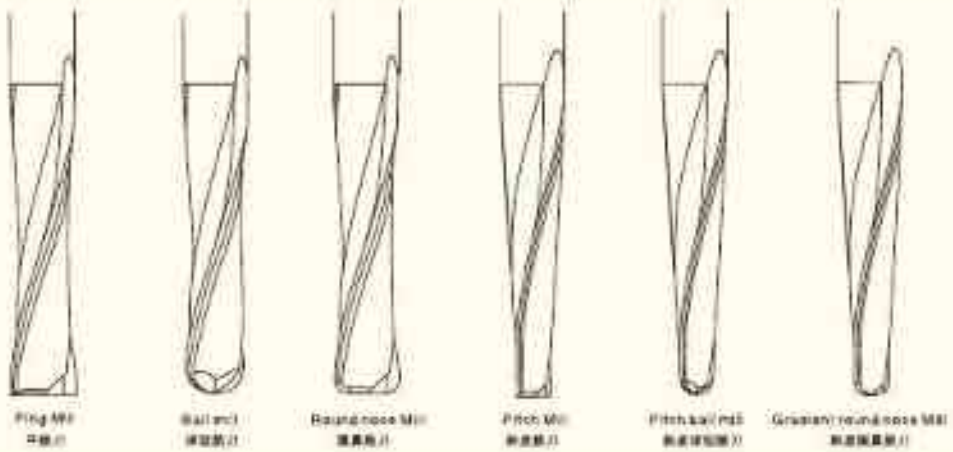
Size Name Description



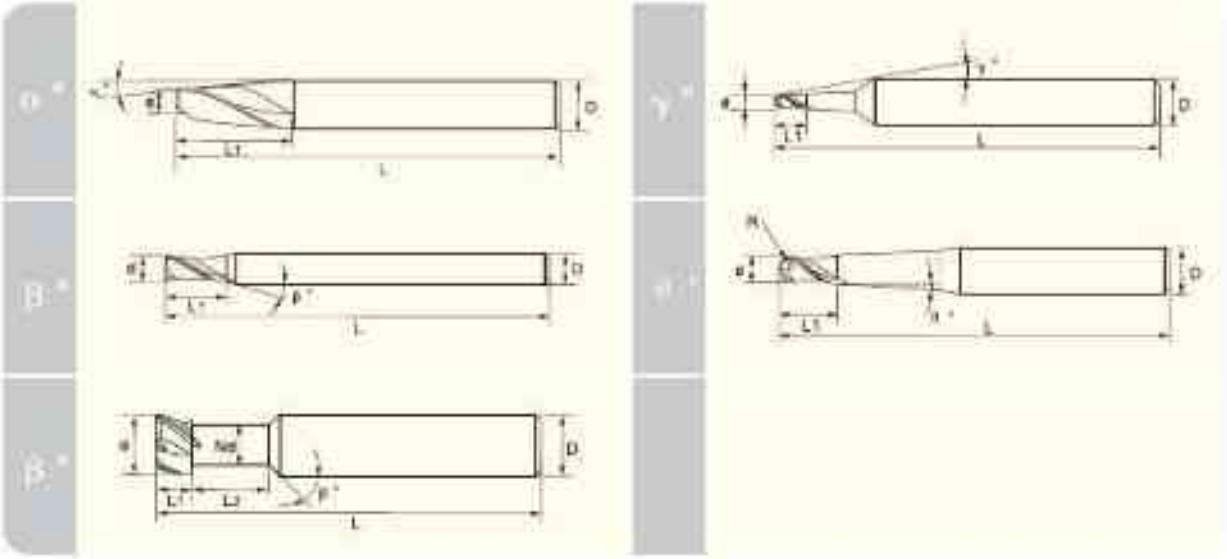
Flutes



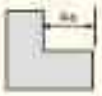
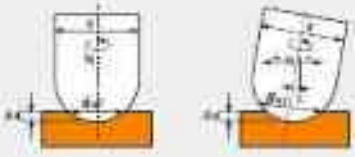
Types



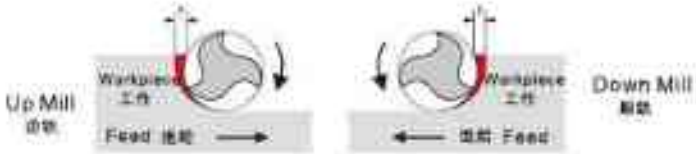
Explanation of symbols



Explanation of symbols 符號說明

A_d	Processing axis depth 加工軸深(mm)		
R_d	Diameter deep processing 加工徑深(mm)		
V_c	Cutting speed	切削速度（M/min）	$V_c = \frac{D \times N \times \pi}{1000}$
N	Back to Speed	回轉速（min^{-1}）	$N = \frac{V_c \times 1000}{d \times \pi}$
V_f	Feed rate	每分鐘進給速度（mm/min）	$V_f = f_z \times N \times Z$
f_z	Feed per tooth	每刃進給量(mm)	$f_z = \frac{V_f}{N \times Z}$
f	Feed per revolution	每轉進給量（mm/rev）	$f = f_z \times Z$
Q	Removal rate cut	切削移除率（mm^3/min）	$Q = A_d \times R_d \times V_f$
λ°	Blade angle (°)	刃傾角（° ）	如下圖所示
d_{ef}	Effective diameter of the ball knife 球刀有效直徑(mm) 		當 $\lambda^\circ = 0$ 時 $d_{ef} = 2\sqrt{\pi d(d-\pi d)}$ 當 $\lambda^\circ \neq 0$ 時 $d_{ef} = d \cdot \sin\left[\lambda + \arccos\left(\frac{d-2\pi d}{d}\right)\right]$
V_{ef}	Effective cutting speed milling	銑刀的有效切削速度（M/min）	$V_{ef} = \frac{d_{ef} \times N \times \pi}{1000}$
d	Cutter diameter	銑刀直徑（mm）	
Z	Teeth	齒數（ ）	

Side cutting 側面切削



Slot hole cutting 槽穴切削



Up Mill VS Down Mill:
In general, to make the long tool life and get a good surface roughness, is recommended (climb milling); if the working surface is very rough and uneven sand, recommended (inverse milling).

逆銑VS順銑:
一般而言，要使刀具壽命長及得到好的表面粗糙度，推薦用【順銑】；
若工件表面粗糙不平整且夾砂，推薦用【逆銑】。

Diameter of the actual processing formula
實際加工直徑計算式

$$d_{ef} = 2\sqrt{\pi d(d-\pi d)}$$



磨削加工中问题及对策

问题	原因	对策
(1)刀具很小或刃磨困难	1.刀具安装不当	1.安装悬伸量减小 2.检查砂轮夹具是否老化磨损，精度不好，夹持不良，是否有毛刺，更换正常品。
	2.工件安装方法或机床抗振的刚度考虑不充分	1.提高工件的安装刚性（使用油压顶尖，顶铁，垫片等，使工件在径向作用下不滑动） 2.工作台导轨间的间隙调整（根据需要调整是否必要） 3.检查主轴的上下，工作台的纵横三轴中固定是否可靠 4.检查机床的预紧性，避免重锤震荡，确定磨削系统产生振动的频率，调整机床一下频率。
(2)切削力增加而磨削刃	1.刃口小因为锐利原因的影响更大，更容易钝化。	1.降低速度，参考适当降速度进一步的情况
	2.径向角度（切深＋进给）不当，立铣刀底平面受	1.减次立铣刀的直径（减小横向）
	3.刀具或工件安装不稳定	1.刀具安装的悬伸量小　3.确保及工件的安装稳定性质量高
	4.内部磨以各别的磨削时的裂纹	1.用锋利的树脂结合剂金刚石砂轮以不太高的速度（1500m/min以下）湿式磨削，并10倍以上的倍率外观检查。
	5.没有硬质合金刚刃使用超硬，产生软硬磨损。	1.在地力的加下降低，先停进给，再停主轴（磨床功率不足或调整砂轮时，磨削振动） 2.检查夹持及定位精度是否松动和螺钉 3.切削刃参照因子重新上进行研磨 4.特别注意锐性，工件不跳出槽 5.确定金属灰刃的旋转方向是否正确 6.不要同样一平的磨损，刃离刀之间不能有缝隙，请根据加工条件以上
(3)切削中断磨削	1.工件切入、切出时，旋转方向突然改变等，引起负荷急剧性变化	1.降低速度（降都可行） 2.减小安装时的悬伸量 3.根据需要，最大限度减低刃角 4.对有关问题的角特性进行检查
	2.切削负荷过大。	1.防止磨屑堵塞等，及时清去。 2.降低每刃进刚量。 3.提高量不变，增高转速。 4.减小切深。 5.增加刃数以减小刃数以避免切屑堵塞及堆屑。 6.切刃未进行倒棱时，进行倒棱，减小刃具锐角部角避免应力集中。 7.减小安装悬伸量，避免表面负具不良。 8.增加切削液或型部分氧离子性，增强润滑能力。 9.选择软质结合剂。
	3.由于磨损。	1.切削力引起型磨加工刀具的应力超过等90kg/mm2，根据硬质刀具刀具强度为50kg/mm2的重切削的组合，超过具时10？（3000转＞63小时）以上连续用磨，有可能发生超预磨损，应在此前更换工具。
(4)加工表面变化	1.切削力塑性不超过刀刃的弹性恢复或恢复是回复性的且各后受力常易增异。	1.降低速度 2.减小切深 3.选择质硬磨损的一款 4.增大螺旋角 5.增多刃数 6.减小刃直 7.提高切削刃的锋利程度 8.后刃口圆角度下降越多之越锐刃
	2.产生颤振	1.降低转数（切削速度），但也有增加转速有时一些的情况 2.提高进给量0.04mm/刃以上绿色降低颤振 3.增加工件的安装刚性 4.提高刀具的安装刚性（减小悬伸，夹紧牢固） 5.选用不等分工具
(5)加工精度不良	1.很刚切削量比设定值大，磨生钝刃。	1.减小加工数量 2.整理砂轮磨损 3.增次修整以提高刃口锋利性 4.提高刀具的安装刚性（减小悬伸，夹紧牢固）
	2.崩裂刃锐部，缺点，加工表面中有深痕，磨生缺刃。	1.减小加工能量 2.提高锋度 3.减小进给 4.增加刃数 5.提高刀具的安装刚性（减小悬伸，夹紧牢固） 6.对新被加工皮膜部的铝系金属等软质的强磨量，对刀具外周刃进行开磨。

B257

Milling-side in the issue and countermeasures

Problems	Reason	Countermeasures
1.Cutter blade small/rapid collapse occurred	1.Improper installation tool	1.Suspended the installation of a minimum amount of stretching. 2.Spring check whether Bush or Chuck aging wear, precision is not good, bad clip. Whether there is a gittin. The replacement of normal goods.
	2.Workpiece methods or tools to install anti-seismic measures are not taken into full/improper installation tool	1.Enhance the work of the installation of rigid (the use of top oil, block, gaskets and so on. So that the workpiece or cutting under non-slip). 2.Sliding table to adjust the gap (to confirm whether the good side fixed block). 3.Check up and down the main shaft the drive platform in the fixed-cutting in the reliability. 4.Survey of the machine tools used to avoid gear shaft vibration system to produce the type Of speed, appropriate adjustments to speed.
2.Breakdown of the cutting edge,severe damage	1.With the same edge of collapse small impact or larger,more superficial	1.Lower feed,but also improve the speed will be better.
	2.Comparative load(to cut deep into x), the cutter is too long	1.Increase the diameter of the cutter (by hanging under the stretch).
	3.Workpiece or tool to install unstable	1.Is hanging tool to install the smallest stretch. 2.Workpiece and the machine to install high-accuracy rigid as far as possible.
	4.Naked eye can hardly see the ground when the crack	1.With sharp resin binders diamond grinding wheel with not too high speed (1500m/min below)Wet grinding,with more than 10 times the microscope of scrutiny.
	5.Has not carbide cutter-side experience,have a primary error	1.Downtime in the difficult conditions,to stop feeding,and then stop rotating (or lack of power tools As a result of load trip,should stop feeding). 2.Forget to check tightening screws and pressed t.ease block. 3.Cutting edge wear too serious before replacement. 4.Special attention to tool-forward,can not go wrong. 5.Please note that folder machine tool rotary direction is correct. 6.Do not single-handedly arrested several at the same time,with the knife blade between the collision can not be prudent not to fall at the end of the loading and unloading.
3.Cutting in a serious impairment	1.Workpiece cut,cut out,feel all of a sudden change in direction ,and so on,caused by the impact of changes in the load.	1.Lower feed (to local). 2.To reduce the installation time suspended the amount of stretch. 3.Necessary to reduce the maximum length Downcut. 4.Bushing on. The holding chuck of the inspection.
	2.Cutting load is too large	1.To prevent the occurrence of excessive wear, the tool change in a timely manner. 2.To the cost of each and every blade into the volume. 3.To enter the same amount,to increase speed. 4.Reduce the depth of cut. 5.To raise or reduce speed to avoid a number of cutting-edge plug and eating crumbs. 6.Without cutting edge chamfering,comet of the neck to avoid cutting tools to reduce stress concentration. 7.To reduce the installation of hanging stretch,to avoid bad set of grinding chuck. 8.Increase the cutting fluid cluster of compressed air to enhance the ability Chip. 9.Milling into the inverse cut-milling.
	3.Fatigue damage	1.Cutter cutting force cause the whole side of the bending stress, when more than 50kg/mm,welding-end steel cutter body stress over 50kg/mm occasion at the recutting,after stabal of 10 (2000 to a 80hours) over the use of the possibility of a fatigue failure,should be the replacement of the previous blade.
4.Poor surface	1.Cutter cutting force changes,in the flexibility to restore or change is intermittent and the edge of the state of stress differences	1.Lower feed. 2.Reduce the depth of cut. 3.Shun the milling milling try to reverse. 4.Helix angle increased. 5.Increase the number edge. 6.Reduce the long edge. 7.Enhance the cutting edge of precision boot. 8.Edge in sharp decline over time prior to the ATC.
	2.Have a flutter	1.Lower speed (speed). But there are also some increase in speed will be good. 2.Enhance the feed out 0.04mm/blade to be lowered more than try. 3.Workpiece increase in the installation of rigid. 4.Tool to improve the installation of rigid (reducing stretch Suspended,firmly clamp). 5.Ranging from sub-tool use.
5.Machining accuracy bad	1.Radial cutting volume settings,took place to eat edge	1.Allowance reduced. 2.Inverse change for the milling milling-shun. 3.Speed increases to improve the sharp edge of reality. 4.Tool to improve the installation of rigid (reducing stretch suspended,firmly clamp),suspended,firmly clamp). 5.Ranging from sub-tool use.
	2.Cutter-side hit,the vertical surface difference,Let occurred knife	1.Allowance reduced. 2.Speed to raise. 3.Reduce feed. 4.Blade increase in the number. 5.Tool to improve the installation of rigid (reducing stretch suspended,firmly clamping). 6.Edge in sharp decline over time prior to the Attached. 7.Was for the actual processing side of the inclined to choose the appropriate amount of the cone back,on the peripheral edge tool for grinding.