

数控刀具 CNC TOOLS



- 硬质合金刀具 Carbide Cutting Tools
- 焊接刀具 Bore Machining
- 可转位刀具 Indexable Carbide End Mill
- 机床附件 Machine Tool Accessories
- 非标刀具 Non-standard Tools

INTRODUCTION

企业简介

本企业是生产整体钨钢刀具、焊刃刀具、舍弃式刀杆、可转位刀具、刀柄、非标刀具的专业生产厂家。

生产项目：

整体硬质合金铣刀、钻头、铰刀、硬质合金锯片铣刀、螺旋立铣刀、焊接刀具、可转位刀具、加工中心刀具、刀柄等各类CNC机械加工领域。并承接各种非标刀具的设计与制造。

采用的材料和设备：

采用优质国产、进口棒料，采用德国先进的一流制造设备，来满足客户的各种需求，优质的材料、精良的设备，造就了企业一流的产品，谨此欢迎新老客户来电来函洽谈订购！

我们保证：

为提高用户生产力，降低用户生产成本，解决用户切削难题，满足用户加工质量，以质量第一、信誉至上、交货及时为宗旨，竭诚为制造行业服务！

The company is the production of the overall tungsten steel cutting tools, cutting tools, welding blade abandon type tool rod, indexable tool, the handle, non-standard cutting tools of professional manufacturers.

Production project:

Solid carbide milling cutter, drill, reamer, carbide saw blade milling cutter, spiral vertical milling cutter, welding tools, indexable tool and machining center tools, handle and other kinds of CNC machining field. And undertake the design and manufacture of various non-standard cutting tools.

Using the materials and equipment:

Made of high quality domestic and imported bar, USES the German advanced first-class manufacturing equipment, to meet the various needs of customers, high quality materials, sophisticated equipment, has created the first-class products, hereby welcome new and old customers to negotiate orders with us.

We guarantee that:

To enhance user productivity, reduce the user cost of production, solve the user cutting problem, satisfy customer processing quality, quality first, credit first, timely delivery as the objective, wholeheartedly for the manufacturing industry service!



CONTENTS 目录



铣削刀具
Milling Tools



钻削刀具
Drilling Tools



铰削刀具
Reaming Tools



丝锥系列
Taps Series



焊接刀具
Soilering Tools



可转位刀具
Machine Tool Accessories



机床附件
Machine Tool Accessories



非标刀具
Non-standard Tools

铣削刀具 Milling tools



Solid Carbide Micro 2 Flutes End Mill

X1101 整体硬质合金微小径2刃铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

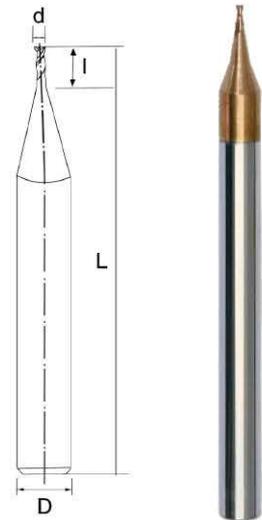
◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
d	l	D	L	
0.2	0.4	4	50	X1101-0200
0.3	0.6	4	50	X1101-0300
0.4	0.8	4	50	X1101-0400
0.5	1.0	4	50	X1101-0500
0.6	1.2	4	50	X1101-0600
0.7	1.4	4	50	X1101-0700
0.8	1.6	4	50	X1101-0800
0.9	1.8	4	50	X1101-0900



Solid Carbide Micro 2 Flutes Ball Nose End Mill

X1102 整体硬质合金微小径2刃球头铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

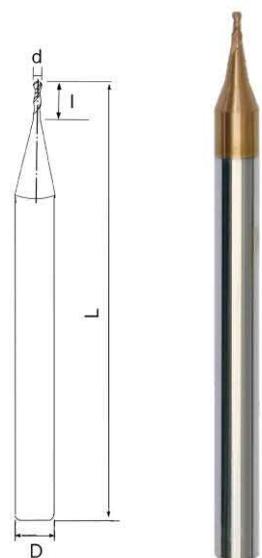
◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

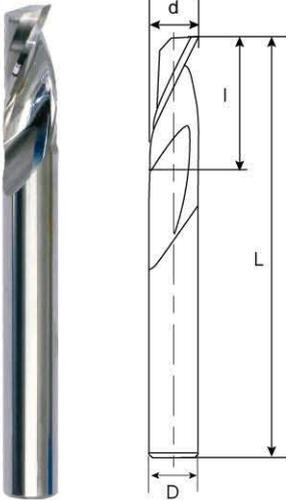
○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
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R0.15X0.3	0.6	4	50	X1102-0015
R0.2X0.4	0.8	4	50	X1102-0020
R0.25X0.5	1.0	4	50	X1102-0025
R0.3X0.6	1.2	4	50	X1102-0030
R0.35X0.7	1.4	4	50	X1102-0035
R0.4X0.8	1.6	4	50	X1102-0040
R0.45	1.8	4	50	X1102-0045



Solid Carbide Single Flutes Straight Shank End Mill(Standard Size)

X1103 整体硬质合金单刃直柄立铣刀 (标刃)



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件 < 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel、Cast Iron、Aluminium、Copper、Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格					订货号/Item Code	规格					订货号/Item Code
d	D(h6)	l	L	d		D(h6)	l	L			
3.0	6	7	50	X1103-0300	6.0	6	12	50	X1103-0600		
3.5	6	7	50	X1103-0350	7.0	8	16	50	X1103-0700		
4.0	6	8	50	X1103-0400	8.0	8	16	50	X1103-0800		
4.5	6	9	50	X1103-0450	9.0	10	19	60	X1103-0900		
5.0	6	10	50	X1103-0500	10.0	10	19	60	X1103-1000		
5.5	6	10	50	X1103-0550							

Solid Carbide 2 Flutes End Mill For Aluminim

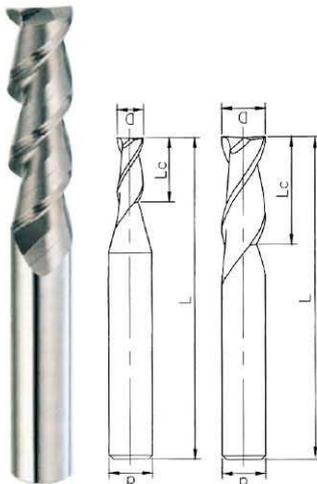
X1104 整体硬质合金2刃铝用铣刀

◇ 铣刀类用途

铝合金、塑料、木头等

◇ Cutter types of use:

Aluminium Alloyed、Plastics Wood etc.



技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格					订货号/Item Code	规格					订货号/Item Code
d	D(h6)	l	L	d		D(h6)	l	L			
1	4	3	50	X1104-0100	7	8	20	60	X1104-0700		
1.5	4	4	50	X1104-0150	8	8	20	60	X1104-0800		
2	4	6	50	X1104-0200	9	10	22	75	X1104-0900		
2.5	4	8	50	X1104-0250	10	10	25	75	X1104-1000		
3	4	8	50	X1104-0300	11	12	26	75	X1104-1100		
3.5	4	10	50	X1104-0350	12	12	30	75	X1104-1200		
4	4	11	50	X1104-0400	14	14	32	75	X1104-1400		
4.5	6	11	50	X1104-0450	16	16	45	100	X1104-1600		
5	6	13	50	X1104-0500	18	18	45	100	X1104-1800		
5.5	6	16	50	X1104-0550	20	20	45	100	X1104-2000		
6	6	16	50	X1104-0600							

Solid Carbide 3 Flutes End Mill For Aluminum

X1105 整体硬质合金三刃铝用立铣刀

◇ 铣刀类用途

铝合金、塑料、木头等

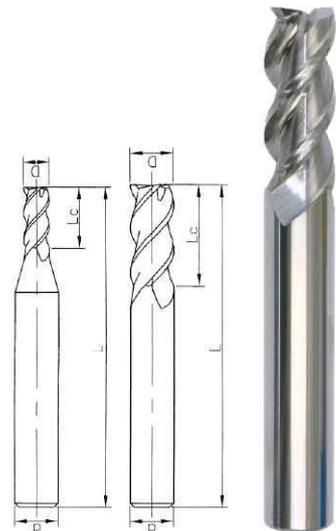
◇ Cutter types of use:

Aluminium Alloyed、Plastics Wood etc.

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
d	D(h6)	l	L	
3	4	12	60	X1105-0300
3.5	4	14	60	X1105-0350
4	4	16	60	X1105-0400
4.5	6	18	60	X1105-0450
5	6	20	75	X1105-0500
5.5	6	22	75	X1105-0550
6	6	25	75	X1105-0600
7	8	30	75	X1105-0700
8	8	32	75	X1105-0800
9	10	40	90	X1105-0900
10	10	45	100	X1105-1000
11	12	45	100	X1105-1100
12	12	45	100	X1105-1200
14	14	50	100	X1105-1400
16	16	65	150	X1105-1600
18	18	70	150	X1105-1800
20	20	75	150	X1105-2000



Solid Carbide 4 Flutes Unequal Helix Flat End Mill

X1106 整体硬质合金四刃不等螺旋直柄立铣刀(标刃)

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件 < 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

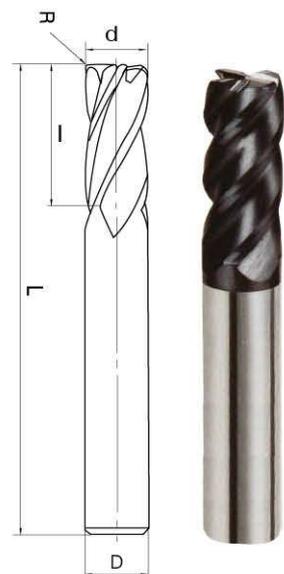
◇ Cutter types of use:

Stainless Steel、Cast Iron、Aluminium、Copper、Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

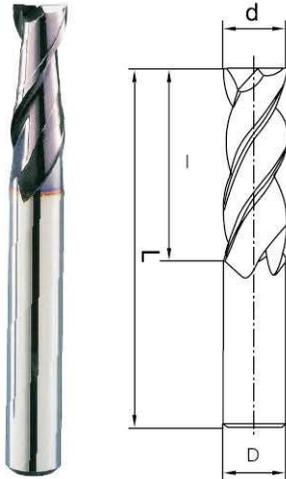
○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
d	D(h6)	l	L	
6	6	14	50	X1106-0600
8	8	19	60	X1106-0800
10	10	24	70	X1106-1000
12	12	29	75	X1106-1200
16	16	38	90	X1106-1600
20	20	48	110	X1106-2000
25	25	59	125	X1106-2500



Solid Carbide 2 Flutes End Mill

X1107 整体硬质合金2刃铣刀



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel、Cast Iron、Aluminium、Copper、
Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、
Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

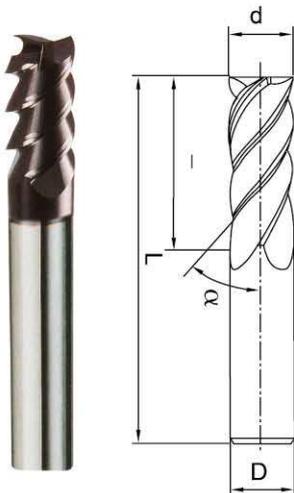
○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
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1	3	4	50	X1107-0100
1.5	4	4	50	X1107-0150
2	6	4	50	X1107-0200
2.5	7	4	50	X1107-0250
3	10	4	50	X1107-0300
3.5	9	4	50	X1107-0350
4	12	4	50	X1107-0400
5	15	6	50	X1107-0500
6	15	6	50	X1107-0600

规格				订货号/Item Code
d	l	D	L	
7	20	8	60	X1107-0700
8	20	8	60	X1107-0800
9	25	10	75	X1107-0900
10	25	10	75	X1107-1000
12	30	12	75	X1107-1200
14	40	14	80	X1107-1400
16	45	16	100	X1107-1600
18	45	18	100	X1107-1800
20	50	20	100	X1107-2000

Solid Carbide 3 Flutes End Mill

X1108 整体硬质合金3刃铣刀



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel、Cast Iron、Aluminium、Copper、
Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、
Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
d	l	D	L	
1	3	4	50	X1108-0100
2	6	4	50	X1108-0200
2.5	7	4	50	X1108-0250
3	8	4	50	X1108-0300
4	12	4	50	X1108-0400
5	15	6	50	X1108-0500
6	15	6	50	X1108-0600
8	20	8	60	X1108-0800
10	25	10	75	X1108-1000

规格				订货号/Item Code
d	l	D	L	
12	25	12	75	X1108-1200
14	40	14	80	X1108-1400
16	45	16	100	X1108-1600
18	45	18	100	X1108-1800
20	50	20	100	X1108-2000

Solid Carbide 4 Flutes End Mill

X1109 整体硬质合金4刃铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

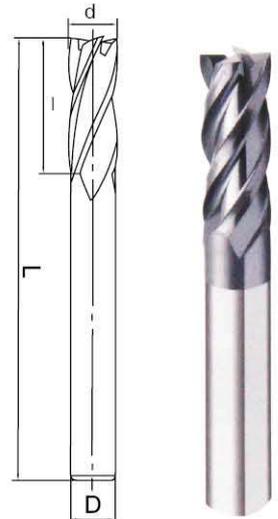
Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
d	l	D	L	
1	3	4	50	X1109-0100
1.5	4	4	50	X1109-0150
2	6	4	50	X1109-0200
2.5	7	4	50	X1109-0250
3	10	4	50	X1109-0300
3.5	9	4	50	X1109-0350
4	12	4	50	X1109-0400
5	15	6	50	X1109-0500
6	15	6	50	X1109-0600

规格				订货号/Item Code
d	l	D	L	
7	20	8	60	X1107-0700
8	20	8	60	X1107-0800
10	25	10	75	X1107-1000
12	30	12	75	X1107-1200
14	40	14	80	X1107-1400
16	45	16	100	X1107-1600
18	45	18	100	X1107-1800
20	50	20	100	X1107-2000



Solid Carbide 2/4 Flutes Corner Radius End Mill

X1110 整体硬质合金2、4刃R角铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

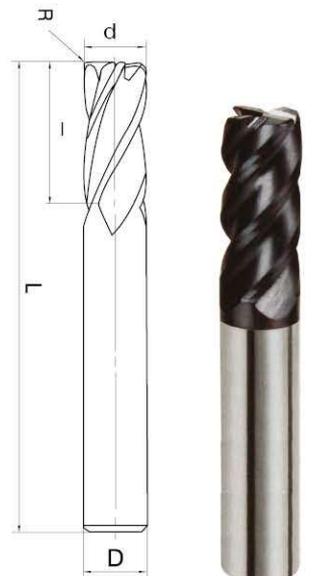
Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格					订货号/Item Code
r	d	l	D	L	
0.5	3	6	4	50	X1110-0300
0.5	4	8	4	50	X1110-0400
0.5	5	15	6	50	X1110-0500
1	6	15	6	50	X1110-0600
1	8	20	8	60	X1110-0800
2	8	20	8	60	X1110-0800
1.5	10	25	10	75	X1110-1000
2	10	25	10	75	X1110-1000

规格					订货号/Item Code
r	d	l	D	L	
1	12	25	12	75	X1110-1200
2	14	25	12	80	X1110-1400
2	16	40	16	80	X1110-1600
1	18	40	20	1000	X1110-1800
2	20	40	20	1000	X1110-2000



Solid Carbide 2 Flutes Ball Nose End Mill

X1111 整体硬质合金2刃球头铣刀



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

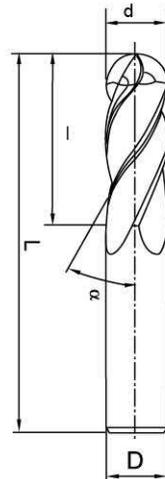
○ 涂层 (可选) Coating(Optional)

规格					订货号/Item Code
r	d	l	D	L	
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1	2	4	4	50	X1111-0200
1.5	3	6	4	50	X1111-0300
2	4	8	4	50	X1111-0400
2.5	5	10	6	50	X1111-0500
3	6	12	6	50	X1111-0600
3.4	7	16	8	60	X1111-0700
4	8	16	8	60	X1111-0800

规格					订货号/Item Code
r	d	l	D	L	
4.5	9	20	10	75	X1111-0900
5	10	20	10	75	X1111-1000
6	12	20	12	75	X1111-1200
7	14	25	14	80	X1111-1400
8	16	25	16	100	X1111-1600
9	18	40	18	100	X1111-1800
10	20	40	20	100	X1111-2000

Solid Carbide 3 Flutes End Mill

X1112 整体硬质合金3、4刃球头铣刀



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格					订货号/Item Code
r	d	l	D	L	
1.5	3	6	4	50	X1112-0300
2	4	8	4	50	X1112-0400
2.5	5	10	6	50	X1112-0500
3	6	12	6	50	X1112-0600
3.5	7	16	8	60	X1112-0700
4	8	16	8	60	X1112-0800
4.5	9	20	10	75	X1112-0900

规格					订货号/Item Code
r	d	l	D	L	
5	10	20	10	75	X1112-1000
6	12	20	12	75	X1112-1200
7	14	25	14	80	X1112-1400
8	16	25	16	100	X1112-1600
9	18	40	18	100	X1112-1800
10	20	40	20	100	X1112-2000

Solid Carbide Taper Ball End Mill

X1113 整体硬质合金锥度球头铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

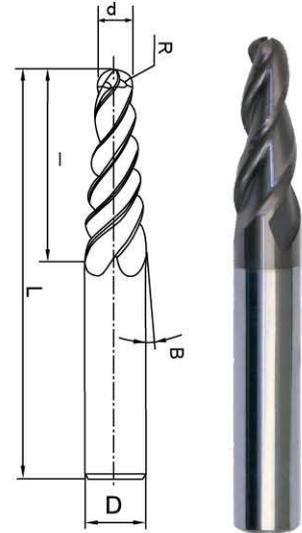
◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格							订货号/Item Code	规格							订货号/Item Code
r	A	d	l	D	L	r		A	d	l	D	L			
0.3	1°	0.73	4	3	35	X1113-0073	0.6	2°	1.72	8	4	45	X1113-0172		
0.3	2°	0.86	4	3	35	X1113-0086	0.75	1°	1.75	8	4	45	X1113-0175		
0.4	30'	0.89	6	3	35	X1113-0089	0.75	1° 30'	1.88	8	4	45	X1113-0188		
0.4	1°	1	6	3	35	X1113-0100	0.75	2°	2.01	8	4	45	X1113-0201		
0.4	2°	1.19	6	3	35	X1113-0119	0.8	30'	1.73	8	4	45	X1113-0173		
0.5	1°	1.26	8	4	45	X1113-0126	0.8	1°	1.85	8	4	45	X1113-0185		
0.5	2°	1.53	8	4	45	X1113-0153	0.8	1° 30'	2.27	8	4	45	X1113-0227		
0.6	1°	1.46	8	4	45	X1113-0146	0.8	2°	2.39	12	4	45	X1113-0239		
0.6	1° 30'	1.59	8	4	45	X1113-0159									



Solid Carbide 4 Flutes Taper End Mill

X1114 整体硬质合金4刃锥度铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

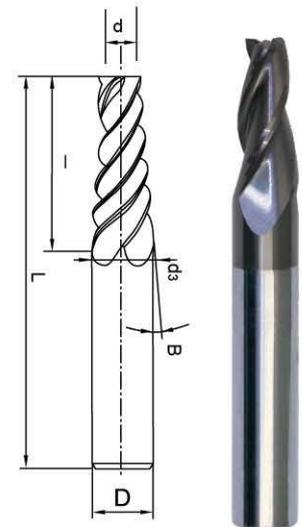
◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

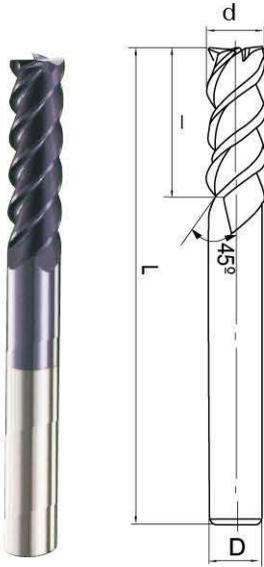
○ 涂层 (可选) Coating(Optional)

规格							订货号/Item Code	规格							订货号/Item Code
d1	A	l	d2	D	L	d1		A	l	d2	D	L			
0.6	30'	4	0.67	3	35	X1114-0060	3	1°	10	3.35	3	35	X1114-0300		
0.6	1°	4	0.74	3	35	X1114-0060	3	1.5°	10	3.52	3	35	X1114-0300		
0.6	2°	4	0.88	3	35	X1114-0060	3	12°	10	3.70	3	35	X1114-0300		
0.8	1°	6	1.01	3	35	X1114-0080	4	1°	15	4.52	3	35	X1114-0400		
0.8	2°	6	1.22	3	35	X1114-0080	4	2°	15	5.04	3	35	X1114-0400		
1	1°	6	1.21	4	50	X1114-0100	4	5°	15	7.50	4	50	X1114-0400		
1	2°	12	1.84	4	50	X1114-0100	6	1°	20	6.27	4	50	X1114-0600		
2	30'	10	2.17	4	50	X1114-0200	8	1°	25	8.87	4	50	X1114-0800		
2	1°	10	2.35	4	50	X1114-0200	8	2°	25	9.75	4	50	X1114-0800		
1.5	2°	8	1.78	4	50	X1114-0150	8	5°	25	12.37	4	50	X1114-0800		



Solid Carbide Big Helix End Mill(3/4Flutes)

X1115 整体硬质合金大螺旋铣刀(三、四刃)



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件 < 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel、Cast Iron、Aluminium、Copper、Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

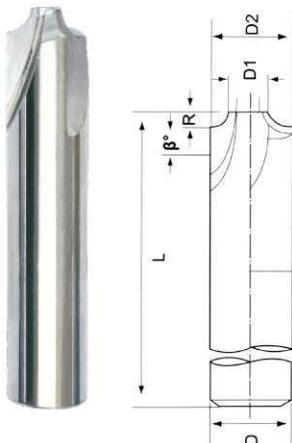
技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格					订货号/Item Code	规格					订货号/Item Code
d	l	D	L	d		l	D	L			
3	8	4	50	X1115-0300	12	25	12	75	X1115-1200		
4	12	4	50	X1115-0400	13	30	14	80	X1115-1300		
5	15	6	50	X1115-0500	14	45	14	100	X1115-1400		
6	16	6	50	X1115-0600	15	45	16	100	X1115-1500		
7	18	8	60	X1115-0700	16	45	16	100	X1115-1600		
8	20	8	60	X1115-0800	18	45	16	100	X1115-1800		
9	22	10	70	X1115-0900	20	45	20	100	X1115-2000		
10	25	10	70	X1115-1000	25	45	25	100	X1115-2500		
11	25	12	75	X1115-1100							

Solid Carbide Inner Corner Radius End Mill-2Flutes

X1116 整体硬质合金内R铣刀-2刃



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件 < 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel、Cast Iron、Aluminium、Copper、Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格						订货号/Item Code	规格						订货号/Item Code
r	β°	d1	d2	D	L		r	β°	d1	d2	D	L	
0.5R	15°	1.5	2.7	4	50	X1116-0150	2.0R	15°	1.5	5.7	6	50	X1116-0150
0.75R	15°	1.5	3.2	4	50	X1116-0150	2.5R	-	1.5	6.7	8	50	X1116-0150
1.0R	15°	1.5	3.7	4	50	X1116-0150	3.0R	15°	1.5	7.7	8	50	X1116-0150
1.25R	-	1.5	4.2	6	50	X1116-0150	4.0R	15°	2	10.2	12	60	X1116-0200
1.5R	15°	1.5	4.7	6	50	X1116-0150	5.0R	15°	3	13.2	16	75	X1116-0300
1.75R	15°	1.5	5.2	6	50	X1116-0150	6.0R	15°	3	15.2	16	75	X1116-0300

Solid Carbide Big Helix End Mill(3/4Flutes)

X1117 整体硬质合金三、四刃波刃铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

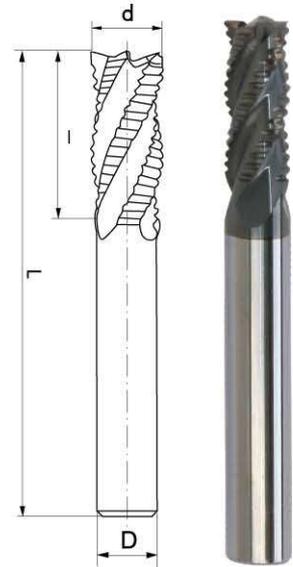
◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
d	l	D	L	
6	15	6	50	X1117-0600
8	20	8	60	X1117-0800
10	25	10	70	X1117-1000
12	30	12	75	X1117-1200
16	40	16	100	X1117-1600
20	45	20	100	X1117-2000



Solid Carbide Combination Wood-Milling-Cutter

X1118 整体硬质合金复合木工铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

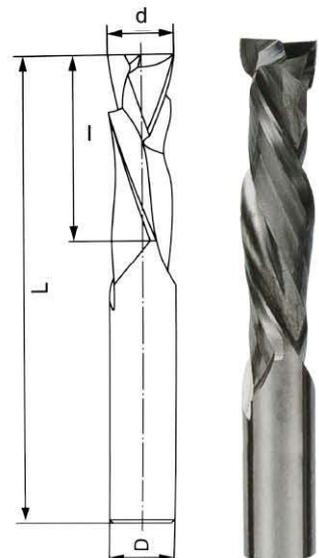
◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

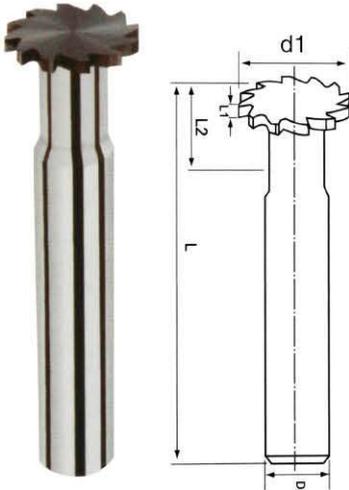
○ 涂层 (可选) Coating(Optional)

规格					订货号/Item Code
d	l	D	L	Z	
10	20	10	70	2	X1118-1000
10	30	10	80	2	X1118-1000
12	30	12	80	2	X1118-1200
12	40	12	100	2	X1118-1200
12	50	12	100	2	X1118-1200
14	30	14	80	2	X1118-1400



Solid Carbide T-slot End Mill

X1119 整体硬质合金T型槽铣刀



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel、Cast Iron、Aluminium、Copper、
Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、
Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

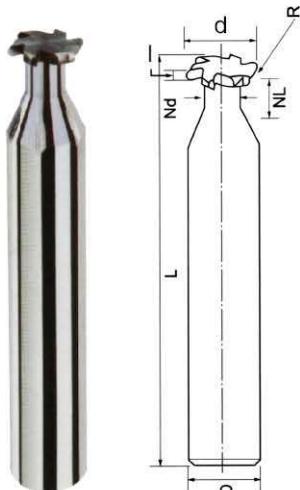
○ 涂层 (可选) Coating(Optional)

规格							订货号/Item Code
d1	l1	d2	l2	D	L		
16	1	8	10	12	100	X1119-1600	
16	2	8	10	12	100	X1119-1600	
16	2.5	8	10	12	100	X1119-1600	
20	0.5	10	14	12	100	X1119-2000	
20	1.5	10	14	12	100	X1119-2000	
20	2	10	14	12	100	X1119-2000	
20	3	10	14	12	100	X1119-2000	

规格							订货号/Item Code
d1	l1	d2	l2	D	L		
25	1	12	16	16	100	X1119-2500	
25	2.5	12	16	16	100	X1119-2500	
25	3	12	16	16	100	X1119-2500	
25	5	12	16	16	100	X1119-2500	
30	1	15	18	16	100	X1119-3000	
30	3	15	18	16	100	X1119-3000	
30	4	15	18	16	100	X1119-3000	

Solid Carbide Inner Corner Radius End Mill-2Flutes

X1120 整体硬质合金外圆弧T型槽铣刀



◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

Stainless Steel、Cast Iron、Aluminium、Copper、
Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、
Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格								订货号/Item Code
d	r	l	Nd	NL	L	D	Z	
4	0.3R	0.6	2.0	3.5	50	6	4	X1120-0400
4	1R	2.0	2.0	3.5	50	6	4	X1120-0400
5	0.3R	0.6	2.2	3.5	50	6	4	X1120-0500
5	0.5R	1.0	2.2	3.5	50	6	4	X1120-0500
6	0.3R	0.6	2.7	4.0	50	6	4	X1120-0600
6	0.5R	1.0	2.7	4.0	50	6	4	X1120-0600
8	0.3R	0.6	3.6	5.0	60	8	6	X1120-0800
8	0.5R	1.0	3.6	5.0	60	8	8	X1120-0800

规格								订货号/Item Code
d	r	l	Nd	NL	L	D	Z	
10	0.3R	0.6	4.5	6.0	75	10	6	X1120-1000
10	0.5R	1.0	4.5	6.0	75	10	6	X1120-1000
10	1.5R	3.0	4.5	6.0	75	10	6	X1120-1000
10	2R	4.0	4.5	6.0	75	10	6	X1120-1000
12	0.3R	0.6	5.5	6.0	75	12	6	X1120-1200
12	0.5R	1.0	5.5	6.0	75	12	6	X1120-1200
12	1R	2.0	5.5	6.0	75	12	6	X1120-1200
12	2R	4.0	5.5	6.0	75	12	6	X1120-1200

Solid Carbide Small Hole Boring C

X1121 整体硬质合金小孔径镗刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

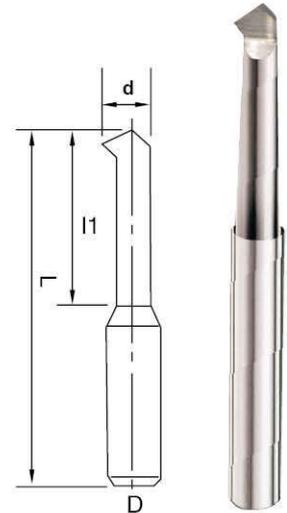
◇ Cutter types of use:

Stainless Steel, Cast Iron, Aluminium, Copper,
Graphite, Plastics, Composite Material
Titanium, Nickel, Heat-resistant Steed, Non-alloyed,
Low-alloyed Steed < 24HRC, Hi-alloyed Steed < 30HRC,
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code
d	l	D	L	
2	10	2	35	X1121-0200
3	15	3	40	X1121-0300
4	15	4	50	X1121-0400
5	25	5	50	X1121-0500
6	30	6	60	X1121-0600
8	35	8	70	X1121-0800
10	40	10	70	X1121-1000
12	40	12	80	X1121-1200



Solid Carbide Combination Wood-Milling-Cutter

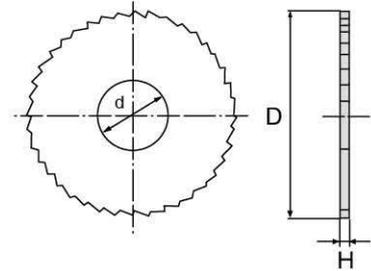
X1122 整体硬质合金锯片铣刀

◇ 铣刀类用途

不锈钢、铸铁、铝、铜、石墨、塑件、复合材料、
钛合金、镍、耐热钢、非合金钢件、低合金钢件 < 24HRC、高合金钢件
< 30HRC、硬化钢30-38HRC 38-48HRC 48-56HRC 56-68HRC

◇ Cutter types of use:

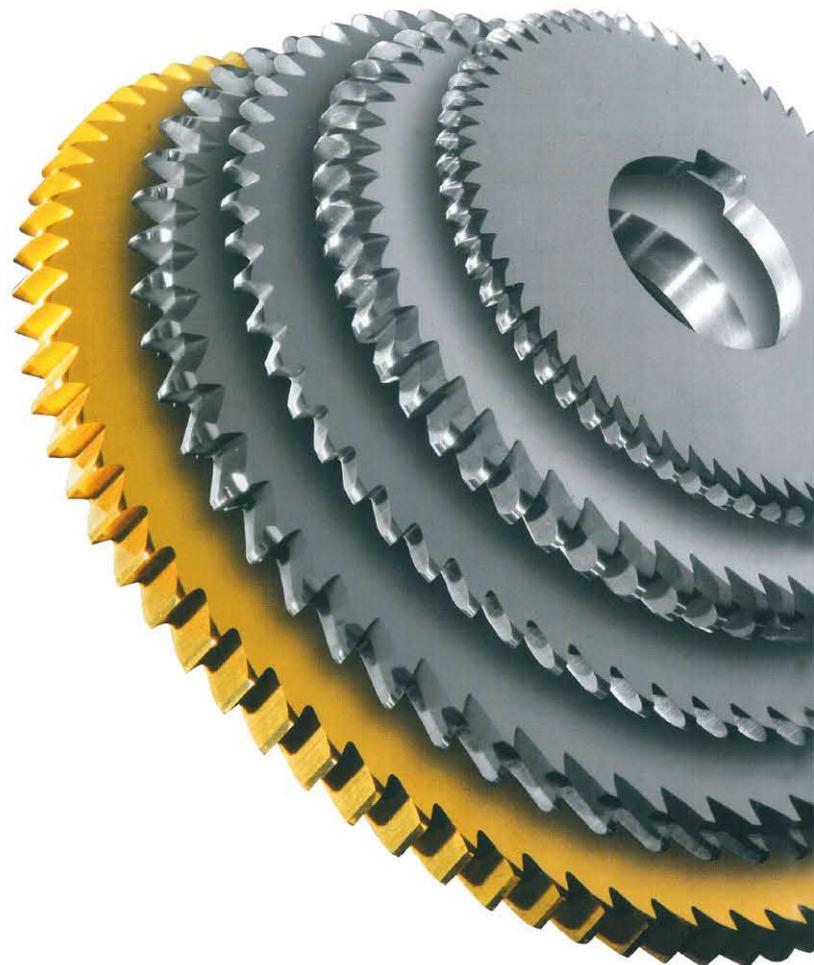
Stainless Steel、Cast Iron、Aluminium、Copper、
Graphite、Plastics、Composite Material
Titanium、Nickel、Heat-resistant Steed、Non-alloyed、
Low-alloyed Steed < 24HRC、Hi-alloyed Steed < 30HRC、
Hardened Steel 30-38HRC 38-48HRC 48-56HRC 56-68HRC



技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格						订货号/Item Code
d	H	D	d	H	D	
6	0.15-4.5	12	16	0.3-4.5	55	X1122-0600
8	0.15-4.5	16	16/20	0.3-5.0	63	X1122-0800
8	0.15-4.5	20	12.7/25.4	0.3-5.0	70	X1122-0800
8	0.2-4.5	25	12.7/25.4	0.4-5.0	75	X1122-1270
8/12.7	0.2-4.5	27	25.4/31.75	0.4-5.0	80	X1122-1270
8/12.7	0.2-4.5	30	25.4/31.75	0.4-5.0	85	X1122-1270
8/12.7	0.2-4.5	32	25.4/31.75	0.5-5.0	90	X1122-1270
12.7	0.3-4.5	40	25.4/31.75	0.5-5.0	95	X1122-1270
12.7	0.3-4.5	45	25.4/31.75	0.5-5.0	100	X1122-1270
12.7	0.3-4.5	50	25.4/31.75	0.5-5.0	105	X1122-1270



钻削刀具 Drilling tools



Solid Carbide Micro Twist Drill Bits

X1201 整体硬质合金微型麻花钻

◇ 使用特点

用于：灰铸铁、球墨铸铁、高硅铝、铜合金等材料的加工，定心能力强，稳定的加工尺寸和表面质量，可用于预制孔和继续孔加工，适用高速大进给切削。

◇ Cutter types of use:

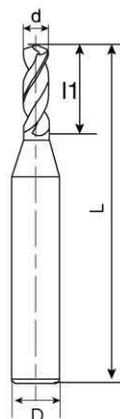
Gray Iron, Ductile Cast Iron, Stainless steel, Structural Steel, Alloy Steel and other common materials; Precise centering ability which enables to gain stable dimensional accuracy and fine surface quality; Suitable for process system with excellent rigidity.



技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格				订货号/Item Code		规格				订货号/Item Code	
d	D(h6)	l1	L	不涂层/Uncoated	涂层/coated	d	D(h6)	l1	L	不涂层/Uncoated	涂层/coated
0.20	3	1.8	38	Z1201-0020	□Z1201-0020T	0.61	3	4.8	38	Z1201-0061	□Z1201-0061T
0.21	3	1.8	38	Z1201-0021	□Z1201-0021T	0.62	3	4.8	38	Z1201-0062	□Z1201-0062T
0.22	3	1.8	38	Z1201-0022	□Z1201-0022T	0.63	3	4.8	38	Z1201-0063	□Z1201-0063T
0.23	3	1.8	38	Z1201-0023	□Z1201-0023T	0.64	3	4.8	38	Z1201-0064	□Z1201-0064T
0.24	3	1.8	38	Z1201-0024	□Z1201-0024T	0.65	3	4.8	38	Z1201-0065	□Z1201-0065T
0.25	3	2.2	38	Z1201-0025	□Z1201-0025T	0.66	3	5.2	38	Z1201-0066	□Z1201-0066T
0.26	3	2.2	38	Z1201-0026	□Z1201-0026T	0.67	3	5.2	38	Z1201-0067	□Z1201-0067T
0.27	3	2.2	38	Z1201-0027	□Z1201-0027T	0.68	3	5.2	38	Z1201-0068	□Z1201-0068T
0.28	3	2.2	38	Z1201-0028	□Z1201-0028T	0.69	3	5.2	38	Z1201-0069	□Z1201-0069T
0.29	3	2.2	38	Z1201-0029	□Z1201-0029T	0.70	3	5.2	38	Z1201-0070	□Z1201-0070T
0.30	3	2.2	38	Z1201-0030	□Z1201-0030T	0.71	3	5.2	38	Z1201-0071	□Z1201-0071T
0.31	3	2.8	38	Z1201-0031	□Z1201-0031T	0.72	3	5.2	38	Z1201-0072	□Z1201-0072T
0.32	3	2.8	38	Z1201-0032	□Z1201-0032T	0.73	3	5.2	38	Z1201-0073	□Z1201-0073T
0.33	3	2.8	38	Z1201-0033	□Z1201-0033T	0.74	3	5.2	38	Z1201-0074	□Z1201-0074T
0.34	3	2.8	38	Z1201-0034	□Z1201-0034T	0.75	3	5.2	38	Z1201-0075	□Z1201-0075T
0.35	3	2.8	38	Z1201-0035	□Z1201-0035T	0.76	3	5.5	38	Z1201-0076	□Z1201-0076T
0.36	3	2.8	38	Z1201-0036	□Z1201-0036T	0.77	3	5.5	38	Z1201-0077	□Z1201-0077T
0.37	3	2.8	38	Z1201-0037	□Z1201-0037T	0.78	3	5.5	38	Z1201-0078	□Z1201-0078T
0.38	3	2.8	38	Z1201-0038	□Z1201-0038T	0.79	3	5.5	38	Z1201-0079	□Z1201-0079T
0.39	3	2.8	38	Z1201-0039	□Z1201-0039T	0.80	3	5.5	38	Z1201-0080	□Z1201-0080T
0.40	3	3.2	38	Z1201-0040	□Z1201-0040T	0.81	3	5.5	38	Z1201-0081	□Z1201-0081T
0.41	3	3.2	38	Z1201-0041	□Z1201-0041T	0.82	3	5.5	38	Z1201-0082	□Z1201-0082T
0.42	3	3.2	38	Z1201-0042	□Z1201-0042T	0.83	3	5.5	38	Z1201-0083	□Z1201-0083T
0.43	3	3.2	38	Z1201-0043	□Z1201-0043T	0.84	3	5.5	38	Z1201-0084	□Z1201-0084T
0.44	3	3.2	38	Z1201-0044	□Z1201-0044T	0.85	3	5.5	38	Z1201-0085	□Z1201-0085T
0.45	3	3.2	38	Z1201-0045	□Z1201-0045T	0.86	3	5.5	38	Z1201-0086	□Z1201-0086T
0.46	3	3.6	38	Z1201-0046	□Z1201-0046T	0.87	3	5.5	38	Z1201-0087	□Z1201-0087T
0.47	3	3.6	38	Z1201-0047	□Z1201-0047T	0.88	3	5.5	38	Z1201-0088	□Z1201-0088T
0.48	3	3.6	38	Z1201-0048	□Z1201-0048T	0.89	3	5.5	38	Z1201-0089	□Z1201-0089T
0.49	3	3.6	38	Z1201-0049	□Z1201-0049T	0.90	3	6	38	Z1201-0090	□Z1201-0090T
0.50	3	4	38	Z1201-0050	□Z1201-0050T	0.91	3	6	38	Z1201-0091	□Z1201-0091T
0.51	3	4	38	Z1201-0051	□Z1201-0051T	0.92	3	6	38	Z1201-0092	□Z1201-0092T
0.52	3	4	38	Z1201-0052	□Z1201-0052T	0.93	3	6	38	Z1201-0093	□Z1201-0093T
0.53	3	4	38	Z1201-0053	□Z1201-0053T	0.94	3	6	38	Z1201-0094	□Z1201-0094T
0.54	3	4	38	Z1201-0054	□Z1201-0054T	0.95	3	6	38	Z1201-0095	□Z1201-0095T
0.55	3	4	38	Z1201-0055	□Z1201-0055T	0.96	3	6	38	Z1201-0096	□Z1201-0096T
0.56	3	4.5	38	Z1201-0056	□Z1201-0056T	0.97	3	6	38	Z1201-0097	□Z1201-0097T
0.57	3	4.5	38	Z1201-0057	□Z1201-0057T	0.98	3	6	38	Z1201-0098	□Z1201-0098T
0.58	3	4.5	38	Z1201-0058	□Z1201-0058T	0.99	3	6	38	Z1201-0099	□Z1201-0099T
0.59	3	4.5	38	Z1201-0059	□Z1201-0059T	1.00	3	6	40	Z1201-0100	□Z1201-0100T
0.60	3	4.5	38	Z1201-0060	□Z1201-0060T						



Solid Carbide Twist Drill 5xD

X1202 整体硬质合金麻花钻 5XD

◇ 制造特点/Description

1. 尺寸形式 参考DIN6537标准制造
Measurements Manufactured according to Standard DIN6537
2. 横刃修正 IRK标准
Chisel Edge Grinding IRK standard
3. 主刃顶角 140°
Primary edge Point angle 140°
4. 排屑槽形 特殊设计，便于排屑
Chip Evacuation Groove Special designed, easy evacuation
5. 刃径公差 m7
Tolerance of Cutting edge diameter m7
6. 柄径型式 参考DIN6535HA h6
Shank According to DIN6535HA h6

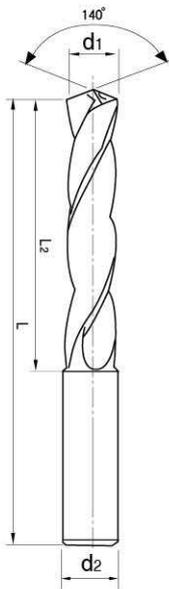


◇ 使用特点/Instruction for Use

用于结构钢、合金钢、不锈钢等常见材料的加工；定心能力强，能获得稳定的尺寸精度和良好的表面质量；适用于加工系统刚性优异的场所。
Use for the process of Structural Steel, Alloy Steel, Stainless Steel and other common materials; Precise centering ability which enables to gain stable dimension accuracy and fine surface quality; suitable for process system with excellent rigidity.

技术参数/TECHNOLOGY PARAMETERS ○ 涂层（可选） Coating(Optional) 单位(Unit):mm

尺寸系列/Specification	尺寸特征/Measurements				订货号/Item Code	
	d	l1	L	l2	L	不涂层/Uncoated
3.3	28	6	36	66	Z1202-0330	<input type="checkbox"/> Z1202-0330T
3.5	-	-	-	-	Z1202-0350	<input type="checkbox"/> Z1202-0350T
4.0					Z1202-0400	<input type="checkbox"/> Z1202-0400T
4.5					Z1202-0450	<input type="checkbox"/> Z1202-0450T
5.0					Z1202-0500	<input type="checkbox"/> Z1202-0500T
5.5	-	-	-	-	Z1202-0550	<input type="checkbox"/> Z1202-0550T
6.0	44	6	36	82	Z1202-0600	<input type="checkbox"/> Z1202-0600T
6.5	-	-	-	-	Z1202-0650	<input type="checkbox"/> Z1202-0650T
7.0	-	-	-	-	Z1202-0700	<input type="checkbox"/> Z1202-0700T
7.5	-	-	-	-	Z1202-0750	<input type="checkbox"/> Z1202-0750T
8.0	53	8	36	91	Z1202-0800	<input type="checkbox"/> Z1202-0800T
8.5	-	-	-	-	Z1202-0850	<input type="checkbox"/> Z1202-0850T
9.0	-	-	-	-	Z1202-0900	<input type="checkbox"/> Z1202-0900T
9.5	61	10	40	103	Z1202-0950	<input type="checkbox"/> Z1202-0950T
10.0	61	10	40	103	Z1202-1000	<input type="checkbox"/> Z1202-1000T
10.5	-	-	-	-	Z1202-1050	<input type="checkbox"/> Z1202-1050T
11.0					Z1202-1100	<input type="checkbox"/> Z1202-1100T
11.5	-	-	-	-	Z1202-1150	<input type="checkbox"/> Z1202-1150T
12.0	71	12	45	118	Z1202-1200	<input type="checkbox"/> Z1202-1200T
12.5	-	-	-	-	Z1202-1250	<input type="checkbox"/> Z1202-1250T
13.0	-	-	-	-	Z1202-1300	<input type="checkbox"/> Z1202-1300T
13.5	-	-	-	-	Z1202-1350	<input type="checkbox"/> Z1202-1350T
14.0	77	14	45	124	Z1202-1400	<input type="checkbox"/> Z1202-1400T
14.5	-	-	-	-	Z1202-1450	<input type="checkbox"/> Z1202-1450T
15.0	-	-	-	-	Z1202-1500	<input type="checkbox"/> Z1202-1500T
15.5	-	-	-	-	Z1202-1550	<input type="checkbox"/> Z1202-1550T
16.0	83	16	48	133	Z1202-1600	<input type="checkbox"/> Z1202-1600T



Coolant-fed Solid Carbide Drill 5xD

X1203 整体硬质合金内冷钻 5XD

◇ 制造特点/Description

1. 尺寸形式 参考DIN6537标准制造
Measurements Manufactured according to Standard DIN6537
2. 横刃修正 IRK标准
Chisel Edge Grinding IRK standard
3. 主刃顶角 140°
Primary edge Point angle 140°
4. 排屑槽形 特殊设计，便于排屑
Chip Evacuation Groove Special designed, easy evacuation
5. 刃径公差 m7
Tolerance of Cutting edge diameter m7
6. 柄径型式 参考DIN6535HA h6
Shank According to DIN6535HA h6

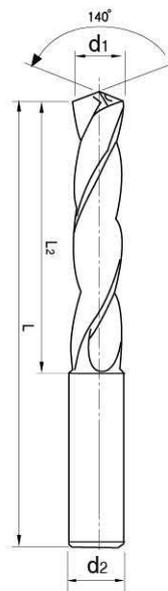


◇ 使用特点/Instruction for Use

用于结构钢、合金钢、不锈钢等常见材料的加工；定心能力强，能获得稳定的尺寸精度和良好的表面质量；适用于加工系统刚性优异的场所。
Use for the process of Structural Steel, Alloy Steel, Stainless Steel and other common materials; Precise centering ability which enables to gain stable dimension accuracy and fine surface quality; suitable for process system with excellent rigidity.

技术参数/TECHNOLOGY PARAMETERS ○ 涂层 (可选) Coating(Optional) 单位(Unit):mm

尺寸系列/Specification	尺寸特征/Measurements				订货号/Item Code	
	l1	L	l2	L	不涂层/Uncoated	涂层/coated
3.3	28	4	28	58	Z1203-0330	<input type="checkbox"/> Z1203-0330T
3.5	-	-	-	-	Z1203-0350	<input type="checkbox"/> Z1203-0350T
4.0		4	28	66	Z1203-0400	<input type="checkbox"/> Z1203-0400T
4.5					Z1203-0450	<input type="checkbox"/> Z1203-0450T
5.0					Z1203-0500	<input type="checkbox"/> Z1203-0500T
5.5	-	-	-	-	Z1203-0550	<input type="checkbox"/> Z1203-0550T
6.0	44	6	36	82	Z1203-0600	<input type="checkbox"/> Z1203-0600T
6.5	-	-	-	-	Z1203-0650	<input type="checkbox"/> Z1203-0650T
7.0	-	-	-	-	Z1203-0700	<input type="checkbox"/> Z1203-0700T
7.5	-	-	-	-	Z1203-0750	<input type="checkbox"/> Z1203-0750T
8.0	53	8	36	91	Z1203-0800	<input type="checkbox"/> Z1203-0800T
8.5	-	-	-	-	Z1203-0850	<input type="checkbox"/> Z1203-0850T
9.0	-	-	-	-	Z1203-0900	<input type="checkbox"/> Z1203-0900T
9.5	61	10	40	103	Z1203-0950	<input type="checkbox"/> Z1203-0950T
10.0	61	10	40	103	Z1203-1000	<input type="checkbox"/> Z1203-1000T
10.5	-	-	-	-	Z1203-1050	<input type="checkbox"/> Z1203-1050T
11.0					Z1203-1100	<input type="checkbox"/> Z1203-1100T
11.5	-	-	-	-	Z1203-1150	<input type="checkbox"/> Z1203-1150T
12.0	71	12	45	118	Z1203-1200	<input type="checkbox"/> Z1203-1200T
12.5	-	-	-	-	Z1203-1250	<input type="checkbox"/> Z1203-1250T
13.0	-	-	-	-	Z1203-1300	<input type="checkbox"/> Z1203-1300T
13.5	-	-	-	-	Z1203-1350	<input type="checkbox"/> Z1203-1350T
14.0	77	14	45	124	Z1203-1400	<input type="checkbox"/> Z1203-1400T
14.5	-	-	-	-	Z1203-1450	<input type="checkbox"/> Z1203-1450T
15.0	-	-	-	-	Z1203-1500	<input type="checkbox"/> Z1203-1500T
15.5	-	-	-	-	Z1203-1550	<input type="checkbox"/> Z1203-1550T
16.0	83	16	48	133	Z1203-1600	<input type="checkbox"/> Z1203-1600T



Solid Carbide Twist Drill 5xD

X1204 整体硬质合金麻花钻 5XD

◇ 制造特点/Description

1. 尺寸形式 参考DIN6537标准制造
Measurements Manufactured according to Standard DIN6537
2. 横刃制造 横刃修正Y型
Chisel Edge to revise
3. 主刃顶角 150°
Primary edge Point angle 150°
4. 排屑槽形 特殊设计, 便于排屑
Chip Evacuation Groove Special designed, easy evacuation
5. 刃径公差 m7
Tolerance of Cutting edge diameter m7
6. 柄径型式 参考DIN6535HA h6
Shank According to DIN6535HA h6
7. 涂层 He或NaNo
Coating He or NaNo



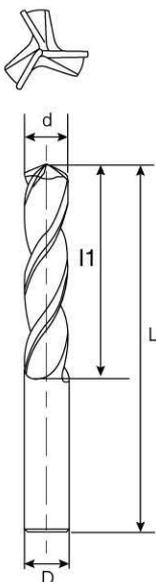
◇ 使用特点/Instruction for Use

用于灰铸铁、球墨铸铁、高硅铝、铜合金等材料的加工, 定心能力强, 稳定的加工尺寸和表面质量, 可用于预制孔和断续孔的加工, 适用于高速大进给切削。

Functional: Gray Iron, Ductile Cast Iron, Stainless steel, Structural Steel, Alloy Steel and other common materials; Precise centering ability which enables to gain stable dimensional accuracy and fine surface quality; suitable for process system excellent rigidit.

技术参数/TECHNOLOGY PARAMETERS ○ 涂层 (可选) Coating(Optional) 单位(Unit):mm

规格				订货号/Item Code	
d(h7)	l1	D(h6)	L	不涂层/Uncoated	涂层/coated
3.0	22	3	50	Z1204-0300	<input type="checkbox"/> Z1204-0300T
3.5	27	4	55	Z1204-0350	<input type="checkbox"/> Z1204-0350T
4.0	30	4	60	Z1204-0400	<input type="checkbox"/> Z1204-0400T
4.5	32	5	60	Z1204-0450	<input type="checkbox"/> Z1204-0450T
5.0	35	5	65	Z1204-0500	<input type="checkbox"/> Z1204-0500T
5.5	39	6	75	Z1204-0550	<input type="checkbox"/> Z1204-0550T
6.0	42	6	80	Z1204-0600	<input type="checkbox"/> Z1204-0600T
6.5	42	8	80	Z1204-0650	<input type="checkbox"/> Z1204-0650T
7.0	45	8	80	Z1204-0700	<input type="checkbox"/> Z1204-0700T
7.5	45	8	80	Z1204-0750	<input type="checkbox"/> Z1204-0750T
8.0	48	8	85	Z1204-0800	<input type="checkbox"/> Z1204-0800T
8.5	48	10	85	Z1204-0850	<input type="checkbox"/> Z1204-0850T
9.0	52	10	90	Z1204-0900	<input type="checkbox"/> Z1204-0900T
9.5	52	10	90	Z1204-0950	<input type="checkbox"/> Z1204-0950T
10.0	55	10	95	Z1204-1000	<input type="checkbox"/> Z1204-1000T
10.5	55	12	100	Z1204-1050	<input type="checkbox"/> Z1204-1050T
11.0	60	12	105	Z1204-1100	<input type="checkbox"/> Z1204-1100T
11.5	60	12	105	Z1204-1150	<input type="checkbox"/> Z1204-1150T
12.0	65	12	110	Z1204-1200	<input type="checkbox"/> Z1204-1200T
12.5	65	14	110	Z1204-1250	<input type="checkbox"/> Z1204-1250T
13.0	65	14	110	Z1204-1300	<input type="checkbox"/> Z1204-1300T
13.5	66	14	115	Z1204-1350	<input type="checkbox"/> Z1204-1350T
14.0	66	14	115	Z1204-1400	<input type="checkbox"/> Z1204-1400T
14.5	70	16	118	Z1204-1450	<input type="checkbox"/> Z1204-1450T
15.0	70	16	118	Z1204-1500	<input type="checkbox"/> Z1204-1500T
15.5	73	16	120	Z1204-1550	<input type="checkbox"/> Z1204-1550T
16.0	73	16	120	Z1204-1600	<input type="checkbox"/> Z1204-1600T
16.5	73	18	120	Z1204-1650	<input type="checkbox"/> Z1204-1650T
17.0	73	18	120	Z1204-1700	<input type="checkbox"/> Z1204-1700T
17.5	76	18	125	Z1204-1750	<input type="checkbox"/> Z1204-1750T
18.0	76	18	125	Z1204-1800	<input type="checkbox"/> Z1204-1800T
18.5	76	18	127	Z1204-1850	<input type="checkbox"/> Z1204-1850T
19.0	76	20	127	Z1204-1900	<input type="checkbox"/> Z1204-1900T
19.5	79	20	131	Z1204-1950	<input type="checkbox"/> Z1204-1950T
20.0	79	20	131	Z1204-2000	<input type="checkbox"/> Z1204-2000T



Solid Carbide 90°/120° Point Drill

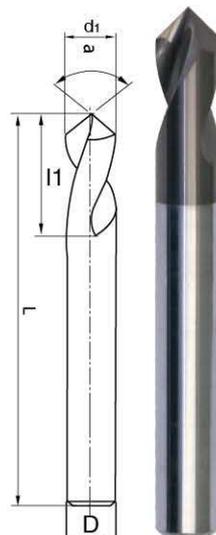
X1205 整体硬质合金90° /120° 定点钻



技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

$\theta (\pm 1^\circ)$	规格				订货号/Item Code	
	d(h6)	l1	D(h6)	L	不涂层/Uncoated	涂层/coated
90°	3.00	11	3.00	40	Z1205-0330	<input type="checkbox"/> Z1205-0330T
90°	4.00	15	4.00	50	Z1205-0400	<input type="checkbox"/> Z1205-0400T
90°	5.00	16	5.00	60	Z1205-0500	<input type="checkbox"/> Z1205-0500T
90°	6.00	17	6.00	60	Z1205-0600	<input type="checkbox"/> Z1205-0600T
90°	8.00	22	8.00	70	Z1205-0800	<input type="checkbox"/> Z1205-0800T
90°	10.00	26	10.00	75	Z1205-1000	<input type="checkbox"/> Z1205-1000T
90°	12.00	30	12.00	80	Z1205-1200	<input type="checkbox"/> Z1205-1200T
90°	16.00	34	16.00	90	Z1205-1600	<input type="checkbox"/> Z1205-1600T
90°	20.00	40	20.00	100	Z1205-2000	<input type="checkbox"/> Z1205-2000T



Solid Carbide Drill Bit For Aluminum

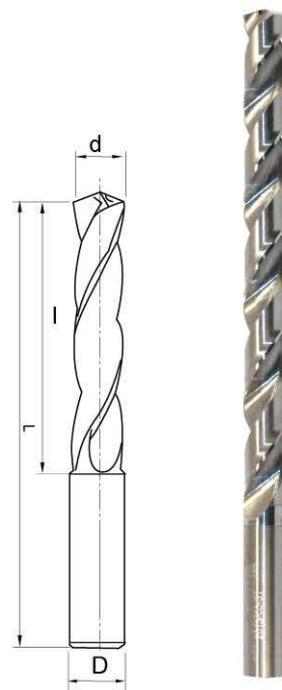
X1206 整体硬质合金铝用钻



技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional)

规格					订货号/Item Code	规格					订货号/Item Code
d	l	D	L			d	l	D	L		
3	16	3	50		Z1206-0300	8	37	8	80		Z1206-0800
3.5	20	4	50		Z1206-0350	8.5	37	10	90		Z1206-0850
4	22	4	50		Z1206-0400	9	40	10	90		Z1206-0900
4.5	24	6	65		Z1206-0450	9.5	40	10	90		Z1206-0950
5	26	6	70		Z1206-0500	10	43	10	95		Z1206-1000
5.5	28	6	70		Z1206-0550	11	47	12	100		Z1206-1100
6	28	6	70		Z1206-0600	12	51	12	110		Z1206-1200
6.5	31	8	75		Z1206-0650	13	51	14	110		Z1206-1300
7	34	8	80		Z1206-0700	15	76	16	140		Z1206-1500
7.5	34	8	80		Z1206-0750	20	94	20	160		Z1206-2000



Solid Carbide Straight Flutes Bits(standard size)

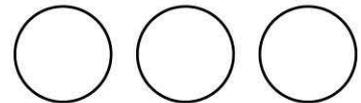
X1207 整体硬质合金直槽钻 (标刀)

◇ 制造特点/Description

- 1.尺寸形式 参考DIN6537标准制造
Measurements Manufactured according to Standard DIN6537
- 2.横刃制造 横刃修正Y型
Chisel Edge to revise
- 3.主刃顶角 150°
Primary edge Point angle 150°
- 4.排屑槽形 特殊设计, 便于排屑
Chip Evacuation Groove Special designed, easy evacuation

◇ 使用特点/Instruction for Use

用于灰铸铁、球墨铸铁、高硅铝、铜合金等材料的加工, 定心能力强, 稳定的加工尺寸和表面质量, 可用于预制孔和断续孔的加工, 适用于高速大进给切削。

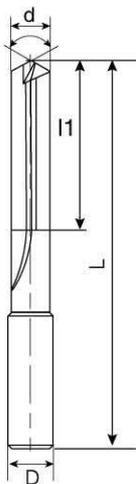


- 5.刃径公差 m7
Tolerance of Cutting edge diameter m7
- 6.柄径型式 参考DIN6535HA h6
Shank According to DIN6535HA h6
- 7.涂层 He或NaNo
Coating He or NaNo

Functional: Gray Iron, Ductile Cast Iron, Stainless steel, Structural Steel, Alloy Steel and other common materials; Precise centering ability which enables to gain stable dimensional accuracy and fine surface quality; suitable for process system excellent rigid.

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional) 单位(Unit):mm



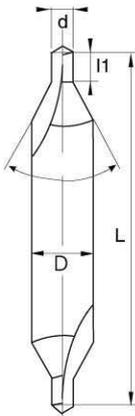
规格				订货号/Item Code	
d(h7)	l1	D(h6)	L	不涂层/Uncoated	涂层/coated
2.0 < d ≤ 2.5	20	3	50	Z1207-0200	<input type="checkbox"/> Z1207-0200T
2.5 < d ≤ 3.0	22	3	50	Z1207-0250	<input type="checkbox"/> Z1207-0250T
3.0 < d ≤ 3.5	25	4	55	Z1207-0300	<input type="checkbox"/> Z1207-0300T
3.5 < d ≤ 4.0	28	4	55	Z1207-0350	<input type="checkbox"/> Z1207-0350T
4.0 < d ≤ 4.5	30	5	60	Z1207-0400	<input type="checkbox"/> Z1207-0400T
4.5 < d ≤ 5.0	33	5	65	Z1207-0450	<input type="checkbox"/> Z1207-0450T
5.0 < d ≤ 5.5	35	6	70	Z1207-0500	<input type="checkbox"/> Z1207-0500T
5.5 < d ≤ 6.0	40	6	75	Z1207-0550	<input type="checkbox"/> Z1207-0550T
6.0 < d ≤ 6.5	43	8	80	Z1207-0600	<input type="checkbox"/> Z1207-0600T
6.5 < d ≤ 7.0	46	8	85	Z1207-0650	<input type="checkbox"/> Z1207-0650T
7.0 < d ≤ 8.0	50	8	90	Z1207-0700	<input type="checkbox"/> Z1207-0700T
8.0 < d ≤ 9.0	53	10	95	Z1207-0800	<input type="checkbox"/> Z1207-0800T
9.0 < d ≤ 10	55	10	100	Z1207-0900	<input type="checkbox"/> Z1207-0900T
10 < d ≤ 11	65	12	115	Z1207-1000	<input type="checkbox"/> Z1207-1000T
11 < d ≤ 12	65	12	115	Z1207-1100	<input type="checkbox"/> Z1207-1100T
12 < d ≤ 14	70	14	120	Z1207-1200	<input type="checkbox"/> Z1207-1200T
14 < d ≤ 16	75	16	130	Z1207-1400	<input type="checkbox"/> Z1207-1400T
16 < d ≤ 18	80	18	140	Z1207-1600	<input type="checkbox"/> Z1207-1600T
18 < d ≤ 20	90	20	150	Z1207-2000	<input type="checkbox"/> Z1207-2000T

Solid Carbide A Type Center Drill 60°/90°

X1208 Z1208-1 整体硬质合金A型中心钻60° 90°

技术参数/TECHNOLOGY PARAMETERS

○ 涂层 (可选) Coating(Optional) 单位(Unit):mm



规格				订货号/Item Code	
d(h7)	l1	D(h6)	L	不涂层/Uncoated	涂层/coated
0.5	3.2	0.8	40	Z1208-0850	<input type="checkbox"/> Z1208-0850T
1.0	3.2	1.3	40	Z1208-0100	<input type="checkbox"/> Z1208-0100T
2.0	5.0	2.5	40	Z1208-0200	<input type="checkbox"/> Z1208-0200T
2.5	6.0	3.1	45	Z1208-0250	<input type="checkbox"/> Z1208-0250T
4.0	10.0	5.0	55	Z1208-0400	<input type="checkbox"/> Z1208-0400T
5.0	12.5	6.3	60	Z1208-0500	<input type="checkbox"/> Z1208-0500T
0.5	3.0	0.8	45	Z1208-0050	<input type="checkbox"/> Z1208-0050T
1.0	3.0	1.3	45	Z1208-0100	<input type="checkbox"/> Z1208-0100T
2.0	5.0	2.5	50	Z1208-0200	<input type="checkbox"/> Z1208-0200T
2.5	6.3	3.1	55	Z1208-0250	<input type="checkbox"/> Z1208-0250T
4.0	10.0	5.0	65	Z1208-0400	<input type="checkbox"/> Z1208-0400T
5.0	12.5	6.3	72	Z1208-0500	<input type="checkbox"/> Z1208-0500T
6.3	16.0	8.0	80	Z1208-0630	<input type="checkbox"/> Z1208-0630T

铰削刀具 Reaming tools

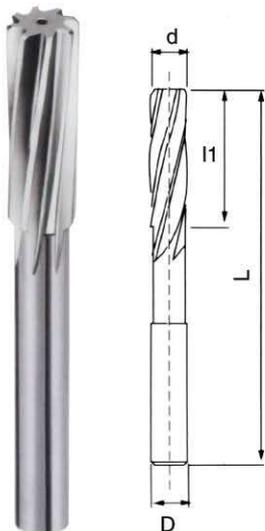
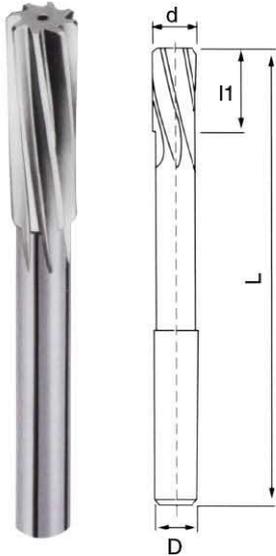


Left-hand Reamer/Right-hand Reamer

J1201/2201

左旋铰刀/右旋铰刀

单位(Unit):mm



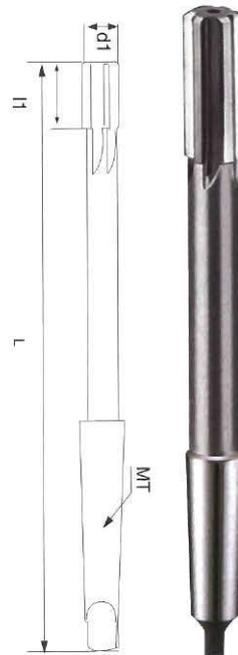
尺寸系列/Specification				订货号/Item Code
刃径d1	柄径D	总长L	刃长l1	
4.00	3.50	56	20	J2101-0400
4.50	4.00	63	22	J2101-0450
5.00	4.00	63	22	J2101-0500
5.50	5.00	63	22	J2101-0550
6.00	5.00	63	22	J2101-0600
6.50	5.00	63	22	J2101-0650
7.00	6.00	71	25	J2101-0700
7.50	6.00	71	25	J2101-0750
8.00	6.00	71	25	J2101-0800
8.50	8.00	71	25	J2101-0850
9.00	8.00	71	25	J2101-0900
9.50	8.00	71	25	J2101-0950
10.00	8.00	71	25	J2101-1000
10.50	10.00	80	28	J2101-1050
11.00	10.00	80	28	J2101-1100
11.50	10.00	80	28	J2101-1150
12.00	10.00	80	28	J2101-1200
12.50	10.00	80	28	J2101-1250
13.00	10.00	80	28	J2101-1300
13.50	12.50	90	32	J2101-1350
14.00	12.50	90	32	J2101-1400
14.50	12.50	90	32	J2101-1450
15.00	12.50	90	32	J2101-1500
15.50	12.50	90	32	J2101-1550
16.00	12.50	90	32	J2101-1600
16.50	12.50	90	32	J2101-1650
17.00	16.00	90	32	J2101-1700
17.50	16.00	100	36	J2101-1750
18.00	16.00	100	36	J2101-1800
18.50	16.00	100	36	J2101-1850
19.00	16.00	100	36	J2101-1900
19.50	16.00	100	36	J2101-1950
20.00	16.00	100	36	J2101-2000

Taper shank straight flute reamers

J2401 锥柄直槽铰刀

单位(Unit):mm

尺寸系列/Specification				订货号/Item Code
刃径d1	锥柄MT	总长L	刃长l1	
5.00	MT1	133	22	J2401-0500
6.00	MT1	138	22	J2401-0600
7.00	MT1	150	25	J2401-0700
8.00	MT1	156	25	J2401-0800
9.00	MT1	162	25	J2401-0900
10.00	MT1	168	25	J2401-1000
11.00	MT1	175	28	J2401-1100
12.00	MT1	182	28	J2401-1200
13.00	MT1	182	28	J2401-1300
14.00	MT1	189	28	J2401-1400
15.00	MT2	204	32	J2401-1500
16.00	MT2	210	32	J2401-1600
17.00	MT2	214	32	J2401-1700
18.00	MT2	219	36	J2401-1800
19.00	MT2	223	36	J2401-1900
20.00	MT2	228	36	J2401-2000

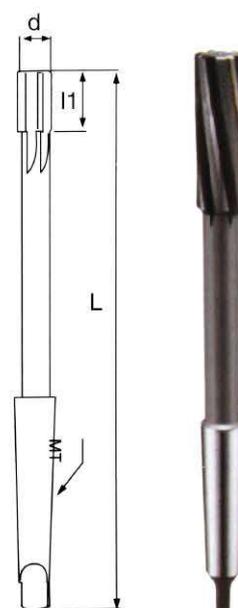


Taper shank spiral reamers

J2401 锥柄螺旋铰刀

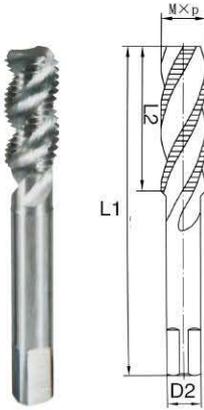
单位(Unit):mm

尺寸系列/Specification				订货号/Item Code
刃径d1	锥柄MT	总长L	刃长l1	
5.00	MT1	133	22	J2401-0500
6.00	MT1	138	22	J2401-0600
7.00	MT1	150	25	J2401-0700
8.00	MT1	156	25	J2401-0800
9.00	MT1	162	25	J2401-0900
10.00	MT1	168	25	J2401-1000
11.00	MT1	175	28	J2401-1100
12.00	MT1	182	28	J2401-1200
13.00	MT1	182	28	J2401-1300
14.00	MT1	189	28	J2401-1400
15.00	MT2	204	32	J2401-1500
16.00	MT2	210	32	J2401-1600
17.00	MT2	214	32	J2401-1700
18.00	MT2	219	36	J2401-1800
19.00	MT2	223	36	J2401-1900
20.00	MT2	228	36	J2401-2000



Spiral Flute Tap

T3101 螺旋丝锥

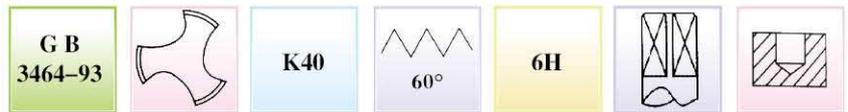
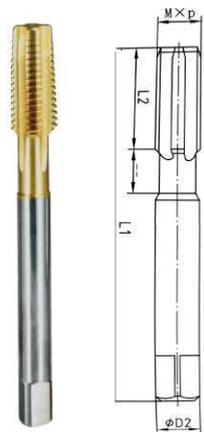


单位(Unit):mm

规格/Specifications						订货号/Item Code	
螺纹Thread	螺P	槽数Z	总长L1	螺纹长L2	柄径D2	不涂层/Uncoated	涂层/coated
M4	0.7	3	53	13	4	T3101-0400	<input type="checkbox"/> T3101-0400T
M5	0.8	3	53	16	5	T3101-0500	<input type="checkbox"/> T3101-0500T
M6	1	3	66	16	6.3	T3101-0600	<input type="checkbox"/> T3101-0600T
M8	1.25	4	72	22	8	T3101-0800	<input type="checkbox"/> T3101-0800T
M10	1.5	4	80	24	10	T3101-1000	<input type="checkbox"/> T3101-1000T

Straight Flute Tap

T3201 直槽丝锥

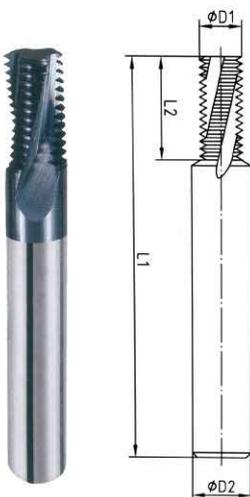


单位(Unit):mm

规格/Specifications						订货号/Item Code	
螺纹Thread	螺距P	槽数Z	总长L1	螺纹长L2	柄径D2	不涂层/Uncoated	涂层/coated
M4	0.7	3	53	13	4	T3201-0400	<input type="checkbox"/> T3201-0400T
M5	0.8	3	53	16	5	T3201-0500	<input type="checkbox"/> T3201-0500T
M6	1	3	66	16	6.3	T3201-0600	<input type="checkbox"/> T3201-0600T
M8	1.25	4	72	22	8	T3201-0800	<input type="checkbox"/> T3201-0800T
M10	1.5	4	80	24	10	T3201-1000	<input type="checkbox"/> T3201-1000T

Thread Mills

T3301 螺纹铣刀



单位(Unit):mm

规格/Specifications						订货号/Item Code	
螺纹Thread	螺距P	槽数Z	总长L1	螺纹长L2	柄径D2	不涂层/Uncoated	涂层/coated
M5	0.8	3	46	10.4	3.9	T3301-0050	<input type="checkbox"/> T3301-0050T
M6	1	3	58	12	4.8	T3301-0060	<input type="checkbox"/> T3301-0060T
M8	1.25	3	62	16.2	6.7	T3301-0080	<input type="checkbox"/> T3301-0080T
M10	1.5	3	74	19.5	8.7	T3301-1000	<input type="checkbox"/> T3301-1000T
M12	1.75	4	74	24.5	9.9	T3301-1200	<input type="checkbox"/> T3301-1200T
M16	2	4	93	32	13.6	T3301-1600	<input type="checkbox"/> T3301-1600T
M20	2.5	4	103	30	17.1	T3301-2000	<input type="checkbox"/> T3301-2000T

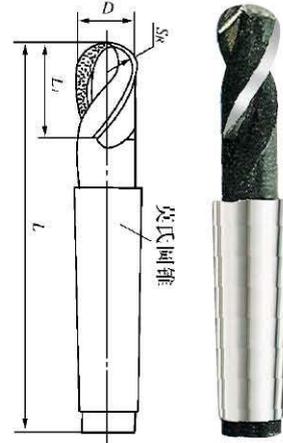
Hard alloy welding ball head end mill

H5301 硬质合金焊接球头铣刀



单位(Unit):mm

规格/Specifications						
订货号	莫氏圆锥号	SR	D	L	L1	
H031-1	MW2	8	16	128.2	43.2	
H031-2	MW2	9	18	129.2	44.2	
H031-3	MW3	10	20	155.2	53.2	
H031-4	MW3	11	22	156.2	54.2	
H031-5	MW3	12.5	25	167.7	65.7	
H031-6	MW3	14	28	169.2	67.2	
H031-7	MW3	15	30	173.2	71.2	
H031-8	MW4	16	32	199.2	72.2	
H031-9	MW4	18	36	207.2	80.2	
H031-10	MW4	20	40	209.2	82.2	
H031-11	MW4	22.2	45	211.5	84.7	
H031-12	MW5	25	50	244.2	88.2	
H031-13	MW5	28	56	255.2	99.2	
H031-14	MW5	31.5	63	257.7	102.7	

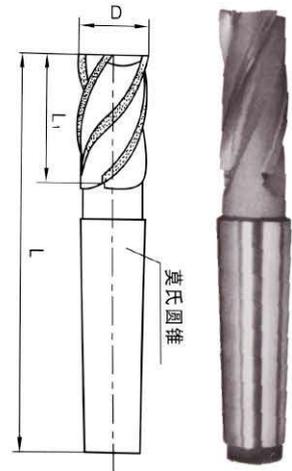


Hard alloy welding ball spiral end mill

H5302 硬质合金焊接螺旋立铣刀

单位(Unit):mm

规格/Specifications								
订货号	HXL01	HXL02	HXL03	HXL04	HXL05	HXL06	HXL07	HXL08
H032-1	16	16	25	32	36	40	50	63
H032-2	117	117	153	178	200	200	220	220
H032-3	32	32	45	53	53	53	53	63
H032-4	3	3	4	4	4	4	6	6
H032-5	2#	2#	3#	4#	4#	4#	5#	5#

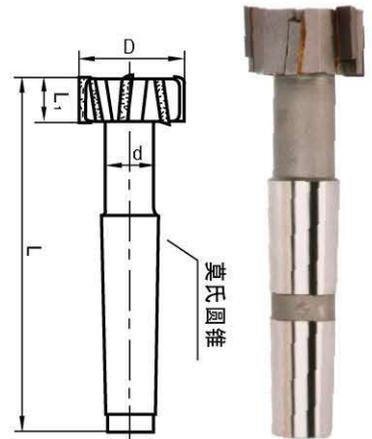


Hard alloy welding T slot cutter

H5303 硬质合金焊接T型槽铣刀

单位(Unit):mm

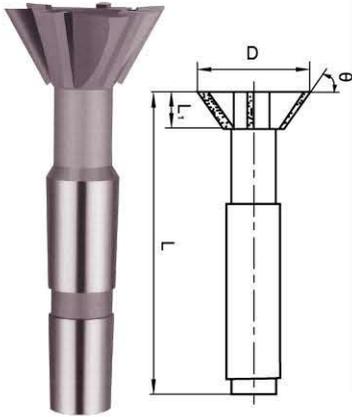
规格/Specifications						
订货号	槽尺寸	D	L	L1	Z	TM
H033-1	12	21	105	9	4	2#
H033-2	14	25	105	11	6	2#
H033-3	18	32	110	15	6	2#
H033-4	22	40	140	18	6	3#
H033-5	28	50	175	22	6	4#
H033-6	36	60	190	28	8	4#
H033-7	42	72	230	35	8	5#
H033-8	48	85	240	40	8	5#
H033-9	54	95	250	44	8	5#



Hard alloy swallow tail trough milling cutter

X6201 硬质合金焊接燕尾槽铣刀

单位(Unit):mm



规格/Specifications						
订货号	莫氏圆锥	齿数	D	L	L1	θ°
H035-1	MW3	4	40	137	16	55°
H035-2	MW3	4	50	137	16	55°
H035-3	MW4	6	63	179	20	55°
H035-4	MW4	6	80	179	20	55°
H035-5	MW4	6	100	179	20	55°
H035-6	MW3	4	40	137	16	60°
H035-7	MW3	4	50	137	16	60°
H035-8	MW4	6	63	179	20	60°
H035-9	MW4	6	80	179	20	60°
H035-10	MW4	6	100	179	20	60°

柄部可改为莫氏锥柄 特殊规格订货时请注明

Tungsten steel welded angle cutter within R4 Flute

X6202 焊接式钨钢内R角铣刀4刃

单位(Unit):mm



规格/Specifications							
订货号	外径D	柄径d3	先端径d1	外径d2	柄长L1	全长L	刀片T
H035-1	8R	20	20	29	60	80	4
H035-2	10R	25	25	37	70	115	4
H035-3	12.5R	25	25	45	70	115	4
H035-4	15R	32	32	55	80	130	4
H035-5	16R	32	32	57	80	130	4
H035-6	20R	32	32	70	80	130	4
H035-7	25R	32	32	85	80	150	4

Indexable helical end mills

X6203 可转位螺旋立铣刀

7:24锥柄 7:24 Taper shank



型号规格	齿数	尺寸				7:24锥柄 7:24 Taper shank	
		D	I	L1	L		
XT40-KLX32	2	32	43	65	175	2	
XT40-KLX40	4	40	50	93	190	4	
XT50-KLX50	4	50	76	133.5	260	4	
XT50-KLX63	4	63	86	143	270	4	
XT50-KLX80	6	80	96	153	280	6	
XT50-KLX100	6	100	106	163	290	6	

断齿刀片 (A)	周齿刀片 (B)	刀片数 (A/B)	梅花螺丝	扳手
ADHW050308 (ADMT050308)	SDHW090308 (SDMT090308)	1/15	L43MX9	T15
		2/12		
APHW160408 (APMT160408)	SPHW120408 (SPMT120408)	2/14	L43M5X11	T20
		2/16		
		3/27		
		3/30		

注: 其他柄部连接形式, 订货时请加以说明。

Note: Other types of shank connection, please order to illustrate this

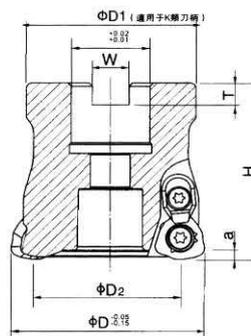
Fast forward to the shell-shaped cutter

K7001 快进给壳形铣刀



单位(Unit):mm

型号规格	型号规格								试用刀片	压板	螺钉	扳手
	D	D1	D2	d	H	W	T	a				
AJX12-50-22-3T	50	47	38.3	22	50	10.4	6.3	1.5	JDMW120420 ZDSR-FT	AMS-4	A40100J M4X10	T15F T15
AJX12-50-22-4T	50	47	38.3	22	50	10.4	6.3	1.5				
AJX12-63-22-4T	63	60	51.3	22	50	10.4	6.3	1.5	JDMW140520 ZDSR-FT	AMS-5	A50100J M5X12	T20F T20
AJX14-63-22-3T	63	60	51.1	22	50	10.4	6.3	2				
AJX14-63-22-4T	63	60	51.1	22	50	10.4	7	2	JDMW120420 ZDSR-FT	AMS-4	A40100J M4X10	T15F T15
AJX14-80-27-4T	80	76	68.1	27	50	12.4	7	2				
AJX14-80-27-5T	80	76	68.1	27	50	12.4	8	2	JDMW140520 ZDSR-FT	AMS-5	A50100J M5X12	T20F T20
AJX14-100-32-5T	100	96	88.1	32	63	14.4	6	2				
AJX14-50-25.4-3T	50	47	38.3	25.4	50	10	6	1.5	JDMW120420 ZDSR-FT	AMS-4	A40100J M4X10	T15F T15
AJX12-50-25.4-4T	50	47	38.3	25.4	50	10	6	1.5				
AJX12-63-25.4-4T	63	60	51.3	25.4	50	10	6	1.5	JDMW140520 ZDSR-FT	AMS-5	A50100J M5X12	T20F T20
AJX12-63-25.4-3T	63	60	51.1	25.4	50	10	6	2				
AJX14-63-25.4-4T	63	60	51.1	25.4	50	10	6	2	JDMW120420 ZDSR-FT	AMS-4	A40100J M4X10	T15F T15
AJX14-80-25.4-4T	80	76	68.1	25.4	50	10	6	2				
AJX14-80-25.4-5T	80	76	68.1	25.4	50	10	6	2	JDMW140520 ZDSR-FT	AMS-5	A50100J M5X12	T20F T20
AJX14-100-31.75-5T	100	96	88.1	31.75	63	13	8	2				



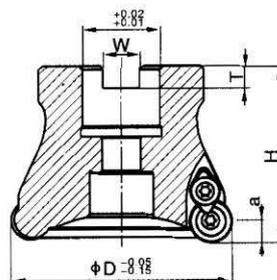
Univeral round nose shell-shaped cutter

K7002 通用型圆鼻壳形铣刀



单位(Unit):mm

型号规格	型号规格						圆垫片	试用刀片	压板	螺钉	扳手
	D	d	H	W	T	a					
5R-50-22-4T	50	22	50	10.4	6.3	5	-	RPMW1003MO RPMW10T3MOE	A-5R	A40400J/A35100F M4X10/N3.5X10	T15F T15
5R-63-22-4T	63	22	50	10.4	6.3	5	-				
5R-63-22-4T	63	22	50	10.4	6.3	5	-				
5R-80-27-4T	80	27	50	12.4	7	5	-				
5R-100-32-4T	100	32	50	14.4	8	5	FMB-32-SHIM				
6R-50-22-4T	50	22	50	10.4	6.3	6	-	RPMW/1204MO	A-6R	A40100J M4X10	T15F T15
6R-50-22-4T	50	22	50	10.4	6.3	6	-				
6R-63-22-4T	63	22	50	10.4	6.3	6	-				
6R-63-22-5T	63	22	50	10.4	6.3	6	-				
6R-80-27-6T	80	27	50	12.4	7	6	-				
6R-100-32-6T	100	32	50	14.4	8	6	FMB-32-SHIM				
6R-125-40-6T	125	40	63	16.4	9	6	FMB-40-SHIM				
6R-160-40-9T	160	40	63	16.4	9	6	FMB-40-SHIM				
6R-200-60-9T	200	60	63	25.7	14	6	-				

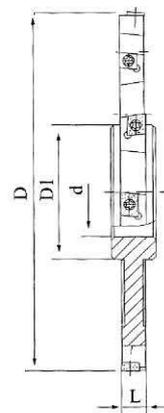
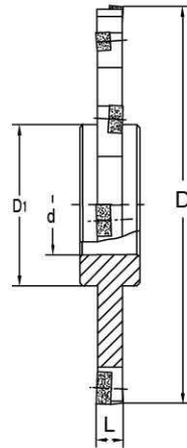


注：可做到 $\phi 250$ ，接受非标定制。

Vertical slot cutters mounted indexable

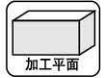
X7005 立装可转位槽铣刀

型号规格	齿数	尺寸				刀片	梅花螺丝	扳手
		D	D1	d	L			
KCX-100T	8	100	55	32	8-9	LNEU1504	L60M4X8.4	T15
KCX-100T	8	100	55	32	9-10	SNEU1205	L60M5X10	T20
KCX-100T	8	100	55	40	10-12	SNEU1206	L60M5X10	T20
KCX-125T	10	125	65	40	8-9	LNEU1504	L60M4X8.4	T15
KCX-125T	10	125	65	40	9-10	SNEU1205	L60M5X10	T20
KCX-125T	10	125	65	40	10-12	SNEU1206	L60M5X10	T20
KCX-160T	12	160	65	40	8-9	LNEU1504	L60M4X8.4	T15
KCX-160T	12	160	65	40	9-10	SNEU1205	L60M5X10	T20
KCX-160T	12	160	65	40	10-12	SNEU1206	L60M5X10	T20
KCX-160T	12	160	65	40	12-14	SNEU1207	L90M5X12	T20
KCX-160T	12	160	65	40	14-16	CDEU0904R/L	L60M4X8.4	T15
KCX-160T	12	160	65	40	16-20	CDEU1206R/L	L60M5X12	T20
KCX-160T	12	160	65	40	20-28	CDEU1606R/L	L60M5X12	T20
KCX-200T	16	200	75	50	8-9	LNEU1504	L60M4X8.4	T15
KCX-200T	14	200	75	50	9-10	SNEU1205	L60M5X10	T20
KCX-200T	14	200	75	50	10-12	SNEU1206	L60M5X10	T20
KCX-200T	14	200	75	50	12-14	SNEU1207	L90M5X12	T20
KCX-200T	14	200	75	50	14-16	CDEU0904R/L	L60M4X8.4	T15
KCX-200T	14	200	75	50	16-20	CDEU1206R/L	L60M5X12	T20
KCX-200T	14	200	75	50	20-28	CDEU1606R/L	L60M5X12	T20
KCX-250T	18	250	90	60	10-12	SNEU1206	L60M5X10	T20
KCX-250T	16	250	90	60	12-14	SNEU1207	L90M5X12	T20
KCX-250T	16	250	90	60	14-06	CDEU0904R/L	L60M4X8.4	T15
KCX-250T	16	250	90	60	16-20	CDEU1206R/L	L60M5X12	T20
KCX-250T	16	250	90	60	20-28	CDEU1606R/L	L60M5X12	T20
KCX-315T	22	315	90	60	10-12	SNEU1206	L60M5X10	T20
KCX-315T	20	315	90	60	12-14	SNEU1207	L90M5X12	T20
KCX-315T	20	315	90	60	14-16	CDEU0904R/L	L60M5X8.4	T15
KCX-315T	20	315	90	60	16-20	CDEU1206R/L	L60M5X12	T20
KCX-315T	20	315	90	60	20-28	CDEU1606R/L	L60M5X12	T20
KCX-350T	22	350	90	60	16-20	CDEU1206R/L	L60M5X12	T20
KCX-350T	22	350	90	60	20-28	CDEU1606R/L	L60M5X12	T20
KCX-400T	24	400	90	60	16-20	CDEU1206R/L	L60M5X12	T20
KCX-400T	24	400	90	60	20-28	CDEU1606R/L	L60M5X12	T20
KCX-500T	30	500	90	60	16-20	CDEU1206R/L	L60M5X12	T20
KCX-500T	30	600	90	60	20-28	CDEU1606R/L	L60M5X12	T20

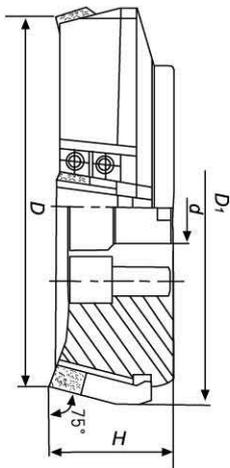


Indexable face mills Kr75°

X7006 可转位面铣刀Kr75°

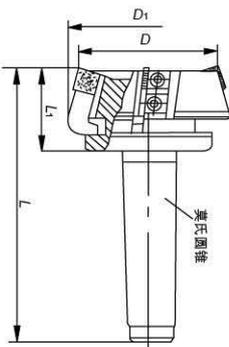


该铣刀 $\gamma_0=5^\circ$ $\lambda_s=7^\circ$ ，切削平稳、畅快、适用于对钢和铸铁件的切削加工。
The milling tools $\gamma_0=5^\circ$ $\lambda_s=7^\circ$, cutting a smooth, coziness. suitable for medium, low carbon steel and cast-iron pieces machine cutting.



型号规格	齿数	尺寸			安装		刀片	配件			
		D	D1	H	d	型式		压块	刀垫	双头螺丝	扳手
GMA63R/L	3	63	76	50	22	A	SPCN1203ED R/L	GMA63 R/L-03	GMA63 R/L-02	M8X1X20	□4.0
GMA80R/L	4	80	96		27						
GMA100R/L	5	100	113		32						
GMA125R/L	7	125	141	63	40	B	SPCN1504ED R/L	GMA125 R/L-03	GMA125 R/L-02	M10X1X20	
GMA160R/L	9	160	177								
GMA200R/L	12	200	217								
GMA250R/L	15	250	267	80 (70)	60	C (CA)	SPCN1504ED R/L	GMA125 R/L-03	GMA125 R/L-02	M10X1X20	
GMA315R/L	18	315	332								
GMA350R/L	20	350	367								
GMA400R/L	24	400	417								
GMA500R/L	30	500	517								
GMA630R/L	36	630	647								
GM 800R/L	45	800	817								

需要括号内尺寸 (H=70)，请订货时说明。
Brackets need to size(H=70), please note when ordering.
该铣刀 $\gamma_0=1.5^\circ$ $\lambda_s=7^\circ$ ，切削轻松，排屑畅快，适用于小功率机床上对钢和铸铁件的切削加工。

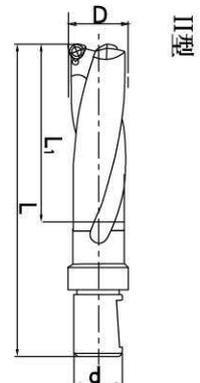
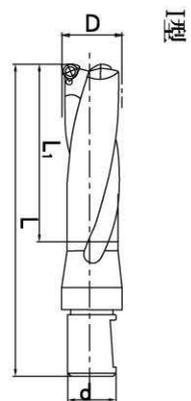


型号规格	齿数	尺寸		莫氏圆锥号	刀片	配件			
		D	D1			压块	刀垫	双头螺丝	扳手
GMA 63MW R/L	3	63	76	MW4	SPCN1203ED R/L	GMA63 R/L-03	GMA63 R/L-02	M8X1X20	Φ4.0
GMA 80MW R/L	5	80	93						
GMA 100MW R/L	5	100	113						

Indexable shallow hole drills with spiral flute

X7007 可转位螺旋沟浅孔钻

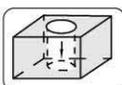
型号规格	型式	尺寸				刀片	梅花螺丝	扳手	
		D	d	L	L1				
QKX-21.63	I	21	25	139	63	WCMX040208	L42M3X6.2	T8	
QKX-22.63		22		139	63				
QKX-23.69		23		145	69				
QKX-24.69		24		145	69				
QKX-25.75		25		151	75				
QKX-26.75		26		151	75				
QKX-27.81		27		157	81	WCMX050308	L42M3X7	T8	
QKX-28.81		28		157	81				
QKX-29.87		29		163	87				
QKX-30.87		30		163	87				
QKX-31.93	II	31	32	171	93				WCMX06T308
QKX-32.96		32		177	96				
QKX-33.96		33		177	96				
QKX-34.102		34		183	102				
QKX-35.102		35		183	102				
QKX-36.108		36		196	108				
QKX-37.111		37		202	111				
QKX-38.111		38		202	111				
QKX-39.117		39		205	117				
QKX-40.120		40		211	120				
QKX-41.120		41	211	120					
QKX-42.126		40	42	40	224	126	WCMX080412	L42M4X8.4	T15
QKX-43.129			43		235	129			
QKX-44.129			44		235	129			
QKX-45.135			45		241	135			
QKX-46.135			46		241	135			
QKX-47.141			47		247	141			
QKX-48.141			48		247	141			
QKX-49.147			49		250	147			
QKX-50.150			50		256	150			
QKX-51.150	51		256		150				
QKX-52.156	52	262	156						
QKX-53.156	53	262	156						
QKX-54.162	54	265	162						
QKX-55.165	55	271	165						
QKX-56.165	56	271	165						



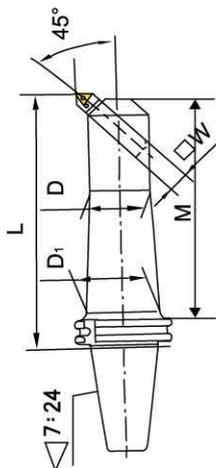
Tilt-Handle rough boring bar

K8001 倾斜型粗镗刀杆

单位(Unit):mm



镗孔



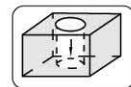
型号	加工范围	尺寸								镗刀头型号
				JT柄		BT柄				
		D2	M	D2	M					
BT(JT)-40-TQC25-135	25-38	135	20	8	22	112	22	105	TQC1-28	
BT(JT)-40-TQC30-165	30-42	165	24	8	26	142	26	135	TQC1-35	
BT(JT)-40-TQC38-180	38-52	180	30	10	33	156	33	150	TQC2-48	
BT(JT)-40-TQC42-210	42-56	210	34	10	37	186	37	180	TQC2-48	
BT(JT)-40-TQC50-180	50-65	180	40	13	44	156	44	150	TQC3-56	
BT(JT)-40-TQC50-225	50-65	225	40	13	44	202	44	195	TQC3-56	
BT(JT)-40-TQC62-180	62-90	180	50	16	48	156	48	150	TQC4-52	
BT(JT)-40-TQC62-240	62-90	240	50	16	48	216	48	210	TQC4-90	
BT(JT)-40-TQC72-180	72-110	180	60	19	50	156	50	150	TQC5-85	
BT(JT)-40-TQC72-240	72-110	240	60	19	50	216	50	210	TQC5-85	
BT(JT)-40-TQC90-180	90-125	180	75	19	50	156	50	150	TQC5-120	
BT(JT)-40-TQC25-135	25-38	135	20	8	22	112	22	68	TQC1-28	
BT(JT)-40-TQC30-165	30-42	165	24	8	26	142	26	128	TQC1-35	
BT(JT)-40-TQC38-180	38-52	180	30	10	33	156	33	142	TQC2-48	
BT(JT)-40-TQC42-210	42-56	210	34	10	37	186	37	172	TQC2-48	
BT(JT)-40-TQC50-180	50-65	180	40	13	44	156	44	142	TQC3-56	
BT(JT)-40-TQC50-225	50-65	225	40	13	44	202	44	188	TQC3-56	
BT(JT)-40-TQC62-195	62-90	195	50	16	56	172	56	158	TQC4-72	
BT(JT)-40-TQC62-270	62-90	270	50	16	56	246	56	232	TQC4-90	
BT(JT)-40-TQC72-195	72-110	195	60	19	58	172	58	158	TQC5-85	
BT(JT)-40-TQC72-285	72-110	285	60	19	58	262	58	248	TQC5-85	
BT(JT)-40-TQC90-195	90-125	195	75	19	60	172	60	158	TQC5-120	
BT(JT)-40-TQC90-285	90-125	285	75	19	60	162	60	248	TQC5-120	
BT(JT)-40-TQC25-135	25-38	135	20	8	22	112	22	92	TQC1-25	
BT(JT)-40-TQC30-165	30-42	165	24	8	26	142	26	122	TQC1-35	
BT(JT)-40-TQC38-180	38-52	180	30	10	33	156	33	138	TQC2-48	
BT(JT)-40-TQC42-210	42-56	210	34	10	37	186	37	165	TQC2-48	
BT(JT)-40-TQC50-180	50-65	180	40	13	44	156	44	138	TQC3-56	
BT(JT)-40-TQC50-240	50-65	240	40	13	44	216	44	195	TQC3-56	
BT(JT)-40-TQC62-195	62-90	195	50	16	56	172	56	152	TQC4-72	
BT(JT)-40-TQC62-270	62-90	270	50	16	56	246	56	228	TQC4-90	
BT(JT)-40-TQC75-195	72-110	195	60	19	66	172	66	152	TQC5-85	
BT(JT)-40-TQC75-285	72-110	285	60	19	66	262	66	242	TQC5-85	
BT(JT)-40-TQC90-210	90-125	210	75	19	72	186	72	168	TQC5-120	
BT(JT)-40-TQC90-300	90-125	300	75	19	72	276	72	258	TQC5-120	

注：本产品不带镗刀头，如需要，请在订货时说明。

Note: This product is non-contain cutter head, as necessary, in order that time.

Precision Boring Arbor With Micro Adjustment

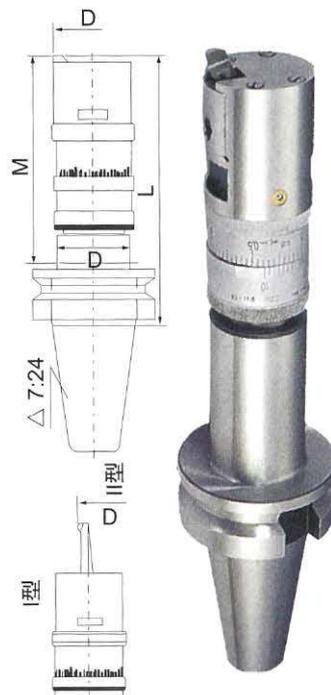
K8002 精密微调镗刀头



镗孔

单位(Unit):mm

型号	加工范围	尺寸				微调刀头型号
		D	l	M		
				JT柄	BT柄	
JT/BT 40-TM14-135	14-26	38	135	112	105	F06
JT/BT 40-TM25-110	25-33	24	110	86	80	F4
JT/BT 40-TM32-135	32-42	30	135	112	105	F03
JT/BT 40-TM41-135	41-54	38	135	112	105	F02
JT/BT 40-TM53-165	53-70	50	165	142	135	F04
JT/BT 40-TM14-135	14-26	38	135	112	98	F06
JT/BT 40-TM25-110	25-33	24	110	86	72	F04
JT/BT 40-TM32-135	35-42	30	135	112	98	F03
JT/BT 40-TM41-135	41-54	38	135	112	98	F02
JT/BT 40-TM53-165	53-70	50	165	142	128	F01
JT/BT 40-TM70-180	70-100	64	180	156	142	F00
JT/BT 40-TM14-135	14-26	38	135	112	92	F06
JT/BT 40-TM25-110	25-33	24	110	86	68	F04
JT/BT 40-TM32-135	32-42	30	135	112	92	F04
JT/BT 40-TM41-135	41-54	38	135	112	92	F02
JT/BT 40-TM53-165	53-70	50	165	142	122	F01
JT/BT 40-TM70-180	70-100	64	180	156	138	F00



BT30 /BT40/BT50straight shank drill chuck

K8003 BT30,BT40,BT50直接钻夹头刀柄

单位(Unit):mm

型号	加工范围	D	L		重量 kg
			Min	Max	
BT30-APU08-80	1-8	36.3	75	82	2.10
BT30-APU08-100	1-13	51.5	97	104.5	2.50
BT40-APU13-110	1-13	51.5	98	109	3.50
BT40-APU16-130	3-16	58	116	130	4.00
BT50-APU13-120	1-13	51.5	109	120	4.20
BT50-APU16-130	3-16	58	116	130	4.70



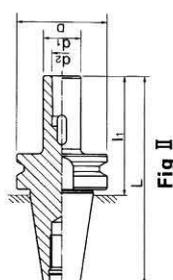
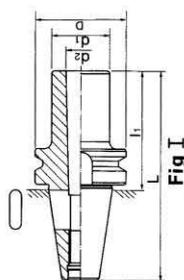
☆订货示例: 1件 BT40-APU13-110

☆若需要其他刀柄形式也可订购。

BT30/BT40/BT50 Drill Chuck Morse

K8004 BT30,BT40,BT50莫氏钻夹头刀柄

单位(Unit):mm

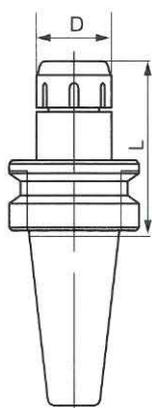


型号规格	莫氏圆锥号	d	D	L	对应安装 钻头直径	形式	重量(kg)
BT30-3	1	12.065	25	45	3.0	1	0.90
BT30-3	1	12.065	25	120	3.0	2	1.10
BT30-3	2	17.780	32	60	14.0	1	1.10
BT30-3	2	17.780	32	120	14.0	2	1.30
BT30-3	3	23.825	40	90	23.0	1	1.20
BT30-3	3	23.825	40	135	23.0	2	1.40
BT30-3	1	12.065	25	45	3.0	1	1.00
BT30-3	1	12.065	25	20	3.0	2	1.30
BT30-3	2	17.780	32	60	14.0	1	1.30
BT30-3	2	17.780	32	120	14.0	2	1.60
BT30-3	3	23.825	40	75	23.0	1	1.60
BT30-3	3	23.825	40	135	23.0	2	2.20
BT30-3	3	23.825	40	150	23.0	2	2.30
BT30-3	4	31.267	50	95	32.0	1	1.50
BT30-3	4	31.267	50	165	32.0	2	2.60
BT30-3	1	12.065	25	45	3.0-14.0	1	3.60
BT30-3	1	12.065	25	120	3.0-14.0	2	3.80
BT30-3	1	12.065	25	180	3.0-14.0	2	4.10
BT30-3	2	17.780	32	45	14.0-23.0	1	3.50
BT30-3	2	17.780	32	135	14.0-23.0	2	4.10
BT30-3	2	17.780	32	180	14.0-23.0	2	4.40
BT30-3	3	23.825	40	45	23.0-32.0	1	3.60
BT30-3	3	23.825	40	150	23.0-32.0	2	4.40
BT30-3	3	23.825	40	180	23.0-32.0	2	4.70
BT30-3	4	31.267	50	75	32.0-50.0	1	3.60
BT30-3	4	31.267	50	180	32.0-50.0	2	4.60
BT30-3	5	44.399	70	105	50.0-75.0	1	5.10
BT30-3	5	44.399	70	210	50.0-75.0	2	8.20

BT30/BT40/BT50-QC collet chucks

K8004 BT30,BT40,BT50-QC弹簧夹头刀柄

单位(Unit):mm



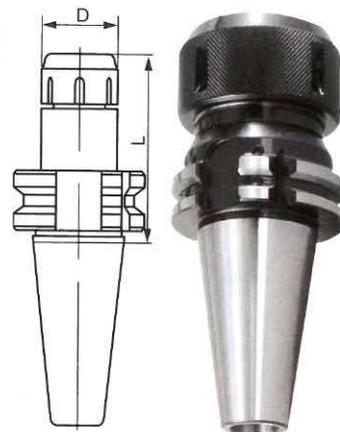
型号	夹持范围	规格			
		D	L	适用夹头	重量(kg)
BT30-QC1-75	3-10	42	75	QHC1-□	0.90
BT30-QC2-75	3-20	60	75	QHC2-□	1.00
BT40-QC1-75	3-10	42	75	QHC1-□	1.40
BT40-QC1-120	3-10	42	120	QHC1-□	1.70
BT40-QC2-75	3-20	60	75	QHC2-□	1.50
BT40-QC2-120	3-20	60	120	QHC2-□	2.50
BT50-QC1-90	3-10	42	90	QHC1-□	4.10
BT50-QC1-150	3-10	42	150	QHC1-□	4.70
BT50-QC2-90	3-20	60	90	QHC2-□	4.50
BT50-QC2-150	3-20	60	150	QHC2-□	5.80
BT50-QC3-90	10-25	78	90	QHC3-□	4.90
BT50-QC3-150	10-25	78	150	QHC3-□	7.10

JT30/JT50-QC collet chucks

K8006 JT30, JT50-QC弹簧夹头刀柄

单位(Unit):mm

型号	夹持范围	规格			
		D	L	适用夹头	重量(kg)
JT40-QC1-75	3-10	42	75	QHC1-□	1.40
JT40-QC1-120	3-20	42	120	QHC1-□	1.70
JT40-QC2-75	3-20	60	75	QHC2-□	1.50
JT40-QC2-120	3-20	60	120	QHC2-□	2.50
JT50-QC1-90	3-10	42	90	QHC1-□	4.10
JT50-QC1-150	3-10	42	150	QHC1-□	4.70
JT50-QC2-90	3-20	60	90	QHC2-□	4.50
JT50-QC2-150	3-20	60	150	QHC2-□	5.80
JT50-QC3-90	10-25	78	90	QHC3-□	4.90
JT50-QC3-150	10-25	78	150	QHC3-□	7.10

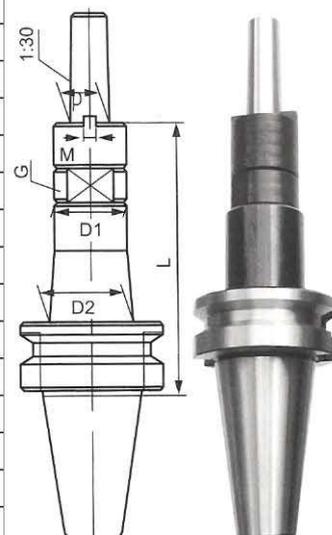


JT30/JT50-QC collet chucks

K8006 JT30, JT50-QC弹簧夹头刀柄

单位(Unit):mm

型号	尺寸					G1	适用扩孔钻直径	适用铰刀直径	重量(kg)
	d	L	D1	D3	W				
BT40-KJ13-90	13	90	24	24	4	M16	φ 25- φ 35	φ 25- φ 30	1.20
BT40-KJ13-150	13	150	24	28	4	M16	φ 25- φ 35	φ 25- φ 30	1.50
BT40-KJ16-100	16	100	31	31	5	M18	φ 36- φ 45	φ 32- φ 35	1.40
BT40-KJ16-185	16	185	31	36	5	M18	φ 36- φ 45	φ 32- φ 35	2.20
BT40-KJ19-120	19	120	35	35	6	M22	φ 46- φ 52	φ 36- φ 42	1.60
BT40-KJ19-200	19	200	35	40	6	M22	φ 46- φ 52	φ 36- φ 42	2.60
BT40-KJ22-130	22	130	40	44	7	M27	φ 55- φ 62	φ 45- φ 50	2.00
BT40-KJ22-225	22	225	40	46	7	M27	φ 55- φ 62	φ 45- φ 50	3.50
BT40-KJ27-150	27	150	50	50	8	M30	φ 65- φ 75	φ 52- φ 60	2.90
BT40-KJ27-225	27	225	50	56	8	M30	φ 65- φ 75	φ 52- φ 60	4.80
BT40-KJ32-120	32	120	54	54	10	M36	φ 80- φ 90	φ 62- φ 70	2.70
BT40-KJ32-200	32	200	54	60	10	M36	φ 80- φ 90	φ 62- φ 70	4.80
BT50-KJ13-100	13	100	24	24	4	M16	φ 25- φ 25	φ 25- φ 30	3.70
BT50-KJ13-185	13	185	24	28	4	M16	φ 25- φ 35	φ 25- φ 30	4.20
BT50-KJ16-100	16	100	31	31	5	M18	φ 36- φ 45	φ 32- φ 35	3.90
BT50-KJ16-185	16	185	31	36	5	M18	φ 36- φ 45	φ 32- φ 35	4.30
BT50-KJ19-120	19	120	35	35	6	M22	φ 45- φ 52	φ 36- φ 42	4.20
BT50-KJ12-200	19	200	35	40	6	M22	φ 45- φ 52	φ 36- φ 42	4.80
BT50-KJ22-130	22	130	40	40	7	M27	φ 55- φ 62	φ 45- φ 50	4.50
BT50-KJ22-225	22	225	40	46	7	M27	φ 55- φ 62	φ 45- φ 50	5.00
BT50-KJ27-150	27	150	50	50	8	M30	φ 65- φ 75	φ 52- φ 60	4.50
BT50-KJ27-225	27	225	50	56	8	M30	φ 65- φ 75	φ 52- φ 60	7.20
BT50-KJ32-120	32	120	54	54	10	M36	φ 80- φ 90	φ 62- φ 70	5.10
BT50-KJ32-200	32	200	54	60	10	M36	φ 80- φ 90	φ 62- φ 70	7.20







提高切削效率 解决切削难题

! 安全须知

- 工具使用时有破损的危险，请务必使用保护罩、保护镜、安全靴等。
- 手不要直接碰刀刃。
- 请不要用手接触碎屑。
- 刀具的刀刃不良时请停止使用。
- 如发生异常声音及振动时请立刻停止使用。
- 请不要擅自修改工具。
- 加工前请确认工具尺寸。

! Safe use of cutting tools

- Use safety cover, safety glasses and safety shoes during operation.
- Do not touch cutting edges with bare hands.
- Do not touch cutting chips with bare hands. Chips will be hot after cutting.
- Stop cutting when the tool becomes dull.
- Stop cutting operation immediately if you hear any strange cutting sounds.
- Do not modify tools.
- Please use correct tools for the operation. Check dimensions to ensure proper selection.