

T GUANZHONG Tools

孔加工、螺纹、铣铰刀具、枪钻
Hole-making, Threading, Milling,
Reaming, Gun drills



陕西关中工具制造有限公司

SHAANXI GUANZHONG TOOL MANUFACTURING CO., LTD

陕西关中工具制造有限公司简介

陕西关中工具制造有限公司属于机床工具行业骨干企业，公司于2003年6月注册成立。2008年3月与宝鸡机床集团有限公司（简称宝鸡机床集团）进行了资产重组，由宝鸡机床集团控股。公司传承关中工具五十余年核心制造工艺和工匠精神，主要从事金属切削刀具的设计、开发、制造和销售。公司拥有省级技术中心，技术力量雄厚；配备德国JUNKER和美国NORMAC螺纹磨、F57C全数控磨沟机，德国VOLLMER以及日本易尚全自动走心机等精良设备，建成国内先进的刀具涂层生产线，拥有德国KELCH刀具检测仪，并通过ISO9001：2015质量管理体系认证。主导产品有全系列丝锥、铣刀、铰刀、麻花钻、硬质合金可转位刀具、枪钻、整体硬质合金数控刀具等。其中机用丝锥获国家优质银奖。产品产销量居全国工具行业前列，在市场上具有良好的声誉和强劲的竞争实力。

公司热诚欢迎国内外朋友参观指导，洽谈业务，共谋发展。



A brief introduction of Shaanxi Guanzhong Tool Manufacturing Co.,Ltd

Shaanxi Guanzhong Tool Manufacturing Co., Ltd. is a backbone enterprise in the machine tool industry, registered and established in June 2003. In March 2008, Baoji Machine Tool Group Co., Ltd. (referred to as Baoji Machine Tool Group) underwent asset restructuring and was controlled by Baoji Machine Tool Group. The company inherits the core manufacturing process and craftsmanship spirit of Guanzhong Tools for over 50 years, mainly engaged in the design, development, manufacturing, and sales of metal cutting tools. The company has a provincial-level technology center with strong technical strength; Equipped with excellent equipment such as JUNKER from Germany and NORMAC from the United States, F57C fully CNC groove grinding machine, VOLLMER from Germany, and Yishang fully automatic centering machine from Japan, we have built an advanced tool coating production line in China, equipped with KELCH tool detector from Germany, and certified by the ISO9001:2015 quality management system. The leading products include a full range of silk dimension, milling cutter, reamer, Fried Dough Twists drill, carbide indexable cutter, gun drill, integral carbide CNC cutter, etc. The machine tap won the National High Quality Silver Award. The production and sales of the product rank among the top in the national tool industry, and it has a good reputation and strong competitive strength in the market.

The company warmly welcomes friends from home and abroad to visit and guide, negotiate business, and seek common development.



致 辞

公司坚持企业发展与员工同等重要，追求企业与用户互利共赢，聚合人心，塑造形象，做好工具产业的理念，坚持以人为本，以科技创新和管理创新为动力，秉承“质量是企业的生命和尊严”的核心质量理念，按照工具产品发展的高精度、高效率、高可靠性和专业化的要求，重点发展现代高效刀具，突出公司通用刀具的优势，加大技术改造投资力度，保持丝锥产品在国内工具市场的前列地位；同时研发制造以硬质合金深孔刀具、可转位系列刀具和整体硬质合金刀具为代表的数控刀具，形成关中工具新的增长点。我们真诚欢迎国内外朋友来公司洽谈业务，共谋发展。

公司党委书记、董事长：**高攀**

ADDRESS

We insist that increasing our staffs' income and developing our company is same important , and to concentrate our staffs' minds and thoughts and pursue our customers and our own interest increase together, to make our company better and better and make our products' quality higher and higher . We insist that we should base upon individual's radical benefits, take technological innovation and management innovation as our forces. In the light of high accuracy, high efficiency and high reliability. We place developing our dominant general-purpose cutting tool on an important place, strengthen technical alteration and keep our dominant machine tap on the leading place at domestic cutting tool market. Meanwhile, we take our NC cutters such as carbide deep hole cutters and carbide milling cutters as a new economic rising point of Guanzhong Tool We always keep an open house for our friends at home and abroad to visit our company. We are willing to take a business talk and wish to provide a continuous pattern of growth and profitability for our customers and ourselves.

President of the Board , Secretary of the Party Subcommittee
Gao Pan

目录 Contents

螺纹刀具

THREADING CUTTERS

磨制丝锥 / Ground taps	1
机用丝锥 / Machine taps	22
高性能专用丝锥 / High performance specialized tap	34
圆板牙 / Circular screw dies	40

钻头

DRILLS

锥柄麻花钻 / Twist drills with Morse taper shank	41
直柄麻花钻 / Twist drills with parallel shank	48

铣 铰 刀

MILLS & REAMERS

铣刀 / Milling cutters	57
铰刀 / Reamers	63

枪 钻

GUN DRILLS

枪钻 / Gun drills	66
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硬质合金刀具

HARDMETAL CUTTERS

硬质合金铣/铰刀 / Hard metal mills and reamers	68
硬质合金钻头 / Hard metal drills	77

车 刀

TURNING TOOLS

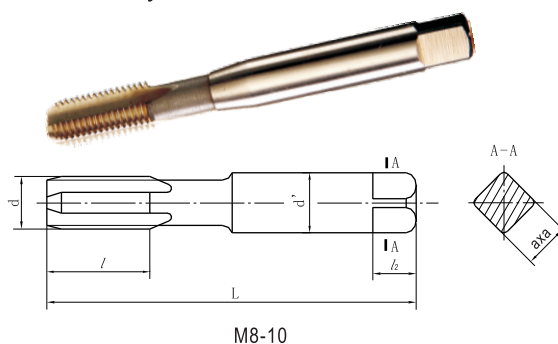
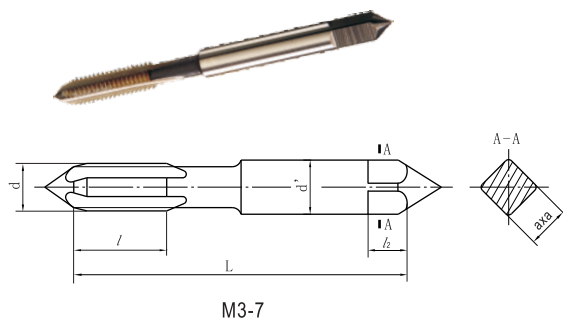
可转位车刀 / Turning tool with indexable inserts	83
高速钢车刀条 / High speed steel tool bits	85

螺纹刀具 THREADING CUTTERS

磨制粗柄带颈机用丝锥 GROUND MACHINE TAPS WITH REINFORCED SHANK

技术标准：GB/T3464.1-2007
 刀具材料：高速钢、高性能高速钢
 精度等级：H1、H2、H3
 订货注明：名称、规格、精度等级
 和刀具材料

Technical standard: GB/T3464.1-2007
 Material:HSS or High performance HSS
 Accuracy class : H1,H2 and H3
 When ordering, please specify the name,
 size , accuracy class and tool material



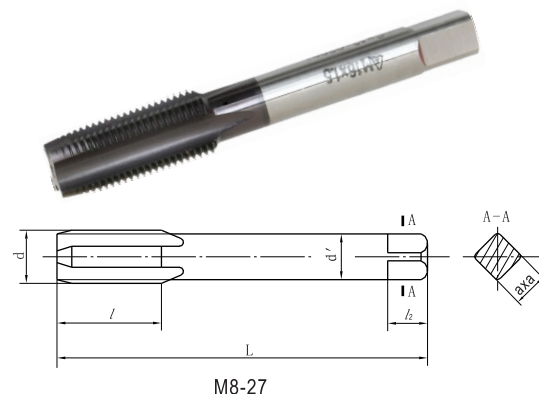
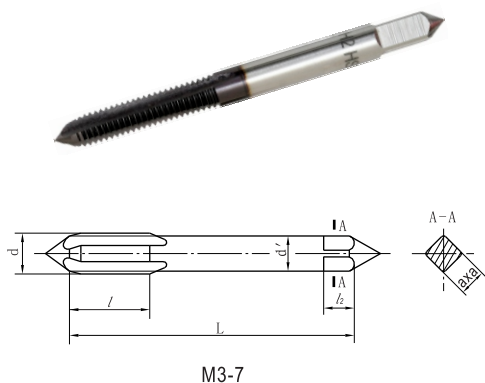
规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M1	1	0.25	38.5	5.5	2.5	2	4
M1.2	1.2	0.25	38.5	5.5	2.5	2	4
M1.4	1.4	0.3	40	7	2.5	2	4
M1.6	1.6	0.35	41	8	2.5	2	4
M1.8	1.8	0.35	41	8	2.5	2	4
M2	2	0.4	41	8	2.5	2	4
M2X0.25	2	0.25	41	8	2.5	2	4
M2.5	2.5	0.45	44.5	9.5	2.8	2.24	5
M2.5X0.35	2.5	0.35	44.5	9.5	2.8	2.24	5
M3	3	0.5	48	11	3.15	2.5	5
M3x0.35	3	0.35	48	11	3.15	2.5	5
M3.5	3.5	0.6	50	13	3.55	2.8	5
M3.5x0.35	3.5	0.35	50	13	3.55	2.8	5
M4	4	0.7	53	13	4.0	3.15	6
M4x0.5	4	0.5	53	13	4.0	3.15	6
M4.5	4.5	0.75	53	13	4.5	3.55	6
M4.5x0.5	4.5	0.5	53	13	3.15	3.55	6
M5	5	0.8	58	16	5.0	4.0	7
M5x0.5	5	0.5	58	16	5.0	4.0	7
M5.5x0.5	5.5	0.5	62	17	5.6	4.5	5
M6	6	1	66	19	6.3	5.0	8
M6x0.75	6	0.75	66	19	6.3	5.0	8
M7	7	1	66	19	7.1	5.6	8
M7x0.75	7	0.75	66	19	7.1	5.6	8
M8	8	1.25	72	22	8.0	6.3	9
M8x0.75	8	0.75	66	19	8.0	6.3	9
M8x1	8	1	72	22	8.0	6.3	9
M9	9	1.25	72	22	9.0	7.1	10
M9x0.75	9	0.75	66	19	9.0	7.1	10
M9x1	9	1	72	22	9.0	7.1	10
M10	10	1.5	80	24	10.0	8.0	11
M10x0.75	10	0.75	73	20	10.0	8.0	11
M10x1	10	1	80	24	10.0	8.0	11
M10x1.25	10	1.25	80	24	10.0	8.0	11

螺纹刀具 THREADING CUTTERS

磨制细柄机用丝锥 GROUND MACHINE TAPS WITH REDUCED SHANK

技术标准：GB/T3464.1-2007
 刀具材料：高速钢、高性能高速钢
 精度等级：H1、H2、H3
 订货注明：名称、规格、精度等级
 和刀具材料

Technical standard: GB/T3464.1-2007
 Material:HSS or High performance HSS
 Accuracy class : H1,H2 and H3
 When ordering, please specify the name,
 size , accuracy class and tool material



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M3	3	0.5	48	11	2.24	1.8	4
M3.5	3.5	0.6	50	13	2.50	2.0	4
M4	4	0.7	53	13	3.15	2.5	5
M4x0.5	4	0.5	53	13	3.15	2.5	5
M4.5	4.5	0.75	53	13	3.55	2.8	5
M4.5x0.5	4.5	0.5	53	13	3.55	2.8	5
M5	5	0.8	58	16	4.0	3.15	6
M5x0.5	5	0.5	58	16	4.0	3.15	6
M5.5x0.5	5.5	0.5	62	17	4.0	3.15	6
M6	6	1	66	19	4.5	3.55	6
M6x0.75	6	0.75	66	19	4.5	3.55	6
M7	7	1	66	19	5.6	4.5	7
M7x0.75	7	0.75	66	19	5.6	4.5	7
M8	8	1.25	72	22	6.3	5.0	8
M8x0.75	8	0.75	66	19	6.3	5.0	8
M8x1	8	1	72	22	6.3	5.0	8
M9	9	1.25	72	22	7.1	5.6	8
M9x0.75	9	0.75	66	19	7.1	5.6	8
M9x1	9	1	72	22	7.1	5.6	8
M10	10	1.5	80	24	8.0	6.3	9
M10x0.75	10	0.75	73	20	8.0	6.3	9
M10x1	10	1	80	24	8.0	6.3	9
M10x1.25	10	1.25	80	24	8.0	6.3	9

螺纹刀具 THREADING CUTTERS

磨制细柄机用丝锥(续表) GROUND MACHINE TAPS WITH REDUCED SHANK

THREADING CUTTERS

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M11	11	1.5	85	25	8.0	6.3	9
M11x0.75	11	0.75	80	22	8.0	6.3	9
M11x1	11	1	85	25	8.0	6.3	9
M12	12	1.75	89	29	9.0	7.1	10
M12x1	12	1	80	22	9.0	7.1	10
M12x1.25	12	1.25	89	29	9.0	7.1	10
M12x1.5	12	1.5	89	29	9.0	7.1	10
M14	14	2	95	30	11.2	9.0	12
M14x1	14	1	87	22	11.2	9.0	12
M14x1.25	14	1.25	95	30	11.2	9.0	12
M14x1.5	14	1.5	95	30	11.2	9.0	12
M15x1.5	15	1.5	95	30	11.2	9.0	12
M16	16	2	102	32	12.5	10.0	13
M16x1	16	1	102	32	12.5	10.0	13
M16x1.5	16	1.5	102	32	12.5	10.0	13
M17x1.5	17	1.5	102	32	12.5	10.0	13
M18	18	2.5	112	37	14.0	11.2	14
M18x1	18	1	97	22	14.0	11.2	14
M18x1.5	18	1.5	112	37	14.0	11.2	14
M18x2	18	2	112	37	14.0	11.2	14
M20	20	2.5	112	37	14.0	11.2	14
M20x1	20	1	102	22	14.0	11.2	14
M20x1.5	20	1.5	112	37	14.0	11.2	14
M20x2	20	2	112	37	14.0	11.2	14
M22	22	2.5	118	38	16.0	12.5	16
M22x1	22	1	109	24	16.0	12.5	16
M22x1.5	22	1.5	118	38	16.0	12.5	16
M22x2	22	2	118	38	16.0	12.5	16
M24	24	3	130	45	18.0	14.0	18
M24x1	24	1	114	24	18.0	14.0	18
M24x1.5	24	1.5	130	45	18.0	14.0	18
M24x2	24	2	130	45	18.0	14.0	18
M25x1.5	25	1.5	130	45	18.0	14.0	18
M25x2	25	2	130	45	18.0	14.0	18
M26x1.5	26	1.5	120	35	18.0	14.0	18
M27	27	3	135	45	20.0	16.0	20
M27x1	27	1	120	25	20.0	16.0	20
M27x1.5	27	1.5	127	37	20.0	16.0	20
M27x2	27	2	127	37	20.0	16.0	20

螺纹刀具 THREADING CUTTERS

磨制螺旋槽丝锥 GROUND SPIRAL-FLUTED MACHINE TAPS

技术标准：GB/T3506-2008

刀具材料：高速钢、高性能高速钢

精度等级：H1、H2、H3

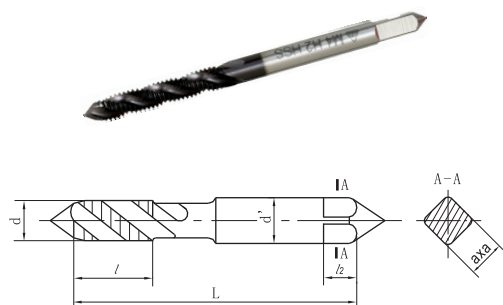
订货注明：名称、规格、精度等级
和刀具材料

Technical standard: GB/T3506-2008

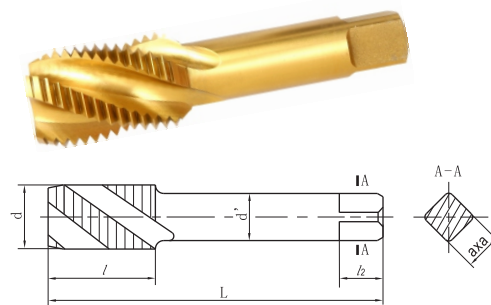
Material:HSS or High performance HSS

Accuracy class : H1,H2 and H3

When ordering, please specify the name,
size , accuracy class and tool material



M3-7



M8-27

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M1	1	0.25	38.5	5.5	2.5	2	4
M1.2	1.2	0.25	38.5	5.5	2.5	2	4
M1.4	1.4	0.3	40	7	2.5	2	4
M1.6	1.6	0.35	41	8	2.5	2	4
M1.8	1.8	0.35	41	8	2.5	2	4
M2	2	0.4	41	8	2.5	2	4
M2X0.25	2	0.25	41	8	2.5	2	4
M2.5	2.5	0.45	44.5	9.5	2.8	2.24	5
M2.5X0.35	2.5	0.35	44.5	9.5	2.8	2.24	5
M3	3	0.5	48	11	3.15	2.5	5
M3.5	3.5	0.6	50	13	3.55	2.8	5
M4	4	0.7	53	13	4.0	3.15	6
M4.5	4.5	0.75	53	13	4.5	3.55	6
M5	5	0.8	58	16	5.0	4.0	7
M6	6	1	66	19	6.3	5.0	8
M7	7	1	66	19	7.1	5.6	8
M8	8	1.25	72	22	6.3	5.0	8
M8x1	8	1	72	22	6.3	5.0	8
M9	9	1.25	72	22	7.1	5.6	8
M9x1	9	1	72	22	7.1	5.6	8
M10	10	1.5	80	24	8.0	6.3	9
M10x1	10	1	76	20	8.0	6.3	9
M10x1.25	10	1.25	80	24	8.0	6.3	9
M11	11	1.5	85	25	8.0	6.3	9
M11x1	11	1	80	22	8.0	6.3	9
M12	12	1.75	89	29	9.0	7.1	10
M12x1	12	1	80	22	9.0	7.1	10
M12x1.25	12	1.25	89	29	9.0	7.1	10
M12x1.5	12	1.5	89	29	9.0	7.1	10

螺纹刀具 THREADING CUTTERS

磨制螺旋槽丝锥(续表) GROUND SPIRAL-FLUTED MACHINE TAPS

THREADING CUTTERS

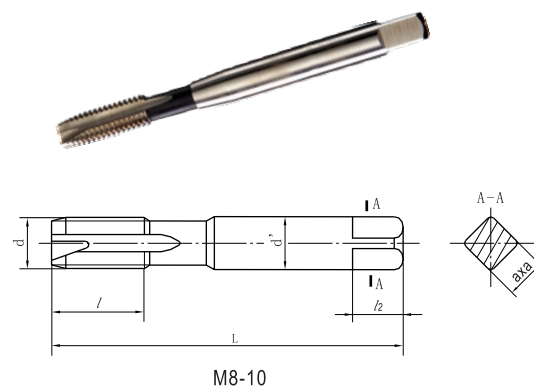
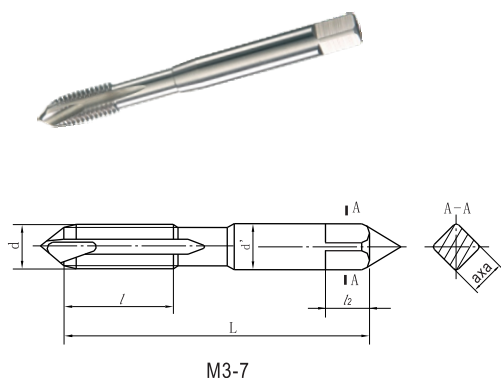
规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M14	14	2	95	30	11.2	9.0	12
M14x1	14	1	87	22	11.2	9.0	12
M14x1.25	14	1.25	95	30	11.2	9.0	12
M14x1.5	14	1.5	95	30	11.2	9.0	12
M15x1.5	15	1.5	95	30	11.2	9.0	12
M16	16	2	102	32	12.5	10.0	13
M16x1	16	1	92	22	12.5	10.0	13
M16x1.5	16	1.5	102	32	12.5	10.0	13
M17x1.5	17	1.5	102	32	12.5	10.0	13
M18	18	2.5	112	37	14.0	11.2	14
M18x1	18	1	97	22	14.0	11.2	14
M18x1.5	18	1.5	112	37	14.0	11.2	14
M18x2	18	2	112	37	14.0	11.2	14
M20	20	2.5	112	37	14.0	11.2	14
M20x1	20	1	102	22	14.0	11.2	14
M20x1.5	20	1.5	112	37	14.0	11.2	14
M20x2	20	2	112	37	14.0	11.2	14
M22	22	2.5	118	38	16.0	12.5	16
M22x1	22	1	109	24	16.0	12.5	16
M22x1.5	22	1.5	118	38	16.0	12.5	16
M22x2	22	2	118	38	16.0	12.5	16
M24	24	3	130	45	18.0	14.0	18
M24x1	24	1	114	24	18.0	14.0	18
M24x1.5	24	1.5	130	38	18.0	14.0	18
M24x2	24	2	130	38	18.0	14.0	18

螺纹刀具 THREADING CUTTERS

磨制粗柄带颈螺尖丝锥 GROUND SPIRAL-POINTED TAPS WITH REINFORCED SHANK

技术标准: GB/T28254 -2012
 刀具材料: 高速钢、高性能高速钢
 精度等级: H1、H2、H3
 订货注明: 名称、规格、精度等级
 和刀具材料

Technical standard: GB/T28254 -2012
 Material:HSS or High performance HSS
 Accuracy class : H1,H2 and H3
 When ordering, please specify the name,
 size , accuracy class and tool material



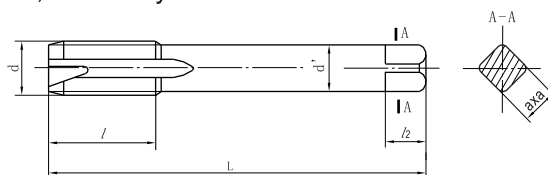
规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M1	1	0.25	38.5	5.5	2.5	2	4
M1.2	1.2	0.25	38.5	5.5	2.5	2	4
M1.4	1.4	0.3	40	7	2.5	2	4
M1.6	1.6	0.35	41	8	2.5	2	4
M1.8	1.8	0.35	41	8	2.5	2	4
M2	2	0.4	41	8	2.5	2	4
M2X0.25	2	0.25	41	8	2.5	2	4
M2.5	2.5	0.45	44.5	9.5	2.8	2.24	5
M2.5X0.35	2.5	0.35	44.5	9.5	2.8	2.24	5
M3	3	0.5	48	11	3.15	2.5	5
M3.5	3.5	0.6	50	13	3.55	2.8	5
M4	4	0.7	53	13	4.0	3.15	6
M4.5	4.5	0.75	53	13	4.5	3.55	6
M5	5	0.8	58	16	5.0	4.0	7
M6	6	1	66	19	6.3	5.0	8
M7	7	1	66	19	7.1	5.6	8
M8	8	1.25	72	22	8.0	8.0	8
M8x1	8	1	69	19	8.0	8.0	8
M9	9	1.25	72	22	9.0	5.6	10
M9x1	9	1	69	19	9.0	5.6	10
M10	10	1.5	80	24	10.0	8.0	11
M10x1	10	1	76	20	10.0	8.0	11
M10x1.25	10	1.25	76	20	10.0	8.0	11

螺纹刀具 THREADING CUTTERS

磨制细柄螺尖丝锥 GROUND SPIRAL-POINTED MACHINE TAPS

技术标准: GB/T28254 -2012
 刀具材料: 高速钢、高性能高速钢
 精度等级: H1、H2、H3
 订货注明: 名称、规格、精度等级
 和刀具材料

Technical standard: GB/T28254 -2012
 Material:HSS or High performance HSS
 Accuracy class : H1,H2 and H3
 When ordering, please specify the name,
 size , accuracy class and tool material



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M8	8	1.25	72	22	6.3	5.0	8
M8x1	8	1	69	19	6.3	5.0	8
M9	9	1.25	72	22	7.1	5.6	8
M9x1	9	1	72	22	7.1	5.6	8
M10	10	1.5	80	24	8.0	6.3	9
M10x1	10	1	76	20	8.0	6.3	9
M10x1.25	10	1.25	80	24	8.0	6.3	9
M11	11	1.5	85	25	8.0	6.3	9
M11x1	11	1	80	22	8.0	6.3	9
M12	12	1.75	89	29	9.0	7.1	10
M12x1	12	1	80	22	9.0	7.1	10
M12x1.25	12	1.25	89	29	9.0	7.1	10
M12x1.5	12	1.5	89	29	9.0	7.1	10
M14	14	2	95	30	11.2	9.0	12
M14x1	14	1	87	22	11.2	9.0	12
M14x1.25	14	1.25	95	30	11.2	9.0	12
M14x1.5	14	1.5	95	30	11.2	9.0	12
M15x1.5	15	1.5	95	30	11.2	9.0	12
M16	16	2	102	32	12.5	10.0	13
M16x1	16	1	92	22	12.5	10.0	13
M16x1.5	16	1.5	102	32	12.5	10.0	13
M17x1.5	17	1.5	102	32	12.5	10.0	13
M18	18	2.5	112	37	14.0	11.2	14
M18x1	18	1	97	22	14.0	11.2	14
M18x1.5	18	1.5	112	37	14.0	11.2	14
M18x2	18	2	112	37	14.0	11.2	14
M20	20	2.5	112	37	14.0	11.2	14
M20x1	20	1	102	22	14.0	11.2	14
M20x1.5	20	1.5	112	37	14.0	11.2	14
M20x2	20	2	112	37	14.0	11.2	14

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M22	22	2.5	118	38	16.0	12.5	16.0
M22x1	22	1	109	24	16.0	12.5	16.0
M22x1.5	22	1.5	118	38	16.0	12.5	16.0
M22x2	22	2	118	38	16.0	12.5	16.0
M24	24	3	130	45	18.0	14.0	18.0
M24x1	24	1	114	24	18.0	14.0	18.0
M24x1.5	24	1.5	130	45	18.0	14.0	18.0
M24x2	24	2	130	45	18.0	14.0	18.0

螺纹刀具 THREADING CUTTERS

磨制粗柄带颈挤压丝锥

GROUND THREAD FORMING TAPS WITH REINFORCED SHANK

技术标准：GB/T 28253-2012

刀具材料：高速钢、高性能高速钢

精度等级：H1、H2、H3

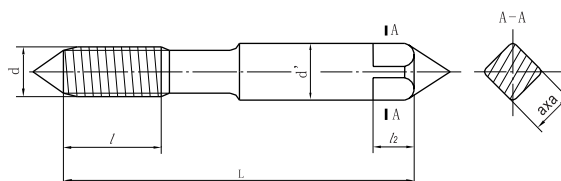
订货注明：名称、规格、精度等级
和刀具材料

Technical standard: GB/T 28253-2012

Material:HSS or High performance HSS

Accuracy class : H1,H2 and H3

When ordering, please specify the name, size ,
accuracy class and tool material



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M1	1	0.25	38.5	5.5	2.5	2	4
M1.2	1.2	0.25	38.5	5.5	2.5	2	4
M1.4	1.4	0.3	40	7	2.5	2	4
M1.6	1.6	0.35	41	8	2.5	2	4
M1.8	1.8	0.35	41	8	2.5	2	4
M2	2	0.4	41	8	2.5	2	4
M2X0.25	2	0.25	41	8	2.5	2	4
M2.5	2.5	0.45	44.5	9.5	2.8	2.24	5
M2.5X0.35	2.5	0.35	44.5	9.5	2.8	2.24	5
M3	3	0.5	48	11	3.15	2.5	5
M3x0.35	3	0.35	48	11	3.15	2.5	5
M3.5	3.5	0.6	50	13	3.55	2.8	5
M3.5x0.35	3.5	0.35	50	13	3.55	2.8	5
M4	4	0.7	53	13	4.0	3.15	6
M4x0.5	4	0.5	53	13	4.0	3.15	6
M4.5	4.5	0.75	53	13	4.5	3.55	6
M4.5x0.35	4.5	0.5	53	13	4.5	3.55	6
M5	5	0.8	58	16	5.0	4.0	7
M5x0.5	5	0.5	58	16	5.0	4.0	7
M5.5	5.5	0.5	62	17	5.6	4.5	7
M6	6	1	66	19	6.3	5.0	8
M6x0.5	6	0.5	66	19	6.3	5.0	8
M6x0.75	6	0.75	66	19	6.3	5.0	8
M7	7	1	66	19	7.1	5.6	8
M7x0.75	7	0.75	66	19	7.1	5.6	8
M8	8	1.25	72	22	8.0	6.3	9
M8x0.5	8	0.5	66	19	8.0	6.3	9
M8x0.75	8	0.75	69	19	8.0	6.3	9
M8x1	8	1	72	22	8.0	6.3	9
M9	9	1.25	72	22	9.0	7.1	10
M9x0.75	9	0.75	66	19	9.0	7.1	10
M9x1	9	1	72	22	9.0	7.1	10
M10	10	1.5	80	24	10.0	8.0	11
M10x0.75	10	0.75	73	20	10.0	8.0	11
M10x1	10	1	80	24	10.0	8.0	11
M10x1.25	10	1.25	80	24	10.0	8.0	11

螺纹刀具 THREADING CUTTERS

磨制细柄挤压丝锥

GROUND THREAD FORMING TAPS WITH REDUCED SHANK

技术标准：GB/T 28253-2012

刀具材料：高速钢、高性能高速钢

精度等级：H1、H2、H3

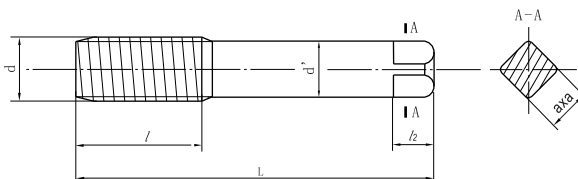
订货注明：名称、规格、精度等级和
刀具材料

Technical standard: GB/T 28253-2012

Material: HSS or High performance HSS

Accuracy class : H1,H2 and H3

When ordering, please specify the name, size , accuracy
class and tool material



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M5	5	0.8	58	16	4.0	3.15	6
M5x0.5	5	0.5	58	16	4.0	3.15	6
M5.5x0.5	5.5	0.5	62	17	4.0	3.15	6
M6	6	1	66	19	4.5	3.55	6
M6x0.75	6	0.75	66	19	4.5	3.55	6
M7	7	1	66	19	5.6	4.5	6
M7x0.75	7	0.75	66	19	5.6	4.5	7
M8	8	1.25	72	22	6.3	5.0	8
M8x0.75	8	0.75	66	19	6.3	5.0	8
M8x1	8	1	72	22	6.3	5.0	8
M9	9	1.25	72	22	7.1	5.6	8
M9x0.75	9	0.75	66	19	7.1	5.6	8
M9x1	9	1	72	22	7.1	5.6	8
M10	10	1.5	80	24	8.0	6.3	8
M10x0.75	10	0.75	73	20	8.0	6.3	9
M10x1	10	1	80	24	8.0	6.3	9
M10x1.25	10	1.25	80	24	8.0	6.3	9
M11	11	1.5	85	25	8.0	6.3	9
M11x0.75	11	0.75	80	22	8.0	6.3	9
M11x1	11	1	80	22	8.0	6.3	9
M12	12	1.75	89	29	9.0	7.1	10
M12x1	12	1	80	22	9.0	7.1	10
M12x1.25	12	1.25	89	29	9.0	7.1	10
M12x1.5	12	1.5	89	29	9.0	7.1	10
M14	14	2	95	30	11.2	9.0	12
M14x1	14	1	87	22	11.2	9.0	12
M14x1.25	14	1.25	90	30	11.2	9.0	12
M14x1.5	14	1.5	95	30	11.2	9.0	12
M15x1.5	15	1.5	95	30	11.2	9.0	12
M16	16	2	102	32	12.5	10.0	13
M16x1.5	16	1.5	102	32	12.5	10.0	13

螺纹刀具 THREADING CUTTERS

德国标准磨制粗柄带颈机用丝锥 DIN STANDARD GROUND MACHINE TAPS WITH REINFORCED SHANK

技术标准: DIN371 (公制)

刀具材料: 高速钢、高性能高速钢

精度等级: 4H、6H、6G

丝锥种类: 粗柄带颈机用丝锥、粗柄带颈
螺旋槽丝锥、粗柄带颈螺尖丝锥 (公制尺寸)

订货注明: 名称、规格、精度等级和
刀具材料

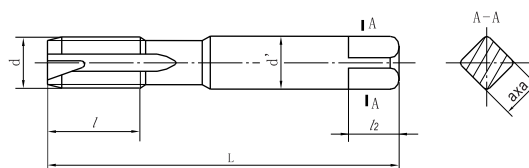
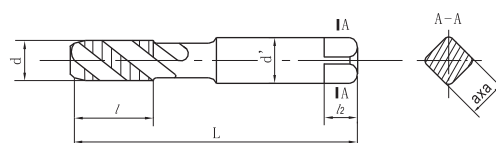
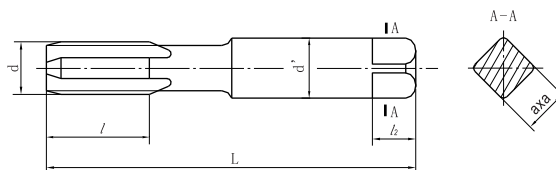
Technical standard: DIN371 (Metric system)

Material: HSS or High performance HSS

Accuracy class : 4H,6 and 6G

Type of taps: Straight_fluted tap with reinforced
shank , spiral_fluted tap with reinforced shank
and spiral_pointed tap with reinforced shank (Metric size)

When ordering, please specify the name ,
accuracy class and tool material



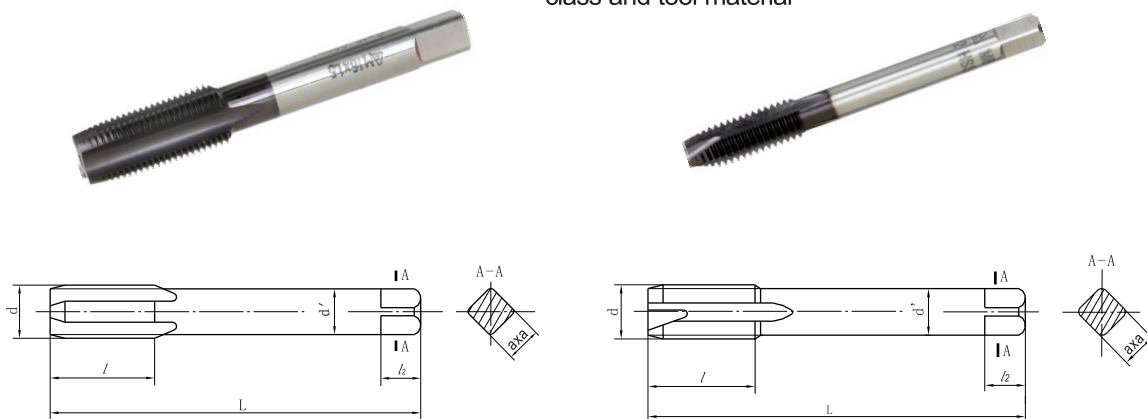
规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M3	3	0.5	56	11	3.5	2.7	6
M3.5	3.5	0.6	56	13	4.0	3.0	6
M4	4	0.7	65	13	4.5	3.4	6
M4.5	4.5	0.75	70	16	6.0	4.9	8
M5	5	0.8	70	16	6.0	4.9	8
M6	6	1	80	19	6.0	4.9	8
M7	7	1	80	19	7.0	5.5	8
M8	8	1.25	90	22	8.0	6.2	9
M9	9	1.25	90	22	9.0	7.0	10
M10	10	1.5	100	24	10.0	8.0	11

螺纹刀具 THREADING CUTTERS

德国标准磨制机用丝锥 DIN STANDARD GROUND MACHINE TAPS

技术标准：DIN352 (公制)
 刀具材料：高速钢、高性能高速钢
 精度等级：4H、6H、6G
 丝锥种类：机用丝锥、螺旋槽丝锥、
 螺尖丝锥（公制尺寸）
 订货注明：名称、规格、精度等级和
 刀具材料

Technical standard: DIN352 (Metric system)
 Material:HSS or High performance HSS
 Accuracy class : 4H,6H and 6G
 Type of taps: Straight-fluted tap ,spiral_fluted tap
 and spiral-pointed tap (Metric size)
 When ordering, please specify the name, size , accuracy
 class and tool material



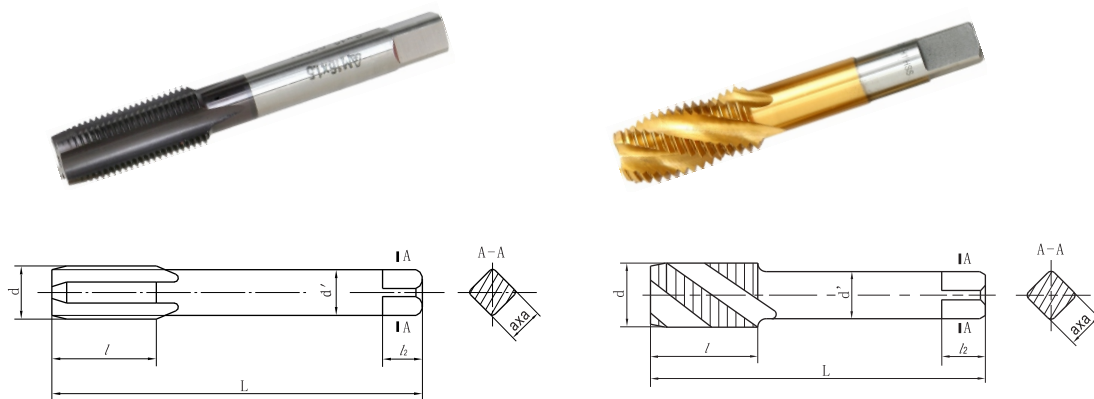
规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M3	3	0.5	40	11	3.5	2.7	6
M3.5	3.5	0.6	45	13	4	3	6
M4	4	0.7	45	13	4	3.4	6
M4.5	4.5	0.75	50	16	6	4.9	8
M5	5	0.8	50	16	6	4.9	8
M6	6	1	50	19	6	4.9	8
M7	7	1	50	19	6	4.9	8
M8	8	1.25	56	22	6	4.9	8
M9	9	1.25	63	22	7	5.5	8
M10	10	1.5	70	24	7	5.5	8
M11	11	1.5	70	24	8	6.2	9
M12	12	1.75	75	29	9	7	10
M14	14	2	80	30	11	9	12
M16	16	2	80	32	12	9	12
M18	18	2.5	95	40	14	11	14
M20	20	2.5	95	40	16	12	15
M22	22	2.5	100	40	18	14.5	17
M24	24	3	110	50	18	14.5	17
M27	27	3	110	50	20	16	19

螺纹刀具 THREADING CUTTERS

日本标准磨制机手用丝锥（公制） JIS STANDARD GROUND MACHINE/HAND TAPS (METRIC SYSTEM)

技术标准：JIS B4430-1987 (公制)
 刀具材料：高速钢、高性能高速钢
 精度等级：1a级、1b级、2级、3级
 丝锥种类：机手用丝锥、螺旋槽丝锥、
 螺尖丝锥（公制尺寸）
 订货注明：名称、规格、精度等级和
 刀具材料

Technical standard: JIS B4430-1987 (Metric system)
 Material:HSS or High performance HSS
 Accuracy class : Class 1a, Class 1b, Class 2 and Class 3
 Type of taps: Machine/hand tap ,spiral-fluted tap
 and spiral-pointed tap (Metric size)
 When ordering, please specify the name, size , accuracy
 class and tool material



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M3	3	0.5	46	18	4	3.2	6
M3x0.35	3	0.35	46	10	4	3.2	6
M3.5	3.5	0.6	48	18	4	3.2	6
M3.5x0.35	3.5	0.35	48	10	4	3.2	6
M4	4	0.7	52	20	5	4	7
M4x0.5	4	0.5	52	15	5	4	7
M4.5	4.5	0.75	55	20	5	4	7
M4.5x0.5	4.5	0.5	52	15	5	4	7
M5	5	0.8	60	22	5.5	4.5	7
M5x0.5	5	0.5	52	15	5.5	4.5	7
M5.5x0.5	5.5	0.5	52	15	5.5	4.5	7
M6	6	1	62	24	6	4.5	7
M6x0.75	6	0.75	62	20	6	4.5	7
M7	7	1	65	26	6.2	5	8
M7x0.75	7	0.75	62	20	6.2	5	8
M8	8	1.25	70	30	6.2	5	8
M8x0.75	8	0.75	62	20	6.2	5	8
M8x1	8	1	70	30	6.2	5	8
M9	9	1.25	72	30	7	5.5	8
M9x0.75	9	0.75	62	20	6.2	5	8
M9x1	9	1	70	30	6.2	5	8

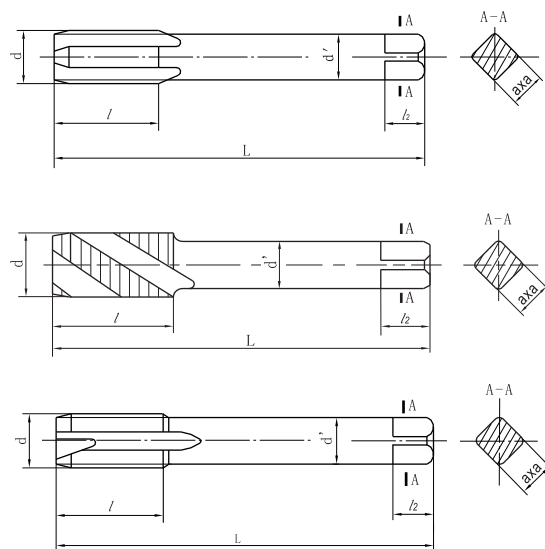
规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M10	10	1.5	75	32	7	5.5	8
M10x0.75	10	0.75	62	20	7	5.5	8
M10x1	10	1	70	30	7	5.5	8
M10x1.25	10	1.25	75	32	7	5.5	8
M11	11	1.5	80	38	8	6	9
M11x1	11	1	70	30	8	6	9
M11x0.75	11	0.75	62	20	8	6	9
M12	12	1.75	82	38	8.5	6.5	9
M12x1.5	12	1.5	82	38	8.5	6.5	9
M12x1.25	12	1.25	80	38	8.5	6.5	9
M12x1	12	1	70	30	8.5	6.5	9
M14	14	2	88	42	10.5	8	11
M14x1.5	14	1.5	88	42	10.5	8	11
M14x1	14	1	70	30	10.5	8	11
M15x1.5	15	1.5	90	42	10.5	8	11
M15x1	15	1	70	30	10.5	8	11
M16x2	16	2	95	45	12.5	10	13
M16x1.5	16	1.5	95	45	12.5	10	13
M16x1	16	1	75	30	12.5	10	13
M17x1.5	17	1.5	95	45	13	10	13
M17x1	17	1	80	30	13	10	13
M18	18	2.5	100	48	14	11	14
M18x2	18	2	95	45	14	11	14
M18x1.5	18	1.5	95	45	14	11	14
M18x1	18	1	80	30	14	11	14
M20	20	2.5	105	50	15	12	15
M20x2	20	2	95	45	15	12	15
M20x1.5	20	1.5	95	45	15	12	15
M20x1	20	1	80	30	15	12	15
M22	22	2.5	115	55	17	13	16
M22x2	22	2	95	45	17	13	16
M22x1.5	22	1.5	95	45	17	13	16
M22x1	22	1	80	30	17	13	16
M24	24	3	120	58	19	15	18
M24x2	24	2	95	45	19	15	18
M24x1.5	24	1.5	95	45	19	15	18
M24x1	24	1	90	30	19	15	18
M25x2	25	2	95	45	19	15	18
M25x1.5	25	1.5	95	45	19	15	18
M25x1	25	1	95	45	19	15	18
M26x1.5	26	1.5	95	30	19	15	18
M27	27	3	130	62	20	15	18
M27x2	27	2	95	45	20	15	18
M27x1.5	27	1.5	95	45	20	15	18
M27x1	27	1	90	30	20	15	18

螺纹刀具 THREADING CUTTERS

美标统一螺纹磨制机用丝锥 ANSI STANDARD UNIFIED THREADS GROUND MACHINE TAPS

技术标准：JB/T8824-2012
 刀具材料：高速钢、高性能高速钢
 精度等级：3B、2B、1B
 丝锥种类：机用丝锥、螺旋槽丝锥、
 螺尖丝锥（统一制）
 订货注明：名称、规格、精度等级和
 刀具材料

Technical standard: JB/T8824-2012
 Material: HSS or High performance HSS
 Accuracy class : 3B, 2B and 1B
 Type of taps: Straight fluted tap, spiral fluted tap
 and spiral pointed tap (Unified size)
 When ordering, please specify the name, size, accuracy
 class and tool material



规格 Designation	公称直径 Nom.Dia	螺距 Pitch	L	l	d'	a	l ₂
No.5-40 UNC	3.175	0.635	48	11	3.15	2.5	5
No.5-44 UNF	3.175	0.577	48	11	3.15	2.5	5
No.6-32 UNC	3.505	0.794	50	13	3.55	2.8	5
No.6-40 UNF	3.505	0.635	50	13	3.55	2.8	5
No.8-32 UNC	4.166	0.794	53	13	4.5	3.55	6
No.8-36 UNF	4.166	0.706	53	13	4.5	3.55	6
No.10-24 UNC	4.826	1.058	58	16	5	4	7
No.10-32 UNF	4.826	0.794	58	16	5	4	7
No.12-24 UNC	5.486	1.058	62	17	5.6	4.5	7
No.12-28 UNF	5.486	0.907	62	17	5.6	4.5	7
1/4-20 UNC	6.350	1.270	66	19	6.3	5	8
1/4-28 UNF	6.350	0.907	66	19	6.3	5	8
5/16-18 UNC	7.938	1.411	72	22	6.3	5	8
5/16-24 UNF	7.938	1.058	69	19	6.3	5	8
3/8-16 UNC	9.525	1.588	80	24	7.1	5.6	8
3/8-24 UNF	9.525	1.058	76	20	7.1	5.6	8
7/16-14 UNC	11.112	1.814	85	25	8	6.3	9
7/16-20 UNF	11.112	1.270	82	22	8	6.3	9

螺纹刀具 THREADING CUTTERS

美标统一螺纹磨制机用丝锥 (续表)

ANSI STANDARD UNIFIED THREADS GROUND MACHINE TAPS

规格 Designation	公称直径 Nom. Dia	螺距 Pitch	L	l	d'	a	l ₂
1/2-13 UNC	12.700	1.954	89	29	9	7.1	10
1/2-20 UNF	12.700	1.270	84	24	9	7.1	10
9/16-12 UNC	14.288	2.117	95	30	11.2	9	12
9/16-18 UNF	14.288	1.411	90	25	11.2	9	12
5/8-11 UNC	15.875	2.309	102	32	12.5	10	13
5/8-18 UNF	15.875	1.411	95	25	12.5	10	13
3/4-10 UNC	19.050	2.540	112	37	14	11.2	14
3/4-16 UNF	19.050	1.588	104	29	14	11.2	14
7/8-9 UNC	22.225	2.822	118	38	16	12.5	16
7/8-14 UNF	22.225	1.814	113	33	16	12.5	16
1-8 UNC	25.400	3.175	130	45	18	14	18
1-12 UNF	25.400	2.117	120	35	18	14	18

螺纹刀具 THREADING CUTTERS

60° 圆锥管螺纹丝锥 (NPT)

60° TAPER PIPE THREAD TAPS (NPT)

技术标准：JB/T 8364.2-2010

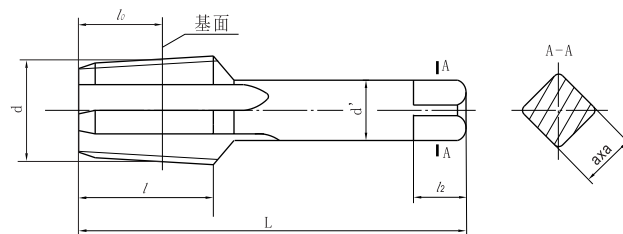
刀具材料：高速钢

订货注明：名称、规格

Technical standard: JB/T 8364.2-2010

Material: High-speed Steel

When ordering, please specify the name and size



规格 Designation	每吋牙数 TPI	L	l	l ₀	d'	a	l ₂
1/8	27	54	19	11	8.0	6.3	9
1/4	18	62	27	16	11.2	9.0	12
3/8	18	65	27	16	14.0	11.2	14
1/2	14	79	35	21	18.0	14.0	18
3/4	14	83	35	21	22.4	18.0	22
1"	11.5	95	44	26	28.0	22.4	26
1-1/4	11.5	102	44	27	35.5	28.0	31
1-1/2	11.5	108	44	27	40.0	31.5	34
2"	11.5	114	44	28	50.0	40.0	42

螺纹刀具 THREADING CUTTERS

55° 圆柱管螺纹丝锥 (G) 55° STRAIGHT PIPE THREAD TAPS (G)

技术标准: GB/T20333-2006

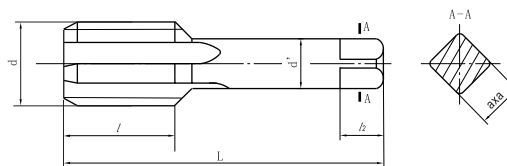
刀具材料: 高速钢

订货注明: 名称、规格

Technical standard: GB/T20333-2006

Material: High-speed Steel

When ordering, please specify the name and size



规格 Designation	每吋牙数 TPI	L	l	d'	a	l ₂
1/8	28	59	15	8.0	6.3	9
1/4	19	67	19	10.0	8.0	11
3/8	19	75	21	12.5	10.0	13
1/2	14	87	26	16.0	12.5	16
5/8	14	91	26	18.0	14.0	18
3/4	14	96	28	20.0	16.0	20
7/8	14	102	29	22.4	18.0	22
1"	11	109	33	25.0	20.0	24
1-1/8	11	116	34	28.0	22.4	26
1-1/4	11	119	36	31.5	25.0	28
1-1/2	11	125	37	35.5	28.0	31
1-3/4	11	132	39	35.5	28.0	31
2"	11	140	41	40.0	31.5	34

螺纹刀具 THREADING CUTTERS

55° 圆锥管螺纹丝锥 (Rc) 55° TAPER PIPE THREAD TAPS (Rc)

技术标准: GB/T20333-2006

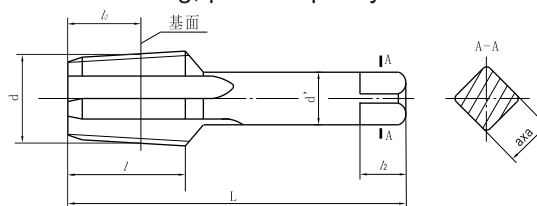
刀具材料: 高速钢

订货注明: 名称、规格

Technical standard: GB/T20333-2006

Material: High-speed Steel

When ordering, please specify the name and size



规格 Designation	每吋牙数 TPI	L	l	l ₀	d'	a	l ₂
1/8	28	59	15	10.1	8.0	6.3	9
1/4	19	67	19	15.0	10.0	8.0	11
3/8	19	75	21	15.4	12.5	10.0	13
1/2	14	87	26	20.5	16.0	12.5	15
3/4	14	96	28	21.8	20.0	16.0	20
1"	11	109	33	26.0	25.0	20.0	24
1-1/4	11	119	36	28.3	31.0	25.0	28
1-1/2	11	125	37	28.3	35.5	28.0	31
2"	11	140	41	32.7	40.0	31.5	34

螺纹刀具 THREADING CUTTERS

钢丝螺套丝锥 STI TAPS

技术标准: HB4242-2004

刀具材料: 高速钢

精度等级: H1、H2、H3

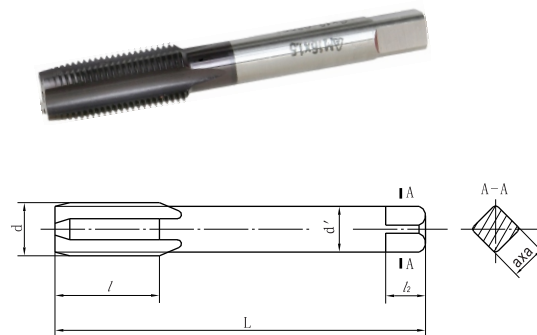
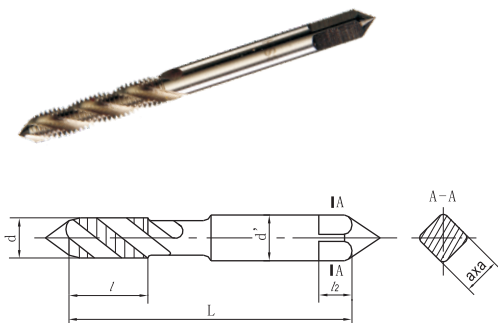
订货注明: 名称、规格、精度等级

Technical standard: HB4242-2004

Material: High-speed Steel

Accuracy class : H1, H2 and H3

When ordering, please specify the name, size and accuracy class



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
ST3	3	0.5	50	13	4.0	3.15	6
ST4	4	0.7	58	16	5.6	4.50	7
ST5	5	0.8	66	19	6.3	5.00	8
ST6	6	1	72	22	5.6	4.50	7
ST7	7	1	72	22	6.3	5.00	8
ST8	8	1.25	80	24	8.0	6.30	9
ST8x1	8	1	80	24	8.0	6.30	9
ST10	10	1.5	89	29	9.0	7.10	10
ST10x1	10	1	89	29	9.0	7.10	10
ST12	12	1.75	95	30	11.2	9.00	12
ST12x1.5	12	1.5	95	30	11.2	9.00	12
ST14	14	2	102	32	12.5	10.00	13
ST14x1.5	14	1.5	102	32	12.5	10.00	13
ST16	16	2	112	37	14.0	11.20	14
ST16x1.5	16	1.5	112	37	14.0	11.20	14
ST18	18	2.5	118	38	14.0	11.20	14
ST18x1.5	18	1.5	112	37	14.0	11.20	14
ST20	20	2.5	130	38	16.0	12.50	16
ST20x1.5	20	1.5	118	38	16.0	12.50	16

螺纹刀具 THREADING CUTTERS

跳牙丝锥 INTERRUPTED TAPS

技术标准: GB/T3464.1-2007

刀具材料: 高速钢

精度等级: H1、H2、H3

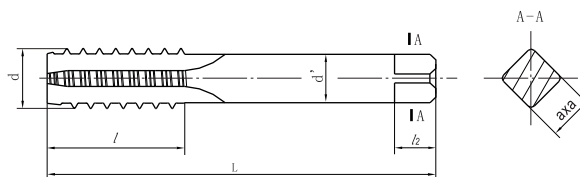
订货注明: 名称、规格、精度等级

Technical standard: GB/T3464.1-2007

Material: High-speed Steel

Accuracy class : H1, H2 and H3

When ordering, please specify the name, size and accuracy class



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M8	8	1.25	72	22	6.3	5	8
M8x0.75	8	0.75	66	19	6.3	5	8
M8x1	8	1	69	19	6.3	5	8
M9	9	1.25	72	22	7.1	5.6	8
M9x0.75	9	0.75	66	19	7.1	5.6	8
M9x1	9	1	69	19	7.1	5.6	8
M10	10	1.5	80	24	8	6.3	9
M10x0.75	10	0.75	73	20	8	6.3	9
M10x1	10	1	76	20	8	6.3	9
M10x1.25	10	1.25	76	20	8	6.3	9
M11x1	11	1	80	22	9	6.3	9
M12	12	1.75	89	29	9	7.1	10
M12x1	12	1	80	22	9	7.1	10
M12x1.25	12	1.25	84	24	9	7.1	10
M12x1.5	12	1.5	89	29	9	7.1	10
M14	14	2	95	30	11.2	9	12
M14x1	14	1	87	22	11.2	9	12
M14x1.25	14	1.25	90	25	11.2	9	12
M14x1.5	14	1.5	95	30	11.2	9	12
M16	16	2	102	32	12.5	10	13
M16x1	16	1	92	22	12.5	10	13
M16x1.5	16	1.5	102	32	12.5	10	13
M18	18	2.5	112	37	14	11.2	14
M18x1	18	1	97	22	14	11.2	14
M18x1.5	18	1.5	104	29	14	11.2	14
M18x2	18	2	112	37	14	11.2	14

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M20	20	2.5	112	37	14	11.2	14
M20x1	20	1	102	22	14	11.2	14
M20x1.5	20	1.5	104	29	14	11.2	14
M20x2	20	2	112	37	14	11.2	14
M22	22	2.5	118	38	16	12.5	16
M22x1	22	1	109	24	16	12.5	16
M22x1.5	22	1.5	113	33	16	12.5	16
M22x2	22	2	118	38	16	12.5	16
M24	24	3	130	45	18	14	18
M24x1	24	1	114	24	18	14	18
M24x1.5	24	1.5	120	40	18	14	18
M24x2	24	2	120	40	18	14	18
M27	27	3	135	45	20	16	20
M27x1	27	1	120	25	20	16	20
M27x1.5	27	1.5	127	37	20	16	20
M27x2	27	2	127	37	20	16	20
M30	30	3.5	138	48	20	16	20
M30x1	30	1	120	25	20	16	20
M30x1.5	30	1.5	127	37	20	16	20
M30x2	30	2	127	37	20	16	20
M30x3	30	3	138	48	20	16	20
M33	33	3.5	151	51	22.4	18	22
M33x1.5	33	1.5	137	37	22.4	18	22
M33x2	33	2	137	37	22.4	18	22
M33x3	33	3	151	51	22.4	18	22
M36	36	4	162	57	25	20	24
M36x1.5	36	1.5	144	39	25	20	24
M36x2	36	2	144	39	25	20	24
M36x3	36	3	162	57	25	20	24
M39	39	4	170	60	28	22.4	26
M39x1.5	39	1.5	149	39	28	22.4	26
M39x2	39	2	149	39	28	22.4	26
M39x3	39	3	170	60	28	22.4	26
M42	42	4.5	170	60	28	22.4	26
M42x1.5	42	1.5	149	39	28	22.4	26
M42x2	42	2	149	39	28	22.4	26
M42x3	42	3	170	60	28	22.4	26
M42x4	42	4	170	60	28	22.4	26

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M45	45	4.5	187	67	31.5	25	28
M45x1.5	45	1.5	165	45	31.5	25	28
M45x2	45	2	165	45	31.5	25	28
M45x3	45	3	187	67	31.5	25	28
M45x4	45	4	187	67	31.5	25	28
M48	48	5	187	67	31.5	25	28
M48x1.5	48	1.5	165	45	31.5	25	28
M48x2	48	2	165	45	31.5	25	28
M48x3	48	3	187	67	31.5	25	28
M48x4	48	4	187	67	31.5	25	28
M52	52	5	200	70	35.5	28	31
M52x1.5	52	1.5	175	45	35.5	28	31
M52x2	52	2	175	45	35.5	28	31
M52x3	52	3	200	70	35.5	28	31
M52x4	52	4	200	70	35.5	28	31

螺纹刀具 THREADING CUTTERS

粗柄带颈机用丝锥 MACHINE TAPS WITH REINFORCED SHANK

技术标准：GB/T3464.1-2007

刀具材料：高速钢

精度等级：H1、H2、H3

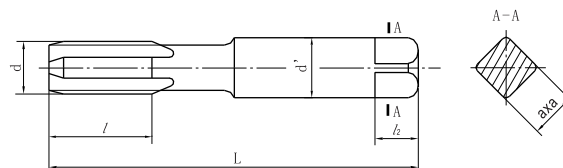
订货注明：名称、规格、精度等级

Technical standard: GB/T3464.1-2007

Material: High-speed Steel

Accuracy class : H1,H2 and H3

When ordering, please specify the name, size and accuracy class



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M1.4	1.4	0.3	40	7	2.5	2.0	4
M1.6	1.6	0.35	41	8	2.5	2.0	4
M1.8	1.8	0.35	41	8	2.5	2.0	4
M2	2	0.4	44.5	8	2.5	2.24	4
M2.2	2.2	0.45	44.5	9.5	2.8	2.24	5
M2.5	2.5	0.45	48	9.5	2.8	2.24	5
M3	3	0.5	48	11	3.15	2.5	5
M3x0.35	3	0.35	48	11	3.15	2.5	5
M3.5	3.5	0.6	50	13	3.55	2.8	5
M3.5x0.35	3.5	0.35	50	13	3.55	2.8	5
M4	4	0.7	53	13	4	3.15	6
M4x0.5	4	0.5	53	13	4	3.15	6
M4.5	4.5	0.75	53	13	4.5	3.55	6
M4.5x0.5	4.5	0.5	53	13	4.5	3.55	6
M5	5	0.8	58	16	5	4	7
M5x0.5	5	0.5	58	16	5	4	7
M5.5x0.5	5.5	0.5	62	17	5.6	4.5	7
M6	6	1	66	19	6.3	5	8
M6x0.75	6	0.75	66	19	6.3	5	8
M7	7	1	66	19	7.1	5.6	8
M7x0.75	7	0.75	66	19	7.1	5.6	8
M8	8	1.25	72	22	8	6.3	9
M8x0.75	8	0.75	66	19	8	6.3	9
M8x1	8	1	72	22	8	6.3	9
M9	9	1.25	72	22	9	7.1	10
M9x0.75	9	0.75	66	19	9	7.1	10
M9x1	9	1	72	22	9	7.1	10
M10	10	1.5	80	24	10	8	11
M10x0.75	10	0.75	73	20	10	8	11
M10x1	10	1	80	24	10	8	11
M10x1.25	10	1.25	80	24	10	8	11

螺纹刀具 THREADING CUTTERS

细柄机用丝锥 MACHINE TAPS WITH REDUCED SHANK

技术标准：GB/T3464.1-2007

刀具材料：高速钢

精度等级：H1、H2、H3

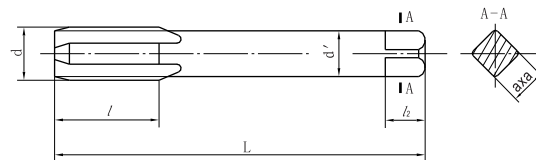
订货注明：名称、规格、精度等级

Technical standard: GB/T3464.1-2007

Material: High-speed Steel

Accuracy class : H1,H2 and H3

When ordering, please specify the name, size and accuracy class



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M3	3	0.5	48	11	2.24	1.8	4
M3.5	3.5	0.6	50	13	2.50	2	4
M4	4	0.7	53	13	3.15	2.5	5
M4x0.5	4	0.5	53	13	3.15	2.5	5
M4.5	4.5	0.75	53	13	3.55	2.8	5
M4.5x0.5	4.5	0.5	53	13	3.55	2.8	5
M5	5	0.8	58	16	4	3.15	6
M5x0.5	5	0.5	58	16	4	3.15	6
M5.5x0.5	5.5	0.5	62	17	4	3.15	6
M6	6	1	66	19	4.5	3.55	6
M6x0.75	6	0.75	66	19	4.5	3.55	6
M7	7	1	66	19	5.6	4.5	7
M7x0.75	7	0.75	66	19	5.6	4.5	7
M8	8	1.25	72	22	6.3	5	8
M8x0.75	8	0.75	66	19	6.3	5	8
M8x1	8	1	72	22	6.3	5	8
M9	9	1.25	72	22	7.1	5.6	8
M9x0.75	9	0.75	66	19	7.1	5.6	8
M9x1	9	1	72	22	7.1	5.6	8
M10	10	1.5	80	24	8	6.3	9
M10x0.75	10	0.75	73	20	8	6.3	9
M10x1	10	1	80	24	8	6.3	9
M10x1.25	10	1.25	80	24	8	6.3	9
M11x1	11	1	80	22	8	6.3	9
M12	12	1.75	89	29	9	7.1	10
M12x1	12	1	80	22	9	7.1	10
M12x1.25	12	1.25	89	29	9	7.1	10
M12x1.5	12	1.5	89	29	9	7.1	10
M14	14	2	95	30	11.2	9	12
M14x1	14	1	87	22	11.2	9	12
M14x1.25	14	1.25	95	30	11.2	9	12
M14x1.5	14	1.5	95	30	11.2	9	12

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M15x1.5	15	1.5	95	30	11.2	9	12
M16	16	2	102	32	12.5	10	13
M16x1	16	1	92	22	12.5	10	13
M16x1.5	16	1.5	102	32	12.5	10	13
M17x1.5	17	1.5	102	32	12.5	10	13
M18	18	2.5	112	37	14	11.2	14
M18x1	18	1	97	22	14	11.2	14
M18x1.5	18	1.5	112	37	14	11.2	14
M18x2	18	2	112	37	14	11.2	14
M20	20	2.5	112	37	14	11.2	14
M20x1	20	1	102	22	14	11.2	14
M20x1.5	20	1.5	112	37	14	11.2	14
M20x2	20	2	112	37	14	11.2	14
M22	22	2.5	118	38	16	12.5	16
M22x1	22	1	109	24	16	12.5	16
M22x1.5	22	1.5	118	38	16	12.5	16
M22x2	22	2	118	38	16	12.5	16
M24	24	3	130	45	18	14	18
M24x1	24	1	114	24	18	14	18
M24x1.5	24	1.5	130	45	18	14	18
M24x2	24	2	130	45	18	14	18
M25x1.5	25	1.5	120	35	18	14	18
M25x2	25	2	120	35	18	14	18
M26x1.5	26	1.5	120	35	18	14	18
M27	27	3	135	45	20	16	20
M27x1	27	1	120	25	20	16	20
M27x1.5	27	1.5	127	37	20	16	20
M27x2	27	2	127	37	20	16	20
M28x1	28	1	120	25	20	16	20
M28x1.5	28	1.5	127	37	20	16	20
M28x2	28	2	127	37	20	16	20
M30	30	3.5	138	48	20	16	20
M30x1	30	1	120	25	20	16	20
M30x1.5	30	1.5	127	37	20	16	20
M30x2	30	2	127	37	20	16	20
M30x3	30	3	138	48	20	16	20
M32x1.5	32	1.5	137	37	22.4	18	22
M32x2	32	2	137	37	22.4	18	22
M33	33	3.5	151	51	22.4	18	22
M33x1.5	33	1.5	137	37	22.4	18	22
M33x2	33	2	137	37	22.4	18	22
M33x3	33	3	151	51	22.4	18	22
M35x1.5	35	1.5	144	39	25	20	24
M36	36	4	162	57	25	20	24
M36x1.5	36	1.5	144	39	25	20	24
M36x2	36	2	144	39	25	20	24
M36x3	36	3	162	57	25	20	24
M38x1.5	38	1.5	149	39	28	22.4	26

螺纹刀具 THREADING CUTTERS

细柄机用丝锥(续表) MACHINE TAPS WITH REDUCED SHANK

THREADING CUTTERS

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M39	39	4	170	60	28	22.4	26
M39x1.5	39	1.5	149	39	28	22.4	26
M39x2	39	2	149	39	28	22.4	26
M39x3	39	3	170	60	28	22.4	26
M40x1.5	40	1.5	149	39	28	22.4	26
M40x2	40	2	149	39	28	22.4	26
M40x3	40	3	170	60	28	22.4	26
M42	42	4.5	170	60	28	22.4	26
M42x1.5	42	1.5	149	39	28	22.4	26
M42x2	42	2	149	39	28	22.4	26
M42x3	42	3	170	60	28	22.4	26
M42x4	42	4	170	60	28	22.4	26
M45	45	4.5	187	67	31.5	25	28
M45x1.5	45	1.5	165	45	31.5	25	28
M45x2	45	2	165	45	31.5	25	28
M45x3	45	3	187	67	31.5	25	28
M45x4	45	4	187	67	31.5	25	28
M48	48	5	187	67	31.5	25	28
M48x1.5	48	1.5	165	45	31.5	25	28
M48x2	48	2	165	45	31.5	25	28
M48x3	48	3	187	67	31.5	25	28
M48x4	48	4	187	67	31.5	25	28
M50x1.5	50	1.5	165	45	31.5	25	28
M50x2	50	2	165	45	31.5	25	28
M50x3	50	3	187	67	31.5	25	28
M52	52	5	200	70	35.5	28	31
M52x1.5	52	1.5	175	45	35.5	28	31
M52x2	52	2	175	45	35.5	28	31
M52x3	52	3	200	70	35.5	28	31
M52x4	52	4	200	70	35.5	28	31
M55x1.5	55	1.5	175	45	35.5	28	31
M55x2	55	2	175	45	35.5	28	31
M55x3	55	3	200	70	35.5	28	31
M55x4	55	4	200	70	35.5	28	31
M56x1.5	56	1.5	175	45	35.5	28	31
M56x2	56	2	175	45	35.5	28	31
M56x3	56	3	200	70	35.5	28	31
M56x4	56	4	200	70	35.5	28	31
M58x1.5	58	1.5	193	76	40	31.5	34
M58x2	58	2	193	76	40	31.5	34
M58x3	58	3	209	76	40	31.5	34
M58x4	58	4	209	76	40	31.5	34
M60x1.5	60	1.5	193	76	40	31.5	34
M60x2	60	2	193	76	40	31.5	34
M60x3	60	3	209	76	40	31.5	34
M60x4	60	4	209	76	40	31.5	34
M62x1.5	62	1.5	193	76	40	31.5	34
M62x2	62	2	193	76	40	31.5	34

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M60x3	60	3	209	76	40	31.5	34
M60x4	60	4	209	76	40	31.5	34
M62x1.5	62	1.5	193	76	40	31.5	34
M62x2	62	2	193	76	40	31.5	34
M62x3	62	3	209	76	40	31.5	34
M62x4	62	4	209	76	40	31.5	34
M64x1.5	64	1.5	193	79	40	31.5	34
M64x2	64	2	193	79	40	31.5	34
M64x3	64	3	209	79	40	31.5	34
M64x4	64	4	209	79	40	31.5	34
M65x1.5	65	1.5	193	79	40	31.5	34
M65x2	65	2	193	79	40	31.5	34
M65x3	65	3	209	79	40	31.5	34
M65x4	65	4	209	79	40	31.5	34
M68x1.5	68	1.5	203	79	45	35.5	38
M68x2	68	2	203	79	45	35.5	38
M68x3	68	3	219	79	45	35.5	38
M68x4	68	4	219	79	45	35.5	38
M70x1.5	70	1.5	203	79	45	35.5	38
M70x2	70	2	203	79	45	35.5	38
M70x3	70	3	219	79	45	35.5	38
M70x4	70	4	219	79	45	35.5	38
M70x6	70	6	234	79	45	35.5	38
M72x1.5	72	1.5	203	79	45	35.5	38
M72x2	72	2	203	79	45	35.5	38
M72x3	72	3	219	79	45	35.5	38
M72x4	72	4	219	79	45	35.5	38
M72x6	72	6	234	79	45	35.5	38
M75x1.5	75	1.5	203	79	45	35.5	38
M75x2	75	2	203	79	45	35.5	38
M75x3	75	3	219	79	45	35.5	38
M75x4	75	4	219	79	45	35.5	38
M75x6	75	6	234	79	45	35.5	38
M76x1.5	76	1.5	226	83	50	40	42
M76x2	76	2	226	83	50	40	42
M76x3	76	3	242	83	50	40	42
M76x4	76	4	242	83	50	40	42
M76x6	76	6	258	83	50	40	42
M78x2	78	2	226	83	50	40	42
M80x1.5	80	1.5	226	83	50	40	42
M80x2	80	2	226	83	50	40	42
M80x3	80	3	242	83	50	40	42
M80x4	80	4	242	83	50	40	42
M80x6	80	6	258	83	50	40	42
M82x2	82	2	226	86	50	40	42
M85x2	85	2	226	86	50	40	42
M85x3	85	3	242	86	50	40	42
M85x4	85	4	242	86	50	40	42
M85x6	85	6	261	86	50	40	42

螺纹刀具 THREADING CUTTERS

细柄机用丝锥(续表) MACHINE TAPS WITH REDUCED SHANK

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M90x2	90	2	226	86	50	40	42
M90x3	90	3	242	86	50	40	42
M90x4	90	4	242	86	50	40	42
M90x6	90	6	261	86	50	40	42
M95x2	95	2	244	89	56	45	46
M95x3	95	3	260	89	56	45	46
M95x4	95	4	260	89	56	45	46
M95x6	95	6	279	89	56	45	46
M100x2	100	2	244	89	56	45	46
M100x3	100	3	260	89	56	45	46
M100x4	100	4	260	89	56	45	46
M100x6	100	6	279	89	56	45	46

螺纹刀具 THREADING CUTTERS

长柄螺母丝锥 NUT TAPS WITH LONG SHANK

技术标准: GB/T 28257-2012

刀具材料: 高速钢

精度等级: H1、H2、H3

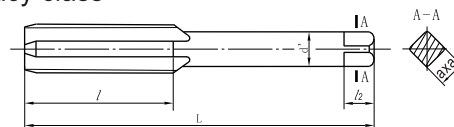
订货注明: 名称、规格、精度等级

Technical standard: GB/T 28257-2012

Material: High-speed Steel

Accuracy class : H1,H2 and H3

When ordering, please specify the name, size and accuracy class



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M4	4	0.7	100	21	3.15	2.5	5
M5	5	0.8	110	24	4	3.15	6
M6	6	1	120	30	4.5	3.55	6
M8	8	1.25	140	36	6.3	5	8
M10	10	1.5	160	40	8	6.3	9
M12	12	1.75	180	45	9	7.1	10
M14	14	2	190	50	11.2	9	12
M16	16	2	200	50	12.5	10	13
M18	18	2.5	200	60	14	11.2	14
M20	20	2.5	220	60	14	11.2	14
M22	22	2.5	220	60	16	12.5	16
M24	24	3	250	72	18	14	18
M27	27	3	250	72	20	16	20
M30	30	3.5	280	84	20	16	20
M33	33	3.5	280	84	22.4	18	22
M36	36	4	280	80	25	20	24
M39	39	4	280	80	28	22.4	26
M42	42	4.5	280	80	28	22.4	26
M45	45	4.5	280	80	31.5	25	28
M48	48	5	280	80	31.5	25	28
M52	52	5	280	80	35.5	28	31

螺纹刀具 THREADING CUTTERS

机用丝锥 MACHINE TAPS

技术标准：GB966-67

刀具材料：高速钢

精度等级：1级、2级、2a级、3a级

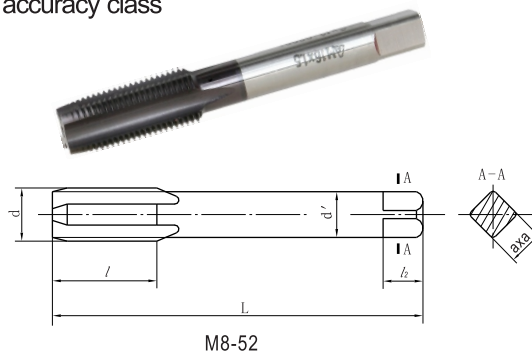
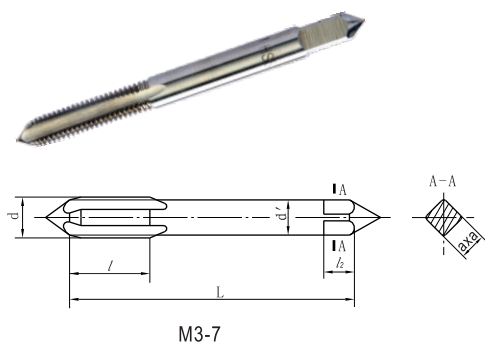
订货注明：名称、规格、精度等级

Technical standard: GB966-67

Material: High-speed Steel

Accuracy class : Class 1, Class 2, Class 2a and Class 3a

When ordering, please specify the name, size and accuracy class



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M1.4	1.4	0.3	28	8	2.0	1.6	4
M1.6	1.6	0.35	32	10	2.0	1.6	4
M1.8	1.8	0.35	32	10	2.0	1.6	4
M2	2	0.4	36	12	3.0	2.4	5
M2.2	2.2	0.45	36	12	3.0	2.4	5
M2.5	2.5	0.45	36	14	3.0	2.4	5
M3	3	0.5	40	14	4.0	3.0	6
M3.5	3.5	0.6	40	14	4.0	3.0	6
M4	4	0.7	45	16	4.0	3.0	6
M4x0.5	4	0.35	45	14	4.0	3.0	6
M4.5	4.5	0.7	45	14	4.5	3.4	6
M4.5x0.5	4.5	0.5	50	18	5	3.8	7
M5	5	0.8	50	16	5	3.8	7
M5x0.5	5	0.5	50	16	5	3.8	7
M6	6	1	55	20	5.5	4.3	7
M6x0.75	6	0.75	50	18	5.5	4.3	7
M7	7	1	55	20	5.5	4.3	7
M7x0.75	7	0.75	50	18	5.5	4.3	7
M8	8	1.25	65	25	6.0	4.9	8
M8x0.75	8	0.75	60	20	6.0	4.9	8
M8x1	8	1	60	20	6.0	4.9	8
M9	9	1.25	65	25	7	5.5	8
M9x0.75	9	0.75	60	20	7	5.5	8
M9x1	9	1	60	20	7	5.5	8
M10	10	1.5	70	25	8	6.2	9
M10x0.75	10	0.75	65	22	8	6.2	9
M10x1	10	1	65	22	8	6.2	9
M10x1.25	10	1.25	65	22	8	6.2	9
M11	11	1.5	70	25	9.0	7	10
M11x0.75	11	0.75	65	22	9.0	7	10
M11x1	11	1	65	22	9.0	7	10

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	<i>l</i>	d'	a	<i>l</i> ₂
M12	12	1.75	80	30	9.0	7	10
M12x1	12	1	70	25	9.0	7	10
M12x1.25	12	1.25	70	25	9.0	7	10
M12x1.5	12	1.5	70	25	9.0	7	10
M14	14	2	90	35	11	8	11
M14x1	14	1	70	25	11	8	11
M14x1.25	14	1.25	70	25	11	8	11
M14x1.5	14	1.5	70	25	11	8	11
M16	16	2	90	35	13	10	13
M16x1	16	1	80	28	13	10	13
M16x1.5	16	1.5	80	28	13	10	13
M18	18	2.5	100	40	14	11	14
M18x1	18	1	90	32	14	11	14
M18x1.5	18	1.5	90	32	14	11	14
M18x2	18	2	90	32	14	11	14
M20	20	2.5	100	40	16	12	15
M20x1	20	1	90	32	16	12	15
M20x1.5	20	1.5	90	32	16	12	15
M20x2	20	2	90	32	16	12	15
M22	22	2.5	110	40	18	14.5	17
M22x1	22	1	90	32	18	14.5	17
M22x1.5	22	1.5	90	32	18	14.5	17
M22x2	22	2	90	32	18	14.5	17
M24	24	3	120	45	20	16	19
M24x1	24	1	95	32	20	16	19
M24x1.5	24	1.5	95	32	20	16	19
M24x2	24	2	95	32	20	16	19
M27	27	3	120	45	22	18	21
M27x1	27	1	95	32	22	18	21
M27x1.5	27	1.5	95	32	22	18	21
M27x2	27	2	95	32	22	18	21
M30	30	3.5	130	50	24	18	21
M30x1	30	1	105	36	24	18	21
M30x1.5	30	1.5	105	36	24	18	21
M30x2	30	2	105	36	24	18	21
M33	33	3.5	130	50	26	20	23
M33x1.5	33	1.5	115	40	26	20	23
M33x2	33	2	115	40	26	20	23
M36	36	4	145	55	28	22	25
M36x1.5	36	1.5	125	45	28	22	25
M36x2	36	2	125	45	28	22	25
M36x3	36	3	125	45	28	22	25
M39	39	4	145	55	32	24	27
M39x1.5	39	1.5	130	45	32	24	27
M39x2	39	2	130	45	32	24	27
M39x3	39	3	130	45	32	24	27

螺纹刀具 THREADING CUTTERS

机用丝锥 (续表) MACHINE TAPS

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M42	42	4.5	160	60	34	26	29
M42x1.5	42	1.5	130	45	34	26	29
M42x2	42	2	130	45	34	26	29
M42x3	42	3	130	45	34	26	29
M45	45	4.5	160	60	36	29	32
M45x1.5	45	1.5	140	50	36	29	32
M45x2	45	2	140	50	36	29	32
M45x3	45	3	140	50	36	29	32
M48	48	5	175	65	38	29	32
M48x1.5	48	1.5	150	50	38	29	32
M48x2	48	2	150	50	38	29	32
M48x3	48	3	150	50	38	29	32
M52	52	5	175	65	42	32	35
M52x1.5	52	1.5	150	50	42	32	35
M52x2	52	2	150	50	42	32	35
M52x3	52	3	150	50	42	32	35

螺纹刀具 THREADING CUTTERS

螺旋槽丝锥 SPIRAL-FLUTED TAPS

技术标准: GB/T3506-2008

刀具材料: 高速钢、高性能高速钢

精度等级: H1、H2、H3

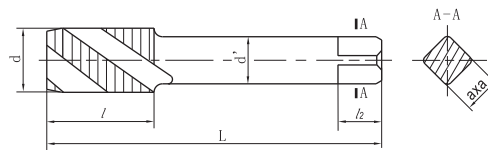
订货注明: 名称、规格、精度等级和
刀具材料

Technical standard: GB/T3506-2008

Material: HSS or High performance HSS

Accuracy class : H1,H2 and H3

When ordering, please specify the name, size, accuracy
class and tool material



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M14	14	2	95	30	11.2	9	12
M14x1	14	1	87	22	11.2	9	12
M14x1.25	14	1.25	95	25	11.2	9	12
M14x1.5	14	1.5	95	25	11.2	9	12
M16	16	2	102	30	12.5	10	13
M16x1	16	1	92	22	12.5	10	13
M16x1.5	16	1.5	112	30	12.5	10	13

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M18	18	2.5	112	36	14	11.2	14
M18x1	18	1	104	22	14	11.2	14
M18x1.5	18	1.5	112	36	14	11.2	14
M18x2	18	2	112	36	14	11.2	14
M20	20	2.5	112	36	14	11.2	14
M20x1	20	1	104	24	14	11.2	14
M20x1.5	20	1.5	112	36	14	11.2	14
M20x2	20	2	112	36	14	11.2	14
M22	22	2.5	118	38	16	12.5	16
M22x1	22	1	113	24	16	12.5	16
M22x1.5	22	1.5	118	38	16	12.5	16
M22x2	22	2	118	38	16	12.5	16
M24	24	3	130	45	18	14	18
M24x1	24	1	120	24	18	14	18
M24x1.5	24	1.5	130	45	18	14	18
M24x2	24	2	130	45	18	14	18
M27	27	3	135	43	20	16	20
M27x1	27	1	120	25	20	16	20
M27x1.5	27	1.5	127	30	20	16	20
M27x2	27	2	127	35	20	16	20
M28x1	28	1	120	25	20	16	20
M28x1.5	28	1.5	127	30	20	16	20
M28x2	28	2	127	35	20	16	20
M30x1	30	1	120	25	20	16	20
M30x1.5	30	1.5	127	30	20	16	20
M30x2	30	2	127	35	20	16	20
M30x3	30	3	138	45	20	16	20
M32x1.5	32	1.5	137	30	22.4	18	22
M32x2	32	2	137	35	22.4	18	22
M33x1.5	33	1.5	137	30	22.4	18	22
M33x2	33	2	137	35	22.4	18	22
M33x3	33	3	151	45	22.4	18	22

注：可按用户需要承接生产M36-M80规格的螺旋槽丝锥。

螺纹刀具 THREADING CUTTERS

内冷丝锥

TAPS WITH INTERNAL COOLING HOLE

以上品种丝锥产品均可增加内冷却孔，内冷却孔的形式如下图三种：

Taps mentoined above can be made with internal cooling hole,there are three types of cooling method shown as follows

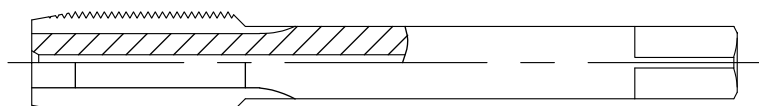


Fig. 1

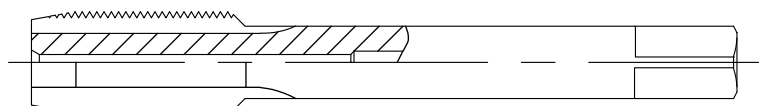


Fig. 2

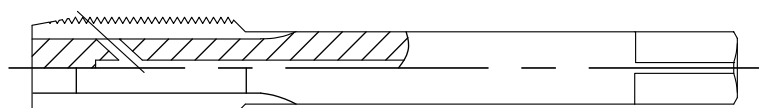


Fig. 3

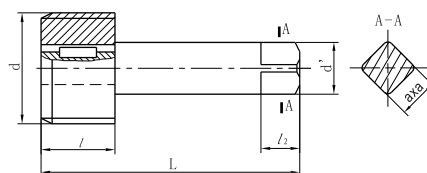
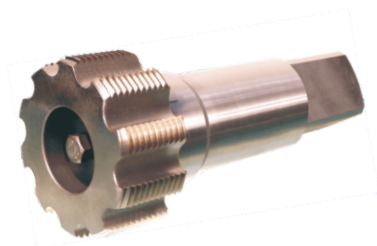
螺纹刀具 THREADING CUTTERS

装配式丝锥

ASSEMBLY TAPS

装配式丝锥可按客户要求制造

This type of taps can be made at our users'request



规格 De sig .	L	l	d'	a	l ₂	规格 De sig .	L	l	d'	a	l ₂
M105	280	80	56	45	46	M145	280	80	63	50	51
M110	280	80	56	45	46	M150	280	80	63	50	51
M115	280	80	56	45	46	M155	280	80	63	50	51
M120	280	80	56	45	46	M160	300	70	80	63	62
M125	280	80	56	45	46	M165	300	70	80	63	62
M130	280	80	56	45	46	M170	300	70	90	71	62
M135	280	80	63	50	51	M175	300	70	90	71	62
M140	280	80	63	50	51	M180	300	70	90	71	62

螺纹刀具 THREADING CUTTERS

内容屑丝锥 INTERNAL CHIP REMOVAL TAPS

技术标准：GB/T28255-2012

刀具材料：高速钢

精度等级：H1、H2、H3

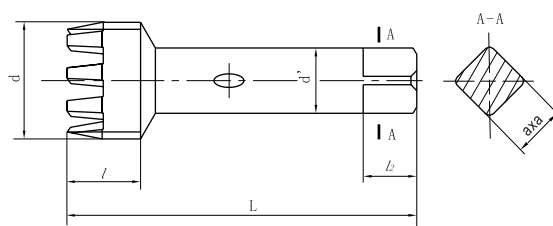
订货注明：名称、规格、精度等级

Technical standard: GB/T2825 -2012

Material: High-speed Steel

Accuracy class : H1,H2 and H3

When ordering, please specify the name, size and accuracy class



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M30	30	3.5	180	40	20	16	20
M33	33	3.5	180	40	22.4	18	22
M36	36	4	200	45	25	20	24
M39	39	4	200	45	28	20	24
M42	42	4.5	220	50	28	22.4	26
M45	45	4.5	220	50	31.5	25	28
M48	48	5	250	56	31.5	25	28
M52	52	5	250	56	35.5	28	31
M56	56	5.5	250	56	35.5	28	31
M60	60	5.5	250	56	40	31.5	34
M64	64	6	280	56	40	31.5	34
M68	68	6	280	63	45	35.5	38
M72	72	6	302	56	45	35.5	38
M76	76	6	330	63	50	40	42
M80	80	6	330	63	50	40	42
M85	85	6	362	63	50	40	42
M90	90	6	362	63	50	40	42
M95	95	6	362	63	50	40	42
M100	100	6	409	63	56	45	46
M105	105	6	409	63	56	45	46
M110	110	6	409	63	56	45	46
M115	115	6	409	63	56	45	46
M120	120	6	409	63	56	45	46
M125	125	6	452	63	56	45	46
M130	130	6	452	63	56	45	46
M140	140	6	452	63	56	45	46

螺纹刀具 THREADING CUTTERS

铸铁专用磨制直槽丝锥 GROUND STRAIGHT FLUTE TAP FOR CAST IRON

技术标准: GB/T3464.1-2007

刀具材料: 高性能高速钢

精度等级: H1、H2、H3

订货注明: 名称、规格、精度等级、

涂层类型

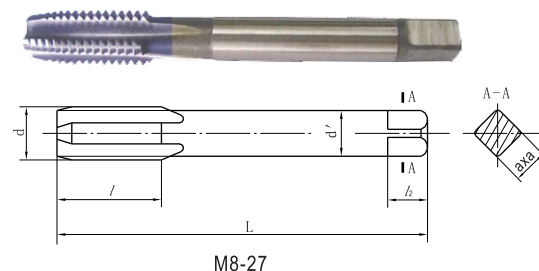
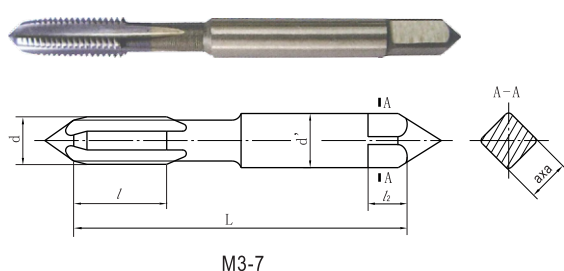
Technical standard: GB/T3464.1-2007

Material: High Performance HSS

Accuracy class : H1,H2 and H3

When ordering, please specify the name, size and accuracy class , Coating type

THREADING CUTTERS



规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M3	3	0.5	48	11	3.15	2.5	5
M3x0.35	3	0.35	48	11	3.15	2.5	5
M3.5	3.5	0.6	50	13	3.55	2.8	5
M3.5x0.35	3.5	0.35	50	13	3.55	2.8	5
M4	4	0.7	53	13	4.0	3.15	6
M4x0.5	4	0.5	53	13	4.0	3.15	6
M4.5	4.5	0.75	53	13	4.5	3.55	6
M4.5x0.5	4.5	0.5	53	13	3.15	3.55	6
M5	5	0.8	58	16	5.0	4.0	7
M5x0.5	5	0.5	58	16	5.0	4.0	7
M5.5x0.5	5.5	0.5	62	17	5.6	4.5	5
M6	6	1	66	19	6.3	5.0	8
M6x0.75	6	0.75	66	19	6.3	5.0	8
M7	7	1	66	19	7.1	5.6	8
M7x0.75	7	0.75	66	19	7.1	5.6	8

螺纹刀具 THREADING CUTTERS

铸铁专用磨制直槽丝锥 (续表) GROUND STRAIGHT FLUTE TAP FOR CAST ZKON

THREADING CUTTERS

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M8	8	1.25	72	22	6.3	5.0	8
M8x0.75	8	0.75	66	19	6.3	5.0	8
M8x1	8	1	72	22	6.3	5.0	8
M9	9	1.25	72	22	7.1	5.6	8
M9x0.75	9	0.75	66	19	7.1	5.6	8
M9x1	9	1	72	22	7.1	5.6	8
M10	10	1.5	80	24	8.0	6.3	9
M10x0.75	10	0.75	73	20	8.0	6.3	9
M10x1	10	1	80	24	8.0	6.3	9
M10x1.25	10	1.25	80	24	8.0	6.3	9
M11	11	1.5	85	25	8.0	6.3	9
M11x0.75	11	0.75	80	22	8.0	6.3	9
M11x1	11	1	85	25	8.0	6.3	9
M12	12	1.75	89	29	9.0	7.1	10
M12x1	12	1	80	22	9.0	7.1	10
M12x1.25	12	1.25	89	29	9.0	7.1	10
M12x1.5	12	1.5	89	29	9.0	7.1	10
M14	14	2	95	30	11.2	9.0	12
M14x1	14	1	87	22	11.2	9.0	12
M14x1.25	14	1.25	95	30	11.2	9.0	12
M14x1.5	14	1.5	95	30	11.2	9.0	12
M15x1.5	15	1.5	95	30	11.2	9.0	12
M16	16	2	102	32	12.5	10.0	13
M16x1	16	1	102	32	12.5	10.0	13
M16x1.5	16	1.5	102	32	12.5	10.0	13
M17x1.5	17	1.5	102	32	12.5	10.0	13
M18	18	2.5	112	37	14.0	11.2	14
M18x1	18	1	97	22	14.0	11.2	14
M18x1.5	18	1.5	112	37	14.0	11.2	14
M18x2	18	2	112	37	14.0	11.2	14
M20	20	2.5	112	37	14.0	11.2	14
M20x1	20	1	102	22	14.0	11.2	14
M20x1.5	20	1.5	112	37	14.0	11.2	14
M20x2	20	2	112	37	14.0	11.2	14
M22	22	2.5	118	38	16.0	12.5	16
M22x1	22	1	109	24	16.0	12.5	16
M22x1.5	22	1.5	118	38	16.0	12.5	16
M22x2	22	2	118	38	16.0	12.5	16
M24	24	3	130	45	18.0	14.0	18
M24x1	24	1	114	24	18.0	14.0	18
M24x1.5	24	1.5	130	45	18.0	14.0	18
M24x2	24	2	130	45	18.0	14.0	18
M25x1.5	25	1.5	130	45	18.0	14.0	18
M25x2	25	2	130	45	18.0	14.0	18
M26x1.5	26	1.5	120	35	18.0	14.0	18
M27	27	3	135	45	20.0	16.0	20
M27x1	27	1	120	25	20.0	16.0	20
M27x1.5	27	1.5	127	37	20.0	16.0	20
M27x2	27	2	127	37	20.0	16.0	20

螺纹刀具 THREADING CUTTERS

调质钢专用磨制螺旋槽丝锥 GROUND SPIRAL FLUTE TAP FOR QUENCHED AND TEMPERED STEEL

技术标准：GB/T3506-2008

Technical standard:GB/T3506-2008

刀具材料：高性能高速钢

Material: High Performance HSS

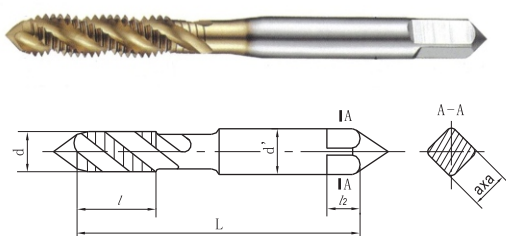
精度等级：H1、H2、H3

Accuracy class : H1,H2 and H3

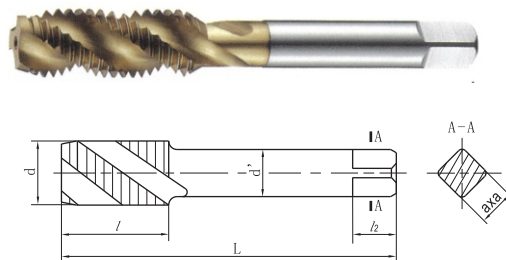
订货注明：名称、规格、精度等级、

When ordering, please specify the name, size and accuracy class , Coating type

涂层类型



M3-M7



M8-M24

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l		d'	a	l ₂
				标准	短刃			
M3	3	0.5	48	11	5	3.15	2.5	5
M3.5	3.5	0.6	50	13	6	3.55	2.8	5
M4	4	0.7	53	13	7	4.0	3.15	6
M4.5	4.5	0.75	53	13	8	4.5	3.55	6
M5	5	0.8	58	16	8	5.0	4.0	7
M6	6	1	66	19	10	6.3	5.0	8
M7	7	1	66	19	10	7.1	5.6	8
M8	8	1.25	72	22	13	6.3	5.0	8
M8x1	8	1	72	22	10	6.3	5.0	8
M9	9	1.25	72	22	13	7.1	5.6	8
M9x1	9	1	72	22	10	7.1	5.6	8
M10	10	1.5	80	24	15	8.0	6.3	9
M10x1	10	1	76	20	10	8.0	6.3	9
M10x1.25	10	1.25	80	24	13	8.0	6.3	9
M11	11	1.5	85	25	15	8.0	6.3	9
M11x1	11	1	80	22	10	8.0	6.3	9
M12	12	1.75	89	29	18	9.0	7.1	10
M12x1	12	1	80	22	10	9.0	7.1	10
M12x1.25	12	1.25	89	29	13	9.0	7.1	10
M12x1.5	12	1.5	89	29	15	9.0	7.1	10

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l		d'	a	l ₂
				标准	短刃			
M14	14	2	95	30	20	11.2	9.0	12
M14x1	14	1	87	22	10	11.2	9.0	12
M14x1.25	14	1.25	95	30	13	11.2	9.0	12
M14x1.5	14	1.5	95	30	15	11.2	9.0	12
M15x1.5	15	1.5	95	30	15	11.2	9.0	12
M16	16	2	102	32	20	12.5	10.0	13
M16x1	16	1	92	22	10	12.5	10.0	13
M16x1.5	16	1.5	102	32	15	12.5	10.0	13
M17x1.5	17	1.5	102	32	15	12.5	10.0	13
M18	18	2.5	112	37	25	14.0	11.2	14
M18x1	18	1	97	22	10	14.0	11.2	14
M18x1.5	18	1.5	112	37	15	14.0	11.2	14
M18x2	18	2	112	37	20	14.0	11.2	14
M20	20	2.5	112	37	25	14.0	11.2	14
M20x1	20	1	102	22	10	14.0	11.2	14
M20x1.5	20	1.5	112	37	15	14.0	11.2	14
M20x2	20	2	112	37	20	14.0	11.2	14
M22	22	2.5	118	38	25	16.0	12.5	16
M22x1	22	1	109	24	10	16.0	12.5	16
M22x1.5	22	1.5	118	38	15	16.0	12.5	16
M22x2	22	2	118	38	20	16.0	12.5	16
M24	24	3	130	45	30	18.0	14.0	18
M24x1	24	1	114	24	10	18.0	14.0	18
M24x1.5	24	1.5	130	38	15	18.0	14.0	18
M24x2	24	2	130	38	20	18.0	14.0	18

注：螺旋角可按用户要求加工

螺纹刀具 THREADING CUTTERS

不锈钢专用磨制螺旋槽丝锥

GROUND SPIRAL FLUTE TAP FOR STAINLESS SFEEL

技术标准: GB/T3506-2008

刀具材料: 高性能高速钢

精度等级: H1、H2、H3

订货注明: 名称、规格、精度等级、

涂层类型

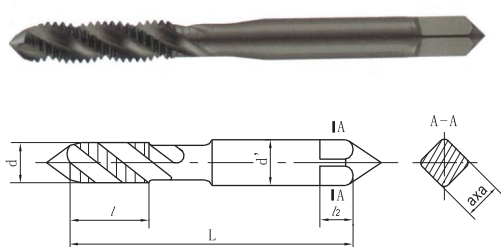
Technical standard: GB/T3506-2008

Material: High Performance HSS

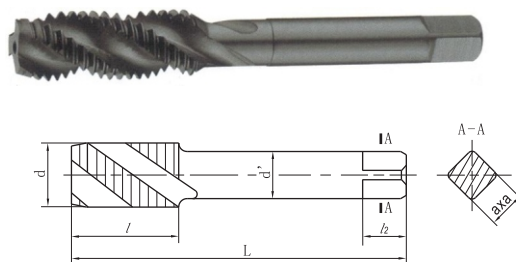
Accuracy class : H1,H2 and H3

When ordering, please specify the name, size and accuracy class , Coating type

THREADING CUTTERS



M3-M7



M8-M24

规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l		d'	a	l ₂
				标准	短刃			
M3	3	0.5	48	11	5	3.15	2.5	5
M3.5	3.5	0.6	50	13	6	3.55	2.8	5
M4	4	0.7	53	13	7	4.0	3.15	6
M4.5	4.5	0.75	53	13	8	4.5	3.55	6
M5	5	0.8	58	16	8	5.0	4.0	7
M6	6	1	66	19	10	6.3	5.0	8
M7	7	1	66	19	10	7.1	5.6	8
M8	8	1.25	72	22	13	6.3	5.0	8
M8x1	8	1	72	22	10	6.3	5.0	8
M9	9	1.25	72	22	13	7.1	5.6	8
M9x1	9	1	72	22	10	7.1	5.6	8
M10	10	1.5	80	24	15	8.0	6.3	9
M10x1	10	1	76	20	10	8.0	6.3	9
M10x1.25	10	1.25	80	24	13	8.0	6.3	9
M11	11	1.5	85	25	15	8.0	6.3	9
M11x1	11	1	80	22	10	8.0	6.3	9
M12	12	1.75	89	29	18	9.0	7.1	10
M12x1	12	1	80	22	10	9.0	7.1	10
M12x1.25	12	1.25	89	29	13	9.0	7.1	10
M12x1.5	12	1.5	89	29	15	9.0	7.1	10

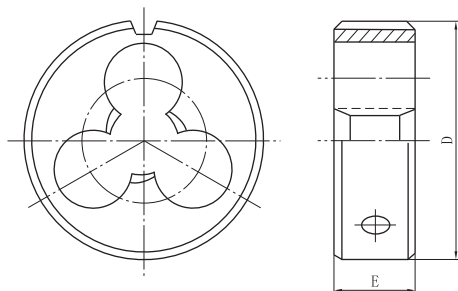
规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l		d'	a	l ₂
				标准	短刃			
M14	14	2	95	30	20	11.2	9.0	12
M14x1	14	1	87	22	10	11.2	9.0	12
M14x1.25	14	1.25	95	30	13	11.2	9.0	12
M14x1.5	14	1.5	95	30	15	11.2	9.0	12
M15x1.5	15	1.5	95	30	15	11.2	9.0	12
M16	16	2	102	32	20	12.5	10.0	13
M16x1	16	1	92	22	10	12.5	10.0	13
M16x1.5	16	1.5	102	32	15	12.5	10.0	13
M17x1.5	17	1.5	102	32	15	12.5	10.0	13
M18	18	2.5	112	37	25	14.0	11.2	14
M18x1	18	1	97	22	10	14.0	11.2	14
M18x1.5	18	1.5	112	37	15	14.0	11.2	14
M18x2	18	2	112	37	20	14.0	11.2	14
M20	20	2.5	112	37	25	14.0	11.2	14
M20x1	20	1	102	22	10	14.0	11.2	14
M20x1.5	20	1.5	112	37	15	14.0	11.2	14
M20x2	20	2	112	37	20	14.0	11.2	14
M22	22	2.5	118	38	25	16.0	12.5	16
M22x1	22	1	109	24	10	16.0	12.5	16
M22x1.5	22	1.5	118	38	15	16.0	12.5	16
M22x2	22	2	118	38	20	16.0	12.5	16
M24	24	3	130	45	30	18.0	14.0	18
M24x1	24	1	114	24	10	18.0	14.0	18
M24x1.5	24	1.5	130	38	15	18.0	14.0	18
M24x2	24	2	130	38	20	18.0	14.0	18

螺纹刀具 THREADING CUTTERS

圆板牙 CIRCULAR SCREW DIES

技术标准：GB970-83 或GB/T970.1-2008
 刀具材料：合金工具钢
 精度等级：6g
 订货注明：名称、规格

Technical standard: GB970-83 or GB/T970.1-2008
 Material: Alloy tool steel
 Accuracy class : 6g
 When ordering, please specify the name and size



规格 Designation	螺距 Pitch	D	代号 Designation	螺距 Pitch	D
M3	0.5	20	M11x1	1	30
M3x0.35	0.5	20	M12	1.75	38
M3.5	0.6	20	M12x1	1	38
M3.5x0.35	0.5	20	M12x1.25	1.25	38
M4	0.7	20	M12x1.5	1.25	38
M4x0.5	0.5	20	M14	2	38
M4.5	0.75	20	M14x1	1.25	38
M4.5x0.5	0.5	20	M14x1.25	1.5	38
M5	0.8	20	M14x1.5	1.5	38
M5x0.5	0.5	20	M15x1.5	1.5	38
M5.5x0.5	0.5	20	M16	2	45
M6	1	20	M16x1	1	45
M6x0.75	0.75	20	M16x1.5	1.5	45
M7	1	25	M17x1.5	1.5	45
M7x0.75	0.75	25	M18	2.5	45
M8	1.25	25	M18x1	1	45
M8x0.75	0.75	25	M18x1.5	1.5	45
M8x1	1	25	M18x2	2	45
M9	1.25	25	M20	2.5	45
M9x0.75	0.75	25	M20x1	1	45
M9x1	1	25	M20x1.5	1.5	45
M10	1.5	30	M20x2	2	45
M10x0.75	0.75	30	M22	2.5	55
M10x1	1	30	M22x1	1	55
M10x1.25	1.25	30	M22x1.5	1.5	55
M11	1.5	30	M22x2	2	55
M11x0.75	0.75	30			

钻头 DRILLS

莫氏锥柄麻花钻

TWIST DRILLS WITH MORSE TAPER SHANK

技术标准: GB/T1438.1-2008

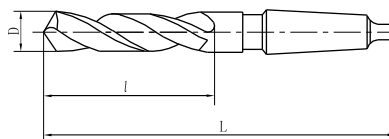
刀具材料: 高速钢、高性能高速钢

订货注明: 名称、直径和刀具材料

Technical standard: GB/T1438.1-2008

Material: HSS or High performance HSS

When ordering, please specify the name, diameter, material to be machined and tool material.



D	L	l	莫氏锥柄号 No. of Morse taper	D	L	l	莫氏锥柄号 No. of Morse taper
3	114	33	1	10.5	168	87	1
3.2	117	36		10.8	175	94	
3.5	120	39		11	175	94	
3.8	124	43		11.2	175	94	
4	124	43		11.5	175	94	
4.2	124	43		11.8	175	94	
4.5	128	47		12	182	101	
4.8	133	52		12.2	182	101	
5	133	52		12.5	182	101	
5.2	133	52		12.8	182	101	
5.5	138	57		13	182	101	
5.8	138	57		13.2	182	101	
6	138	57		13.5	189	108	
6.2	144	63		13.8	189	108	
6.5	144	63		14	189	108	
6.8	150	69		14.25	212	114	2
7	150	69		14.5	212	114	
7.2	150	69		14.75	212	114	
7.5	150	69		15	212	114	
7.8	156	75		15.25	218	120	
8	156	75		15.4	218	120	
8.2	156	75		15.5	218	120	
8.5	156	75		15.75	218	120	
8.8	162	81		16	218	120	
9	162	81		16.25	223	125	
9.2	162	81		16.5	223	125	
9.5	162	81		16.75	223	125	
9.8	168	87		17	223	125	
10	168	87		17.25	228	130	
10.2	168	87		17.4	228	130	



莫氏锥柄麻花钻 (续表)
TWIST DRILLS WITH MORSE TAPER SHANK

D	L	l	莫氏锥柄号 No. of Morse taper	D	L	l	莫氏锥柄号 No. of Morse taper
17.5	228	130	2	28	291	170	3
17.75	228	130		28.25	296	175	
18	228	130		28.5	296	175	
18.25	233	135		28.75	296	175	
18.5	233	135		29	296	175	
18.75	233	135		29.25	296	175	
19	233	135		29.5	296	175	
19.25	238	140		29.75	296	175	
19.4	238	140		30	296	175	
19.5	238	140		30.25	301	180	
19.75	238	140		30.5	301	180	
20	238	140		30.75	301	180	
20.25	243	145		31	301	180	
20.5	243	145		31.25	301	180	
20.75	243	145		31.5	301	180	
21	243	145		31.75	306	185	
21.25	248	150		32	334	185	4
21.5	248	150		32.5	334	185	
21.75	248	150		33	334	185	
22	248	150		33.5	334	185	
22.25	248	150		34	339	190	
22.5	253	155		34.5	339	190	
22.75	253	155		35	339	190	
23	253	155		35.5	339	190	
23.25	276	155	3	36	344	195	
23.5	276	155		36.5	344	195	
23.75	281	160		37	344	195	
24	281	160		37.5	344	195	
24.25	281	160		38	349	200	
24.5	281	160		38.5	349	200	
24.75	281	160		39	349	200	
25	281	160		39.5	349	200	
25.25	286	165		40	349	200	
25.5	286	165		40.5	354	205	
25.75	286	165		41	354	205	
26	286	165		41.5	354	205	
26.25	286	165		42	354	205	
26.5	286	165		42.5	354	205	
26.75	291	170		43	359	210	
27	291	170		43.5	359	210	
27.25	291	170		44	359	210	
27.5	291	170		44.5	359	210	
27.75	291	170		45	359	210	

钻头 DRILLS

莫氏锥柄麻花钻 (续表)

TWIST DRILLS WITH MORSE TAPER SHANK

D	L	l	莫氏锥柄号 No. of Morse taper	D	L	l	莫氏锥柄号 No. of Morse taper
45.5	364	215	4	61	427	240	5
46	364	215		62	427	240	
46.5	364	215		63	427	240	
47	364	215		64	432	245	
47.5	364	215		65	432	245	
48	369	220		66	432	245	
48.5	369	220		67	432	245	
49	369	220		68	437	250	
49.5	369	220		69	437	250	
50	369	220		70	437	250	
50.5	374	225	5	71	437	250	6
51	412	225		72	442	255	
52	412	225		73	442	255	
53	412	225		74	442	255	
54	417	230		75	442	255	
55	417	230		76	447	260	
56	417	230		77	514	260	
57	422	235		78	514	260	
58	422	235		79	514	260	
59	422	235		80	514	260	
60	422	235					

钻头 DRILLS

莫氏锥柄长麻花钻

LONG TWIST DRILLS WITH MORSE TAPER SHANK

技术标准: GB/T1438.2-2008

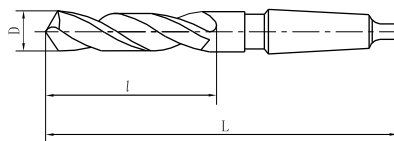
刀具材料: 高速钢、高性能高速钢

订货注明: 名称、直径和刀具材料

Technical standard: GB/T1438.2-2008

Material: HSS or High performance HSS

When ordering, please specify the name, diameter, material to be machined and tool material.





莫氏锥柄长麻花钻 (续表)

EXTRA LONG TWIST DRILLS WITH MORSE TAPER SHANK

D	L	l	莫氏锥柄号 No. of Morse taper	D	L	l	莫氏锥柄号 No. of Morse taper
10	197	116	1	28.5	351	230	3
10.2	197	116		29	351	230	
10.5	197	116		29.5	351	230	
10.8	206	116		30	351	230	
11	206	116		30.5	360	239	
11.2	206	116		31	360	239	
11.5	206	116		31.5	360	239	
11.8	206	116		32	397	248	
12	215	134		32.5	397	248	
12.5	215	134		33	397	248	
12.8	215	134		33.5	397	248	
13	215	134		34	406	257	
13.5	223	142		34.5	406	257	
13.8	223	142		35	406	257	
14	223	142	2	35.5	406	257	4
14.5	245	147		36	416	267	
15	245	147		36.5	416	267	
15.5	251	153		37	416	267	
16	251	153		37.5	416	267	
16.5	257	159		38	426	277	
17	257	159		38.5	426	277	
17.5	263	165		39	426	277	
18	263	165		39.5	426	277	
18.5	269	171		40	426	277	
19	269	171		40.5	436	287	
19.5	275	177		41	436	287	
20	275	177		41.5	436	287	
20.5	282	184	3	42	436	287	
21	282	184		42.5	436	287	
21.5	289	191		43	447	298	
22	289	191		43.5	447	298	
22.5	296	198		44	447	298	
23	296	198		44.5	447	298	
23.5	319	198		45	447	298	
24	327	206		45.5	459	310	
24.5	327	206		46	459	310	
25	327	206		46.5	459	310	
25.5	335	214		47	459	310	
26	335	214		47.5	459	310	
26.5	335	214		48	470	321	
27	343	222		48.5	470	321	
27.5	343	222		49	470	321	
28	343	222		49.5	470	321	
				50	470	321	

钻头 DRILLS

莫氏锥柄加长麻花钻

LENGTHENED TWIST DRILLS WITH MORSE TAPER SHANK

技术标准：GB/T1438.3-2008

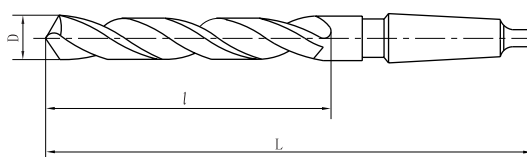
刀具材料：高速钢、高性能高速钢

订货注明：名称、直径和刀具材料

Technical standard: GB/T1438.3-2008

Material: HSS or High performance HSS

When ordering, please specify the name, diameter and tool material



D	L	l	莫氏锥柄号 No. of Morse taper	D	L	l	莫氏锥柄号 No. of Morse taper
10	250	170	1	19	310	210	2
10.2	250	170		19.5	320	220	
10.5	250	170		20	320	220	
10.8	255	175		20.5	330	230	
11	255	175		21	330	230	
11.2	255	175		21.5	335	235	
11.5	255	175		22	335	235	
11.8	255	175		22.5	340	240	
12	260	180		23	340	240	
12.5	260	180		23.5	360	240	3
12.8	260	180		24	365	245	
13	260	180		24.5	365	245	
13.5	265	185		25	365	245	
13.8	265	185		25.5	375	255	
14	265	185		26	375	255	
14.5	290	190	2	26.5	375	255	
15	290	190		27	385	265	
15.5	295	195		27.5	385	265	
16	295	195		28	385	265	
16.5	300	200		28.5	395	275	
17	300	200		29	395	275	
17.5	305	205		29.5	395	275	
18	305	205		30	395	275	
18.5	310	210					



莫氏锥柄超长麻花钻

EXTRA LONG TWIST DRILLS WITH MORSE TAPER SHANK

技术标准：GB/T1438.4-2008

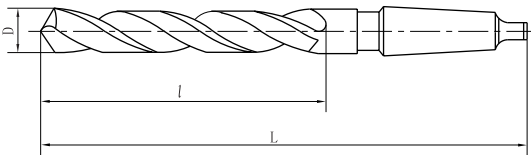
Technical standard: GB/T1438.4-2008

刀具材料：高速钢、高性能高速钢

Material: HSS or High performance HSS

订货注明：名称、直径和刀具材料

When ordering, please specify the name , diameter and tool material



DRILLS

D	L=250	L=315	L=400	L=500	L=630	莫氏锥柄号 No.of Morse taper
	l					
12	160	200	250	-	-	1
13	160	200	250	-	-	
14	160	200	250	-	-	
15	160	200	250	315	-	2
16	160	200	250	315	-	
17	160	200	250	315	-	
18	-	200	250	315	-	
19	-	200	250	315	-	
20	-	200	250	315	-	
21	-	200	250	315	-	
22	-	200	250	315	-	
23	-	200	250	315	-	3
24	-	-	250	315	400	
25	-	-	250	315	400	
28	-	-	250	315	400	
30	-	-	250	315	400	
32	-	-	250	315	400	4
35	-	-	250	315	400	
38	-	-	250	315	400	
40	-	-	250	315	400	
42	-	-	-	315	400	
45	-	-	-	315	400	
48	-	-	-	315	400	
50	-	-	-	315	400	

钻头 DRILLS

单一直柄麻花钻 SILVER AND DEMING DRILLS

技术标准: ANSI/ASME B94.11-2008

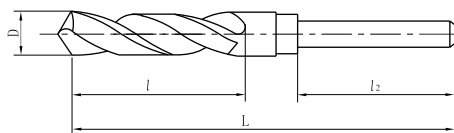
Technical standard: ANSI/ASME B94.11-2008

刀具材料: 高速钢、高性能高速钢

Material: HSS or High performance HSS

订货注明: 名称、直径和刀具材料

When ordering, please specify the name, diameter and tool material



D		L	l	l ₂	D		L	l	l ₂
in.	mm				in.	mm			
33/64	13.097	6" (152.4)	3" (76.2)	2-1/4" (57)	1-1/64	25.797	6" (152.4)	3" (76.2)	2-1/4" (57)
17/32	13.494				1-1/32	26.194			
35/64	13.891				1-3/64	26.591			
9/16	14.288				1-1/16	26.988			
37/64	14.684				1-5/64	27.384			
19/32	15.081				1-3/32	27.781			
39/64	15.478				1-7/64	28.178			
5/8	15.875				1-1/8	28.575			
41/64	16.272				1-9/64	28.972			
21/32	16.669				1-5/32	29.369			
43/64	17.066				1-11/64	29.766			
11/16	17.463				1-3/16	30.163			
45/64	17.859				1-13/64	30.599			
23/32	18.256				1-7/32	30.956			
47/64	18.653				1-15/64	31.353			
3/4	19.05				1-1/4	31.75			
49/64	19.447				1-17/64	32.147			
25/32	19.844				1-6/32	32.544			
51/64	20.241				1-19/64	32.94			
13/16	20.638				1-5/16	33.337			
53/64	21.034				1-21/64	33.734			
27/32	21.431				1-11/32	34.131			
55/64	21.828				1-23/64	34.528			
7/8	22.225				1-3/8	34.925			
57/64	22.622				1-25/64	35.322			
29/32	23.019				1-13/32	35.719			
59/64	23.415				1-27/64	36.115			
15/16	23.813				1-7/16	36.512			
61/64	24.209				1-29/64	36.909			
31/32	24.606				1-15/32	37.306			
63/64	25.003				1-31/64	37.703			
1	25.4				1-1/2	38.1			

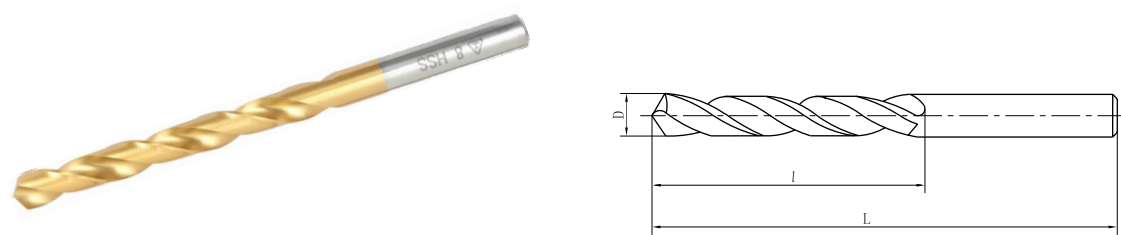


直柄麻花钻

TWIST DRILLS WITH PARALLEL SHANK

技术标准：GB/T6135.2-2008或DIN338-2006
刀具材料：高速钢、高性能高速钢
订货注明：名称、直径、被加工材料和刀具材料。对不锈钢材料，公司可提供专用优质麻花钻

Technical standard: GB/T6135.3-2008 or DIN338-2006
Material: HSS or High performance HSS
When ordering, please specify the name, diameter , material to be machined and tool material. For stainless steel, we can offer high quality special twist drill



D		L	l	D		L	l
mm	in.			mm	in.		
1		34	12	2.35		53	27
1.05		34	12	2.381	3/32	53	27
1.1		36	14	2.4		57	30
1.15		36	14	2.45		57	30
1.191	3/64	38	16	2.5		57	30
1.2		38	16	2.55		57	30
1.3		38	16	2.6		57	30
1.25		38	16	2.65		57	30
1.35		40	18	2.7		61	33
1.4		40	18	2.75		61	33
1.45		40	18	2.778	7/64	61	33
1.5		40	18	2.8		61	33
1.55		43	20	2.85		61	33
1.588	1/16	43	20	2.9		61	33
1.6		43	20	2.95		61	33
1.65		43	20	3		61	33
1.7		43	20	3.1		65	36
1.75		46	22	3.175	1/8	65	36
1.8		46	22	3.2		65	36
1.85		46	22	3.3		65	36
1.9		46	22	3.4		70	39
1.95		49	24	3.5		70	39
1.984	5/64	49	24	3.572	9/64	70	39
2		49	24	3.6		70	39
2.05		49	24	3.7		70	39
2.1		49	24	3.8		75	43
2.15		53	27	3.9		75	43
2.2		53	27	3.969	5/32	75	43
2.25		53	27	4		75	43
2.3		53	27	4.1		75	43

DRILLS

钻头 DRILLS

直柄麻花钻 (续表)

TWIST DRILLS WITH PARALLEL SHANK

D		L	l	D		L	l
mm	in.			mm	in.		
4.2		75	43	7.6		117	75
4.3		80	47	7.7		117	75
4.366	11/64	80	47	7.8		117	75
4.4		80	47	7.9		117	75
4.5		80	47	7.938	5/16	117	75
4.6		80	47	8		117	75
4.7		80	47	8.1		117	75
4.763	3/16	80	47	8.2		117	75
4.8		86	52	8.3		117	75
4.9		86	52	8.334	21/64	117	75
5		86	52	8.4		117	75
5.1		86	52	8.5		117	75
5.159	13/64	86	52	8.6		125	81
5.2		86	52	8.7		125	81
5.3		86	52	8.731	11/32	125	81
5.4		93	57	8.8		125	81
5.5		93	57	8.9		125	81
5.556	7/32	93	57	9		125	81
5.6		93	57	9.1		125	81
5.7		93	57	9.128	23/64	125	81
5.8		93	57	9.2		125	81
5.9		93	57	9.3		125	81
5.953	15/64	93	57	9.4		125	81
6		93	57	9.5		125	81
6.1		101	63	9.525	3/8	125	81
6.2		101	63	9.6		133	87
6.3		101	63	9.7		133	87
6.350	1/4	101	63	9.8		133	87
6.4		101	63	9.9		133	87
6.5		101	63	9.922	25/64	133	87
6.6		101	63	10		133	87
6.7		101	63	10.1		133	87
6.747	17/64	101	63	10.2		133	87
6.8		109	69	10.3		133	87
6.9		109	69	10.319	13/32	133	87
7		109	69	10.4		133	87
7.1		109	69	10.5		133	87
7.144	9/32	109	69	10.6		133	87
7.2		109	69	10.7		142	94
7.3		109	69	10.716	27/64	142	94
7.4		109	69	10.8		142	94
7.5		109	69	10.9		142	94
7.541	19/64	109	69	11		142	94

钻头 DRILLS

直柄麻花钻（续表） TWIST DRILLS WITH PARALLEL SHANK

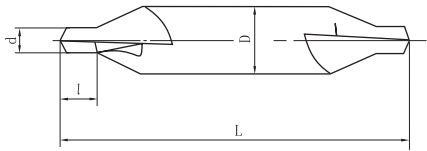
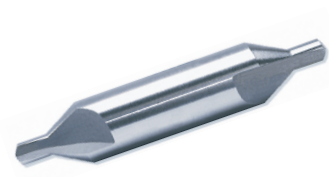
D		L	l	D		L	l
mm	in.			mm	in.		
11.1		142	94	12.4		151	101
11.113	7/16	142	94	12.5		151	101
11.2		142	94	12.6		151	101
11.3		142	94	12.7	1/2	151	101
11.4		142	94	12.8		151	101
11.5		142	94	12.9		151	101
11.509	29/64	142	94	13		151	101
11.6		142	94	13.1		151	101
11.7		142	94	13.2		151	101
11.8		142	94	13.3		160	108
11.9		151	101	13.4		160	108
11.906	15/32	151	101	13.5		160	108
12		151	101	13.6		160	108
12.1		151	101	13.7		160	108
12.2		151	101	13.8		160	108
12.3		151	101	13.9		160	108
12.303	31/64	151	101	14		160	108

钻头 DRILLS

中心钻 PLAIN TYPE CENTER DRILLS

技术标准：GB/T6078-2016
 刀具材料：高速钢
 订货注明：名称、直径

Technical standard: GB/T6078-2016
 Material: High-speed Steel
 When ordering, please specify the name and diameter



规格 Size	d	D	L	l	规格 Size	d	D	L	l
1	1.00	3.15	40	1.6	3.15	3.15	8.0	50	4.1
1.25	1.25	3.15	40	1.8	4	4.00	10.0	60	5.2
1.6	1.60	4.00	40	2.4	5	5.00	12.5	70	6.5
2	2.00	5.00	40	2.8	6.3	6.30	16.0	70	8.2
2.5	2.50	6.30	50	3.4	8	8.00	20.0	80	10.5

DRILLS

钻头 DRILLS

直柄短麻花钻

STUB TWIST DRILLS WITH PARALLEL SHANK

技术标准：GB/T6135.2-2008或DIN338-2006

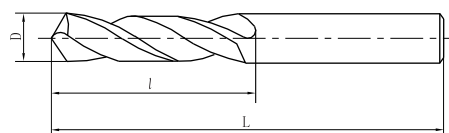
刀具材料：高速钢、高性能高速钢

订货注明：名称、直径、被加工材料和刀具材料。对不锈钢材料，公司可提供专用优质麻花钻

Technical standard: GB/T6135.3-2008 or DIN338-2006

Material: HSS or High performance HSS

When ordering, please specify the name, diameter, material to be machined and tool material. For stainless steel, we can offer high quality special twist drill

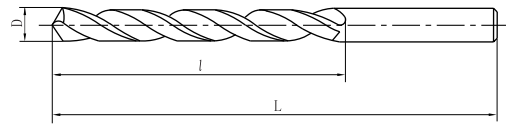


D	L	l	D	L	l
1.0	26	6	7.2	74	34
1.2	30	8	7.5	74	34
1.5	32	9	7.8	79	37
1.8	36	11	8.0	79	37
2.0	38	12	8.2	79	37
2.2	40	13	8.5	79	37
2.5	43	14	8.8	84	40
2.8	46	16	9.0	84	40
3.0	46	16	9.2	84	40
3.2	49	18	9.5	84	40
3.5	52	20	9.8	89	43
3.8	55	22	10.0	89	43
4.0	55	22	10.2	89	43
4.2	55	22	10.5	89	43
4.5	58	24	10.8	95	47
4.8	62	26	11.0	95	47
5.0	62	26	11.2	95	47
5.2	62	26	11.5	95	47
5.5	66	28	11.8	95	47
5.8	66	28	12.0	102	51
6.0	66	28	12.2	102	51
6.2	70	31	12.5	102	51
6.5	70	31	12.8	102	51
6.8	74	34	13.0	102	51
7.0	74	34			



直柄长麻花钻
LONG TWIST DRILLS WITH PARALLEL SHANK

技术标准：GB/T6135.3-2008或DIN340-2006 Technical standard: GB/T6135.3-2008 or DIN340-2006
刀具材料：高速钢、高性能高速钢 Material: HSS or High performance HSS
订货注明：名称、直径和刀具材料 When ordering, please specify the name , diameter and tool material



DRILLS

D		L	l	D		L	l
mm	in.			mm	in.		
1.984	5/64	85	56	3.572	9/64	112	73
2		85	56	3.6		112	73
2.05		85	56	3.7		112	73
2.1		85	56	3.8		119	78
2.15		90	59	3.9		119	78
2.2		90	59	3.969	5/32	119	78
2.25		90	59	4		119	78
2.3		90	59	4.1		119	78
2.35		90	59	4.2		119	78
2.381	3/32	95	62	4.3		126	82
2.4		95	62	4.366	11/64	126	82
2.45		95	62	4.4		126	82
2.5		95	62	4.5		126	82
2.55		95	62	4.6		126	82
2.6		95	62	4.7		126	82
2.65		95	62	4.763	3/16	132	87
2.7		100	66	4.8		132	87
2.75		100	66	4.9		132	87
2.778	7/64	100	66	5		132	87
2.8		100	66	5.1		132	87
2.85		100	66	5.159	13/64	132	87
2.9		100	66	5.2		132	87
2.95		100	66	5.3		132	87
3		100	66	5.4		139	91
3.1		106	69	5.5		139	91
3.175	1/8	106	69	5.556	7/32	139	91
3.2		106	69	5.6		139	91
3.3		106	69	5.7		139	91
3.4		112	73	5.8		139	91
3.5		112	73	5.9		139	91

钻头 DRILLS

直柄长麻花钻 (续表) LONG TWIST DRILLS WITH PARALLEL SHANK

D		L	l	D		L	l
mm	in.			mm	in.		
5.953	15/64	139	91	9.5		175	115
6		139	91	9.525	3/8	184	121
6.1		148	97	9.6		184	121
6.2		148	97	9.7		184	121
6.3		148	97	9.8		184	121
6.35	1/4	148	97	9.9		184	121
6.4		148	97	9.922	25/64	184	121
6.5		148	97	10		184	121
6.6		148	97	10.1		184	121
6.7		148	97	10.2		184	121
6.747	17/64	156	102	10.3		184	121
6.8		156	102	10.319	13/32	184	121
6.9		156	102	10.4		184	121
7		156	102	10.5		184	121
7.1		156	102	10.6		184	121
7.144	9/32	156	102	10.7		195	128
7.2		156	102	10.716	27/64	195	128
7.3		156	102	10.8		195	128
7.4		156	102	10.9		195	128
7.5		156	102	11		195	128
7.541	19/64	165	109	11.1		195	128
7.6		165	109	11.113	7/16	195	128
7.7		165	109	11.2		195	128
7.8		165	109	11.3		195	128
7.9		165	109	11.4		195	128
7.938	5/16	165	109	11.5		195	128
8		165	109	11.509	29/64	195	128
8.1		165	109	11.6		195	128
8.2		165	109	11.7		195	128
8.3		165	109	11.8		195	128
8.334	21/64	165	109	11.9		205	134
8.4		165	109	11.906	15/32	205	134
8.5		165	109	12		205	134
8.6		175	115	12.1		205	134
8.7		175	115	12.2		205	134
8.731	11/32	175	115	12.3		205	134
8.8		175	115	12.303	31/64	205	134
8.9		175	115	12.4		205	134
9		175	115	12.5		205	134
9.1		175	115	12.6		205	134
9.128	23/64	175	115	12.7	1/2	205	134
9.2		175	115	12.8		205	134
9.3		175	115	12.9		205	134
9.4		175	115	13		205	134

钻头 DRILLS

美国标准直柄麻花钻

ANSI STANDARD TWIST DRILLS WITH PARALLEL SHANK

技术标准: ANSI/ASME B94.11-2008

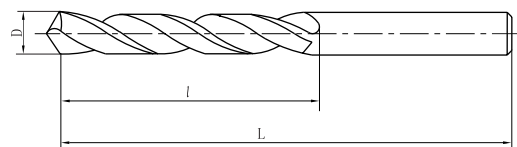
Technical standard: ANSI/ASME B94.11-2008

刀具材料: 高速钢、高性能高速钢

Material: HSS or High performance HSS

订货注明: 名称、直径和刀具材料

When ordering, please specify the name, diameter and tool material



DRILLS

D		L	l	D		L	l
mm	in.			mm	in.		
1		41.3	17	2.381	3/32	57.6	32
1.05		41.3	17	2.4		60.6	35
1.1		44.3	19	2.45		60.6	35
1.15		44.3	19	2.5		60.6	35
1.2		48.4	22	2.6		64.6	37
1.25		48.4	22	2.7		64.6	37
1.3		48.4	22	2.778	7/64	67.7	38
1.35		48.4	22	2.8		67.7	38
1.4		48.4	22	2.9		70.8	41
1.45		48.4	22	3		70.8	41
1.5		48.4	22	3.1		70.8	41
1.55		48.4	22	3.175	1/8	70.8	41
1.588	1/16	48.4	22	3.2		70.8	41
1.6		48.4	22	3.3		73.8	44
1.65		51.5	25	3.4		73.8	44
1.7		51.5	25	3.5		73.8	44
1.75		51.5	25	3.572	9/64	73.8	44
1.8		51.5	25	3.6		76.9	48
1.85		51.5	25	3.7		76.9	48
1.9		51.5	25	3.8		76.9	48
1.95		51.5	25	3.9		80	51
1.984	5/64	51.5	25	3.969	5/32	80	51
2		51.5	25	4		84.2	54
2.05		54.6	29	4.1		84.2	54
2.1		54.6	29	4.2		84.2	54
2.15		54.6	29	4.3		84.2	54
2.2		57.6	32	4.366	11/64	84.2	54
2.25		57.6	32	4.4		87.3	56
2.3		57.6	32	4.5		87.3	56
2.35		57.6	32	4.6		87.3	56

钻头 DRILLS

美国标准直柄麻花钻 (续表)

ANSI STANDARD TWIST DRILLS WITH PARALLEL SHANK

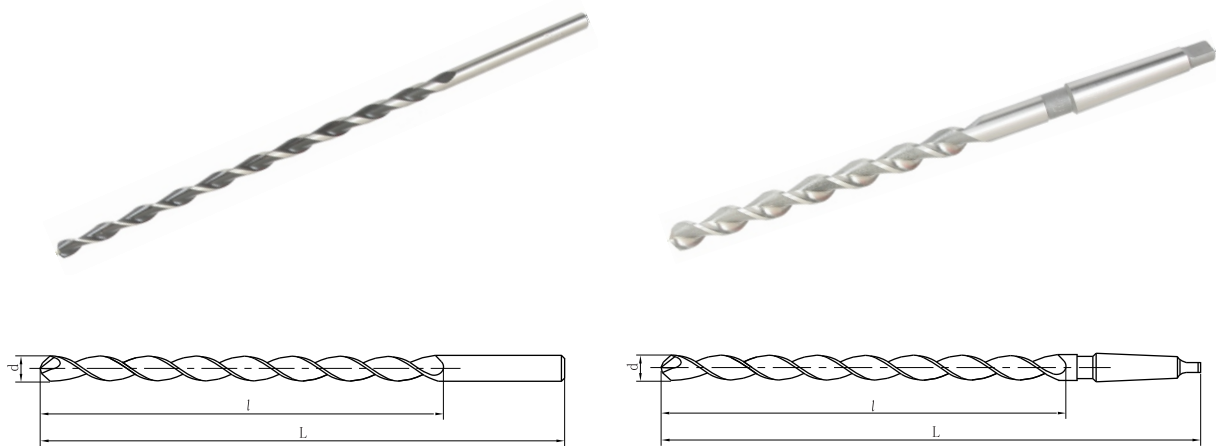
D		L	l	D		L	l
mm	in.			mm	in.		
4.7		90.5	59	8.2		119.5	84
4.763	3/16	90.5	59	8.3		119.5	84
4.8		90.5	59	8.334	21/64	119.5	84
4.9		93.5	62	8.4		123.5	87
5		93.5	62	8.5		123.5	87
5.1		93.5	62	8.6		123.5	87
5.159	13/64	93.5	62	8.7		123.5	87
5.2		96.6	64	8.731	11/32	123.5	87
5.3		96.6	64	8.8		126.7	89
5.4		96.6	64	8.9		126.7	89
5.5		96.6	64	9		126.7	89
5.556	7/32	96.6	64	9.1		126.7	89
5.6		99.7	67	9.128	23/64	126.7	89
5.7		99.7	67	9.2		129.8	92
5.8		99.7	67	9.3		129.8	92
5.9		99.7	67	9.4		129.8	92
5.953	15/64	99.7	67	9.5		129.8	92
6		103.8	70	9.525	3/8	129.8	92
6.1		103.8	70	9.6		133	95
6.2		103.8	70	9.7		133	95
6.3		103.8	70	9.8		133	95
6.35	1/4	103.8	70	9.9		133	95
6.4		107	73	9.922	25/64	133	95
6.5		107	73	10		133	95
6.6		107	73	10.2		136.1	98
6.7		107	73	10.319	13/32	136.1	98
6.747	17/64	107	73	10.5		136.1	98
6.8		107	73	10.716	27/64	140.2	100
6.9		107	73	10.8		143.3	103
7		107	73	11		143.3	103
7.1		110.2	75	11.113	7/16	143.3	103
7.144	9/32	110.2	75	11.2		146.5	106
7.2		110.2	75	11.5		146.5	106
7.3		110.2	75	11.509	29/64	146.5	106
7.4		113.3	78	11.8		149.5	110
7.5		113.3	78	11.906	15/32	149.5	110
7.541	19/64	113.3	78	12		152.7	111
7.6		113.3	78	12.2		152.7	111
7.7		116.4	81	12.303	31/64	152.7	111
7.8		116.4	81	12.5		155.8	114
7.9		116.4	81	12.7	1/2	155.8	114
7.938	5/16	116.4	81	12.8		155.8	114
8		116.4	81	13		155.8	114
8.1		119.5	84				

钻头
DRILLS

抛物线型深孔麻花钻
PARABOLA-FLUTED DEEP HOLE TWIST DRILLS

技术标准：参照国家标准
刀具材料：高速钢、高性能高速钢
订货注明：名称、直径、总长、刃部长度和刀具材料。（锥柄须注明莫氏圆锥号）

Technical standard: Refer to Chinese National Standard
Material: HSS or High performance HSS
When ordering, please specify the name , diameter , overall length , flute length and tool material
(Morse taper number should be specified if a parabola-fluted deep hole drills with Morse taper shank needed)



直柄 PARALLEL SHANK

d	L
5-6	95-450
>6-8	110-450
>8-11	140-450
>11-15	170-450
>15-20	200-450

莫氏锥柄 MORSE TAPER SHANK

d	L
5-6	95-450
>6-8	110-450
>8-11	140-450
>11-15	170-450
>15-20	200-450

注：也可按用户需要规格和长度加工。
Note: Size not included in above table can be made at user's request.

DRILLS

铣 铰 刀 MILLS & REAMERS

直柄立铣刀 END MILLS WITH PARALLEL SHANK

技术标准：GB / T 6117.1-2010

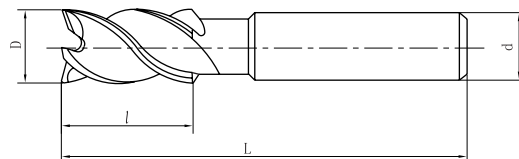
刀具材料：高速钢、高性能高速钢

订货注明：名称、直径、齿数和
刀具材料

Technical standard: GB/T6117.1-2010

Material: HSS or High performance HSS

When ordering, please specify the name , diameter ,
number of teeth and tool material



D	d	L	l	齿数 Number of teeth		
				粗齿/Coarse	中齿/Medium	细齿/Fine
2	4	39	7	3	4	—
2.5	4	40	8			
3	4	40	8			
3.5	4	42	10			
4	4	43	11			
5	5	47	13			
6	6	57	13			
7	8	60	16			
8	8	63	19			
9	10	69	19			5
10	10	72	22			
11	12	79	22			
12	12	83	26			
14	12	83	26			6
16	16	92	32			
18	16	92	32			
20	20	104	38			

铣 铰 刀

MILLS & REAMERS

直柄长型立铣刀

LONG TYPE END MILLS WITH PARALLEL SHANK

技术标准：GB / T 6117.1-2010

刀具材料：高速钢、高性能高速钢

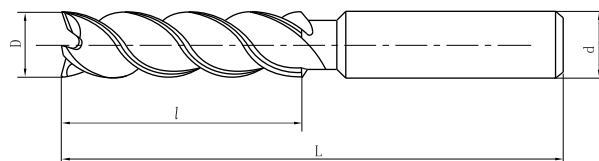
订货注明：名称、直径、齿数和

刀具材料

Technical standard: GB/T6117.1-2010

Material: HSS or High performance HSS

When ordering, please specify the name , diameter, number of teeth and tool material



D	d	L	l	齿数 Number of teeth		
				粗齿/Coarse	中齿/Medium	细齿/Fine
2	4	42	10	3	4	—
2.5	4	44	12			
3	4	44	12			
3.5	4	47	15			
4	4	51	19			
5	5	58	24			
6	6	68	24			
7	8	74	30			
8	8	82	38			
9	10	88	38			5
10	10	95	45			
11	12	102	45			
12	12	110	53			
14	12	110	53			6
16	16	123	63			
18	16	123	63			
20	20	141	75			

铣 铰 刀 MILLS & REAMERS

莫氏锥柄立铣刀 END MILLS WITH MORSE TAPER SHANK

技术标准：GB / T 6117.2-2010

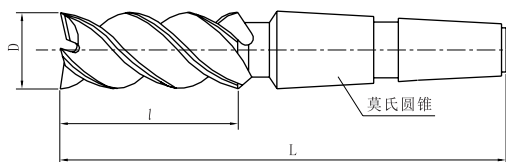
刀具材料：高速钢、高性能高速钢

订货注明：名称、直径、总长、齿数和刀具材料

Technical standard: GB/T6117.2-2010

Material: HSS or High performance HSS

When ordering, please specify the name , diameter, overall length , number of teeth and tool material



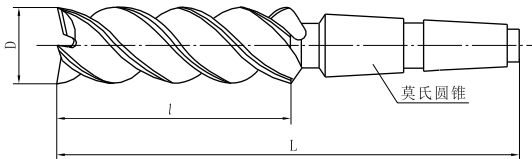
D	L	l	莫氏圆锥号 No. of Morse Taper	齿数 Number of teeth		
				粗齿/Coarse	中齿/Medium	细齿/Fine
14	111	26	2	3	4	5
16	117	32	2			6
18	117	32	2			
20	123	38	2			
22	140	38	3			
24	147	45	3			
25	147	45	3			
26	147	45	3			
28	147	45	3			
30	147	45	3			
32	155	53	3	4	6	8
32	178	53	4			
34	155	53	3			
34	178	53	4			
35	155	53	3			
35	178	53	4			
36	155	53	3			
36	178	53	4			
38	188	63	4			
38	221	63	5			
40	188	63	4			
40	221	63	5			
42	188	63	4			
42	221	63	5			
45	188	63	4			
45	221	63	5			
50	200	75	4			
50	233	75	5			

铣 铰 刀 MILLS & REAMERS

莫氏锥柄长型立铣刀 LONG TYPE END MILLS WITH MORSE TAPER SHANK

技术标准：GB / T 6117.2-2010
 刀具材料：高速钢、高性能高速钢
 订货注明：名称、直径、总长、齿
 数和刀具材料

Technical standard: GB/T6117.2-2010
 Material: HSS or High performance HSS
 When ordering, please specify the name , diameter,
 overall length , number of teeth and tool material



D	L	l	莫氏圆锥号 No.of Morse Taper	齿数 Number of teeth		
				粗齿/Coarse	中齿/Medium	细齿/Fine
14	138	53	2	3	4	5
16	148	63	2			6
18	148	63	2			
20	160	75	2			
22	177	75	3			
24	192	90	3			
25	192	90	3			
26	192	90	3			
28	192	90	3			
30	192	90	3			
32	192	106	3	4	6	8
32	231	106	4			
34	208	106	3			
34	231	106	4			
35	208	106	3			
35	231	106	4			
36	208	106	3			
36	231	106	4			
38	250	125	4			
38	283	125	5			
40	250	125	4			
40	283	125	5			
42	250	125	4			
42	283	125	5			
45	250	125	4			
45	283	125	5			
50	275	150	4			
50	308	150	5			

铣 铰 刀 MILLS & REAMERS

莫氏锥柄立铣刀 (二次后角) DOUBLE-RELIEVED EDN MILLS WITH MORSE TAPER SHANK

技术标准: GB / T 6117.2-2010

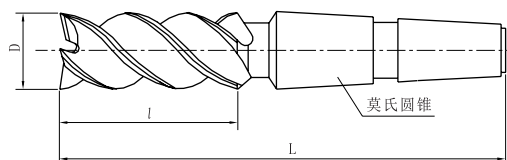
刀具材料: 高速钢、高性能高速钢

订货注明: 名称、直径、总长、齿数和刀具材料

Technical standard: GB/T6117.2-2010

Material: HSS or High performance HSS

When ordering, please specify the name , diameter, overall length , number of teeth and tool material



D	L	l	莫氏圆锥号 No.of Morse Taper	齿 数 Number of teeth
14	111	26	2	3
16	117	32	2	
18	117	32	2	
20	123	38	2	
22	140	38	3	
25	147	45	3	
28	147	45	3	
30	147	45	3	
32	155	53	3	4
32	178	53	4	
36	155	53	3	
36	178	53	4	
40	188	63	4	
40	221	63	5	
45	188	63	4	
45	221	63	5	
50	200	75	4	5
50	233	75	5	

铣 铰 刀 MILLS & REAMERS

直柄键槽铣刀 SLOTING DRILLS WITH PARALLEL SHANK

技术标准: GB/T1112-2012

刀具材料: 高速钢、高性能高速钢

公差等级: d8, e8

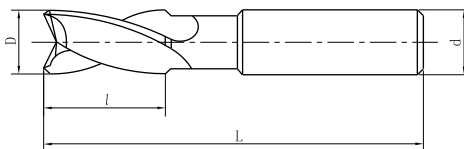
订货注明: 名称、直径、公差等级
和刀具材料

Technical standard: GB/T1112-2012

Material: HSS or High performance HSS

Tolerance grade: d8, e8

When ordering, please specify the name, diameter,
tolerance grade and tool material



D	d	L	l
2	3	30	4
2.5	3	30	4
3	3	32	5
4	4	36	7
5	5	40	8
6	6	45	10
8	8	50	14

D	d	L	l
10	10	60	18
12	12	65	22
14	14	70	24
16	16	75	28
18	18	80	32
20	20	85	36

铣 铰 刀 MILLS & REAMERS

锥柄键槽铣刀 SLOTING DRILLS WITH TAPER SHANK

技术标准: GB1113-81

刀具材料: 高速钢、高性能高速钢

公差等级: d8, e8

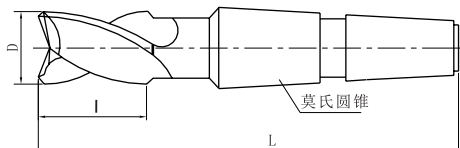
订货注明: 名称、直径、公差等级
和刀具材料

Technical standard: GB1113-81

Material: HSS or High performance HSS

Tolerance grade: d8, e8

When ordering, please specify the name, diameter,
tolerance grade and tool material



D	L	l	莫氏圆锥号 No. of Morse Taper
14	110	24	2
16	115	28	2
18	120	32	2
20	125	36	2
22	125	36	2
25	145	40	3
26	145	40	3
28	150	45	3
30	150	45	3
32	155	50	3

D	L	l	莫氏圆锥号 No. of Morse Taper
34	185	55	4
35	185	55	4
36	185	55	4
38	190	60	4
40	190	60	4
42	190	60	4
45	195	65	4
48	195	65	4
50	195	65	4

铣 铰 刀 MILLS & REAMERS

直柄机用铰刀 MACHINE REAMERS WITH PARALLEL SHANK

技术标准：GB/T1132-2017

刀具材料：高速钢、高性能高速钢

公差等级：H7、H8、H9

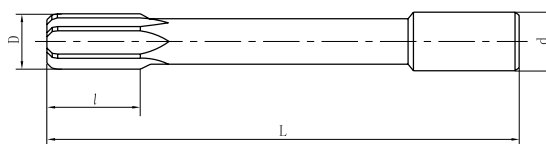
订货注明：名称、直径、公差等级
和刀具材料

Technical standard: GB/T1132-2017

Material: HSS or High performance HSS

Tolerance grade:H7,H8 and H9

When ordering, please specify the name , diameter ,
tolerance grade and tool material



D	d	L	l	D	d	L	l
1.0	2	30	8	3.2	3.2	65	16
1.1	2	35	8	3.5	3.5	70	18
1.2	2	35	8	4	4	75	19
1.3	2	35	8	4.5	4.5	80	21
1.4	2	40	8	5	5	86	23
1.5	2	40	8	5.5	5.6	93	26
1.6	1.6	43	9	6	5.6	93	26
1.7	1.7	43	9	7	7.1	109	31
1.8	1.8	46	10	8	8	117	33
1.9	1.9	46	10	9	9	125	36
2	2	49	11	10	10	133	38
2.1	2.1	49	11	11	10	142	41
2.2	2.2	53	12	12	10	151	44
2.3	2.3	53	12	(13)	10	151	44
2.4	2.4	57	14	14	12.5	160	47
2.5	2.5	57	14	15	12.5	162	50
2.6	2.6	57	14	16	12.5	170	52
2.7	2.7	61	15	(17)	14	175	54
2.8	2.8	61	15	18	14	182	56
2.9	2.9	61	15	(19)	16	189	58
3	3	61	15	20	16	195	60

铣 铰 刀

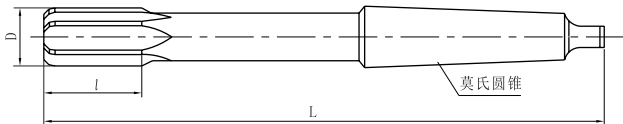
MILLS & REAMERS

锥柄机用铰刀

MACHINE REAMERS WITH MORSE TAPER SHANK

技术标准：GB/T1132-2017
 刀具材料：高速钢、高性能高速钢
 公差等级：H7、H8、H9
 订货注明：名称、直径、公差等级
 和刀具材料

Technical standard: GB/T1132-2017
 Material: HSS or High performance HSS
 Tolerance grade:H7,H8 and H9
 When ordering, please specify the name , diameter,
 tolerance grade and tool material



D	L	l	莫氏圆锥号 No.of Morse Taper	D	L	l	莫氏圆锥号 No.of Morse Taper
5.5	138	26	1	(24)	264	66	3
6	138	26		25	268	68	
7	150	31		(26)	273	70	
8	156	33		(27)	277	71	
9	162	36		28	277	71	
10	168	38		(30)	281	73	
11	175	41		32	317	77	4
12	182	44		(34)	321	78	
(13)	182	44		(35)	321	78	
14	189	47		36	325	79	
(15)	204	50		(38)	329	81	
16	210	52		40	333	82	
(17)	214	54	2	(42)	333	82	
18	219	56		(44)	336	83	
(19)	223	58		45	336	83	
20	228	60		(46)	340	84	
(21)	232	62		(48)	344	86	
22	237	64		50	344	86	
(23)	241	66					

铣 铰 刀 MILLS & REAMERS

套式机用铰刀 SHELL MACHINE REAMERS

技术标准：GB/T1135-2004

刀具材料：高速钢、高性能高速钢

公差等级：H7、H8、H9

订货注明：名称、直径、公差等级

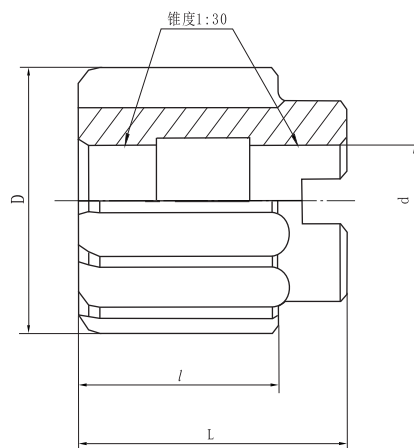
和刀具材料

Technical standard: GB/T1135-2004

Material: HSS or High performance HSS

Tolerance grade:H7,H8 and H9

When ordering, please specify the name , diameter , tolerance grade and tool material



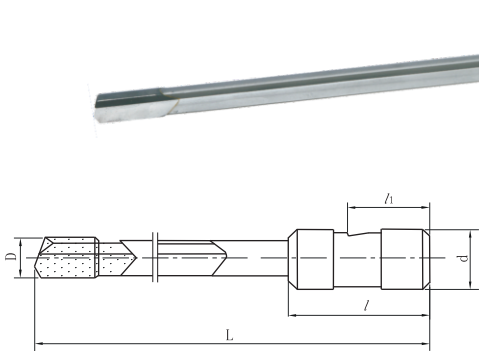
D	d	L	l	D	d	L	l
25	13	45	32	50	22	63	45
(26)	13	45	32	(52)	27	71	50
(27)	13	45	32	56	27	71	50
28	13	45	32	(58)	27	71	50
(30)	13	45	32	(60)	27	71	50
32	16	50	36	63	32	80	56
(34)	16	50	36	(65)	32	80	56
(35)	16	50	36	71	32	80	56
36	19	56	40	(72)	40	90	63
(38)	19	56	40	(75)	40	90	63
40	19	56	40	80	40	90	63
(42)	19	56	40	(85)	40	90	63
45	22	63	45	90	50	100	71
(47)	22	63	45	(95)	50	100	71
(48)	22	63	45	100	50	100	71

枪 钻
GUN DRILLS

硬质合金枪钻
SINTERED CARBIDE GUN DRILLS

技术标准：企业标准
刃部材料：YL10.2S
加工特点：钻孔尺寸精度IT6~8, 直线度
0.16~0.33/1000, 表面粗糙度Ra0.1~3.2
订货注明：名称、直径、长度、柄部结
构和被加工材料
注：也可按用户图纸要求制作

Technical standard: Enterprise's standard
Tip material: YL10.2S
Quality of drilled hole : Size accuracy of drilled hole up
to IT6~8 , linearity of drilled hole is 0.16~0.33/1000,
roughness of drilled hole is Ra0.1~3.2
When ordering, please specify the name , diameter,
overall length , shank construction and material to
be machined
Note: Gundrill can be made at our user's request



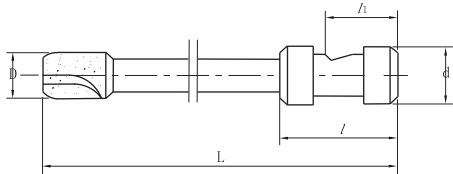
D	d	l	l ₂	L
3.5-10.0	16	45	31	按用户要求。 According to our user's request.
10.01-13.99	20	63	34	
14.0-20.0	25	70	34	
20.01-40	32	70	34	
40.1- 60	32	70	34	

枪 铰
GUN REAMERS

硬质合金单刃/双刃/六刃枪铰刀
SINTERED CARBIDE GUN REAMERS WITH SINGLE POINT,DOUBLE POINTS,SIXPOINTS

技术标准：企业标准
加工特点：铰孔尺寸精度H7以上, 直线度
< 0.10/1000, 圆度 <0.005 , 表面粗糙度
Ra<0.8
订货注明:名称、直径、长度和柄部结构
注：也可按用户图纸要求制作

Technical standard: Enterprise's standard
Quality of reamed hole:Size accuracy of reamed hole
up to H7 , linearity of reamed hole is not more than
0.10/1000,roundness of reamed hole is not more than
0.005,roughness of reamed hole is not more than Ra0.8
When ordering, please specify the name , diameter,
overall length , shank construction
Note: Gun reamers can be made at our user's request



D	d	l	l ₂	L
7.0~10.0	16	45	31	按用户要求。 According to our user's request.
10.1~13.9	20	63	34	
14.0~20.0	25	70	34	

枪 钻 GUN DRILLS

硬质合金喷吸钻

SINTERED CARBIDE INJECT DRILLS

技术标准：企业标准

刃部材料：YG6x

加工特点：钻孔尺寸精度H8以上, 直线度
<0.20/100, 表面粗糙度Ra0.1~3.2。加工孔
的长径比(L/D)可达100

订货注明：名称、直径

注：也可按用户图纸要求制作

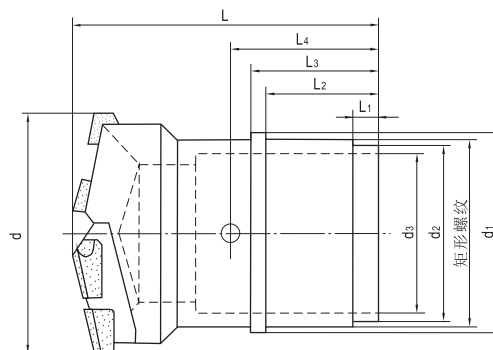
Technical standard: Enterprise's standard

Tip material: YG6x

Quality of drilled hole : Size accuracy of drilled
hole up to H8 , linearity of drilled hole is 0.20/100,
roughness of drilled hole is Ra0.1~3.2.The ratio of
the drilled hole depth to its diameter is above 100

When ordering, please specify the name , diameter

Note: Inject drill can be made at our user's request



d	L	d ₁	L ₁	矩形螺纹 square thread	L ₂	L ₃	d ₂	d ₃	L ₄
18.4-20.0	52.2	16	6	J15.5×10/4头	18.5	21.5	14	12	23
>20-21.8	52.7	18	6	J17.5×12/4头	18.5	21.5	16	14	23.5
>21.8-24.1	52.7	19.5	6	J19×12/4头	18.5	21.5	17.5	15	23.5
>24.1-26.4	53.7	21	6	J20.5×12/4头	18.5	21.5	19	16	23.5
>26.4-28.7	56.7	23.5	6	J23×16/4头	21.5	24.5	21	18	26.5
>28.7-31	59.2	25.5	6	J25×16/4头	21.5	24.5	23	20	26.5
>31-33.3	59.2	28	6	J27.5×16/4头	21.5	24.5	25.5	22	26.5
>33.3-36.2	66.4	30	7	J29.4×20/4头	26.5	30.5	27	24	33
>36.2-39.6	69.4	33	7	J32.4×20/4头	26.5	30.5	30	26	33
>39.6-43	69.4	36	7	J35.4×20/4头	26.5	30.5	33	29	33
>43-47	71.3	39	7	J38.4×20/4头	26.5	30.5	36	32	33
>47-51.7	75.3	43	7	J42.4×24/4头	30.5	34.5	39.5	35	37
>51.7-56.2	78.3	47	7	J46.4×24/4头	30.5	34.5	43.5	39	37
>56.2-65	80.3	51	7	J50.4×24/4头	30.5	34.5	47.5	43	37

硬质合金刀具 HARD METAL CUTTERS

硬质合金锥柄机用铰刀

SINTERED CARBIDE MACHINE REAMERS WITH MORSE TAPER SHANK

技术标准：企业标准

刃部材料：YT14、YG6x

刃部材料选用：铸铁用YG6x, 钢用 YT14

公差等级：H7、H8、H9

订货注明：名称、直径、公差等级和刃部材料

注：也可按用户图纸要求制作

Technical standard: Enterprise's standard

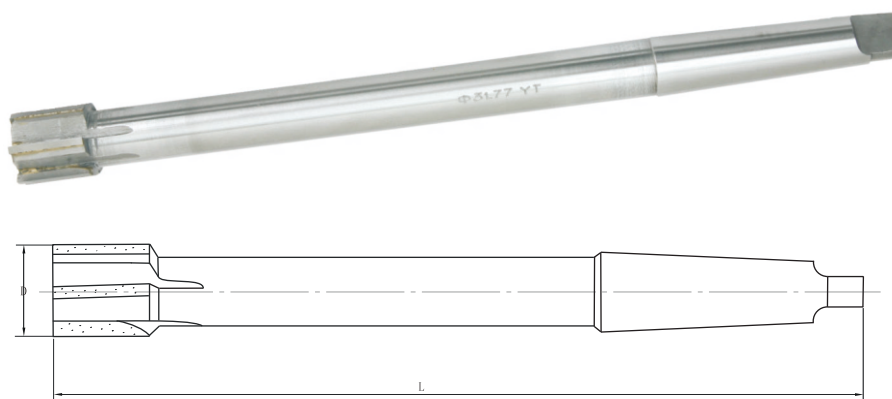
Tip material: YT14 , YG6x

Tip selection : YT14 is used for cutting cast iron and YG6x is used for cutting steel

Tolerance class : H7 , H8 and H9

When ordering, please specify the name , diameter, tolerance class and tip material

Note: Reamers can be made at our user's request



直径 D Nom.Dia.	总长 L OAL	齿 数 No. of teeth	莫氏圆锥号 No. of Morse taper
8	156	4	1
9	162	4	1
10	168	4	1
11	175	4	1
12-13	182	4	1
14	189	4	1
15	204	4	2
16	210	6	2
17	214	6	2
18	219	6	2
19	223	6	2
20	228	6	2
21	232	6	2
22	237	6	2
23	241	6	2
24-25	263	6	3
26	273	6	3
28	277	6	3
30	281	6	3
32	317	8	4
34-35	321	8	4
36	325	8	4
38	329	8	4
40	329	8	4

硬质合金刀具 HARD METAL CUTTERS

硬质合金螺旋立铣刀

SINTERED CARBIDE HELICAL TIP END MILLS

技术标准：企业标准

刃部材料：YT14、YG6x

刃部材料选用：铸铁用YG6x，钢用 YT14

订货注明：名称、直径x总长和刃部材料

注：也可按用户图纸要求制作

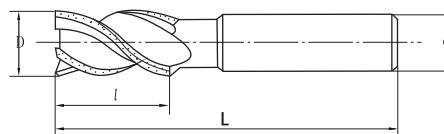
Technical standard: Enterprise's standard

Tip material: YT14 , YG6x

Tip selection : YT14 is used for cutting cast iron and YG6x is used for cutting steel

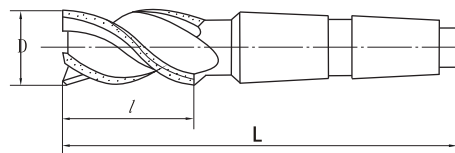
When ordering, please specify the name , diameter x overall length and tip material

Note: End mills can be made at our user's request



直柄 PARALLEL SHANK

D	L	l	d	齿 数 No. of teeth	D	L	l	d	齿 数 No. of teeth
12	75	20	12	3	25	111	40	25	3
12	80	25	12	3	25	121	50	25	3
16	88	25	16	3	32	120	40	32	4
16	95	32	16	3	32	130	50	32	4
20	97	32	20	3	40	140	50	40	4
20	105	40	20	3	40	153	63	40	4



莫氏锥柄 MORSE TAPER SHANK

D	L	l	齿 数 No. of teeth	莫氏圆锥号 No. of Morse taper	D	L	l	d	齿 数 No. of teeth
10	98	25	3	1	30	177	53	4	4
12	98	25	3	1	32	177	53	4	4
14	110	25	3	2	36	193	63	4	4
16	117	32	3	2	40	193	63	4	4
18	117	32	3	2	45	220	63	4	5
20	125	38	3	2	50	220	63	4	5
22	142	38	3	3	56	220	63	6	5
25	154	53	3	3	63	220	63	6	5
28	154	53	3	3					

硬质合金刀具 HARD METAL CUTTERS

硬质合金斜齿立铣刀 SINTERED CARBIDE TIP OBLIQUE END MILLS

技术标准：企业标准

刃部材料：YT14、YG6x

刃部材料选用：铸铁用YG6x, 钢用YT14

订货注明：名称、直径、总长和刃部材料

注：也可按用户图纸要求制作

Technical standard: Enterprise's standard

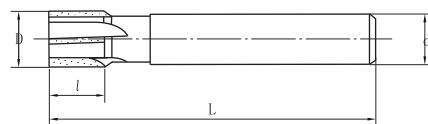
Tip material: YT14 , YG6x

Tip selection : YT14 is used for cutting

cast iron and YG6x is used for cutting steel

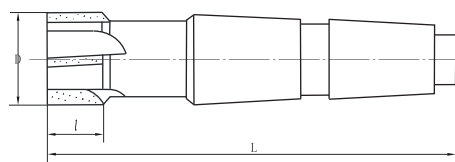
When ordering, please specify the name , diameter, overall length and tip material

Note: End mills can be made at our user's request



直柄 PARALLEL SHANK

D	L	l	d	齿 数 No. of teeth	D	L	l	d	齿 数 No. of teeth
10	75	13.5	10	3	18	90	18	16	3
11	80	13.5	12	3	20	90	18	20	4
12	80	13.5	12	3	22	90	18	20	4
14	80	13.5	12	3	25	100	18	25	4
16	85	13.5	16	3	28	100	18	25	4



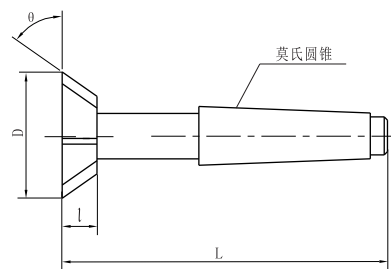
莫氏锥柄 MORSE TAPER SHANK

D	L	l	齿 数 No. of teeth	莫氏圆锥号 No. of Morse taper	D	L	l	d	齿 数 No. of teeth
14	105	13.5	3	2	32	160	23	4	4
16	105	13.5	3	2	36	160	23	6	4
18	110	18	3	2	40	160	23	6	4
20	130	18	4	3	45	170	28	6	4
22	130	18	4	3	45	195	28	6	5
25	130	18	4	3	50	170	28	6	4
28	155	18	4	4	50	195	28	6	5
30	160	18	4	4					

硬质合金刀具 HARD METAL CUTTERS

硬质合金焊接燕尾槽铣刀

SINTERED CARBIDE DOVETAIL MILLING CUTTERS WITH MORSE TAPER SHANK

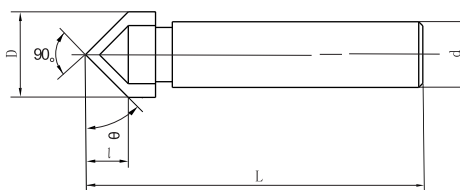
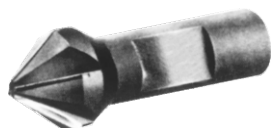


规格 Size	D	L	l	θ	莫氏锥柄号 No. of Morse taper	齿数 Teeth
Φ40	40	137	16	55°	3	4
Φ50	50	137	16	55°	3	4
Φ63	63	179	20	55°	4	6
Φ80	80	179	20	55°	4	6
Φ100	100	179	20	55°	4	6
Φ40	40	137	16	60°	3	4
Φ50	50	137	16	60°	3	4
Φ63	63	179	20	60°	4	6
Φ80	80	179	20	60°	4	6
Φ100	100	179	20	60°	4	6

硬质合金刀具 HARD METAL CUTTERS

硬质合金焊接倒角铣刀

SOLID CARBIDE CHAMFERING MILLING CUTTERS WITH WELDON SHANK

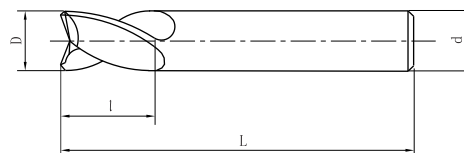


规格 Size	D	d	l	L	θ	齿数 Teeth
Φ20	20	16	10	90	45°	2
Φ25	25	16	12	90	45°	2
Φ30	30	20	15	100	45°	2
Φ35	38	20	17	100	45°	2
Φ40	40	25	20	100	45°	2
Φ50	50	32	25	110	45°	4
Φ60	60	32	30	120	45°	6

硬质合金刀具 HARD METAL CUTTERS

整体硬质合金键槽铣刀

SINTERED CARBIDE KEYSEAT MILLING CUTTERS WITH PARALLEL SHANK

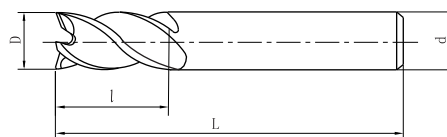


规格 Size	D	d	L	l	规格 Size	D	d	L	l
Φ3	3	3	50	4	Φ10	10	10	66	11
Φ4	4	4	54	5	Φ12	12	12	73	12
Φ5	5	5	54	6	Φ14	14	14	75	14
Φ6	6	6	54	7	Φ16	16	16	82	16
Φ7	7	7	58	8	Φ18	18	18	84	18
Φ8	8	8	58	9	Φ20	20	20	92	20

硬质合金刀具 HARD METAL CUTTERS

整体硬质合金立铣刀

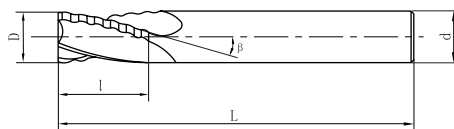
SOLID CARBIDE END MILLING WITH PARALLEL SHANK



规格 Size	d=D	L	l	齿数 Teeth	规格 Size	d=D	L	l	齿数 Teeth
Φ3	3	50	8	2、3、4	Φ12	12	75	30	2、3、4
Φ4	4	50	11	2、3、4	Φ14	14	75	32	2、3、4
Φ5	5	50	13	2、3、4	Φ16	16	100	45	2、3、4
Φ6	6	50	16	2、3、4	Φ18	18	100	45	2、3、4
Φ8	8	60	20	2、3、4	Φ20	20	100	45	2、3、4
Φ10	10	75	25	2、3、4	Φ25	25	100	45	2、3、4

硬质合金刀具 HARD METAL CUTTERS

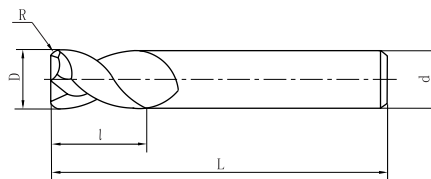
整体硬质合金波形立铣刀 SOLID CARBIDE ROUGHING MILLS WITH PARALLEL SHANK



规格 Size	D	d	L	l	β	齿数 Teeth
$\Phi 5$	5	6	57	13	$20^\circ, 30^\circ, 45^\circ$	3
$\Phi 6$	6	6	57	13	$20^\circ, 30^\circ, 45^\circ$	3
$\Phi 8$	8	8	63	16	$20^\circ, 30^\circ, 45^\circ$	3
$\Phi 10$	10	10	72	22	$20^\circ, 30^\circ, 45^\circ$	4
$\Phi 12$	12	12	83	26	$20^\circ, 30^\circ, 45^\circ$	4
$\Phi 14$	14	14	83	26	$20^\circ, 30^\circ, 45^\circ$	4
$\Phi 16$	16	16	92	32	$20^\circ, 30^\circ, 45^\circ$	4
$\Phi 18$	18	18	92	32	$20^\circ, 30^\circ, 45^\circ$	4
$\Phi 20$	20	20	104	38	$20^\circ, 30^\circ, 45^\circ$	4

硬质合金刀具 HARD METAL CUTTERS

整体硬质合金圆角立铣刀 SOLID CARBIDE CORNER ROUNDING MILLS

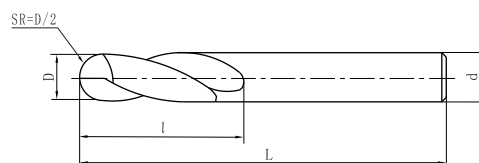


规格 Size	D	R	d	L	l	齿数 Teeth
$\Phi 3$	3	0.5	3	52	5	2
$\Phi 3$	3	1.0	3	52	5	2
$\Phi 4$	4	0.5	4	52	6	2
$\Phi 4$	4	1.0	4	52	6	2
$\Phi 6$	6	1.0	6	52	8	2
$\Phi 6$	6	1.5	6	52	8	2
$\Phi 8$	8	1.0	8	60	12	2
$\Phi 8$	8	2.0	8	60	12	2
$\Phi 10$	10	1.0	10	68	15	2
$\Phi 10$	10	1.5	10	68	15	2
$\Phi 10$	10	2.0	10	68	15	2
$\Phi 12$	12	1.0	12	76	18	2
$\Phi 12$	12	2.0	12	76	18	2
$\Phi 12$	12	3.0	12	76	18	2

硬质合金刀具 HARD METAL CUTTERS

整体硬质合金球头立铣刀

SOLID CARBIDE BALL END MILLS WITH PARALLEL SHANK

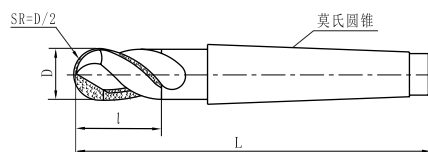


规格 Size	D	L	l	d	齿数 Teeth	规格 Size	D	L	l	d	齿数 Teeth
Φ3	3	50	6	3	2	Φ3	3	50	8	3	4
Φ4	4	50	8	4	2	Φ4	4	50	11	4	4
Φ5	5	50	9	5	2	Φ5	5	54	13	5	4
Φ6	6	54	10	6	2	Φ6	6	57	13	6	4
Φ8	8	58	12	8	2	Φ8	8	63	19	8	4
Φ10	10	66	14	10	2	Φ10	10	72	22	10	4
Φ12	12	73	16	12	2	Φ12	12	83	26	12	4
Φ14	14	73	18	14	2	Φ14	14	83	26	14	4
Φ16	16	82	22	16	2	Φ16	16	92	32	16	4
Φ20	20	92	26	20	2	Φ20	20	104	38	20	4

硬质合金刀具 HARD METAL CUTTERS

硬质合金焊接球头立铣刀

CARBIDE BALL-END MILLS WITH MORSE TAPER SHANK



规格 Size	D	L	l	SR	莫氏锥柄号 No. of Morse taper
Φ16	16	128.2	43.2	8	2
Φ18	18	129.2	44.2	9	2
Φ20	20	155.2	53.2	10	3
Φ22	22	156.2	54.2	11	3
Φ25	25	167.7	65.7	12.5	3
Φ28	28	169.2	67.2	14	3
Φ30	30	173.2	71.2	15	3
Φ32	32	199.2	72.2	16	4
Φ36	36	207.2	80.2	18	4
Φ40	40	209.2	82.2	20	4
Φ45	45	211.5	84.7	22.2	4
Φ50	50	244.2	88.2	25	5
Φ56	56	255.2	99.2	28	5
Φ63	63	257.7	102.7	31.5	5

硬质合金刀具 HARD METAL CUTTERS

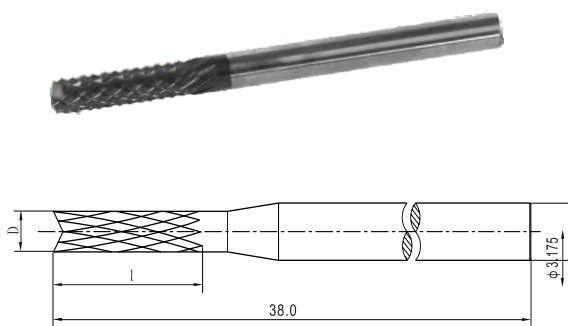
标准型ST系列铣刀 STANDARD ROUTER ST SERIES

标准硬质合金铣刀主用于PCB板的外形、
通槽、切断加工

标准系列铣刀按排屑方式可分上切削和下
切削两种型式，按端头形状分平头、鱼尾、钻尖
三种型式

The solid carbide routers with diamond-patterned
cutting edge are used for cutting and slot routing of
PCB

The end are as follows: Fishtail like end is suitable
for routing work which require drilling. Flat tail does
not have an end blade, is suitable for router work need
not drilling. Drill point blade prevents the cutting
residence in the thrust direction and is suitable when
drilling is required. In this series right hand cutting is for
climb milling : left hand cutting is for down milling



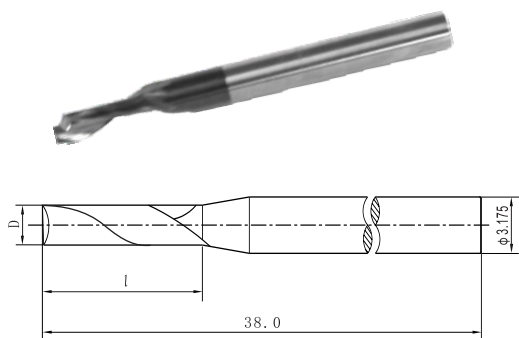
规 格 Size	D	l	规 格 Size	D	l
Φ0.8	0.8	5.0	Φ2.0	2.0	10.5
Φ0.9	0.9	5.0	Φ2.1	2.1	10.5
Φ1.0	1.0	6.0	Φ2.2	2.2	10.5
Φ1.1	1.1	6.0	Φ2.3	2.3	10.5
Φ1.2	1.2	6.0	Φ2.4	2.4	10.5
Φ1.3	1.3	6.0	Φ2.5	2.5	10.5
Φ1.4	1.4	6.0	Φ2.6	2.6	10.5
Φ1.5	1.5	8.5	Φ2.7	2.7	10.5
Φ1.6	1.6	8.5	Φ2.8	2.8	10.5
Φ1.7	1.7	8.5	Φ2.9	2.9	10.5
Φ1.8	1.8	8.5	Φ3.0	3.0	10.5
Φ1.9	1.9	8.5	Φ3.175	3.175	12.0

硬质合金刀具 HARD METAL CUTTERS

SF系列单刃立铣刀 SINGLE FLUTE ROUTER SF SERIES

SF系列单刃立铣刀用于加工软性材料，如特
氟隆及柔性板，工程塑料等，其独特的超大容
屑空间可避免由于加工过热导致板材翘曲的现
象。

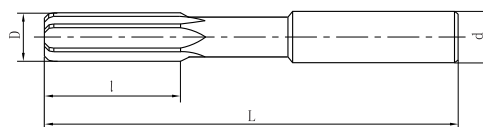
Milling soft materials such as Teflon and
flexible boards, Prevents warp from over heating
with the advantage of large space.



规 格 Size	D	l	规 格 Size	D	l
Φ0.5	0.5	2.0	Φ2.1	2.1	8
Φ0.6	0.6	2.5	Φ2.2	2.2	8
Φ0.7	0.7	3.0	Φ2.3	2.3	8
Φ0.8	0.8	3.5	Φ2.4	2.4	8
Φ0.9	0.9	4.0	Φ2.5	2.5	8
Φ1.0	1.0	4.5	Φ2.6	2.6	8
Φ1.1	1.1	4.5	Φ2.7	2.7	8
Φ1.2	1.2	5.0	Φ2.8	2.8	8
Φ1.3	1.3	5.0	Φ2.9	2.9	8
Φ1.4	1.4	5.0	Φ3.0	3.0	10
Φ1.5	1.5	6.5	Φ3.1	3.1	10
Φ1.6	1.6	6.5	Φ3.175	3.175	12
Φ1.7	1.7	6.5	Φ4.0	4.0	12
Φ1.8	1.8	6.5	Φ5.0	5.0	16
Φ1.9	1.9	6.5	Φ6.0	6.0	20
Φ2.0	2.0	8.0	Φ6.35	6.35	24

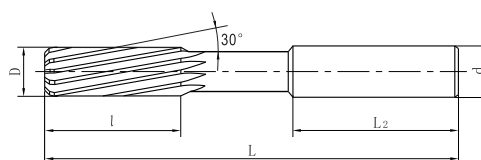
硬质合金刀具 HARD METAL CUTTERS

整体硬质合金直柄铰刀 SOLID CARBIDE STRAIGHT SHANK REAMERS



直槽 STRAIGHT-FLUTED

规格 Size	D	d	L	l	齿数 Teeth
Φ2.0-2.9	2.0-2.9	2.0-2.9	40	15	4
Φ3.0-3.9	3.0-3.9	3.0-3.9	50	20	4
Φ4.0-6.0	4.0-6.0	4.0-6.0	60	25	6
Φ6.1-8.0	6.1-8.0	6.1-8.0	70	30	6
Φ8.1-12	8.1-12	8.1-12	80	35	6



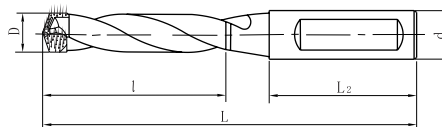
螺旋槽 SPIRAL-FLUTED

规格 Size	D	d	L	l	L ₂	齿数 Teeth
Φ4.0	4.0	4	75	19	32	4
Φ4.5	4.5	5	80	21	33	4
Φ5.0	5.0	5	86	23	34	6
Φ5.5	5.5	6	93	26	36	6
Φ6.0	6.0	6	93	26	36	6
Φ6.5	6.5	8	101	28	38	6
Φ7.0	7.0	8	109	31	40	6
Φ8.0	8.0	8	117	33	42	6
Φ9.0	9.0	10	125	36	44	6
Φ10.0	10.0	10	133	38	46	6
Φ11.0	11.0	12	142	41	46	6
Φ12.0	12.0	12	151	44	46	6
Φ13.0	13.0	14	151	44	46	6
Φ14.0	14.0	14	160	47	50	8
Φ15.0	15.0	16	162	50	50	8
Φ16.0	16.0	16	170	52	50	8
Φ17.0	17.0	18	175	54	52	8
Φ18.0	18.0	18	182	56	52	8
Φ19.0	19.0	20	189	58	58	8
Φ20.0	20.0	20	195	60	58	8

硬质合金刀具 HARD METAL CUTTERS

硬质合金强力钻

SINTERED CARBIDE HEAVY-DUTY TWIST DRILLS

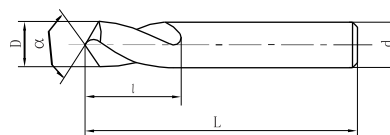


规格 Size	D范围 Dia. Range	d	L	l	L ₂	规格 Size	D范围 Dia. Range	d	L	l	L ₂
>Φ9.5-10.0	9.5-10.0	16	98	35	48	>Φ20.0-20.5	20.0-20.5	25	157	72	56
>Φ10.0-10.5	10.0-10.5	16	100	37	48	>Φ20.5-21.0	20.5-21.0	25	159	74	56
>Φ10.5-11.0	10.5-11.0	16	103	39	48	>Φ21.0-21.5	21.0-21.5	25	162	75	56
>Φ11.0-11.5	11.0-11.5	16	105	40	48	>Φ21.5-22.0	21.5-22.0	25	164	77	56
>Φ11.5-12.0	11.5-12.0	16	108	42	48	>Φ22.0-22.5	22.0-22.5	25	166	79	56
>Φ12.0-12.5	12.0-12.5	16	111	44	48	>Φ22.5-23.0	22.5-23.0	25	168	81	56
>Φ12.5-13.0	12.5-13.0	16	113	46	48	>Φ23.0-23.5	23.0-23.5	25	172	82	56
>Φ13.0-13.5	13.0-13.5	16	115	47	48	>Φ23.5-24.0	23.5-24.0	25	174	84	56
>Φ13.5-14.0	13.5-14.0	16	118	49	48	>Φ24.0-24.5	24.0-24.5	32	181	86	60
>Φ14.0-14.5	14.0-14.5	20	121	51	50	>Φ24.5-25.0	24.5-25.0	32	183	88	60
>Φ14.5-15.0	14.5-15.0	20	123	53	50	>Φ25.0-25.5	25.0-25.5	32	187	89	60
>Φ15.0-15.5	15.0-15.5	20	125	54	50	>Φ25.5-26.0	25.5-26.0	32	189	91	60
>Φ15.5-16.0	15.5-16.0	20	128	56	50	>Φ26.0-26.5	26.0-26.5	32	191	93	60
>Φ16.0-16.5	16.0-16.5	20	131	58	50	>Φ26.5-27.0	26.5-27.0	32	193	95	60
>Φ16.5-17.0	16.5-17.0	20	133	60	50	>Φ27.0-27.5	27.0-27.5	32	197	96	60
>Φ17.0-17.5	17.0-17.5	20	135	61	50	>Φ27.5-28.0	27.5-28.0	32	199	98	60
>Φ17.5-18.0	17.5-18.0	20	136	63	50	>Φ28.0-28.5	28.0-28.5	32	202	100	60
>Φ18.0-18.5	18.0-18.5	20	139	65	50	>Φ28.5-29.0	28.5-29.0	32	204	102	60
>Φ18.5-19.0	18.5-19.0	25	149	67	56	>Φ29.0-29.5	29.0-29.5	32	206	103	60
>Φ19.0-19.5	19.0-19.5	25	151	67	56	>Φ29.5-30.4	29.5-30.4	32	208	105	60
>Φ19.5-20.0	19.5-20.0	25	154	70	56						

硬质合金刀具 HARD METAL CUTTERS

整体硬质合金定心钻

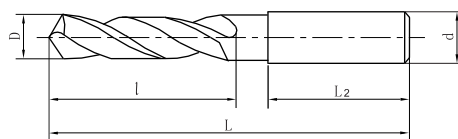
SOLID CARBIDE START DRILL



规格 Size	D=d	L	l	α	规格 Size	D=d	L	l	α
Φ5	5	62	10	90°、120°	Φ12	12	102	25	90°、120°
Φ6	6	66	15	90°、120°	Φ14	14	107	30	90°、120°
Φ8	8	79	17	90°、120°	Φ16	16	115	35	90°、120°
Φ10	10	89	20	90°、120°	Φ20	20	131	40	90°、120°

硬质合金刀具 HARD METAL CUTTERS

整体硬质合金麻花钻 SOLID CARBIDE TWIST DRILLS



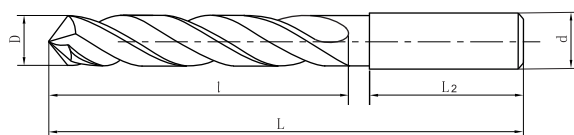
规格 Size	D	d	L	l	L ₂	规格 Size	D	d	L	l	L ₂
Φ3	3.0	6	62	20	36	Φ10.5	10.5	12	102	51	45
Φ3.2	3.2	6	62	20	36	Φ11.0	11.0	12	102	51	45
Φ3.5	3.5	6	62	20	36	Φ11.5	11.5	12	102	51	45
Φ3.8	3.8	6	62	20	36	Φ11.8	11.8	12	102	51	45
Φ4.0	4.0	6	66	24	36	Φ12.0	12.0	12	102	51	45
Φ4.2	4.2	6	66	24	36	Φ12.3	12.3	14	107	56	45
Φ4.5	4.5	6	66	24	36	Φ12.5	12.5	14	107	56	45
Φ4.8	4.8	6	66	28	36	Φ13.0	13.0	14	107	56	45
Φ5.0	5.0	6	66	28	36	Φ13.5	13.5	14	107	56	45
Φ5.2	5.2	6	66	28	36	Φ14.0	14.0	14	107	56	45
Φ5.5	5.5	6	66	28	36	Φ14.5	14.5	16	115	65	45
Φ5.8	5.8	6	66	28	36	Φ15.0	15.0	16	115	65	45
Φ6.0	6.0	6	66	28	36	Φ15.5	15.5	16	115	65	45
Φ6.2	6.2	8	74	34	36	Φ15.8	15.8	16	115	65	45
Φ6.5	6.5	8	74	34	36	Φ16.0	16.0	16	115	65	45
Φ6.8	6.8	8	74	34	36	Φ16.5	16.5	18	123	68	50
Φ7.0	7.0	8	74	34	36	Φ16.8	16.8	18	123	68	50
Φ7.5	7.5	8	79	37	36	Φ17.0	17.0	18	123	68	50
Φ7.8	7.8	8	79	37	36	Φ17.5	17.5	18	123	68	50
Φ8.0	8.0	8	79	37	36	Φ17.8	17.8	18	123	68	50
Φ8.2	8.2	10	89	43	40	Φ18.0	18.0	18	123	68	50
Φ8.5	8.5	10	89	43	40	Φ18.5	18.5	20	131	75	50
Φ8.8	8.8	10	89	43	40	Φ19.0	19.0	20	131	75	50
Φ9.0	9.0	10	89	43	40	Φ19.5	19.5	20	131	75	50
Φ9.5	9.5	10	89	43	40	Φ19.8	19.8	20	131	75	50
Φ10	10.0	10	89	43	40	Φ20.0	20.0	20	131	75	50

硬质合金刀具 HARD METAL CUTTERS

整体硬质合金三刃钻 SOLID CARBIDE THREE FLUTE DRILLS

铸铁、有色金属加工用三刃硬质合金钻头

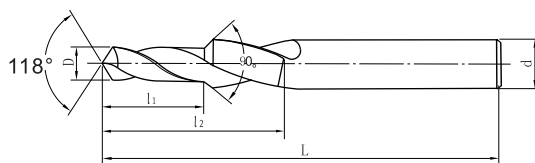
The solid carbide three flute drills is used for drilling cast-iron, nonferrous metal



规格 Size	D	d	L	l	L ₂	规格 Size	D	d	L	l	L ₂
Φ3.0	3.0	6	66	28	36	Φ10.5	10.5	12	118	71	45
Φ3.2	3.2	6	66	28	36	Φ11.0	11.0	12	118	71	45
Φ3.5	3.5	6	66	28	36	Φ11.5	11.5	12	118	71	45
Φ3.8	3.8	6	74	36	36	Φ12.0	12.0	12	118	71	45
Φ4.0	4.0	6	74	36	36	Φ12.5	12.5	14	124	77	45
Φ4.2	4.2	6	74	36	36	Φ12.8	12.8	14	124	77	45
Φ4.5	4.5	6	74	36	36	Φ13.0	13.0	14	124	77	45
Φ4.8	4.8	6	82	44	36	Φ13.5	13.5	14	124	77	45
Φ5.0	5.0	6	82	44	36	Φ13.8	13.8	14	124	77	45
Φ5.2	5.2	6	82	44	36	Φ14.0	14.0	14	124	77	45
Φ5.5	5.5	6	82	44	36	Φ14.5	14.5	16	133	83	48
Φ5.8	5.8	6	82	44	36	Φ15.0	15.0	16	133	83	48
Φ6.0	6.0	6	82	44	36	Φ15.5	15.5	16	133	83	48
Φ6.2	6.5	8	91	53	36	Φ16.0	16.0	16	133	83	48
Φ6.5	6.8	8	91	53	36	Φ16.5	16.5	18	143	93	48
Φ6.8	7.0	8	91	53	36	Φ17.0	17.0	18	143	93	48
Φ7.0	7.5	8	91	53	36	Φ17.5	17.5	18	143	93	48
Φ7.5	7.8	8	91	53	36	Φ18.0	18.0	18	143	93	48
Φ7.8	8.0	8	91	53	36	Φ19.0	19.0	20	153	101	50
Φ8.0	8.2	10	103	61	40	Φ19.5	19.5	20	153	101	50
Φ8.2	8.5	10	103	61	40	Φ20.0	20.0	20	153	101	50
Φ8.5	8.8	10	103	61	40	Φ21.0	21.0	22	167	112	50
Φ8.8	9.0	10	103	61	40	Φ22.0	22.0	22	167	112	50
Φ9.0	9.5	10	103	61	40	Φ23.0	23.0	25	184	112	50
Φ9.5	9.8	10	103	61	40	Φ24.0	24.0	25	184	112	50
Φ10	10.0	10	103	61	40	Φ25.0	25.0	25	184	112	50

硬质合金刀具 HARD METAL CUTTERS

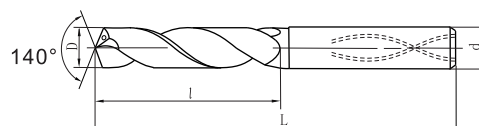
整体硬质合金阶梯钻 SOLID CARBIDE SUBLAND DRILLS



底孔D Size	d	L	l ₁	l ₂	螺纹规格 Thread size	底孔D Size	d	L	l ₁	l ₂	螺纹规格 Thread size
Φ3.4	6	66	11.4	28	M4	Φ14.25	18	123	38.5	73	M16
Φ4.3	6	66	13.6	28	M5	Φ7	10	89	21.0	47	M8x1
Φ5	8	79	16.5	41	M6	Φ9	12	102	25.5	55	M10x1
Φ6.9	8	89	16.5	47	M8	Φ10.5	14	107	30.0	60	M12x1.5
Φ8.7	10	102	21.0	55	M10	Φ12.25	16	115	34.5	65	M14x1.5
Φ10.4	12	107	25.5	60	M12	Φ14.5	18	123	38.5	73	M16x1.5
Φ12.25	14	115	30.0	65	M14						

硬质合金刀具 HARD METAL CUTTERS

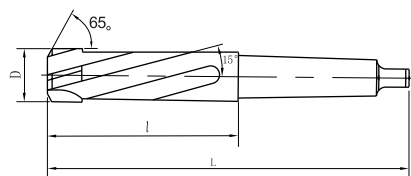
整体硬质合金内冷钻 SOLID CARBIDE INTERNAL COOLING TWIST DRILL



规格 Size	D	d	L	l	规格 Size	D	d	L	l
Φ5	5	5	82	44	Φ13	13	13	124	77
Φ6	6	6	82	44	Φ14	14	14	124	77
Φ7	7	7	91	53	Φ15	15	15	133	83
Φ8	8	8	91	53	Φ16	16	16	133	83
Φ9	9	9	103	61	Φ17	17	17	143	93
Φ10	10	10	130	61	Φ18	18	18	143	93
Φ11	11	11	118	71	Φ19	19	19	153	101
Φ12	12	12	118	71	Φ20	20	20	153	101

硬质合金刀具 HARD METAL CUTTERS

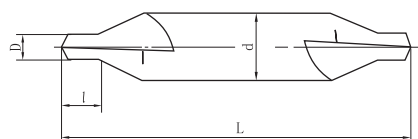
硬质合金锥柄扩孔钻 SINTERED CARBIDE CORE DRILLS



规格 Size	D	L	l	齿数 Teeth	莫氏锥柄号 No. of Morse taper	规格 Size	D	L	l	齿数 Teeth	莫氏锥柄号 No. of Morse taper
Φ12	12	182	116	3	1	Φ33	33	317	194	4	4
Φ13	13	182	116	3	1	Φ34	34	317	194	4	4
Φ14	14	182	116	3	1	Φ35	35	317	194	4	4
Φ15	15	182	116	3	1	Φ36	36	317	194	4	4
Φ16	16	210	131	3	2	Φ37	37	317	194	4	4
Φ17	17	210	131	3	2	Φ38	38	317	194	4	4
Φ18	18	210	131	3	2	Φ39	39	317	194	4	4
Φ19	19	210	131	3	2	Φ40	40	317	194	4	4
Φ20	20	210	131	3	2	Φ41	41	317	194	4	4
Φ21	21	210	131	3	2	Φ42	42	317	194	4	4
Φ22	22	210	131	3	2	Φ43	43	317	194	4	4
Φ23	23	268	170	3	3	Φ44	44	317	194	4	4
Φ24	24	268	170	3	3	Φ45	45	330	210	4	4
Φ25	25	268	170	3	3	Φ46	46	330	210	4	4
Φ26	26	268	170	3	3	Φ47	47	330	210	4	4
Φ27	27	268	170	3	3	Φ48	48	330	210	4	4
Φ28	28	268	170	3	3	Φ49	49	330	210	4	4
Φ30	30	268	170	3	3	Φ50	50	330	210	4	4
Φ32	32	317	194	4	4						

硬质合金刀具 HARD METAL CUTTERS

整体硬质合金中心钻 SOLID CARBIDE CENTER DRILLS--PLAIN TYPE

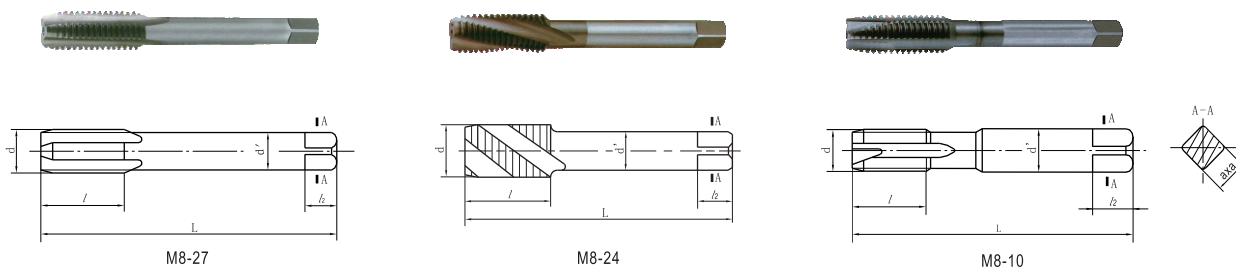


规格 Size	D	d	L	l	规格 Size	D	d	L	l
1	1.00	3.15	40	1.6	3.15	3.15	8.0	50	4.1
1.25	1.25	3.15	40	1.8	4	4.00	10.0	60	5.2
1.6	1.60	4.00	40	2.4	5	5.00	12.5	70	6.5
2	2.00	5.00	40	2.8	6.3	6.30	16.0	70	8.2
2.5	2.50	6.30	50	3.4	8	8.00	20.0	80	10.5

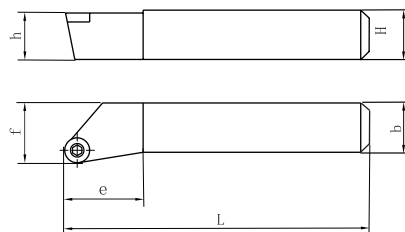
注：上表为整体硬质合金A型中心钻尺寸；如需B型，即带120度保护锥，请订货时另外说明。

硬质合金刀具 HARDMETAL CUTTERS

整体硬质合金丝锥 SOLID CARBIDE TAPS

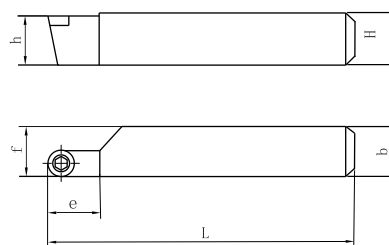


规格 Designation	公称直径 Nom. Dia.	螺距 Pitch	L	l	d'	a	l ₂
M3	3	0.5	56	11	3.5	2.7	6
M3X0.35	3.5	0.35	56	11	3.5	2.7	6
M4	4	0.7	63	13	4.5	3.4	6
M4X0.5	4	0.5	63	13	4.5	3.4	6
M5	5	0.8	70	16	6	4.9	8
M5X0.5	5	0.5	70	16	6	4.9	8
M6	6	1	80	19	6	4.9	8
M6X0.75	6	0.75	80	19	6	4.9	8
M6X0.5	6	0.5	80	19	6	4.9	8
M7	7	1	80	19	7	5.5	8
M8	8	1.25	90	22	6	4.9	8
M8X1	8	1	90	22	6	4.9	8
M8X0.75	8	0.75	90	22	6	4.9	8
M8X0.5	8	0.5	90	22	6	4.9	8
M10	10	1.5	100	24	7	5.5	8
M10X1.25	10	1.25	100	24	7	5.5	8
M10X1	10	1	100	24	7	5.5	8
M10X0.75	10	0.75	100	24	7	5.5	8
M12	12	1.75	110	29	9	7	10
M12X1.5	12	1.5	110	29	9	7	10
M12X1.25	12	1.25	110	29	9	7	10
M12X1	12	1	110	29	9	7	10
M14	14	2	110	30	11	9	12
M14X1.5	14	1.5	110	30	11	9	12
M14X1.25	14	1.25	110	30	11	9	12
M14X1	14	1	110	30	11	9	12
M16	16	2	110	32	12	9	12
M16X1.5	16	1.5	110	32	12	9	12
M16X1	16	1	110	32	12	9	12
M18	18	2.5	125	34	14	11	14
M18X2	18	2	125	34	14	11	14
M18X1.5	18	1.5	125	34	14	11	14
M18X1	18	1	125	34	14	11	14
M20	20	2.5	140	34	16	12	15
M20X2	20	2	140	34	16	12	15
M20X1.5	20	1.5	140	34	16	12	15
M20X1	20	1	140	34	16	12	15



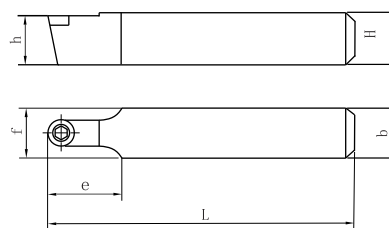
SRGCR/L90。

代 号 Code	L	b	H	f	h	e
SRGCR/L1616H08	100	16	16	20	16	16
SRGCR/L2020K08	125	20	20	25	20	16
SRGCR/L2020K10	125	20	20	25	20	18
SRGCR/L2525M10	150	25	25	25	25	18



SRGCR/L90。

代 号 Code	L	b	H	f	h	e
SRGCR/L1616H08	100	16	16	16.5	16	16
SRGCR/L2020K08	125	20	20	20.5	20	18
SRGCR/L2020K10	150	25	25	25.5	25	18
SRGCR/L2525M10	150	25	25	25.5	25	18



SRDCN 45°

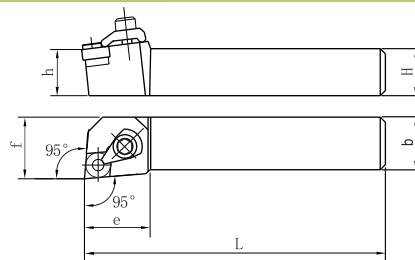
代 号 Code	L	b	H	f	h	e
SRDCN1616H08	100	16	16	12	16	18
SRDCN2020K08	125	20	20	14	20	18
SRDCN2020K10	125	20	20	15	20	18
SRDCN2525M10	150	25	25	17.5	25	18

车刀 TURNING TOOLS

复合压紧式外圆、端面车刀 MECHANICALLY-CLAMPED TURNING CUTTERS



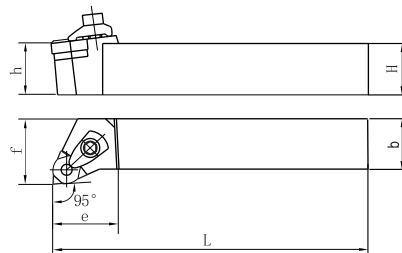
MCLNR/L95.



代号 Code	L	b	H	f	h	e
MCLNR/L1616H09	100	16	16	20	16	25
MCLNR/L2020K09	125	20	20	25	20	25
MCLNR/L2525M12	150	25	25	32	25	30
MCLNR/L3225P16	170	25	25	32	25	38
MCLNR/L3232P16	170	32	32	40	32	38
MCLNR/L4040R19	200	40	40	50	40	40
MCLNR/L4040S19	250	40	40	50	40	40



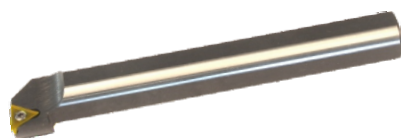
MWCLNR/L95.



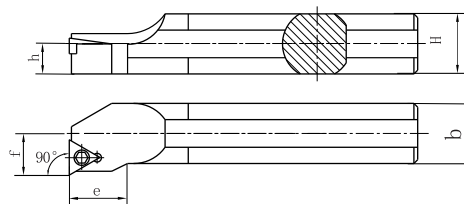
代号 Code	L	b	H	f	h	e
MWCLNR/L2020K06	125	20	20	25	20	25
MWCLNR/L2525M06	150	25	25	32	25	25
MWCLNR/L2525M08	150	25	25	32	25	30
MWCLNR/L3225P08	170	25	25	32	25	30

车刀 TURNING TOOLS

螺钉压紧式内孔车刀 SCREW CLAMPED TURNING CUTTERS



S-STFCR/L 90.



代号 Code	L	b	H	f	h	e
S16P-STFCR/L11	170	16	15	11	7.5	12
S20P-STFCR/L11	180	20	18	13	9	25
S25P-STFCR/L16	200	25	23	17	11.5	32
S32P-STFCR/L16	250	32	30	22	15	40
S40P-STFCR/L16	300	40	37	27	18.5	50

技术标准：GB4211-84

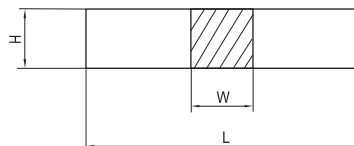
刀具材料：高速钢

订货注明:名称、长、宽、高

Technical standard: GB4211-84

Material: High-speed Steel

When ordering, please specify the name ,
length , width and height



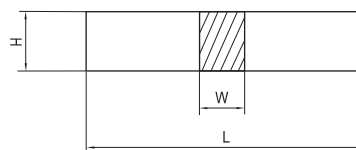
高 H Height	宽 W Width	长 L Length	高 H Height	宽 W Width	长 L Length	高 H Height	宽 W Width	长 L Length
4	4	63	8	8	160	14	14	100
4	4	80	10	8	200	14	14	160
5	5	63	10	10	63	14	14	200
5	5	80	10	10	80	16	16	100
6	6	63	10	10	100	16	16	160
6	6	80	10	10	160	16	16	200
6	6	100	10	10	200	18	18	160
6	6	160	12	12	63	18	18	200
6	6	200	12	12	80	22	22	160
8	8	63	12	12	100	25	22	200
8	8	80	12	12	160	25	25	160
8	8	100	12	12	20	25	25	200

高 H Height	宽 W Width	长 L Length	高 H Height	宽 W Width	长 L Length	高 H Height	宽 W Width	长 L Length
3/16	3/16	2-1/2	5/16	5/16	8	1/2	1/2	8
3/16	3/16	4	3/8	3/8	3	5/8	5/8	4-1/2
1/4	1/4	2-1/2	3/8	3/8	4	5/8	5/8	6
1/4	1/4	4	3/8	3/8	6	3/4	3/4	5
1/4	1/4	8	3/8	3/8	8	3/4	3/4	6
5/16	5/16	2-1/2	7/16	7/16	3-1/2	1	1	5-1/2
5/16	5/16	3	1/2	1/2	4	1	1	8
5/16	5/16	4	1/2	1/2	6			

车刀 TURNING TOOL

矩形高速钢车刀条

HIGH SPEED STEEL RECTANGULAR TOOL BITS



高 H HEIGHT	宽 W WIDTH	长 L LENGTH	高 H HEIGHT	宽 W WIDTH	长 L LENGTH	高 H HEIGHT	宽 W WIDTH	长 L LENGTH
25	6	160	16	8	100	20	12	160
25	6	200	16	8	160	20	12	200
25	6	160	16	8	200	25	12	160
25	6	200	16	10	100	25	12	200
12	8	100	16	10	160	25	16	160
12	8	160	16	10	200	25	16	200
12	8	200	20	10	160			

车刀 TURNING TOOL

圆形高速钢车刀条

HIGH SPEED STEEL ROUND TOOL BITS

直径 DIA.	长度 LENGTH	直径 DIA.	长度 LENGTH
4	63	8	160
4	80	10	80
4	100	10	100
5	63	10	160
5	80	10	200
5	100	12	100
6	63	12	160
6	80	12	200
6	100	16	100
6	160	16	160
8	80	16	200
8	100	20	200



直径 DIA.	长度 LENGTH	直径 DIA.	长度 LENGTH
1/8	2-1/2	1/4	6
1/8	4	5/16	4
3/16	2-1/2	3/8	4
3/16	4	3/8	6
1/4	2-1/2	1/2	4
1/4	4	1/2	6

刀具涂层技术简介

涂层是在真空加热条件下利用蒸发、辉光放电、弧光放电、溅射等物理方法提供原子、离子，使之在工件表面沉积形成薄膜的工艺。其中包括蒸镀、溅射沉积、磁控溅射以及各种离子束沉积方法等。

刀具涂层技术是一项为满足现代加工需求发展起来的新型刀具表面处理技术。通过物理气相沉积（Physical Vapor Deposition，PVD）的方法在刀具表面获得微纳米级的CrN、TiN、TiCN、TiAlN等薄膜，该薄膜具有硬度高、润滑性能好、耐高温性能优异等特点，可使刀具表面获得较高的表面硬度，延长了刀具使用寿命、大幅度地提高工作效率。国内涂层技术的发展，源自于20世纪80年代，在机械部的支持下，国内工具企业引进了美国的Multi-Arc、Vac-tec和瑞士BALZERS先进的涂层设备，开始应用PVD涂层技术对刀具进行涂层处理。

目前，刀具基体材料大多为高速钢和硬质合金。涂层可以大幅度减少刀具基体材料的磨损，提高刀具使用寿命。高速钢刀具和硬质合金刀具都可进行涂层处理。

陕西关中工具制造有限公司可按照用户的要求，对不同的被加工材料进行涂层处理，满足用户的加工需求，为用户创造价值。



公司刀具涂层生产线



 **陕西关中工具制造有限公司**
SHAANXI GUANZHONG TOOL MANUFACTURING CO., LTD



公司销售网络

2023

陕西关中工具制造有限公司



陕西关中工具制造有限公司

地址：陕西·凤翔·关中路34号

Add: 34 Guanzhong Rd.Fengxiang Shaanxi

电话(Tel): 0917-7222085

传真(Fax): 0917-7222312

邮编(Zip code): 721400

网址: <http://www.gztool.com.cn>

Email: gztool@263.net.cn

销售部

办公电话: 0917-7222139

售后服务: 0917-7222138

传真: 0917-7222138 7222139

Email: gztool@163.com

技术部

电话: 0917-7221529

0917-7222154