

做金属切削的好牙医!

-To be a good dentist for metal working industry!

AHNO STANDARD DRILLS 阿诺标准品钻头



**总部**

苏州阿诺精密切削技术有限公司

地址(Add): 江苏省苏州市工业园区科智路9号

Add: No.9 Kezhi Road, Suzhou Industrial Park, Jiangsu Province, PRC

邮编: 215122

电话 (Tel) : 销售: +86-512-62877712  
Sales +86-512-62877716

技术: +86-512-62877723  
Technical Department

传真(Fax): 0512-62561293 网址(Web): www.ahno-tool.com



阿诺微信公众号



阿诺官网

物流: 0512-62877732  
Logistics

邮箱(Mail): info@ahno-tool.com

**Standard Drills**  
**标准品钻头**

AHNO 阿诺

Cutting Tool Technology

# 阿诺产品概述

## AHNO PRODUCT OVERVIEW

### 阿诺标准品钻头

#### AHNO STANDARD DRILLS

#### 苏州阿诺精密切削技术有限公司

Suzhou Ahno Precision Cutting Tool Technology Co., Ltd.

#### 地址：中国江苏省苏州市工业园区科智路9号

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Jiangsu Province, PRC

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随着阿诺的研发和刀具技术的不断进步,本书所展示的  
产品如有更替新品,我们将另行通知。

源起  
{ORIGIN}

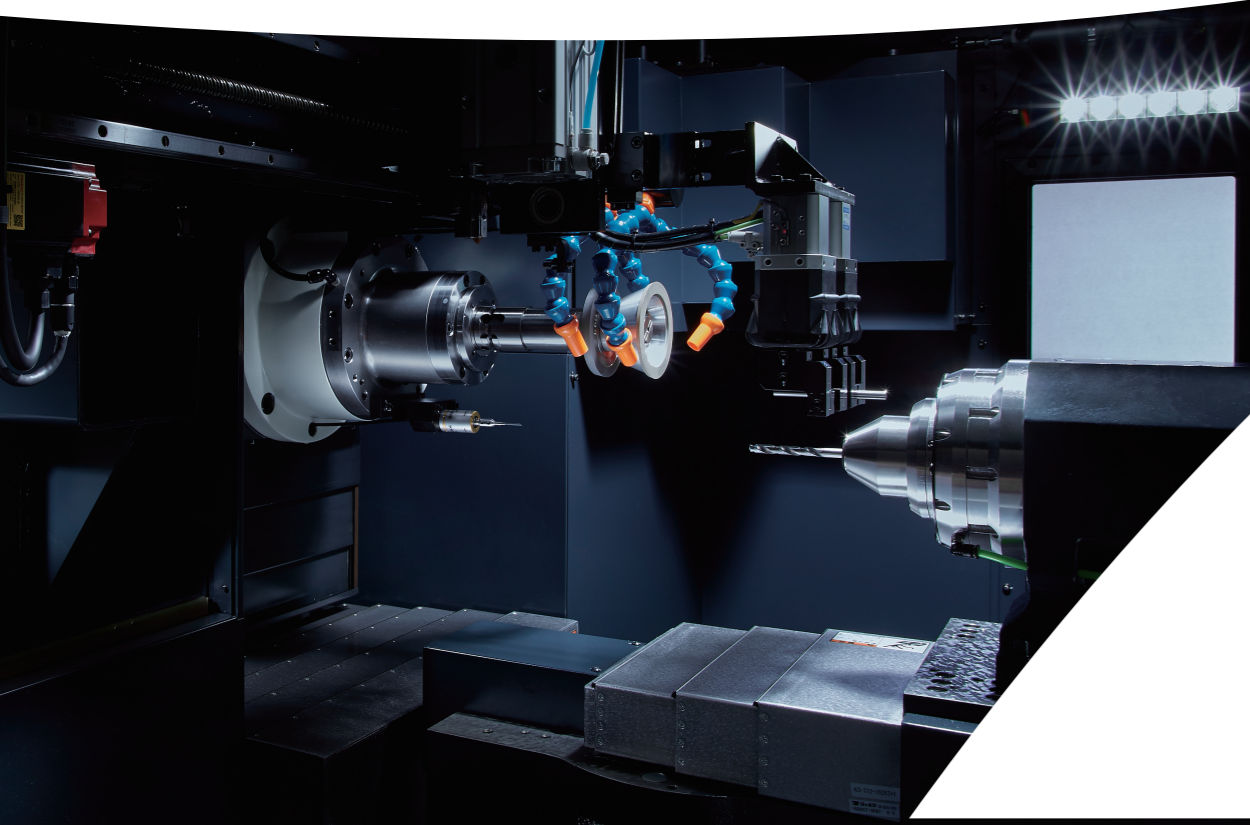
## Company Introduction 公司介绍



苏州阿诺精密切削技术有限公司成立于2002年，最初为中德合资企业，2016年与上市公司重组，成为鲍斯股份（股票代码：300441）重要组成部分，目前，集团员工数超1000人，其中以多名博士和硕士为主导的研发人员30余人，布局全球20家修磨中心和6个工厂。

阿诺提供高品质精密金属切削刀具的研发、设计、制造、修磨和技术支持等一条龙服务，产品包括非标刀具、标准刀具，医疗刀具、刀具涂层、刀具修磨、智能刀具柜、刀具管理等。

作为中国精密切削刀具领域里极具影响力的企业之一，阿诺的产品广泛应用于汽车工业、航空航天、模具制造、工程机械、精密机械、医疗行业等高端制造领域。阿诺将依托良好的硬件优势和人才优势，继续引领国内刀具制造及修磨领域，通过“快速精密制造、全国连锁修磨、专业刀具管理、整体解决方案”，阿诺是您值得信赖的合作伙伴！



Suzhou AHNO Precision Cutting Tool Technology Co., Ltd. was established in 2002. The current number of employees in AHNO Group exceeds 1100 people, of which over 30 researchers have doctor or master degree. AHNO has set up 6+ factories and 20+ chain regrinding centers in China, covering industrial cities nationwide and directly serving more than 3,500 high-quality end customers, to realize localization and rapid response to customer needs.

AHNO provides one-stop services for high-quality precision metal cutting tools, from R & D, designing, manufacturing, regrinding to technical support, etc. Products include special tools, standard tools, medical tools, tool coating, tool regrinding, intelligent tool cabinet and tool management, etc.

As one of the most influential precision cutting tool enterprises in China, AHNO's products are widely used in high-end manufacturing fields such as automotive industry, aerospace, mold manufacturing, engineering machinery, precision machinery, and medical industry. AHNO will rely on its good hardware and talent advantages, and continue to lead domestic tool manufacturing and regrinding field, through "rapid precision manufacturing, national chain regrinding, professional tool management, and overall solutions". AHNO is your trustworthy partner!



ISO13485&ISO9001 Certificate

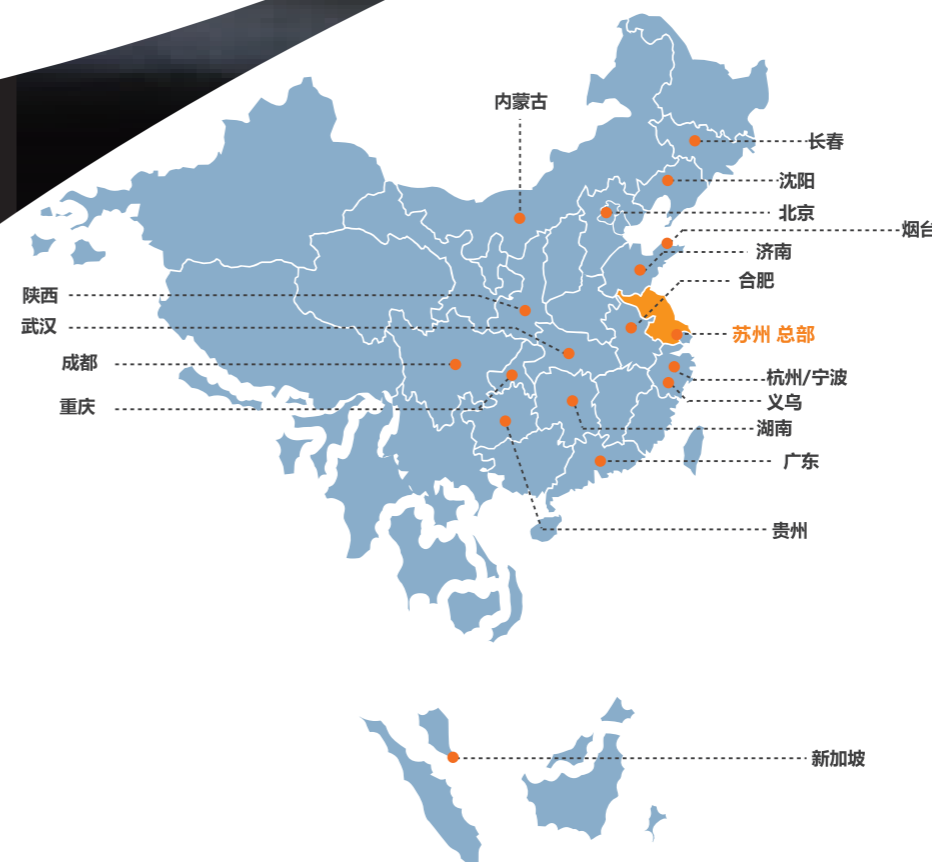
## 阿诺布局 AHNO's Layout

至今，阿诺在中国共开设20家修磨中心，业务能力覆盖全国工业城市，并直接服务于3500多家优质终端客户，实现客户需求本地化对接和快速响应。2017年3月，阿诺收购了新加坡亚狮精密刀具，专注服务东南亚刀具市场。

以客户为中心，阿诺坚持免费为广大客户提供用刀指导、现场技术服务和刀具优化建议等，无论您在哪里，您与阿诺仅有一个电话的距离。

In March 2017, AHNO has acquired Singapore Access Precision Tools PTE LTD to expand the tool market in South-east Asia.

Being customer-oriented, AHNO insists on providing free tool guidance, on-site technical services and tool optimization advice. Wherever you are, one phone call will connect you with AHNO.



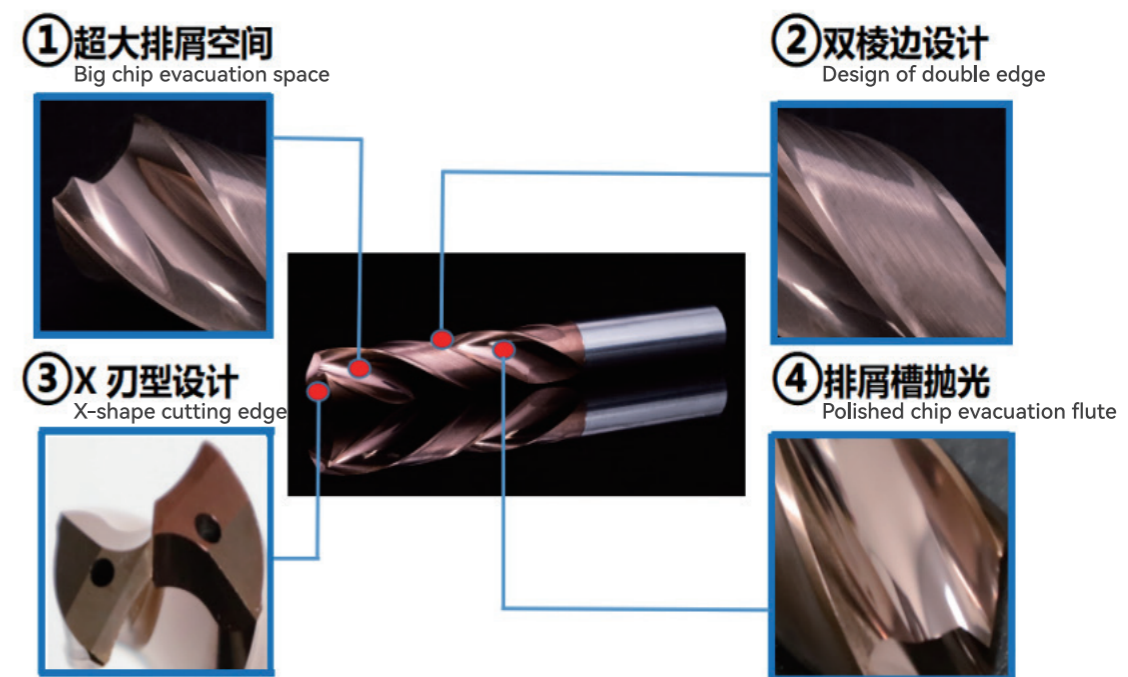
# Chapter Overview 章节目录

1	SP系列标准品钻头 SP Series Standard Drills	硬质合金麻花钻 Carbide Twist Drills 005 ~ 044  深孔钻 Deep Hole Drills 045 ~ 054  加工条件 Cutting Conditions 055 ~ 056  技术资料 Technical Information 057 ~ 058
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## 整体硬质合金钻头型号识别 Solid Carbide Drills Naming System

SP	—	X	8	0	1	03	0350
↓	↓	↓	↓	↓	↓	↓	↓
①系列名称 Series name	②被加工材料 Workpiece material	③钻头螺旋形式 Drill flute form	④钻头结构 Drill structure	⑤冷却方式 Coolant	⑥钻深比 Drill depth	⑦刃径 Diameter of cutting edge	
PF 高性能 High performance	P 钢件/铸铁 Steel/Cast iron	8 麻花钻 Carbide twist drill	0 普通 Normal drill	0 外冷 External coolant	03 3倍径 3 times	0350 3.5mm	
SP 钻神 Super drill	S 不锈钢 Stainless steel	7 直槽钻 Straight flute drill	1 同柄同径 dc=ds	1 内冷 Internal coolant	05 5倍径 5 times	1050 10.5mm	
	N 有色金属 Non-ferrous metals		2 三尖 Tritan-Drill		08 8倍径 8 times		
	X 通用(除有色金属) General (except for non-ferrous metals)		3 阶梯钻 Step drill		12 12倍径 12 times		

## 高效通用钻头SP-X系列 High-efficiency General-purpose Drill SP-X



SP-X80103

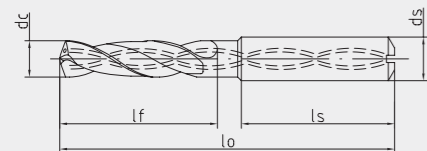
- 尺寸形式 参考DIN6537标准制造
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3xD SP

VHM H

140° 30°

HA DIN6535 Vc/f 077



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号-Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	20	4	36	62	0300		
3.1	20	4	36	62	0310		
3.2	20	4	36	62	0320		
3.3	20	4	36	62	0330	M4x0.7	
3.4	20	4	36	62	0340	NO.8-32UNC	
3.5	20	4	36	62	0350	M4x0.5 NO.8-36UNF	
3.6	20	4	36	62	0360		
3.7	20	4	36	62	0370		M4x0.7
3.8	24	4	36	66	0380		M4x0.5
3.9	24	4	36	66	0390	NO.10-24UNC	
4.0	24	4	36	66	0400		
4.1	24	6	36	66	0410	NO.10-32UNF	
4.2	24	6	36	66	0420	M5x0.8	
4.3	24	6	36	66	0430		
4.4	24	6	36	66	0440		
4.5	24	6	36	66	0450	M5x0.5 NO.12-24UNC	
4.6	24	6	36	66	0460	NO.12-28UNF	M5x0.8
4.7	24	6	36	66	0470	NO.12-32UNEF	
4.8	28	6	36	66	0480		
4.9	28	6	36	66	0490		
5.0	28	6	36	66	0500	M6x1	
5.1	28	6	36	66	0510	1/4-20UNC	
5.2	28	6	36	66	0520		
5.3	28	6	36	66	0530	M6x0.75	
5.4	28	6	36	66	0540		
5.5	28	6	36	66	0550	1/4-28UNF	M6x1
5.6	28	6	36	66	0560	1/4-32UNEF	
5.7	28	6	36	66	0570		
5.8	28	6	36	66	0580		
5.9	28	6	36	66	0590		
6.0	28	6	36	66	0600		
6.1	34	8	36	79	0610		
6.2	34	8	36	79	0620		
6.3	34	8	36	79	0630		
6.4	34	8	36	79	0640		
6.5	34	8	36	79	0650		
6.6	34	8	36	79	0660	5/16-18UNC	
6.7	34	8	36	79	0670		
6.8	34	8	36	79	0680	M8x1.25	
6.9	34	8	36	79	0690	5/16-24UNF	
7.0	34	8	36	79	0700	M8x1	
7.1	41	8	36	79	0710	5/16-32UNEF	
7.2	41	8	36	79	0720		
7.3	41	8	36	79	0730	M8x0.75	
7.4	41	8	36	79	0740		M8x1.25
7.5	41	8	36	79	0750		
7.6	41	8	36	79	0760		
7.7	41	8	36	79	0770		
7.8	41	8	36	79	0780		
7.9	41	8	36	79	0790		
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8.1	47	10	40	89	0810		

SP-X80103

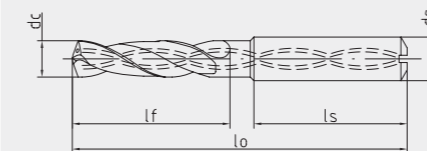
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Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
8.2	47	10	40	89	0820		
8.3	47	10	40	89	0830		
8.4	47	10	40	89	0840		
8.5	47	10	40	89	0850	M10x1.5 3/8-24UNF	
8.6	47	10	40	89	0860		
8.7	47	10	40	89	0870	3/8-32UNEF	
8.8	47	10	40	89	0880	M10x1.25	
8.9	47	10	40	89	0890		
9.0	47	10	40	89	0900	M10x1	
9.1	47	10	40	89	0910		
9.2	47	10	40	89	0920		
9.3	47	10	40	89	0930	M10x0.75	M10x1.5
9.4	47	10	40	89	0940	7/16-14UNC	
9.5	47	10	40	89	0950		
9.6	47	10	40	89	0960		
9.7	47	10	40	89	0970		
9.8	47	10	40	89	0980		
9.9	47	10	40	89	0990	7/16-20UNF	
10.0	47	10	40	89	1000		
10.1	55	12	45	102	1010		
10.2	55	12	45	102	1020	7/16-28UNEF	
10.3	55	12	45	102	1030	M12x1.75	
10.4	55	12	45	102	1040		
10.5	55	12	45	102	1050		
10.6	55	12	45	102	1060		
10.7	55	12	45	102	1070		
10.8	55	12	45	102	1080		
10.9	55	12	45	102	1090	1/2-13UNC	
11.0	55	12	45	102	1100	M12x1	
11.1	55	12	45	102	1110		
11.2	55	12	45	102	1120		M12x1.75
11.3	55	12	45	102	1130		
11.4	55	12	45	102	1140		
11.5	55	12	45	102	1150	1/2-20UNF	
11.6	55	12	45	102	1160		
11.7	55	12	45	102	1170		
11.8	55	12	45	102	1180	1/2-28UNEF	
11.9	55	12	45	102	1190		
12.0	55	12	45	102	1200	M14x2	
12.1	60	14	45	107	1210		
12.2	60	14	45	107	1220	9/16-12UNC	
12.3	60	14	45	107	1230		
12.4	60	14	45	107	1240		
12.5	60	14	45	107	1250	M14x1.5	
12.6	60	14	45	107	1260		
12.7	60	14	45	107	1270		
12.8	60	14	45	107	1280		
12.9	60	14	45	107	1290	9/16-18UNF	
13.0	60	14	45	107	1300	M14x1	M14x2
13.1	60	14	45	107	1310		
13.2	60	14	45	107	1320	9/16-24UNEF	
13.3	60	14	45	107	1330		

SP-X80103

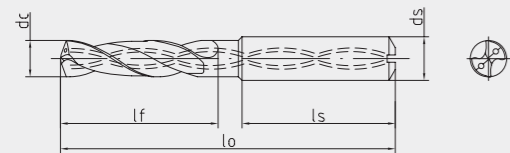
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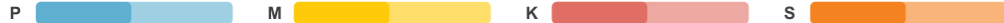
VHM H

140° 30°

HA DIN6535 Vc/f 077



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订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
13.4	60	14	45	107	1340		
13.5	60	14	45	107	1350		
13.6	60	14	45	107	1360	5/8-11UNC	
13.7	60	14	45	107	1370		
13.8	60	14	45	107	1380		
13.9	60	14	45	107	1390		
14.0	60	14	45	107	1400	M16x2	
14.1	65	16	48	115	1410		
14.2	65	16	48	115	1420		
14.3	65	16	48	115	1430		
14.4	65	16	48	115	1440		
14.5	65	16	48	115	1450	M16x1.5 5/8-18UNF	
14.6	65	16	48	115	1460		
14.7	65	16	48	115	1470		
14.8	65	16	48	115	1480	5/8-24UNEF	
14.9	65	16	48	115	1490		
15.0	65	16	48	115	1500	M16x1	M16x2
15.1	65	16	48	115	1510		
15.2	65	16	48	115	1520		
15.3	65	16	48	115	1530		
15.4	65	16	48	115	1540		
15.5	65	16	48	115	1550	M18x2.5	
15.6	65	16	48	115	1560		
15.7	65	16	48	115	1570		
15.8	65	16	48	115	1580		
15.9	65	16	48	115	1590		
16.0	65	16	48	115	1600	M18x2	
16.1	73	18	48	123	1610		
16.2	73	18	48	123	1620		
16.3	73	18	48	123	1630		
16.4	73	18	48	123	1640		
16.5	73	18	48	123	1650		
16.6	73	18	48	123	1660	3/4-10UNC	
16.7	73	18	48	123	1670		
16.8	73	18	48	123	1680		
16.9	73	18	48	123	1690		
17.0	73	18	48	123	1700	M18x1	
17.1	73	18	48	123	1710		
17.2	73	18	48	123	1720		
17.3	73	18	48	123	1730		
17.4	73	18	48	123	1740		
17.5	73	18	48	123	1750	M20x2.5 3/4-16UNF	
17.6	73	18	48	123	1760		
17.7	73	18	48	123	1770		
17.8	73	18	48	123	1780	3/4-20UNEF	
17.9	73	18	48	123	1790		
18.0	73	18	48	123	1800	M20x2	
18.1	79	20	50	131	1810		
18.2	79	20	50	131	1820		
18.3	79	20	50	131	1830		
18.4	79	20	50	131	1840		
18.5	79	20	50	131	1850	M20x1.5	

SP-X80103

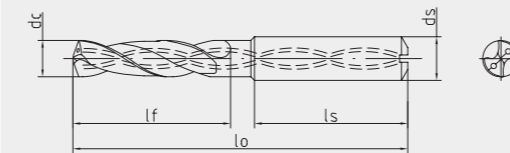
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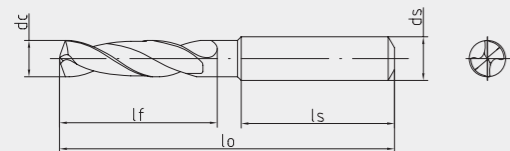


订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
18.6	79	20	50	131	1860		
18.7	79	20	50	131	1870		
18.8	79	20	50	131	1880		
18.9	79	20	50	131	1890		
19.0	79	20	50	131	1900	M20x1	
19.1	79	20	50	131	1910		
19.2	79	20	50	131	1920		
19.3	79	20	50	131	1930		
19.4	79	20	50	131	1940		
19.5	79	20	50	131	1950		
19.6	79	20	50	131	1960	7/8-9UNC	
19.7	79	20	50	131	1970		
19.8	79	20	50	131	1980		
19.9	79	20	50	131	1990		
20.0	79	20	50	131	2000	M22x2	

SP-X80003

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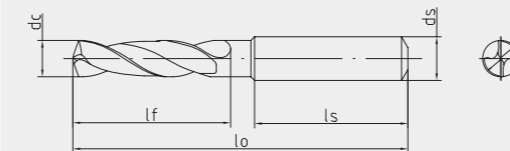
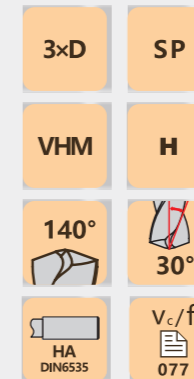


订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	20	6	36	62	0300		
3.1	20	6	36	62	0310		
3.2	20	6	36	62	0320		
3.3	20	6	36	62	0330		
3.4	20	6	36	62	0340		
3.5	20	6	36	62	0350	M4x0.7 NO.8-32UNC	
3.6	20	6	36	62	0360	M4x0.5 NO.8-36UNF	
3.7	20	6	36	62	0370		M4x0.7
3.8	24	6	36	66	0380		M4x0.5
3.9	24	6	36	66	0390	NO.10-24UNC	
4.0	24	6	36	66	0400		
4.1	24	6	36	66	0410	NO.10-32UNF	
4.2	24	6	36	66	0420	M5x0.8	
4.3	24	6	36	66	0430		
4.4	24	6	36	66	0440		
4.5	24	6	36	66	0450	M5x0.5 NO.12-24UNC	
4.6	24	6	36	66	0460	NO.12-28UNF	M5x0.8
4.7	24	6	36	66	0470	NO.12-32UNEF	
4.8	28	6	36	66	0480		
4.9	28	6	36	66	0490		
5.0	28	6	36	66	0500	M6x1	
5.1	28	6	36	66	0510	1/4-20UNC	
5.2	28	6	36	66	0520		
5.3	28	6	36	66	0530	M6x0.75	
5.4	28	6	36	66	0540		M6x1
5.5	28	6	36	66	0550	1/4-28UNF	
5.6	28	6	36	66	0560	1/4-32UNEF	
5.7	28	6	36	66	0570		
5.8	28	6	36	66	0580		
5.9	28	6	36	66	0590		
6.0	28	6	36	66	0600		
6.1	34	8	36	79	0610		
6.2	34	8	36	79	0620		
6.3	34	8	36	79	0630		
6.4	34	8	36	79	0640		
6.5	34	8	36	79	0650		
6.6	34	8	36	79	0660	5/16-18UNC	
6.7	34	8	36	79	0670		
6.8	34	8	36	79	0680	M8x1.25	
6.9	34	8	36	79	0690	5/16-24UNF	
7.0	34	8	36	79	0700	M8x1	
7.1	41	8	36	79	0710	5/16-32UNEF	
7.2	41	8	36	79	0720		
7.3	41	8	36	79	0730	M8x0.75	
7.4	41	8	36	79	0740		M8x1.25
7.5	41	8	36	79	0750		
7.6	41	8	36	79	0760		
7.7	41	8	36	79	0770		
7.8	41	8	36	79	0780		
7.9	41	8	36	79	0790		
8.0	41	8	36	79	0800	3/8-16UNC	
8.1	47	10	40	89	0810		

SP-X80003

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
8.2	47	10	40	89	0820		
8.3	47	10	40	89	0830		
8.4	47	10	40	89	0840		
8.5	47	10	40	89	0850	M10x1.5 3/8-24UNF	
8.6	47	10	40	89	0860		
8.7	47	10	40	89	0870	3/8-32UNEF	
8.8	47	10	40	89	0880	M10x1.25	
8.9	47	10	40	89	0890		
9.0	47	10	40	89	0900	M10x1	
9.1	47	10	40	89	0910		
9.2	47	10	40	89	0920		
9.3	47	10	40	89	0930	M10x0.75	M10x1.5
9.4	47	10	40	89	0940	7/16-14UNC	
9.5	47	10	40	89	0950		
9.6	47	10	40	89	0960		
9.7	47	10	40	89	0970		
9.8	47	10	40	89	0980		
9.9	47	10	40	89	0990	7/16-20UNF	
10.0	47	10	40	89	1000		
10.1	55	12	45	102	1010		
10.2	55	12	45	102	1020	7/16-28UNEF	
10.3	55	12	45	102	1030	M12x1.75	
10.4	55	12	45	102	1040		
10.5	55	12	45	102	1050		
10.6	55	12	45	102	1060		
10.7	55	12	45	102	1070		
10.8	55	12	45	102	1080		
10.9	55	12	45	102	1090	1/2-13UNC	
11.0	55	12	45	102	1100	M12x1	
11.1	55	12	45	102	1110		
11.2	55	12	45	102	1120		M12x1.75
11.3	55	12	45	102	1130		
11.4	55	12	45	102	1140		
11.5	55	12	45	102	1150	1/2-20UNF	
11.6	55	12	45	102	1160		
11.7	55	12	45	102	1170		
11.8	55	12	45	102	1180	1/2-28UNEF	
11.9	55	12	45	102	1190		
12.0	55	12	45	102	1200	M14x2	
12.1	60	14	45	107	1210		
12.2	60	14	45	107	1220	9/16-12UNC	
12.3	60	14	45	107	1230		
12.4	60	14	45	107	1240		
12.5	60	14	45	107	1250	M14x1.5	
12.6	60	14	45	107	1260		
12.7	60	14	45	107	1270		
12.8	60	14	45	107	1280		
12.9	60	14	45	107	1290	9/16-18UNF	
13.0	60	14	45	107	1300	M14x1	M14x2
13.1	60	14	45	107	1310		
13.2	60	14	45	107	1320	9/16-24UNEF	
13.3	60	14	45	107	1330		

SP-X80003

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

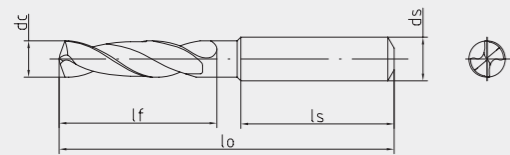
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

3xD SP

VHM H

140° 30°

HA DIN6535 V<sub>c</sub>/f 077



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
13.4	60	14	45	107	1340		
13.5	60	14	45	107	1350		
13.6	60	14	45	107	1360	5/8-11UNC	
13.7	60	14	45	107	1370		
13.8	60	14	45	107	1380		
13.9	60	14	45	107	1390		
14.0	60	14	45	107	1400	M16x2	
14.1	65	16	48	115	1410		
14.2	65	16	48	115	1420		
14.3	65	16	48	115	1430		
14.4	65	16	48	115	1440		
14.5	65	16	48	115	1450	M16x1.5 5/8-18UNF	
14.6	65	16	48	115	1460		
14.7	65	16	48	115	1470		
14.8	65	16	48	115	1480	5/8-24UNEF	
14.9	65	16	48	115	1490		
15.0	65	16	48	115	1500	M16x1	M16x2
15.1	65	16	48	115	1510		
15.2	65	16	48	115	1520		
15.3	65	16	48	115	1530		
15.4	65	16	48	115	1540		
15.5	65	16	48	115	1550	M18x2.5	
15.6	65	16	48	115	1560		
15.7	65	16	48	115	1570		
15.8	65	16	48	115	1580		
15.9	65	16	48	115	1590		
16.0	65	16	48	115	1600	M18x2	
16.1	73	18	48	123	1610		
16.2	73	18	48	123	1620		
16.3	73	18	48	123	1630		
16.4	73	18	48	123	1640		
16.5	73	18	48	123	1650		
16.6	73	18	48	123	1660	3/4-10UNC	
16.7	73	18	48	123	1670		
16.8	73	18	48	123	1680		
16.9	73	18	48	123	1690		
17.0	73	18	48	123	1700	M18x1	
17.1	73	18	48	123	1710		
17.2	73	18	48	123	1720		
17.3	73	18	48	123	1730		
17.4	73	18	48	123	1740		
17.5	73	18	48	123	1750	M20x2.5 3/4-16UNF	
17.6	73	18	48	123	1760		
17.7	73	18	48	123	1770		
17.8	73	18	48	123	1780	3/4-20UNEF	
17.9	73	18	48	123	1790		
18.0	73	18	48	123	1800	M20x2	
18.1	79	20	50	131	1810		
18.2	79	20	50	131	1820		
18.3	79	20	50	131	1830		
18.4	79	20	50	131	1840		
18.5	79	20	50	131	1850	M20x1.5	

SP-X80003

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

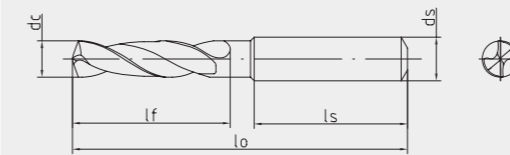
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

3xD SP

VHM H

140° 30°

HA DIN6535 V<sub>c</sub>/f 077



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



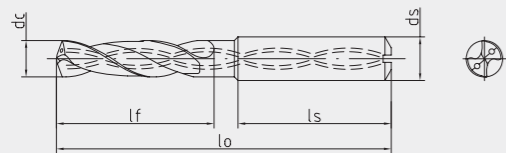
订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
18.6	79	20	50	131	1860		
18.7	79	20	50	131	1870		
18.8	79	20	50	131	1880		
18.9	79	20	50	131	1890		
19.0	79	20	50	131	1900	M20x1	
19.1	79	20	50	131	1910		
19.2	79	20	50	131	1920		
19.3	79	20	50	131	1930		
19.4	79	20	50	131	1940		
19.5	79	20	50	131	1950		
19.6	79	20	50	131	1960	7/8-9UNC	
19.7	79	20	50	131	1970		
19.8	79	20	50	131	1980		
19.9	79	20	50	131	1990		
20.0	79	20	50	131	2000	M22x2	



SP-N80103

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

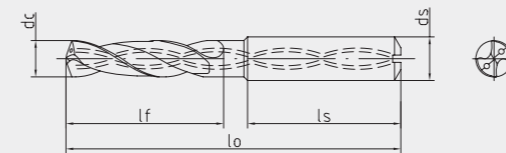
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订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	20	4	36	62	0300		
3.1	20	4	36	62	0310		
3.2	20	4	36	62	0320		
3.3	20	4	36	62	0330	M4x0.7	
3.4	20	4	36	62	0340	NO.8-32UNC	
3.5	20	4	36	62	0350	M4x0.5 NO.8-36UNF	
3.6	20	4	36	62	0360		
3.7	20	4	36	62	0370		M4x0.7
3.8	24	4	36	66	0380		M4x0.5
3.9	24	4	36	66	0390	NO.10-24UNC	
4.0	24	4	36	66	0400		
4.1	24	6	36	66	0410	NO.10-32UNF	
4.2	24	6	36	66	0420	M5x0.8	
4.3	24	6	36	66	0430		
4.4	24	6	36	66	0440		
4.5	24	6	36	66	0450	M5x0.5 NO.12-24UNC	
4.6	24	6	36	66	0460	NO.12-28UNF	M5x0.8
4.7	24	6	36	66	0470	NO.12-32UNEF	
4.8	28	6	36	66	0480		
4.9	28	6	36	66	0490		
5.0	28	6	36	66	0500	M6x1	
5.1	28	6	36	66	0510	1/4-20UNC	
5.2	28	6	36	66	0520		
5.3	28	6	36	66	0530	M6x0.75	
5.4	28	6	36	66	0540		
5.5	28	6	36	66	0550	1/4-28UNF	M6x1
5.6	28	6	36	66	0560	1/4-32UNEF	
5.7	28	6	36	66	0570		
5.8	28	6	36	66	0580		
5.9	28	6	36	66	0590		
6.0	28	6	36	66	0600		
6.1	34	8	36	79	0610		
6.2	34	8	36	79	0620		
6.3	34	8	36	79	0630		
6.4	34	8	36	79	0640		
6.5	34	8	36	79	0650		
6.6	34	8	36	79	0660	5/16-18UNC	
6.7	34	8	36	79	0670		
6.8	34	8	36	79	0680	M8x1.25	
6.9	34	8	36	79	0690	5/16-24UNF	
7.0	34	8	36	79	0700	M8x1	
7.1	41	8	36	79	0710	5/16-32UNEF	
7.2	41	8	36	79	0720		
7.3	41	8	36	79	0730	M8x0.75	
7.4	41	8	36	79	0740		M8x1.25
7.5	41	8	36	79	0750		
7.6	41	8	36	79	0760		
7.7	41	8	36	79	0770		
7.8	41	8	36	79	0780		
7.9	41	8	36	79	0790		
8.0	41	8	36	79	0800	3/8-16UNC	
8.1	47	10	40	89	0810		

SP-N80103

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

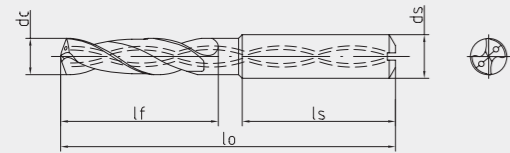
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订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
8.2	47	10	40	89	0820		
8.3	47	10	40	89	0830		
8.4	47	10	40	89	0840		
8.5	47	10	40	89	0850	M10x1.5 3/8-24UNF	
8.6	47	10	40	89	0860		
8.7	47	10	40	89	0870	3/8-32UNEF	
8.8	47	10	40	89	0880	M10x1.25	
8.9	47	10	40	89	0890		
9.0	47	10	40	89	0900	M10x1	
9.1	47	10	40	89	0910		
9.2	47	10	40	89	0920		
9.3	47	10	40	89	0930	M10x0.75	M10x1.5
9.4	47	10	40	89	0940	7/16-14UNC	
9.5	47	10	40	89	0950		
9.6	47	10	40	89	0960		
9.7	47	10	40	89	0970		
9.8	47	10	40	89	0980		
9.9	47	10	40	89	0990	7/16-20UNF	
10.0	47	10	40	89	1000		
10.1	55	12	45	102	1010		
10.2	55	12	45	102	1020	7/16-28UNEF	
10.3	55	12	45	102	1030	M12x1.75	
10.4	55	12	45	102	1040		
10.5	55	12	45	102	1050		
10.6	55	12	45	102	1060		
10.7	55	12	45	102	1070		
10.8	55	12	45	102	1080		
10.9	55	12	45	102	1090	1/2-13UNC	
11.0	55	12	45	102	1100	M12x1	
11.1	55	12	45	102	1110		
11.2	55	12	45	102	1120		M12x1.75
11.3	55	12	45	102	1130		
11.4	55	12	45	102	1140		
11.5	55	12	45	102	1150	1/2-20UNF	
11.6	55	12	45	102	1160		
11.7	55	12	45	102	1170		
11.8	55	12	45	102	1180	1/2-28UNEF	
11.9	55	12	45	102	1190		
12.0	55	12	45	102	1200	M14x2	
12.1	60	14	45	107	1210		
12.2	60	14	45	107	1220	9/16-12UNC	
12.3	60	14	45	107	1230		
12.4	60	14	45	107	1240		
12.5	60	14	45	107	1250	M14x1.5	
12.6	60	14	45	107	1260		
12.7	60	14	45	107	1270		
12.8	60	14	45	107	1280		
12.9	60	14	45	107	1290	9/16-18UNF	
13.0	60	14	45	107	1300	M14x1	M14x2
13.1	60	14	45	107	1310		
13.2	60	14	45	107	1320	9/16-24UNEF	
13.3	60	14	45	107	1330		

SP-N80103

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

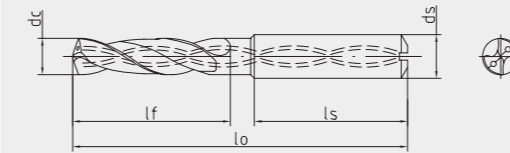
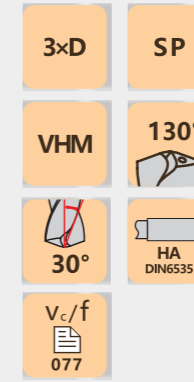
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订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
13.4	60	14	45	107	1340		
13.5	60	14	45	107	1350		
13.6	60	14	45	107	1360	5/8-11UNC	
13.7	60	14	45	107	1370		
13.8	60	14	45	107	1380		
13.9	60	14	45	107	1390		
14.0	60	14	45	107	1400	M16x2	
14.1	65	16	48	115	1410		
14.2	65	16	48	115	1420		
14.3	65	16	48	115	1430		
14.4	65	16	48	115	1440		
14.5	65	16	48	115	1450	M16x1.5 5/8-18UNF	
14.6	65	16	48	115	1460		
14.7	65	16	48	115	1470		
14.8	65	16	48	115	1480	5/8-24UNEF	
14.9	65	16	48	115	1490		
15.1	65	16	48	115	1500	M16x1	M16x2
15.2	65	16	48	115	1520		
15.3	65	16	48	115	1530		
15.4	65	16	48	115	1540		
15.5	65	16	48	115	1550	M18x2.5	
15.6	65	16	48	115	1560		
15.7	65	16	48	115	1570		
15.8	65	16	48	115	1580		
15.9	65	16	48	115	1590		
16.0	65	16	48	115	1600	M18x2	
16.1	73	18	48	123	1610		
16.2	73	18	48	123	1620		
16.3	73	18	48	123	1630		
16.4	73	18	48	123	1640		
16.5	73	18	48	123	1650		
16.6	73	18	48	123	1660	3/4-10UNC	
16.7	73	18	48	123	1670		
16.8	73	18	48	123	1680		
16.9	73	18	48	123	1690		
17.0	73	18	48	123	1700	M18x1	
17.1	73	18	48	123	1710		
17.2	73	18	48	123	1720		
17.3	73	18	48	123	1730		
17.4	73	18	48	123	1740		
17.5	73	18	48	123	1750	M20x2.5 3/4-16UNF	
17.6	73	18	48	123	1760		
17.7	73	18	48	123	1770		
17.8	73	18	48	123	1780	3/4-20UNEF	
17.9	73	18	48	123	1790		
18.0	73	18	48	123	1800	M20x2	
18.1	79	20	50	131	1810		
18.2	79	20	50	131	1820		
18.3	79	20	50	131	1830		
18.4	79	20	50	131	1840		
18.5	79	20	50	131	1850	M20x1.5	

SP-N80103

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

N N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
18.6	79	20	50	131	1860		
18.7	79	20	50	131	1870		
18.8	79	20	50	131	1880		
18.9	79	20	50	131	1890		
19.0	79	20	50	131	1900	M20x1	
19.1	79	20	50	131	1910		
19.2	79	20	50	131	1920		
19.3	79	20	50	131	1930		
19.4	79	20	50	131	1940		
19.5	79	20	50	131	1950		
19.6	79	20	50	131	1960	7/8-9UNC	
19.7	79	20	50	131	1970		
19.8	79	20	50	131	1980		
19.9	79	20	50	131	1990		
20.0	79	20	50	131	2000	M22x2	

SP-N80003

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

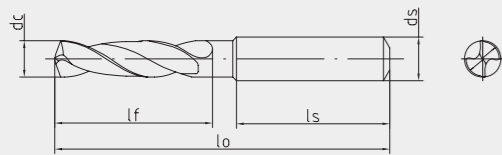
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

3xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 077



适合加工材料: N Suitable for materials: N

N

订货编号-Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	20	6	36	62	0300		
3.1	20	6	36	62	0310		
3.2	20	6	36	62	0320		
3.3	20	6	36	62	0330		
3.4	20	6	36	62	0340		
3.5	20	6	36	62	0350	M4x0.7	
3.6	20	6	36	62	0360	NO.8-32UNC	
3.7	20	6	36	62	0370	M4x0.5 NO.8-36UNF	
3.8	24	6	36	66	0380		M4x0.7
3.9	24	6	36	66	0390		M4x0.5
4.0	24	6	36	66	0400	NO.10-24UNC	
4.1	24	6	36	66	0410		
4.2	24	6	36	66	0420	NO.10-32UNF	
4.3	24	6	36	66	0430	M5x0.8	
4.4	24	6	36	66	0440		
4.5	24	6	36	66	0450	M5x0.5 NO.12-24UNC	
4.6	24	6	36	66	0460	NO.12-28UNF	
4.7	24	6	36	66	0470	NO.12-32UNEF	M5x0.8
4.8	28	6	36	66	0480		
4.9	28	6	36	66	0490		
5.0	28	6	36	66	0500	M6x1	
5.1	28	6	36	66	0510	1/4-20UNC	
5.2	28	6	36	66	0520		
5.3	28	6	36	66	0530	M6x0.75	
5.4	28	6	36	66	0540		
5.5	28	6	36	66	0550	1/4-28UNF	M6x1
5.6	28	6	36	66	0560	1/4-32UNEF	
5.7	28	6	36	66	0570		
5.8	28	6	36	66	0580		
5.9	28	6	36	66	0590		
6.0	28	6	36	66	0600		
6.1	34	8	36	79	0610		
6.2	34	8	36	79	0620		
6.3	34	8	36	79	0630		
6.4	34	8	36	79	0640		
6.5	34	8	36	79	0650		
6.6	34	8	36	79	0660	5/16-18UNC	
6.7	34	8	36	79	0670		
6.8	34	8	36	79	0680	M8x1.25	
6.9	34	8	36	79	0690	5/16-24UNF	
7.0	34	8	36	79	0700	M8x1	
7.1	41	8	36	79	0710	5/16-32UNEF	
7.2	41	8	36	79	0720		
7.3	41	8	36	79	0730	M8x0.75	
7.4	41	8	36	79	0740		M8x1.25
7.5	41	8	36	79	0750		
7.6	41	8	36	79	0760		
7.7	41	8	36	79	0770		
7.8	41	8	36	79	0780		
7.9	41	8	36	79	0790		
8.0	41	8	36	79	0800	3/8-16UNC	
8.1	47	10	40	89	0810		

SP-N80003

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

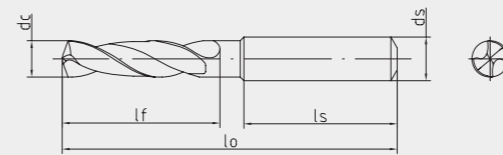
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

3xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 077



适合加工材料: N Suitable for materials: N

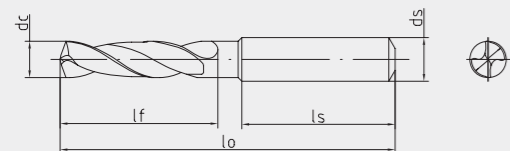
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订货编号-Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
8.2	47	10	40	89	0820		
8.3	47	10	40	89	0830		
8.4	47	10	40	89	0840		
8.5	47	10	40	89	0850	M10x1.5 3/8-24UNF	
8.6	47	10	40	89	0860		
8.7	47	10	40	89	0870	3/8-32UNEF	
8.8	47	10	40	89	0880	M10x1.25	
8.9	47	10	40	89	0890		
9.0	47	10	40	89	0900	M10x1	
9.1	47	10	40	89	0910		
9.2	47	10	40	89	0920		
9.3	47	10	40	89	0930	M10x0.75	M10x1.5
9.4	47	10	40	89	0940	7/16-14UNC	
9.5	47	10	40	89	0950		
9.6	47	10	40	89	0960		
9.7	47	10	40	89	0970		
9.8	47	10	40	89	0980		
9.9	47	10	40	89	0990	7/16-20UNF	
10.0	47	10	40	89	1000		
10.1	55	12	45	102	1010		
10.2	55	12	45	102	1020	7/16-28UNEF	
10.3	55	12	45	102	1030	M12x1.75	
10.4	55	12	45	102	1040		
10.5	55	12	45	102	1050		
10.6	55	12	45	102	1060		
10.7	55	12	45	102	1070		
10.8	55	12	45	102	1080		
10.9	55	12	45	102	1090	1/2-13UNC	
11.0	55	12	45	102	1100	M12x1	
11.1	55	12	45	102	1110		
11.2	55	12	45	102	1120		M12x1.75
11.3	55	12	45	102	1130		
11.4	55	12	45	102	1140		
11.5	55	12	45	102	1150	1/2-20UNF	
11.6	55	12	45	102	1160		
11.7	55	12	45	102	1170		
11.8	55	12	45	102	1180	1/2-28UNEF	
11.9	55	12	45	102	1190		
12.0	55	12	45	102	1200	M14x2	
12.1	60	14	45	107	1210		
12.2	60	14	45	107	1220	9/16-12UNC	
12.3	60	14	45	107	1230		
12.4	60	14	45	107	1240		
12.5	60	14	45	107	1250	M14x1.5	
12.6	60	14	45	107	1260		
12.7	60	14	45	107	1270		
12.8	60	14	45	107	1280		
12.9	60	14	45	107	1290	9/16-18UNF	
13.0	60	14	45	107	1300	M14x1	M14x2
13.1	60	14	45	107	1310		
13.2	60	14	45	107	1320	9/16-24UNEF	
13.3	60	14	45	107	1330		

SP-N80003

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

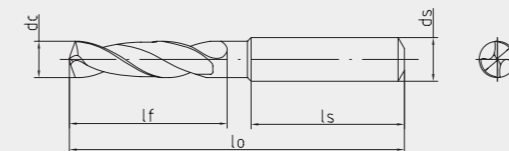
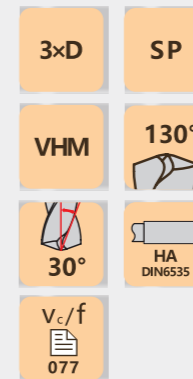
N N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
13.4	60	14	45	107	1340		
13.5	60	14	45	107	1350		
13.6	60	14	45	107	1360	5/8-11UNC	
13.7	60	14	45	107	1370		
13.8	60	14	45	107	1380		
13.9	60	14	45	107	1390		
14.0	60	14	45	107	1400	M16x2	
14.1	65	16	48	115	1410		
14.2	65	16	48	115	1420		
14.3	65	16	48	115	1430		
14.4	65	16	48	115	1440		
14.5	65	16	48	115	1450	M16x1.5 5/8-18UNF	
14.6	65	16	48	115	1460		
14.7	65	16	48	115	1470		
14.8	65	16	48	115	1480	5/8-24UNEF	
14.9	65	16	48	115	1490		
15.0	65	16	48	115	1500	M16x1	M16x2
15.1	65	16	48	115	1510		
15.2	65	16	48	115	1520		
15.3	65	16	48	115	1530		
15.4	65	16	48	115	1540		
15.5	65	16	48	115	1550	M18x2.5	
15.6	65	16	48	115	1560		
15.7	65	16	48	115	1570		
15.8	65	16	48	115	1580		
15.9	65	16	48	115	1590		
16.0	65	16	48	115	1600	M18x2	
16.1	73	18	48	123	1610		
16.2	73	18	48	123	1620		
16.3	73	18	48	123	1630		
16.4	73	18	48	123	1640		
16.5	73	18	48	123	1650		
16.6	73	18	48	123	1660	3/4-10UNC	
16.7	73	18	48	123	1670		
16.8	73	18	48	123	1680		
16.9	73	18	48	123	1690		
17.0	73	18	48	123	1700	M18x1	
17.1	73	18	48	123	1710		
17.2	73	18	48	123	1720		
17.3	73	18	48	123	1730		
17.4	73	18	48	123	1740		
17.5	73	18	48	123	1750	M20x2.5 3/4-16UNF	
17.6	73	18	48	123	1760		
17.7	73	18	48	123	1770		
17.8	73	18	48	123	1780	3/4-20UNEF	
17.9	73	18	48	123	1790		
18.0	73	18	48	123	1800	m20x2	
18.1	79	20	50	131	1810		
18.2	79	20	50	131	1820		
18.3	79	20	50	131	1830		
18.4	79	20	50	131	1840		
18.5	79	20	50	131	1850	M20x1.5	

SP-N80003

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

N N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
18.6	79	20	50	131	1860		
18.7	79	20	50	131	1870		
18.8	79	20	50	131	1880		
18.9	79	20	50	131	1890		
19.0	79	20	50	131	1900	M20x1	
19.1	79	20	50	131	1910		
19.2	79	20	50	131	1920		
19.3	79	20	50	131	1930		
19.4	79	20	50	131	1940		
19.5	79	20	50	131	1950		
19.6	79	20	50	131	1960	7/8-9UNC	
19.7	79	20	50	131	1970		
19.8	79	20	50	131	1980		
19.9	79	20	50	131	1990		
20.0	79	20	50	131	2000	M22x2	

SP-X80105

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

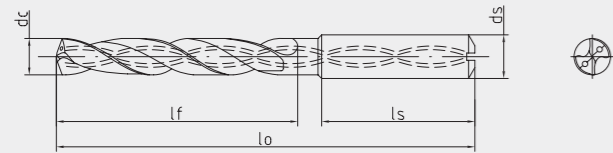
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Fine polished flute
- Super performance tools
- Universality on different materials

5xD SP

VHM H

140° 30°

HA DIN6535 Vc/f 078



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap			
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap		
3.0	28	4	36	66	0300				
3.1	28	4	36	66	0310				
3.2	28	4	36	66	0320				
3.3	28	4	36	66	0330	M4x0.7			
3.4	28	4	36	66	0340	NO.8-32UNC			
3.5	28	4	36	66	0350	M4x0.5 NO.8-36UNF			
3.6	28	4	36	66	0360				
3.7	28	4	36	66	0370		M4x0.7		
3.8	36	4	36	74	0380		M4x0.5		
3.9	36	4	36	74	0390	NO.10-24UNC			
4.0	36	4	36	74	0400				
4.1	36	6	36	74	0410	NO.10-32UNF			
4.2	36	6	36	74	0420	M5x0.8			
4.3	36	6	36	74	0430				
4.4	36	6	36	74	0440				
4.5	36	6	36	74	0450	M5x0.5 NO.12-24UNC			
4.6	36	6	36	74	0460	NO.12-28UNF	M5x0.8		
4.7	36	6	36	74	0470	NO.12-32UNEF			
4.8	44	6	36	82	0480				
4.9	44	6	36	82	0490				
5.0	44	6	36	82	0500	M6x1			
5.1	44	6	36	82	0510	1/4-20UNC			
5.2	44	6	36	82	0520				
5.3	44	6	36	82	0530	M6x0.75			
5.4	44	6	36	82	0540				
5.5	44	6	36	82	0550	1/4-28UNF	M6x1		
5.6	44	6	36	82	0560	1/4-32UNEF			
5.7	44	6	36	82	0570				
5.8	44	6	36	82	0580				
5.9	44	6	36	82	0590				
6.0	44	6	36	82	0600				
6.1	53	8	36	91	0610				
6.2	53	8	36	91	0620				
6.3	53	8	36	91	0630				
6.4	53	8	36	91	0640				
6.5	53	8	36	91	0650				
6.6	53	8	36	91	0660	5/16-18UNC			
6.7	53	8	36	91	0670				
6.8	53	8	36	91	0680	M8x1.25			
6.9	53	8	36	91	0690	5/16-24UNF			
7.0	53	8	36	91	0700	M8x1			
7.1	53	8	36	91	0710	5/16-32UNEF			
7.2	53	8	36	91	0720				
7.3	53	8	36	91	0730	M8x0.75			
7.4	53	8	36	91	0740		M8x1.25		
7.5	53	8	36	91	0750				
7.6	53	8	36	91	0760				
7.7	53	8	36	91	0770				
7.8	53	8	36	91	0780				
7.9	53	8	36	91	0790				
8.0	53	8	36	91	0800	3/8-16UNC			
8.1	61	10	40	103	0810				

SP-X80105

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

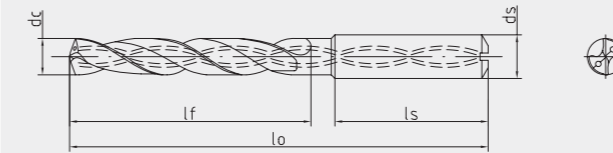
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Fine polished flute
- Super performance tools
- Universality on different materials

5xD SP

VHM H

140° 30°

HA DIN6535 Vc/f 078



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap			
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap		
8.2	61	10	40	103	0820				
8.3	61	10	40	103	0830				
8.4	61	10	40	103	0840				
8.5	61	10	40	103	0850	M10x1.5 3/8-24UNF			
8.6	61	10	40	103	0860				
8.7	61	10	40	103	0870	3/8-32UNEF			
8.8	61	10	40	103	0880	M10x1.25			
8.9	61	10	40	103	0890				
9.0	61	10	40	103	0900	M10x1			
9.1	61	10	40	103	0910				
9.2	61	10	40	103	0920				
9.3	61	10	40	103	0930	M10x0.75	M10x1.5		
9.4	61	10	40	103	0940	7/16-14UNC			
9.5	61	10	40	103	0950				
9.6	61	10	40	103	0960				
9.7	61	10	40	103	0970				
9.8	61	10	40	103	0980				
9.9	61	10	40	103	0990	7/16-20UNF			
10.0	61	10	40	103	1000				
10.1	71	12	45	118	1010				
10.2	71	12	45	118	1020	7/16-28UNEF			
10.3	71	12	45	118	1030	M12x1.75			
10.4	71	12	45	118	1040				
10.5	71	12	45	118	1050				
10.6	71	12	45	118	1060				
10.7	71	12	45	118	1070				
10.8	71	12	45	118	1080				
10.9	71	12	45	118	1090	1/2-13UNC			
11.0	71	12	45	118	1100	M12x1			
11.1	71	12	45	118	1110				
11.2	71	12	45	118	1120		M12x1.75		
11.3	71	12	45	118	1130				
11.4	71	12	45	118	1140				
11.5	71	12	45	118	1150	1/2-20UNF			
11.6	71	12	45	118	1160				
11.7	71	12	45	118	1170				
11.8	71	12	45	118	1180	1/2-28UNEF			
11.9	71	12	45	118	1190				
12.0	71	12	45	118	1200	M14x2			
12.1	77	14	45	124	1210				
12.2	77	14	45	124	1220	9/16-12UNC			
12.3	77	14	45	124	1230				
12.4	77	14	45	124	1240				
12.5	77	14	45	124	1250	M14x1.5			
12.6	77	14	45	124	1260				
12.7	77	14	45	124	1270				
12.8	77	14	45	124	1280				
12.9	77	14	45	124	1290	9/16-18UNF			
13.0	77	14	45	124	1300	M14x1	M14x2		
13.1	77	14	45	124	1310				
13.2	77	14	45	124	1320	9/16-24UNEF			
13.3	77	14	45	124	1330				

SP-X80105

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

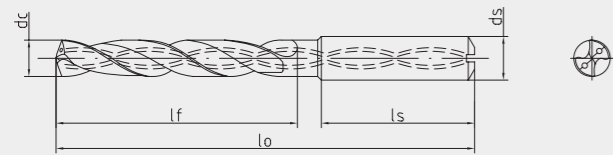
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Fine polished flute
- Super performance tools
- Universality on different materials

5xD SP

VHM H

140° 30°

HA DIN6535 Vc/f 078



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap			
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	丝锥推荐 Recommended Tap			
						切削丝锥 Cutting Tap	挤压丝锥 Forming Tap		
13.4	77	14	45	124	1340				
13.5	77	14	45	124	1350				
13.6	77	14	45	124	1360	5/8-11UNC			
13.7	77	14	45	124	1370				
13.8	77	14	45	124	1380				
13.9	77	14	45	124	1390				
14.0	77	14	45	124	1400	M16x2			
14.1	83	16	48	133	1410				
14.2	83	16	48	133	1420				
14.3	83	16	48	133	1430				
14.4	83	16	48	133	1440				
14.5	83	16	48	133	1450	M16x1.5 5/8-18UNF			
14.6	83	16	48	133	1460				
14.7	83	16	48	133	1470				
14.8	83	16	48	133	1480	5/8-24UNEF			
14.9	83	16	48	133	1490				
15.0	83	16	48	133	1500	M16x1	M16x2		
15.1	83	16	48	133	1510				
15.2	83	16	48	133	1520				
15.3	83	16	48	133	1530				
15.4	83	16	48	133	1540				
15.5	83	16	48	133	1550	M18x2.5			
15.6	83	16	48	133	1560				
15.7	83	16	48	133	1570				
15.8	83	16	48	133	1580				
15.9	83	16	48	133	1590				
16.0	83	16	48	133	1600	M18x2			
16.1	93	18	48	143	1610				
16.2	93	18	48	143	1620				
16.3	93	18	48	143	1630				
16.4	93	18	48	143	1640				
16.5	93	18	48	143	1650				
16.6	93	18	48	143	1660	3/4-10UNC			
16.7	93	18	48	143	1670				
16.8	93	18	48	143	1680				
16.9	93	18	48	143	1690				
17.0	93	18	48	143	1700	M18x1			
17.1	93	18	48	143	1710				
17.2	93	18	48	143	1720				
17.3	93	18	48	143	1730				
17.4	93	18	48	143	1740				
17.5	93	18	48	143	1750	M20x2.5 3/4-16UNF			
17.6	93	18	48	143	1760				
17.7	93	18	48	143	1770				
17.8	93	18	48	143	1780	3/4-20UNEF			
17.9	93	18	48	143	1790				
18.0	93	18	48	143	1800	M20x2			
18.1	101	20	50	153	1810				
18.2	101	20	50	153	1820				
18.3	101	20	50	153	1830				
18.4	101	20	50	153	1840				
18.5	101	20	50	153	1850	M20x1.5			

SP-X80105

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

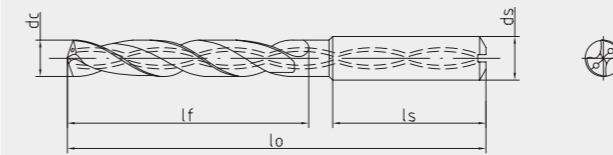
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

5xD SP

VHM H

140° 30°

HA DIN6535 Vc/f 078



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap			
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	丝锥推荐 Recommended Tap			
						切削丝锥 Cutting Tap	挤压丝锥 Forming Tap		
18.6	101	20	50	153	1860				
18.7	101	20	50	153	1870				
18.8	101	20	50	153	1880				
18.9	101	20	50	153	1890				
19.0	101	20	50	153	1900	M20x1			
19.1	101	20	50	153	1910				
19.2	101	20	50	153	1920				
19.3	101	20	50	153	1930				
19.4	101	20	50	153	1940				
19.5	101	20	50	153	1950				
19.6	101	20	50	153	1960	7/8-9UNC			
19.7	101	20	50	153	1970				
19.8	101	20	50	153	1980				
19.9	101	20	50	153	1990				
20.0	101	20	50	153	2000	M22x2			

SP-X80005

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

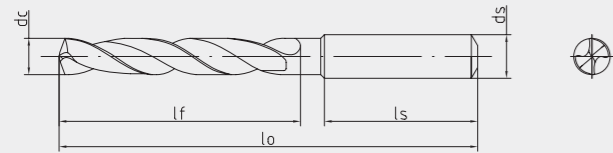
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

5xD SP

VHM H

140° 30°

HA DIN6535 Vc/f 078



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap			
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap		挤压丝锥 Forming Tap	
						3.0	28	6	36
3.1	28	6	36	66	0310				
3.2	28	6	36	66	0320				
3.3	28	6	36	66	0330				
3.4	28	6	36	66	0340				
3.5	28	6	36	66	0350	M4x0.7			
3.6	28	6	36	66	0360	NO.8-32UNC			
3.7	28	6	36	66	0370	M4x0.5 NO.8-36UNF			M4x0.7
3.8	36	6	36	74	0380				M4x0.5
3.9	36	6	36	74	0390	NO.10-24UNC			
4.0	36	6	36	74	0400				
4.1	36	6	36	74	0410	NO.10-32UNF			
4.2	36	6	36	74	0420	M5x0.8			
4.3	36	6	36	74	0430				
4.4	36	6	36	74	0440				
4.5	36	6	36	74	0450	M5x0.5 NO.12-24UNC			
4.6	36	6	36	74	0460	NO.12-28UNF			M5x0.8
4.7	36	6	36	74	0470	NO.12-32UNEF			
4.8	44	6	36	82	0480				
4.9	44	6	36	82	0490				
5.0	44	6	36	82	0500	M6x1			
5.1	44	6	36	82	0510	1/4-20UNC			
5.2	44	6	36	82	0520				
5.3	44	6	36	82	0530	M6x0.75			
5.4	44	6	36	82	0540				
5.5	44	6	36	82	0550	1/4-28UNF			M6x1
5.6	44	6	36	82	0560	1/4-32UNEF			
5.7	44	6	36	82	0570				
5.8	44	6	36	82	0580				
5.9	44	6	36	82	0590				
6.0	44	6	36	82	0600				
6.1	53	8	36	91	0610				
6.2	53	8	36	91	0620				
6.3	53	8	36	91	0630				
6.4	53	8	36	91	0640				
6.5	53	8	36	91	0650				
6.6	53	8	36	91	0660	5/16-18UNC			
6.7	53	8	36	91	0670				
6.8	53	8	36	91	0680	M8x1.25			
6.9	53	8	36	91	0690	5/16-24UNF			
7.0	53	8	36	91	0700	M8x1			
7.1	53	8	36	91	0710	5/16-32UNEF			
7.2	53	8	36	91	0720				
7.3	53	8	36	91	0730	M8x0.75			
7.4	53	8	36	91	0740				M8x1.25
7.5	53	8	36	91	0750				
7.6	53	8	36	91	0760				
7.7	53	8	36	91	0770				
7.8	53	8	36	91	0780				
7.9	53	8	36	91	0790				
8.0	53	8	36	91	0800	3/8-16UNC			
8.1	61	10	40	103	0810				

SP-X80005

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

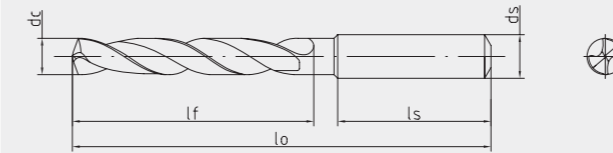
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

5xD SP

VHM H

140° 30°

HA DIN6535 Vc/f 078



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap			
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap		挤压丝锥 Forming Tap	
						8.2	61	10	40
8.3	61	10	40	103	0830				
8.4	61	10	40	103	0840				
8.5	61	10	40	103	0850	M10x1.5	3/8-24UNF		
8.6	61	10	40	103	0860				
8.7	61	10	40	103	0870	3/8-32UNEF			
8.8	61	10	40	103	0880	M10x1.25			
8.9	61	10	40	103	0890				
9.0	61	10	40	103	0900	M10x1			
9.1	61	10	40	103	0910				
9.2	61	10	40	103	0920				
9.3	61	10	40	103	0930	M10x0.75			M10x1.5
9.4	61	10	40	103	0940	7/16-14UNC			
9.5	61	10	40	103	0950				
9.6	61	10	40	103	0960				
9.7	61	10	40	103	0970				
9.8	61	10	40	103	0980				
9.9	61	10	40	103	0990	7/16-20UNF			
10.0	61	10	40	103	1000				
10.1	71	12	45	118	1010				
10.2	71	12	45	118	1020	7/16-28UNEF			
10.3	71	12	45	118	1030	M12x1.75			
10.4	71	12	45	118	1040				
10.5	71	12	45	118	1050				
10.6	71	12	45	118	1060				
10.7	71	12	45	118	1070				
10.8	71	12	45	118	1080				
10.9	71	12	45	118	1090	1/2-13UNC			
11.0	71	12	45	118	1100	M12x1			
11.1	71	12	45	118	1110				
11.2	71	12	45	118	1120				M12x1.75
11.3	71	12	45	118	1130				
11.4	71	12	45	118	1140				
11.5	71	12	45	118	1150	1/2-20UNF			
11.6	71	12	45	118	1160				
11.7	71	12	45	118	1170				
11.8	71	12	45	118	1180	1/2-28UNEF			
11.9	71	12	45	118	1190				
12.0	71	12	45	118	1200	M14x2			
12.1	77	14	45	124	1210				
12.2	77	14	45	124	1220	9/16-12UNC			
12.3	77	14	45	124	1230				
12.4	77	14	45	124	1240				
12.5	77	14	45	124	1250	M14x1.5			
12.6	77	14	45	124	1260				
12.7	77	14	45	124	1270				
12.8	77	14	45	124	1280				
12.9	77	14	45	124	1290	9/16-18UNF			
13.0	77	14	45	124	1300	M14x1			M14x2
13.1	77	14	45	124	1310				
13.2	77	14	45	124	1320	9/16-24UNEF			
13.3	77	14	45	124	1330				

SP-X80005

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

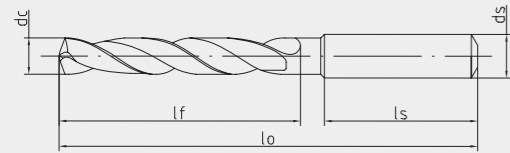
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

5xD SP

VHM H

140° 30°

HA DIN6535 V<sub>c</sub>/f 078



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap		
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
13.4	77	14	45	124	1340			
13.5	77	14	45	124	1350			
13.6	77	14	45	124	1360	5/8-11UNC		
13.7	77	14	45	124	1370			
13.8	77	14	45	124	1380			
13.9	77	14	45	124	1390			
14.0	77	14	45	124	1400	M16x2		
14.1	83	16	48	133	1410			
14.2	83	16	48	133	1420			
14.3	83	16	48	133	1430			
14.4	83	16	48	133	1440			
14.5	83	16	48	133	1450	M16x1.5 5/8-18UNF		
14.6	83	16	48	133	1460			
14.7	83	16	48	133	1470			
14.8	83	16	48	133	1480	5/8-24UNEF		
14.9	83	16	48	133	1490			
15.0	83	16	48	133	1500	M16x1	M16x2	
15.1	83	16	48	133	1510			
15.2	83	16	48	133	1520			
15.3	83	16	48	133	1530			
15.4	83	16	48	133	1540			
15.5	83	16	48	133	1550	M18x2.5		
15.6	83	16	48	133	1560			
15.7	83	16	48	133	1570			
15.8	83	16	48	133	1580			
15.9	83	16	48	133	1590			
16.0	83	16	48	133	1600	M18x2		
16.1	93	18	48	143	1610			
16.2	93	18	48	143	1620			
16.3	93	18	48	143	1630			
16.4	93	18	48	143	1640			
16.5	93	18	48	143	1650			
16.6	93	18	48	143	1660	3/4-10UNC		
16.7	93	18	48	143	1670			
16.8	93	18	48	143	1680			
16.9	93	18	48	143	1690			
17.0	93	18	48	143	1700	M18x1		
17.1	93	18	48	143	1710			
17.2	93	18	48	143	1720			
17.3	93	18	48	143	1730			
17.4	93	18	48	143	1740			
17.5	93	18	48	143	1750	M20x2.5 3/4-16UNF		
17.6	93	18	48	143	1760			
17.7	93	18	48	143	1770			
17.8	93	18	48	143	1780	3/4-20UNEF		
17.9	93	18	48	143	1790			
18.0	93	18	48	143	1800	M20x2		
18.1	101	20	50	153	1810			
18.2	101	20	50	153	1820			
18.3	101	20	50	153	1830			
18.4	101	20	50	153	1840			
18.5	101	20	50	153	1850	M20x1.5		

SP-X80005

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

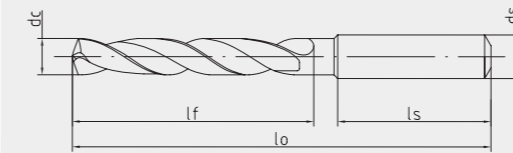
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

5xD SP

VHM H

140° 30°

HA DIN6535 V<sub>c</sub>/f 078



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



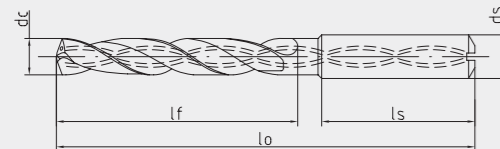
订货编号·Order code						丝锥推荐 Recommended Tap		
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
18.6	101	20	50	153	1860			
18.7	101	20	50	153	1870			
18.8	101	20	50	153	1880			
18.9	101	20	50	153	1890			
19.0	101	20	50	153	1900	M20x1		
19.1	101	20	50	153	1910			
19.2	101	20	50	153	1920			
19.3	101	20	50	153	1930			
19.4	101	20	50	153	1940			
19.5	101	20	50	153	1950			
19.6	101	20	50	153	1960	7/8-9UNC		
19.7	101	20	50	153	1970			
19.8	101	20	50	153	1980			
19.9	101	20	50	153	1990			
20.0	101	20	50	153	2000	M22x2		



SP-N80105

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

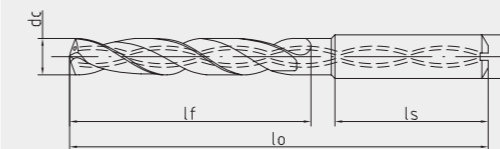
N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	28	4	36	66	0300		
3.1	28	4	36	66	0310		
3.2	28	4	36	66	0320		
3.3	28	4	36	66	0330	M4x0.7	
3.4	28	4	36	66	0340	NO.8-32UNC	
3.5	28	4	36	66	0350	M4x0.5 NO.8-36UNF	
3.6	28	4	36	66	0360		
3.7	28	4	36	66	0370		M4x0.7
3.8	36	4	36	74	0380		M4x0.5
3.9	36	4	36	74	0390	NO.10-24UNC	
4.0	36	4	36	74	0400		
4.1	36	6	36	74	0410	NO.10-32UNF	
4.2	36	6	36	74	0420	M5x0.8	
4.3	36	6	36	74	0430		
4.4	36	6	36	74	0440		
4.5	36	6	36	74	0450	M5x0.5 NO.12-24UNC	
4.6	36	6	36	74	0460	NO.12-28UNF	M5x0.8
4.7	36	6	36	74	0470	NO.12-32UNEF	
4.8	44	6	36	82	0480		
4.9	44	6	36	82	0490		
5.0	44	6	36	82	0500	M6x1	
5.1	44	6	36	82	0510	1/4-20UNC	
5.2	44	6	36	82	0520		
5.3	44	6	36	82	0530	M6x0.75	
5.4	44	6	36	82	0540		
5.5	44	6	36	82	0550	1/4-28UNF	M6x1
5.6	44	6	36	82	0560	1/4-32UNEF	
5.7	44	6	36	82	0570		
5.8	44	6	36	82	0580		
5.9	44	6	36	82	0590		
6.0	44	6	36	82	0600		
6.1	53	8	36	91	0610		
6.2	53	8	36	91	0620		
6.3	53	8	36	91	0630		
6.4	53	8	36	91	0640		
6.5	53	8	36	91	0650		
6.6	53	8	36	91	0660	5/16-18UNC	
6.7	53	8	36	91	0670		
6.8	53	8	36	91	0680	M8x1.25	
6.9	53	8	36	91	0690	5/16-24UNF	
7.0	53	8	36	91	0700	M8x1	
7.1	53	8	36	91	0710	5/16-32UNEF	
7.2	53	8	36	91	0720		
7.3	53	8	36	91	0730	M8x0.75	
7.4	53	8	36	91	0740		M8x1.25
7.5	53	8	36	91	0750		
7.6	53	8	36	91	0760		
7.7	53	8	36	91	0770		
7.8	53	8	36	91	0780		
7.9	53	8	36	91	0790		
8.0	53	8	36	91	0800	3/8-16UNC	
8.1	61	10	40	103	0810		

SP-N80105

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
8.2	61	10	40	103	0820		
8.3	61	10	40	103	0830		
8.4	61	10	40	103	0840		
8.5	61	10	40	103	0850	M10x1.5 3/8-24UNF	
8.6	61	10	40	103	0860		
8.7	61	10	40	103	0870	3/8-32UNEF	
8.8	61	10	40	103	0880	M10x1.25	
8.9	61	10	40	103	0890		
9.0	61	10	40	103	0900	M10x1	
9.1	61	10	40	103	0910		
9.2	61	10	40	103	0920		
9.3	61	10	40	103	0930	M10x0.75	M10x1.5
9.4	61	10	40	103	0940	7/16-14UNC	
9.5	61	10	40	103	0950		
9.6	61	10	40	103	0960		
9.7	61	10	40	103	0970		
9.8	61	10	40	103	0980		
9.9	61	10	40	103	0990	7/16-20UNF	
10.0	61	10	40	103	1000		
10.1	71	12	45	118	1010		
10.2	71	12	45	118	1020	7/16-28UNEF	
10.3	71	12	45	118	1030	M12x1.75	
10.4	71	12	45	118	1040		
10.5	71	12	45	118	1050		
10.6	71	12	45	118	1060		
10.7	71	12	45	118	1070		
10.8	71	12	45	118	1080		
10.9	71	12	45	118	1090	1/2-13UNC	
11.0	71	12	45	118	1100	M12x1	
11.1	71	12	45	118	1110		
11.2	71	12	45	118	1120		M12x1.75
11.3	71	12	45	118	1130		
11.4	71	12	45	118	1140		
11.5	71	12	45	118	1150	1/2-20UNF	
11.6	71	12	45	118	1160		
11.7	71	12	45	118	1170		
11.8	71	12	45	118	1180	1/2-28UNEF	
11.9	71	12	45	118	1190		
12.0	71	12	45	118	1200	M14x2	
12.1	77	14	45	124	1210		
12.2	77	14	45	124	1220	9/16-12UNC	
12.3	77	14	45	124	1230		
12.4	77	14	45	124	1240		
12.5	77	14	45	124	1250	M14x1.5	
12.6	77	14	45	124	1260		
12.7	77	14	45	124	1270		
12.8	77	14	45	124	1280		
12.9	77	14	45	124	1290	9/16-18UNF	
13.0	77	14	45	124	1300	M14x1	M14x2
13.1	77	14	45	124	1310		
13.2	77	14	45	124	1320	9/16-24UNEF	
13.3	77	14	45	124	1330		

SP-N80105

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

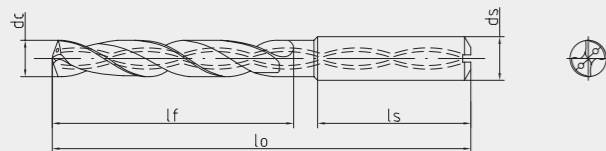
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

5xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 078



适合加工材料: N Sutable for materials: N

N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·d <sub>c</sub> 公差m7	槽长l <sub>f</sub>	柄径d <sub>s</sub> 公差h6	柄长l <sub>s</sub>	总长l <sub>o</sub>		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
13.4	77	14	45	124	1340		
13.5	77	14	45	124	1350		
13.6	77	14	45	124	1360	5/8-11UNC	
13.7	77	14	45	124	1370		
13.8	77	14	45	124	1380		
13.9	77	14	45	124	1390		
14.0	77	14	45	124	1400	M16x2	
14.1	83	16	48	133	1410		
14.2	83	16	48	133	1420		
14.3	83	16	48	133	1430		
14.4	83	16	48	133	1440		
14.5	83	16	48	133	1450	M16x1.5 5/8-18UNF	
14.6	83	16	48	133	1460		
14.7	83	16	48	133	1470		
14.8	83	16	48	133	1480	5/8-24UNEF	
14.9	83	16	48	133	1490		
15.0	83	16	48	133	1500	M16x1	M16x2
15.1	83	16	48	133	1510		
15.2	83	16	48	133	1520		
15.3	83	16	48	133	1530		
15.4	83	16	48	133	1540		
15.5	83	16	48	133	1550	M18x2.5	
15.6	83	16	48	133	1560		
15.7	83	16	48	133	1570		
15.8	83	16	48	133	1580		
15.9	83	16	48	133	1590		
16.0	83	16	48	133	1600	M18x2	
16.1	93	18	48	143	1610		
16.2	93	18	48	143	1620		
16.3	93	18	48	143	1630		
16.4	93	18	48	143	1640		
16.5	93	18	48	143	1650		
16.6	93	18	48	143	1660	3/4-10UNC	
16.7	93	18	48	143	1670		
16.8	93	18	48	143	1680		
16.9	93	18	48	143	1690		
17.0	93	18	48	143	1700	M18x1	
17.1	93	18	48	143	1710		
17.2	93	18	48	143	1720		
17.3	93	18	48	143	1730		
17.4	93	18	48	143	1740		
17.5	93	18	48	143	1750	M20x2.5 3/4-16UNF	
17.6	93	18	48	143	1760		
17.7	93	18	48	143	1770		
17.8	93	18	48	143	1780	3/4-20UNEF	
17.9	93	18	48	143	1790		
18.0	93	18	48	143	1800	M20x2	
18.1	101	20	50	153	1810		
18.2	101	20	50	153	1820		
18.3	101	20	50	153	1830		
18.4	101	20	50	153	1840		
18.5	101	20	50	153	1850	M20x1.5	

SP-N80105

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

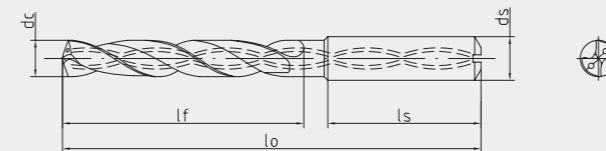
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

5xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 078



适合加工材料: N Sutable for materials: N

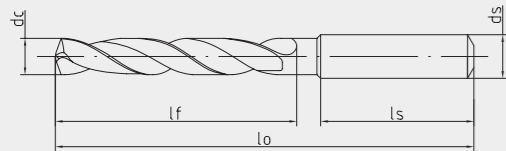
N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·d <sub>c</sub> 公差m7	槽长l <sub>f</sub>	柄径d <sub>s</sub> 公差h6	柄长l <sub>s</sub>	总长l <sub>o</sub>		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
18.6	101	20	50	153	1860		
18.7	101	20	50	153	1870		
18.8	101	20	50	153	1880		
18.9	101	20	50	153	1890		
19.0	101	20	50	153	1900	M20x1	
19.1	101	20	50	153	1910		
19.2	101	20	50	153	1920		
19.3	101	20	50	153	1930		
19.4	101	20	50	153	1940		
19.5	101	20	50	153	1950		
19.6	101	20	50	153	1960	7/8-9UNC	
19.7	101	20	50	153	1970		
19.8	101	20	50	153	1980		
19.9	101	20	50	153	1990		
20.0	101	20	50	153	2000	M22x2	

SP-N80005

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 精抛槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute



适合加工材料: N Sutable for materials: N

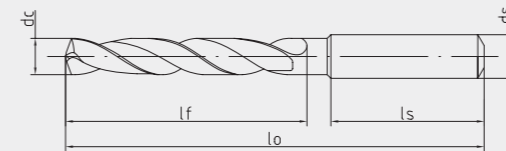
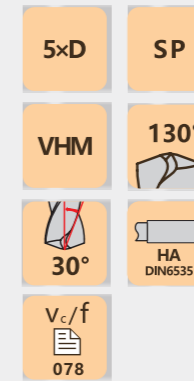
N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·d <sub>c</sub> 公差m7	槽长l <sub>f</sub>	柄径d <sub>s</sub> 公差h6	柄长l <sub>s</sub>	总长l <sub>o</sub>		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	28	6	36	66	0300		
3.1	28	6	36	66	0310		
3.2	28	6	36	66	0320		
3.3	28	6	36	66	0330	M4x0.7	
3.4	28	6	36	66	0340	NO.8-32UNC	
3.5	28	6	36	66	0350	M4x0.5 NO.8-36UNF	
3.6	28	6	36	66	0360		
3.7	28	6	36	66	0370		M4x0.7
3.8	36	6	36	74	0380		M4x0.5
3.9	36	6	36	74	0390	NO.10-24UNC	
4.0	36	6	36	74	0400		
4.1	36	6	36	74	0410	NO.10-32UNF	
4.2	36	6	36	74	0420	M5x0.8	
4.3	36	6	36	74	0430		
4.4	36	6	36	74	0440		
4.5	36	6	36	74	0450	M5x0.5 NO.12-24UNC	
4.6	36	6	36	74	0460	NO.12-28UNF	M5x0.8
4.7	36	6	36	74	0470	NO.12-32UNEF	
4.8	44	6	36	82	0480		
4.9	44	6	36	82	0490		
5.0	44	6	36	82	0500	M6x1	
5.1	44	6	36	82	0510	1/4-20UNC	
5.2	44	6	36	82	0520		
5.3	44	6	36	82	0530	M6x0.75	
5.4	44	6	36	82	0540		
5.5	44	6	36	82	0550	1/4-28UNF	M6x1
5.6	44	6	36	82	0560	1/4-32UNEF	
5.7	44	6	36	82	0570		
5.8	44	6	36	82	0580		
5.9	44	6	36	82	0590		
6.0	44	6	36	82	0600		
6.1	53	8	36	91	0610		
6.2	53	8	36	91	0620		
6.3	53	8	36	91	0630		
6.4	53	8	36	91	0640		
6.5	53	8	36	91	0650		
6.6	53	8	36	91	0660	5/16-18UNC	
6.7	53	8	36	91	0670		
6.8	53	8	36	91	0680	M8x1.25	
6.9	53	8	36	91	0690	5/16-24UNF	
7.0	53	8	36	91	0700	M8x1	
7.1	53	8	36	91	0710	5/16-32UNEF	
7.2	53	8	36	91	0720		
7.3	53	8	36	91	0730	M8x0.75	
7.4	53	8	36	91	0740		M8x1.25
7.5	53	8	36	91	0750		
7.6	53	8	36	91	0760		
7.7	53	8	36	91	0770		
7.8	53	8	36	91	0780		
7.9	53	8	36	91	0790		
8.0	53	8	36	91	0800	3/8-16UNC	
8.1	61	10	40	103	0810		

SP-N80005

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 特殊槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special Flute



适合加工材料: N Sutable for materials: N

N

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·d <sub>c</sub> 公差m7	槽长l <sub>f</sub>	柄径d <sub>s</sub> 公差h6	柄长l <sub>s</sub>	总长l <sub>o</sub>		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
8.2	61	10	40	103	0820		
8.3	61	10	40	103	0830		
8.4	61	10	40	103	0840		
8.5	61	10	40	103	0850	M10x1.5 3/8-24UNF	
8.6	61	10	40	103	0860		
8.7	61	10	40	103	0870	3/8-32UNEF	
8.8	61	10	40	103	0880	M10x1.25	
8.9	61	10	40	103	0890		
9.0	61	10	40	103	0900	M10x1	
9.1	61	10	40	103	0910		
9.2	61	10	40	103	0920		
9.3	61	10	40	103	0930	M10x0.75	M10x1.5
9.4	61	10	40	103	0940	7/16-14UNC	
9.5	61	10	40	103	0950		
9.6	61	10	40	103	0960		
9.7	61	10	40	103	0970		
9.8	61	10	40	103	0980		
9.9	61	10	40	103	0990	7/16-20UNF	
10.0	61	10	40	103	1000		
10.1	71	12	45	118	1010		
10.2	71	12	45	118	1020	7/16-28UNEF	
10.3	71	12	45	118	1030	M12x1.75	
10.4	71	12	45	118	1040		
10.5	71	12	45	118	1050		
10.6	71	12	45	118	1060		
10.7	71	12	45	118	1070		
10.8	71	12	45	118	1080		
10.9	71	12	45	118	1090	1/2-13UNC	
11.0	71	12	45	118	1100	M12x1	
11.1	71	12	45	118	1110		
11.2	71	12	45	118	1120		M12x1.75
11.3	71	12	45	118	1130		
11.4	71	12	45	118	1140		
11.5	71	12	45	118	1150	1/2-20UNF	
11.6	71	12	45	118	1160		
11.7	71	12	45	118	1170		
11.8	71	12	45	118	1180	1/2-28UNEF	
11.9	71	12	45	118	1190		
12.0	71	12	45	118	1200	M14x2	
12.1	77	14	45	124	1210		
12.2	77	14	45	124	1220	9/16-12UNC	
12.3	77	14	45	124	1230		
12.4	77	14	45	124	1240		
12.5	77	14	45	124	1250	M14x1.5	
12.6	77	14	45	124	1260		
12.7	77	14	45	124	1270		
12.8	77	14	45	124	1280		
12.9	77	14	45	124	1290	9/16-18UNF	
13.0	77	14	45	124	1300	M14x1	M14x2
13.1	77	14	45	124	1310		
13.2	77	14	45	124	1320	9/16-24UNEF	
13.3	77	14	45	124	1330		

SP-N80005

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 特殊槽型

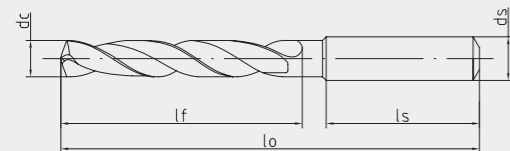
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special flute

5xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 078



适合加工材料: N Suitable for materials: N

N

订货编号-Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·d <sub>c</sub> 公差m7	槽长l <sub>f</sub>	柄径d <sub>s</sub> 公差h6	柄长l <sub>s</sub>	总长l <sub>o</sub>		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
13.4	77	14	45	124	1340		
13.5	77	14	45	124	1350		
13.6	77	14	45	124	1360	5/8-11UNC	
13.7	77	14	45	124	1370		
13.8	77	14	45	124	1380		
13.9	77	14	45	124	1390		
14.0	77	14	45	124	1400	M16x2	
14.1	83	16	48	133	1410		
14.2	83	16	48	133	1420		
14.3	83	16	48	133	1430		
14.4	83	16	48	133	1440		
14.5	83	16	48	133	1450	M16x1.5 5/8-18UNF	
14.6	83	16	48	133	1460		
14.7	83	16	48	133	1470		
14.8	83	16	48	133	1480	5/8-24UNEF	
14.9	83	16	48	133	1490		
15.0	83	16	48	133	1500	M16x1	M16x2
15.1	83	16	48	133	1510		
15.2	83	16	48	133	1520		
15.3	83	16	48	133	1530		
15.4	83	16	48	133	1540		
15.5	83	16	48	133	1550	M18x2.5	
15.6	83	16	48	133	1560		
15.7	83	16	48	133	1570		
15.8	83	16	48	133	1580		
15.9	83	16	48	133	1590		
16.0	83	16	48	133	1600	M18x2	
16.1	93	18	48	143	1610		
16.2	93	18	48	143	1620		
16.3	93	18	48	143	1630		
16.4	93	18	48	143	1640		
16.5	93	18	48	143	1650		
16.6	93	18	48	143	1660	3/4-10UNC	
16.7	93	18	48	143	1670		
16.8	93	18	48	143	1680		
16.9	93	18	48	143	1690		
17.0	93	18	48	143	1700	M18x1	
17.1	93	18	48	143	1710		
17.2	93	18	48	143	1720		
17.3	93	18	48	143	1730		
17.4	93	18	48	143	1740		
17.5	93	18	48	143	1750	M20x2.5 3/4-16UNF	
17.6	93	18	48	143	1760		
17.7	93	18	48	143	1770		
17.8	93	18	48	143	1780	3/4-20UNEF	
17.9	93	18	48	143	1790		
18.0	93	18	48	143	1800	M20X2	
18.1	101	20	50	153	1810		
18.2	101	20	50	153	1820		
18.3	101	20	50	153	1830		
18.4	101	20	50	153	1840		
18.5	101	20	50	153	1850	M20x1.5	

SP-N80005

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 特殊槽型

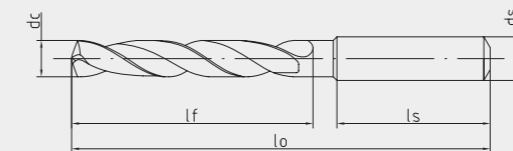
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special Flute

5xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 078



适合加工材料: N Suitable for materials: N

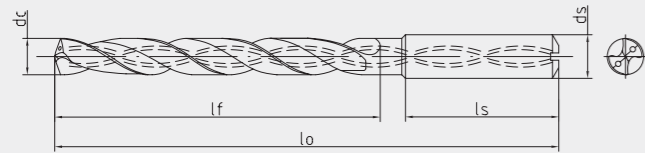
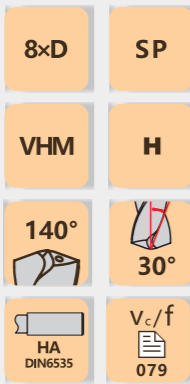
N

订货编号-Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·d <sub>c</sub> 公差m7	槽长l <sub>f</sub>	柄径d <sub>s</sub> 公差h6	柄长l <sub>s</sub>	总长l <sub>o</sub>		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
18.6	101	20	50	153	1860		
18.7	101	20	50	153	1870		
18.8	101	20	50	153	1880		
18.9	101	20	50	153	1890		
19.0	101	20	50	153	1900	M20x1	
19.1	101	20	50	153	1910		
19.2	101	20	50	153	1920		
19.3	101	20	50	153	1930		
19.4	101	20	50	153	1940		
19.5	101	20	50	153	1950		
19.6	101	20	50	153	1960	7/8-9UNC	
19.7	101	20	50	153	1970		
19.8	101	20	50	153	1980		
19.9	101	20	50	153	1990		
20.0	101	20	50	153	2000	M22x2	

SP-X80108

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S

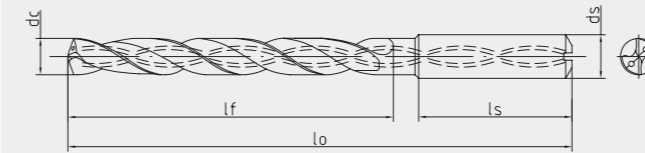
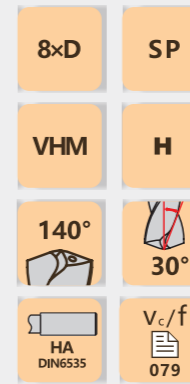


订货编号·Order code						丝锥推荐 Recommended Tap		
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
3.0	35.5	4	36	75	0300			
3.1	35.5	4	36	75	0310			
3.2	35.5	4	36	75	0320			
3.3	35.5	4	36	75	0330	M4x0.7		
3.4	35.5	4	36	75	0340	NO.8-32UNC		
3.5	35.5	4	36	75	0350	M4x0.5 NO.8-36UNF		
3.6	35.5	4	36	75	0360			
3.7	35.5	4	36	75	0370		M4x0.7	
3.8	42	4	36	83	0380		M4x0.5	
3.9	42	4	36	83	0390	NO.10-24UNC		
4.0	42	4	36	83	0400			
4.1	50	6	36	90	0410	NO.10-32UNF		
4.2	50	6	36	90	0420	M5x0.8		
4.3	50	6	36	90	0430			
4.4	50	6	36	90	0440			
4.5	50	6	36	90	0450	M5x0.5 NO.12-24UNC		
4.6	50	6	36	90	0460	NO.12-28UNF	M5x0.8	
4.7	50	6	36	90	0470	NO.12-32UNEF		
4.8	50	6	36	90	0480			
4.9	50	6	36	90	0490			
5.0	50	6	36	90	0500	M6x1		
5.1	57	6	36	97	0510	1/4-20UNC		
5.2	57	6	36	97	0520			
5.3	57	6	36	97	0530	M6x0.75		
5.4	57	6	36	97	0540		M6x1	
5.5	57	6	36	97	0550	1/4-28UNF		
5.6	57	6	36	97	0560	1/4-32UNEF		
5.7	57	6	36	97	0570			
5.8	57	6	36	97	0580			
5.9	57	6	36	97	0590			
6.0	57	6	36	97	0600			
6.1	66	8	36	106	0610			
6.2	66	8	36	106	0620			
6.3	66	8	36	106	0630			
6.4	66	8	36	106	0640			
6.5	66	8	36	106	0650			
6.6	66	8	36	106	0660	5/16-18UNC		
6.7	66	8	36	106	0670			
6.8	66	8	36	106	0680	M8x1.25		
6.9	76	8	36	116	0690	5/16-24UNF		
7.0	76	8	36	116	0700	M8x1		
7.1	76	8	36	116	0710	5/16-32UNEF		
7.2	76	8	36	116	0720			
7.3	76	8	36	116	0730	M8x0.75		
7.4	76	8	36	116	0740		M8x1.25	
7.5	76	8	36	116	0750			
7.6	76	8	36	116	0760			
7.7	76	8	36	116	0770			
7.8	76	8	36	116	0780			
7.9	76	8	36	116	0790			
8.0	76	8	36	116	0800	3/8-16UNC		
8.1	87	10	40	131	0810			
8.2	87	10	40	131	0820			

SP-X80108

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap		
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
8.3	87	10	40	131	0830			
8.4	87	10	40	131	0840			
8.5	87	10	40	131	0850	M10x1.5 3/8-24UNF		
8.6	87	10	40	131	0860			
8.7	87	10	40	131	0870	3/8-32UNEF		
8.8	87	10	40	131	0880	M10x1.25		
8.9	87	10	40	131	0890			
9.0	87	10	40	131	0900	M10x1		
9.1	95	10	40	139	0910			
9.2	95	10	40	139	0920			
9.3	95	10	40	139	0930	M10x0.75	M10x1.5	
9.4	95	10	40	139	0940	7/16-14UNC		
9.5	95	10	40	139	0950			
9.6	95	10	40	139	0960			
9.7	95	10	40	139	0970			
9.8	95	10	40	139	0980			
9.9	95	10	40	139	0990	7/16-20UNF		
10.0	95	10	40	139	1000			
10.1	106	12	45	155	1010			
10.2	106	12	45	155	1020	7/16-28UNEF		
10.3	106	12	45	155	1030	M12x1.75		
10.4	106	12	45	155	1040			
10.5	106	12	45	155	1050			
10.6	106	12	45	155	1060			
10.7	106	12	45	155	1070			
10.8	106	12	45	155	1080			
10.9	106	12	45	155	1090	1/2-13UNC		
11.0	106	12	45	155	1100	M12x1		
11.1	114	12	45	163	1110			
11.2	114	12	45	163	1120		M12x1.75	
11.3	114	12	45	163	1130			
11.4	114	12	45	163	1140			
11.5	114	12	45	163	1150	1/2-20UNF		
11.6	114	12	45	163	1160			
11.7	114	12	45	163	1170			
11.8	114	12	45	163	1180	1/2-28UNEF		
11.9	114	12	45	163	1190			
12.0	114	12	45	163	1200	M14x2		
12.1	133	14	45	182	1210			
12.2	133	14	45	182	1220	9/16-12UNC		
12.3	133	14	45	182	1230			
12.4	133	14	45	182	1240			
12.5	133	14	45	182	1250	M14x1.5		
12.6	133	14	45	182	1260			
12.7	133	14	45	182	1270			
12.8	133	14	45	182	1280			
12.9	133	14	45	182	1290	9/16-18UNF		
13.0	133	14	45	182	1300	M14x1	M14x2	
13.1	133	14	45	182	1310			
13.2	133	14	45	182	1320	9/16-24UNEF		
13.3	133	14	45	182	1330			
13.4	133	14	45	182	1340			
13.5	133	14	45	182	1350			

SP-X80108

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

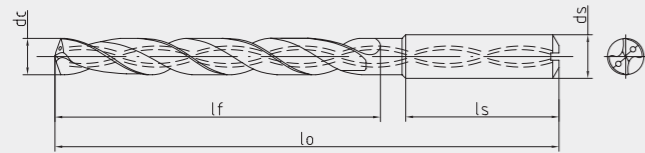
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

8xD SP

VHM H

140° 30°

HA DIN6535 V<sub>c</sub>/f 079



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
13.6	133	14	45	182	1360	5/8-11UNC	
13.7	133	14	45	182	1370		
13.8	133	14	45	182	1380		
13.9	133	14	45	182	1390		
14.0	133	14	45	182	1400	M16x2	
14.1	152	16	48	204	1410		
14.2	152	16	48	204	1420		
14.3	152	16	48	204	1430		
14.4	152	16	48	204	1440		
14.5	152	16	48	204	1450	M16x1.5 5/8-18UNF	
14.6	152	16	48	204	1460		
14.7	152	16	48	204	1470		
14.8	152	16	48	204	1480	5/8-24UNEF	
14.9	152	16	48	204	1490		
15.0	152	16	48	204	1500	M16x1	M16x2
15.1	152	16	48	204	1510		
15.2	152	16	48	204	1520		
15.3	152	16	48	204	1530		
15.4	152	16	48	204	1540		
15.5	152	16	48	204	1550	M18x2.5	
15.6	152	16	48	204	1560		
15.7	152	16	48	204	1570		
15.8	152	16	48	204	1580		
15.9	152	16	48	204	1590		
16.0	152	16	48	204	1600	M18x2	
16.1	171	18	48	223	1610		
16.2	171	18	48	223	1620		
16.3	171	18	48	223	1630		
16.4	171	18	48	223	1640		
16.5	171	18	48	223	1650		
16.6	171	18	48	223	1660	3/4-10UNC	
16.7	171	18	48	223	1670		
16.8	171	18	48	223	1680		
16.9	171	18	48	223	1690		
17.0	171	18	48	223	1700	M18x1	
17.1	171	18	48	223	1710		
17.2	171	18	48	223	1720		
17.3	171	18	48	223	1730		
17.4	171	18	48	223	1740		
17.5	171	18	48	223	1750	M20x2.5 3/4-16UNF	
17.6	171	18	48	223	1760		
17.7	171	18	48	223	1770		
17.8	171	18	48	223	1780	3/4-20UNEF	
17.9	171	18	48	223	1790		
18.0	171	18	48	223	1800	m20x2	
18.1	190	20	50	244	1810		
18.2	190	20	50	244	1820		
18.3	190	20	50	244	1830		
18.4	190	20	50	244	1840		
18.5	190	20	50	244	1850	M20x1.5	
18.6	190	20	50	244	1860		
18.7	190	20	50	244	1870		
18.8	190	20	50	244	1880		

SP-X80108

- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具
- 通用性强

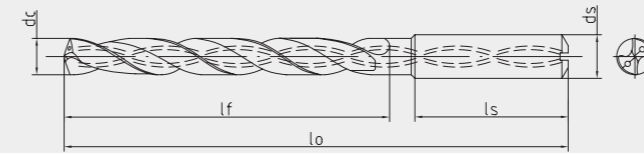
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

8xD SP

VHM H

140° 30°

HA DIN6535 V<sub>c</sub>/f 079



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S

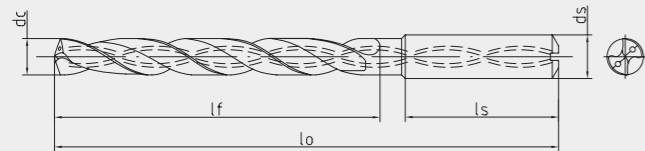
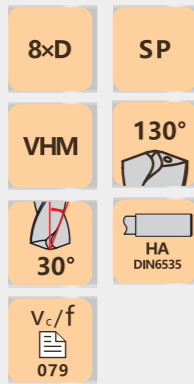


订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
18.9	190	20	50	244	1890		
19.0	190	20	50	244	1900	M20x1	
19.1	190	20	50	244	1910		
19.2	190	20	50	244	1920		
19.3	190	20	50	244	1930		
19.4	190	20	50	244	1940		
19.5	190	20	50	244	1950		
19.6	190	20	50	244	1960	7/8-9UNC	
19.7	190	20	50	244	1970		
19.8	190	20	50	244	1980		
19.9	190	20	50	244	1990		
20.0	190	20	50	244	2000	M22x2	

SP-N80108

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute



适合加工材料: N Sutable for materials: N

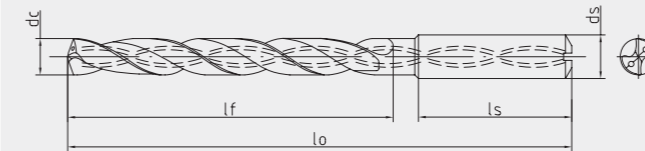
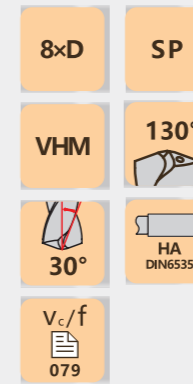
N  

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap		
Φ·d <sub>c</sub> 公差m7	槽长l <sub>f</sub>	柄径d <sub>s</sub> 公差h6	柄长l <sub>s</sub>	总长l <sub>o</sub>		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
3.0	30	4	36	70	0300			
3.1	30	4	36	70	0310			
3.2	30	4	36	70	0320			
3.3	30	4	36	70	0330	M4x0.7		
3.4	35.5	4	36	75	0340	NO.8-32UNC		
3.5	35.5	4	36	75	0350	M4x0.5 NO.8-36UNF		
3.6	35.5	4	36	75	0360			
3.7	35.5	4	36	75	0370		M4x0.7	
3.8	42	4	36	83	0380		M4x0.5	
3.9	42	4	36	83	0390	NO.10-24UNC		
4.0	42	4	36	83	0400			
4.1	50	6	36	90	0410	NO.10-32UNF		
4.2	50	6	36	90	0420	M5x0.8		
4.3	50	6	36	90	0430			
4.4	50	6	36	90	0440			
4.5	50	6	36	90	0450	M5x0.5 NO.12-24UNC		
4.6	50	6	36	90	0460	NO.12-28UNF	M5x0.8	
4.7	50	6	36	90	0470	NO.12-32UNEF		
4.8	50	6	36	90	0480			
4.9	50	6	36	90	0490			
5.0	50	6	36	90	0500	M6x1		
5.1	57	6	36	97	0510	1/4-20UNC		
5.2	57	6	36	97	0520			
5.3	57	6	36	97	0530	M6x0.75		
5.4	57	6	36	97	0540			
5.5	57	6	36	97	0550	1/4-28UNF	M6x1	
5.6	57	6	36	97	0560	1/4-32UNEF		
5.7	57	6	36	97	0570			
5.8	57	6	36	97	0580			
5.9	57	6	36	97	0590			
6.0	57	6	36	97	0600			
6.1	66	8	36	106	0610			
6.2	66	8	36	106	0620			
6.3	66	8	36	106	0630			
6.4	66	8	36	106	0640			
6.5	66	8	36	106	0650			
6.6	66	8	36	106	0660	5/16-18UNC		
6.7	66	8	36	106	0670			
6.8	66	8	36	106	0680	M8x1.25		
6.9	76	8	36	116	0690	5/16-24UNF		
7.0	76	8	36	116	0700	M8x1		
7.1	76	8	36	116	0710	5/16-32UNEF		
7.2	76	8	36	116	0720			
7.3	76	8	36	116	0730			
7.4	76	8	36	116	0740	M8x0.75	M8x1.25	
7.5	76	8	36	116	0750			
7.6	76	8	36	116	0760			
7.7	76	8	36	116	0770			
7.8	76	8	36	116	0780			
7.9	76	8	36	116	0790			
8.0	76	8	36	116	0800	3/8-16UNC		
8.1	87	10	40	131	0810			
8.2	87	10	40	131	0820			

SP-N80108

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute



适合加工材料: N Sutable for materials: N

N  

订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap		
Φ·d <sub>c</sub> 公差m7	槽长l <sub>f</sub>	柄径d <sub>s</sub> 公差h6	柄长l <sub>s</sub>	总长l <sub>o</sub>		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
8.3	87	10	40	131	0830			
8.4	87	10	40	131	0840			
8.5	87	10	40	131	0850	M10x1.5 3/8-24UNF		
8.6	87	10	40	131	0860			
8.7	87	10	40	131	0870	3/8-32UNEF		
8.8	87	10	40	131	0880	M10x1.25		
8.9	87	10	40	131	0890			
9.0	87	10	40	131	0900	M10x1		
9.1	95	10	40	139	0910			
9.2	95	10	40	139	0920			
9.3	95	10	40	139	0930	M10x0.75	M10x1.5	
9.4	95	10	40	139	0940	7/16-14UNC		
9.5	95	10	40	139	0950			
9.6	95	10	40	139	0960			
9.7	95	10	40	139	0970			
9.8	95	10	40	139	0980			
9.9	95	10	40	139	0990	7/16-20UNF		
10.0	95	10	40	139	1000			
10.1	106	12	45	155	1010			
10.2	106	12	45	155	1020	7/16-28UNEF		
10.3	106	12	45	155	1030	M12x1.75		
10.4	106	12	45	155	1040			
10.5	106	12	45	155	1050			
10.6	106	12	45	155	1060			
10.7	106	12	45	155	1070			
10.8	106	12	45	155	1080			
10.9	106	12	45	155	1090	1/2-13UNC		
11.0	106	12	45	155	1100	M12x1		
11.1	114	12	45	163	1110			
11.2	114	12	45	163	1120		M12x1.75	
11.3	114	12	45	163	1130			
11.4	114	12	45	163	1140			
11.5	114	12	45	163	1150	1/2-20UNF		
11.6	114	12	45	163	1160			
11.7	114	12	45	163	1170			
11.8	114	12	45	163	1180	1/2-28UNEF		
11.9	114	12	45	163	1190			
12.0	114	12	45	163	1200	M14x2		
12.1	133	14	45	182	1210			
12.2	133	14	45	182	1220	9/16-12UNC		
12.3	133	14	45	182	1230			
12.4	133	14	45	182	1240			
12.5	133	14	45	182	1250	M14x1.5		
12.6	133	14	45	182	1260			
12.7	133	14	45	182	1270			
12.8	133	14	45	182	1280			
12.9	133	14	45	182	1290	9/16-18UNF		
13.0	133	14	45	182	1300	M14x1	M14x2	
13.1	133	14	45	182	1310			
13.2	133	14	45	182	1320	9/16-24UNEF		
13.3	133	14	45	182	1330			
13.4	133	14	45	182	1340			
13.5	133	14	45	182	1350			

SP-N80108

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型

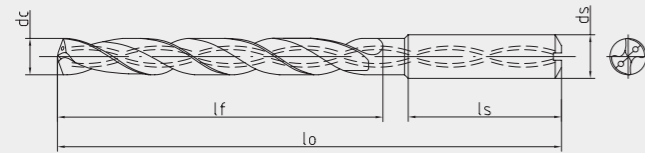
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

8xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 079



适合加工材料: N Sutable for materials: N



订货编号·Order code						丝锥推荐 Recommended Tap		
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
13.6	133	14	45	182	1360	5/8-11UNC		
13.7	133	14	45	182	1370			
13.8	133	14	45	182	1380			
13.9	133	14	45	182	1390			
14.0	133	14	45	182	1400	M16x2		
14.1	152	16	48	204	1410			
14.2	152	16	48	204	1420			
14.3	152	16	48	204	1430			
14.4	152	16	48	204	1440			
14.5	152	16	48	204	1450	M16x1.5 5/8-18UNF		
14.6	152	16	48	204	1460			
14.7	152	16	48	204	1470			
14.8	152	16	48	204	1480	5/8-24UNEF		
14.9	152	16	48	204	1490			
15.0	152	16	48	204	1500	M16x1	M16x2	
15.1	152	16	48	204	1510			
15.2	152	16	48	204	1520			
15.3	152	16	48	204	1530			
15.4	152	16	48	204	1540			
15.5	152	16	48	204	1550	M18x2.5		
15.6	152	16	48	204	1560			
15.7	152	16	48	204	1570			
15.8	152	16	48	204	1580			
15.9	152	16	48	204	1590			
16.0	152	16	48	204	1600	M18x2		
16.1	171	18	48	223	1610			
16.2	171	18	48	223	1620			
16.3	171	18	48	223	1630			
16.4	171	18	48	223	1640			
16.5	171	18	48	223	1650			
16.6	171	18	48	223	1660	3/4-10UNC		
16.7	171	18	48	223	1670			
16.8	171	18	48	223	1680			
16.9	171	18	48	223	1690			
17.0	171	18	48	223	1700	M18x1		
17.1	171	18	48	223	1710			
17.2	171	18	48	223	1720			
17.3	171	18	48	223	1730			
17.4	171	18	48	223	1740			
17.5	171	18	48	223	1750	M20x2.5 3/4-16UNF		
17.6	171	18	48	223	1760			
17.7	171	18	48	223	1770			
17.8	171	18	48	223	1780	3/4-20UNEF		
17.9	171	18	48	223	1790			
18.0	171	18	48	223	1800	m20x2		
18.1	190	20	50	244	1810			
18.2	190	20	50	244	1820			
18.3	190	20	50	244	1830			
18.4	190	20	50	244	1840			
18.5	190	20	50	244	1850	M20x1.5		
18.6	190	20	50	244	1860			
18.7	190	20	50	244	1870			
18.8	190	20	50	244	1880			

SP-N80108

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型

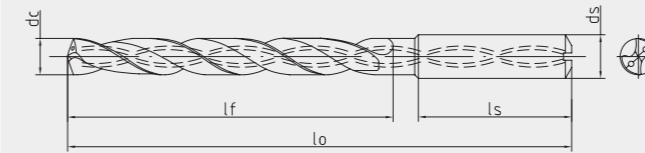
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

8xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 079



适合加工材料: N Sutable for materials: N



订货编号·Order code						丝锥推荐 Recommended Tap		
Φ·dc 公差m7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
18.9	190	20	50	244	1890			
19.0	190	20	50	244	1900	M20x1		
19.1	190	20	50	244	1910			
19.2	190	20	50	244	1920			
19.3	190	20	50	244	1930			
19.4	190	20	50	244	1940			
19.5	190	20	50	244	1950			
19.6	190	20	50	244	1960	7/8-9UNC		
19.7	190	20	50	244	1970			
19.8	190	20	50	244	1980			
19.9	190	20	50	244	1990			
20.0	190	20	50	244	2000	M22x2		



硬质合金  
麻花钻

SP-P80112

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 特殊槽型
- 超高性能刀具

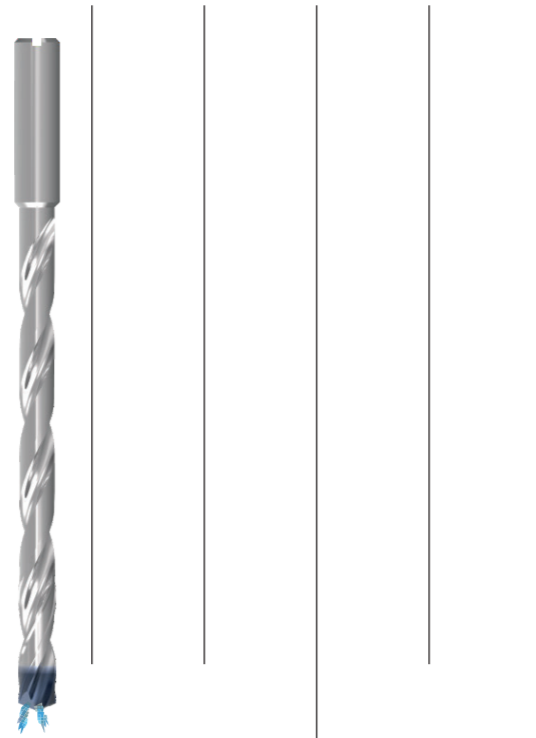
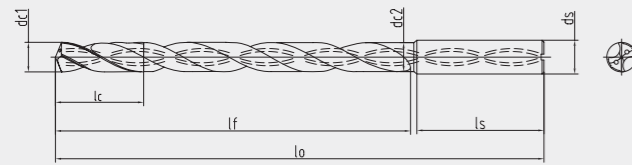
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special Flute
- Super performance tools

12xD SP

VHM K

135° 30°

HA DIN6535 V<sub>c</sub>/f 079



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap	
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	54	4	36	92	0300		
3.5	54	4	36	92	0350		
4.0	64	4	36	102	0400		
4.5	64	6	36	102	0450	M5x0.5 N0.12-24UNC	
5.0	80	6	36	118	0500	M6x1	
5.5	80	6	36	118	0550	1/4-28UNF	M6x1
6.0	80	6	36	118	0600		
6.5	108	7	36	146	0650		
7.0	108	8	36	146	0700	M8x1	
7.5	108	8	36	146	0750		
8.0	120	8	36	162	0800	3/8-16UNC	
8.5	120	10	40	162	0850	M10x1.5 3/8-24UNF	
9.0	120	10	40	162	0900	M10x1	
9.5	120	10	40	162	0950		
10.0	120	12	45	162	1000		
10.5	156	12	45	204	1050		
11.0	156	12	45	204	1100	M12x1	
11.5	156	12	45	204	1150	1/2-20UNF	
12.0	156	12	45	204	1200	M14x2	M14x2
12.5	182	14	45	230	1250	M14x1.5	
13.0	182	14	45	230	1300	M14x1	
13.5	182	14	45	230	1350		
14.0	182	14	45	230	1400	M16x2	
14.5	208	16	48	260	1450	M16x1.5 5/8-18UNF	
15.0	208	16	48	260	1500	M16x1	M16x2
15.5	208	16	48	260	1550	M18x2.5	
16.0	208	16	48	260	1600	M18x2	
16.5	234	18	48	285	1650		
17.0	234	18	48	285	1700	M18x1	
17.5	234	18	48	285	1750	M20x2.5 3/4-16UNF	
18.0	234	18	48	285	1800	M20x2	
18.5	258	20	50	310	1850	M20x1.5	
19.0	258	20	50	310	1900	M20x1	
19.5	258	20	50	310	1950		
20.0	258	20	50	310	2000	M22x2	

硬质合金  
麻花钻

SP-N80112

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型

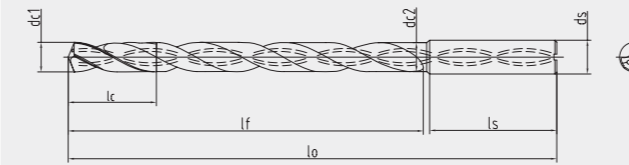
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

12xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 079



适合加工材料: N Suitable for materials: N



订货编号·Order code						丝锥推荐 Recommended Tap	
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	54	4	36	92	0300		
3.5	54	4	36	92	0350		
4.0	64	4	36	102	0400		
4.5	64	6	36	102	0450	M5x0.5 N0.12-24UNC	
5.0	80	6	36	118	0500	M6x1	
5.5	80	6	36	118	0550	1/4-28UNF	M6x1
6.0	80	6	36	118	0600		
6.5	108	7	36	146	0650		
7.0	108	8	36	146	0700	M8x1	
7.5	108	8	36	146	0750		
8.0	120	8	36	162	0800	3/8-16UNC	
8.5	120	10	40	162	0850	M10x1.5 3/8-24UNF	
9.0	120	10	40	162	0900	M10x1	
9.5	120	10	40	162	0950		
10.0	120	12	45	162	1000		
10.5	156	12	45	204	1050		
11.0	156	12	45	204	1100	M12x1	
11.5	156	12	45	204	1150	1/2-20UNF	
12.0	156	12	45	204	1200	M14x2	M14x2
12.5	182	14	45	230	1250	M14x1.5	
13.0	182	14	45	230	1300	M14x1	
13.5	182	14	45	230	1350		
14.0	182	14	45	230	1400	M16x2	
14.5	208	16	48	260	1450	M16x1.5 5/8-18UNF	
15.0	208	16	48	260	1500	M16x1	M16x2
15.5	208	16	48	260	1550	M18x2.5	
16.0	208	16	48	260	1600	M18x2	
16.5	234	18	48	285	1650		
17.0	234	18	48	285	1700	M18x1	
17.5	234	18	48	285	1750	M20x2.5 3/4-16UNF	
18.0	234	18	48	285	1800	M20x2	
18.5	258	20	50	310	1850	M20x1.5	
19.0	258	20	50	310	1900	M20x1	
19.5	258	20	50	310	1950		
20.0	258	20	50	310	2000	M22x2	

SP-P80115

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 强化刃型
- 特殊槽型
- 超高性能刀具

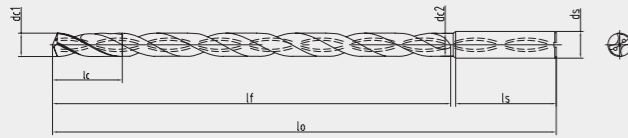
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Enhanced edge
- Special flute
- Super performance tools

15xD SP

VHM K

135° 30°

HA DIN6535 V<sub>c</sub>/f 079



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	55	4	36	95	0300		
3.5	55	4	36	95	0350		
4.0	71	4	36	109	0400		
4.5	93	6	36	133	0450	M5x0.5 N0.12-24UNC	
5.0	105	6	36	145	0500	M6x1	
5.5	105	6	36	145	0550	1/4-28UNF	M6x1
6.0	110	6	36	148	0600		
6.5	120	7	36	162	0650		
7.0	120	8	36	162	0700	M8x1	
7.5	137	8	36	180	0750		
8.0	137	8	36	180	0800	3/8-16UNC	
8.5	160	10	40	204	0850	M10x1.5 3/8-24UNF	
9.0	160	10	40	204	0900	M10x1	
9.5	175	10	40	221	0950		
10.0	175	10	40	221	1000		
10.5	198	12	45	247	1050		
11.0	198	12	45	247	1100	M12x1	
11.5	213	12	45	263	1150	1/2-20UNF	
12.0	213	12	45	263	1200	M14x2	M14x2
12.5	248	14	45	297	1250	M14x1.5	
13.0	248	14	45	297	1300	M14x1	
13.5	248	14	45	297	1350		
14.0	248	14	45	297	1400	M16x2	
14.5	258	16	48	313	1450	M16x1.5 5/8-18UNF	
15.0	258	16	48	313	1500	M16x1	M16x2

SP-N80115

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型

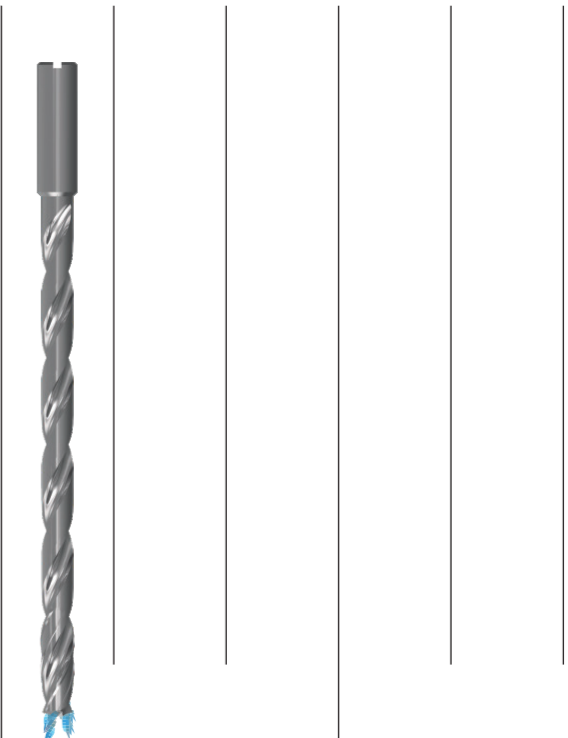
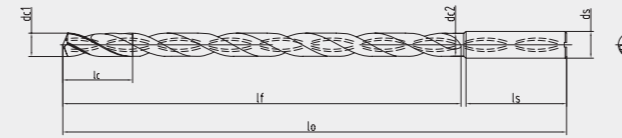
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

15xD SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 079



适合加工材料: N Suitable for materials: N



订货编号·Order code					尺寸编号 Dimension Code	丝锥推荐 Recommended Tap	
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo		切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	55	4	36	95	0300		
3.5	55	4	36	95	0350		
4.0	71	4	36	109	0400		
4.5	93	6	36	133	0450	M5x0.5 N0.12-24UNC	
5.0	105	6	36	145	0500	M6x1	
5.5	105	6	36	145	0550	1/4-28UNF	M6x1
6.0	110	6	36	148	0600		
6.5	120	7	36	162	0650		
7.0	120	8	36	162	0700	M8x1	
7.5	137	8	36	180	0750		
8.0	137	8	36	180	0800	3/8-16UNC	
8.5	160	10	40	204	0850	M10x1.5 3/8-24UNF	
9.0	160	10	40	204	0900	M10x1	
9.5	175	10	40	221	0950		
10.0	175	10	40	221	1000		
10.5	198	12	45	247	1050		
11.0	198	12	45	247	1100	M12x1	
11.5	213	12	45	263	1150	1/2-20UNF	
12.0	213	12	45	263	1200	M14x2	M14x2
12.5	248	14	45	297	1250	M14x1.5	
13.0	248	14	45	297	1300	M14x1	
13.5	248	14	45	297	1350		
14.0	248	14	45	297	1400	M16x2	
14.5	258	16	48	313	1450	M16x1.5 5/8-18UNF	
15.0	258	16	48	313	1500	M16x1	M16x2

SP-P80120

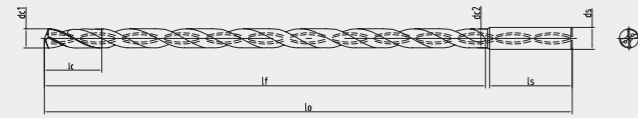
- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 强化刃型
- 特殊槽型
- 超高性能刀具
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Enhanced edge
- Special Flute
- Super performance tools

20×D SP

VHM K

135° 30°

HA DIN6535 V<sub>c</sub>/f 080



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap	
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	70	4	36	110	0300		
3.5	91	4	36	129	0350	M4×0.5 N0.8-36UNF	
4.0	91	4	36	129	0400		
4.5	118	6	36	158	0450	M5×0.5 N0.12-24UNC	
5.0	118	6	36	158	0500	M6×1	
5.5	134	6	36	172	0550	1/4-28UNF	M6×1
6.0	134	6	36	172	0600		
6.5	162	7	36	200	0650		
7.0	162	8	36	200	0700	M8×1	
7.5	184	8	36	222	0750		
8.0	184	8	36	222	0800	3/8-16UNC	
8.5	205	10	40	249	0850		
9.0	205	10	40	249	0900	M10×1	
9.5	227	10	40	271	0950		
10.0	227	10	40	271	1000		

SP-N80120

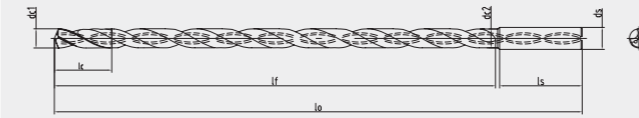
- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

20×D SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 080



适合加工材料: N Suitable for materials: N



订货编号·Order code						丝锥推荐 Recommended Tap	
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	70	4	36	110	0300		
3.5	91	4	36	129	0350	M4×0.5 N0.8-36UNF	
4.0	91	4	36	129	0400		
4.5	118	6	36	158	0450	M5×0.5 N0.12-24UNC	
5.0	118	6	36	158	0500	M6×1	
5.5	134	6	36	172	0550	1/4-28UNF	M6×1
6.0	134	6	36	172	0600		
6.5	162	7	36	200	0650		
7.0	162	8	36	200	0700	M8×1	
7.5	184	8	36	222	0750		
8.0	184	8	36	222	0800	3/8-16UNC	
8.5	205	10	40	249	0850		
9.0	205	10	40	249	0900	M10×1	
9.5	227	10	40	271	0950		
10.0	227	10	40	271	1000		

SP-P80125

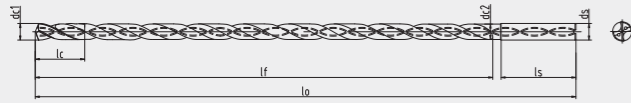
- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 强化刃型
- 特殊槽型
- 超高性能刀具
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Enhanced edge
- Special Flute
- Super performance tools

25×D SP

VHM K

135° 30°

HA DIN6535 V<sub>c</sub>/f 080



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S



订货编号·Order code						丝锥推荐 Recommended Tap	
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	85	4	36	125	0300		
3.5	116	4	36	156	0350	M4×0.5 N0.8-36UNF	
4.0	116	4	36	156	0400		
4.5	145	6	36	183	0450	M5×0.5 N0.12-24UNC	
5.0	145	6	36	183	0500	M6×1	
5.5	170	6	36	210	0550	1/4-28UNF	M6×1
6.0	170	6	36	210	0600		
6.5	197	7	36	237	0650		
7.0	197	8	36	237	0700	M8×1	
7.5	220	8	36	260	0750		
8.0	220	8	36	260	0800	3/8-16UNC	
8.5	250	10	40	294	0850	M10×1.5 3/8-24UNF	
9.0	250	10	40	294	0900	M10×1	
9.5	277	10	40	321	0950		
10.0	277	10	40	321	1000		

SP-N80125

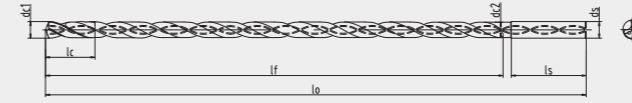
- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

25×D SP

VHM 130°

30° HA DIN6535

V<sub>c</sub>/f 080



适合加工材料: N Suitable for materials: N

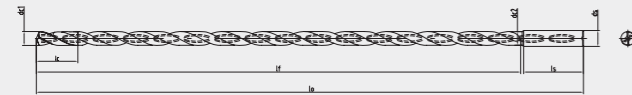
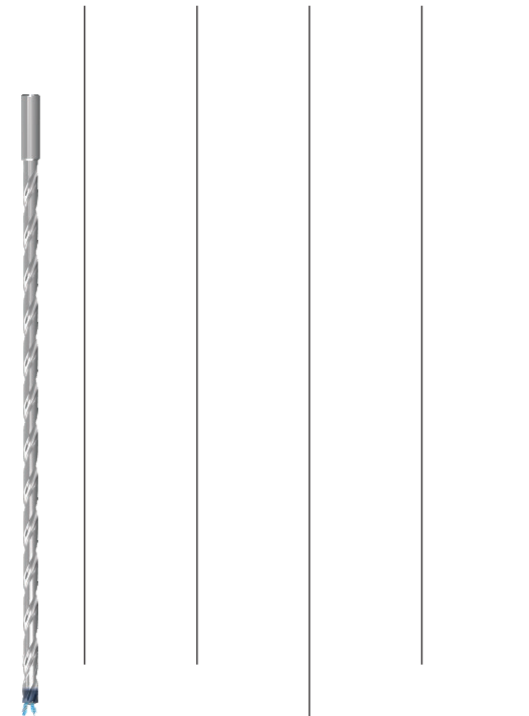
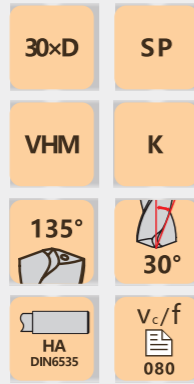


订货编号·Order code						丝锥推荐 Recommended Tap	
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap
3.0	85	4	36	125	0300		
3.5	116	4	36	156	0350	M4×0.5 N0.8-36UNF	
4.0	116	4	36	156	0400		
4.5	145	6	36	183	0450	M5×0.5 N0.12-24UNC	
5.0	145	6	36	183	0500	M6×1	
5.5	170	6	36	210	0550	1/4-28UNF	M6×1
6.0	170	6	36	210	0600		
6.5	197	7	36	237	0650		
7.0	197	8	36	237	0700	M8×1	
7.5	220	8	36	260	0750		
8.0	220	8	36	260	0800	3/8-16UNC	
8.5	250	10	40	294	0850	M10×1.5 3/8-24UNF	
9.0	250	10	40	294	0900	M10×1	
9.5	277	10	40	321	0950		
10.0	277	10	40	321	1000		

SP-P80130

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 强化刃型
- 特殊槽型
- 超高性能刀具

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Enhanced edge
- Special Flute
- Super performance tools



适合加工材料: P、M、K、S Suitable for materials: P、M、K、S

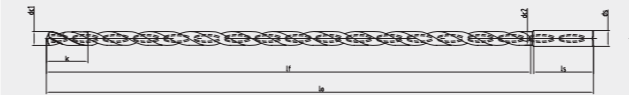
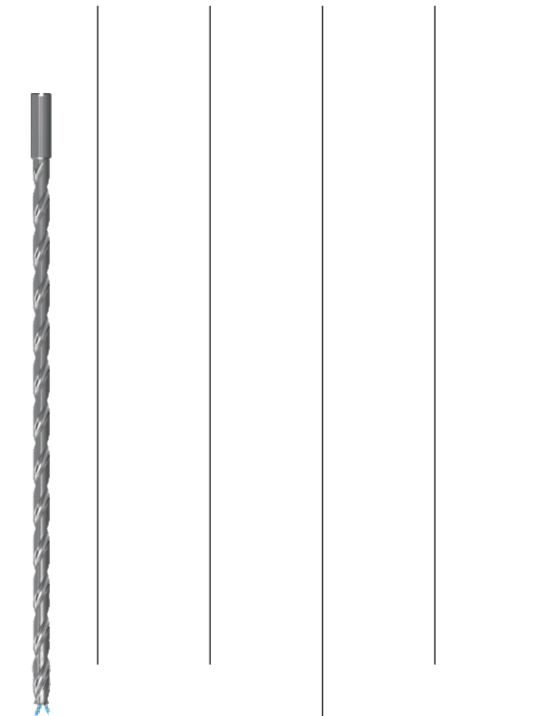
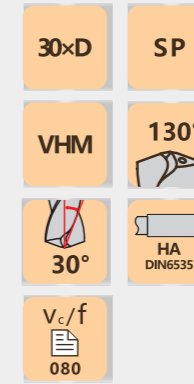


订货编号·Order code						丝锥推荐 Recommended Tap		
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
3.0	100	4	36	140	0300	M4×0.5 N0.8-36UNF		
3.5	136	4	36	176	0350			
4.0	136	4	36	176	0400	M5×0.5 N0.12-24UNC		
4.5	168	6	36	208	0450	M6×1		
5.0	168	6	36	208	0500	1/4-28UNF	M6×1	
5.5	180	6	36	232	0550			
6.0	180	6	36	232	0600			
6.5	232	7	36	272	0650	M8×1		
7.0	232	8	36	272	0700			
7.5	263	8	36	303	0750	3/8-16UNC		
8.0	263	8	36	303	0800			

SP-N80130

- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型

- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute



适合加工材料: N Suitable for materials: N



订货编号·Order code						丝锥推荐 Recommended Tap		
Φ·dc 公差h7	槽长lf	柄径ds 公差h6	柄长ls	总长lo	尺寸编号 Dimension Code	切削丝锥 Cutting Tap	挤压丝锥 Forming Tap	
3.0	100	4	36	140	0300	M4×0.5 N0.8-36UNF		
3.5	136	4	36	176	0350			
4.0	136	4	36	176	0400	M5×0.5 N0.12-24UNC		
4.5	168	6	36	208	0450	M6×1		
5.0	168	6	36	208	0500	1/4-28UNF	M6×1	
5.5	180	6	36	232	0550			
6.0	180	6	36	232	0600			
6.5	232	7	36	272	0650	M8×1		
7.0	232	8	36	272	0700			
7.5	263	8	36	303	0750	3/8-16UNC		
8.0	263	8	36	303	0800			

## SP-X 标准品推荐切削条件 Recommended Cutting Parameters for SP-X Standard Products

应用范围	P (钢件材料)						M (不锈钢材料)					
材料分类	冷扎钢、低碳钢、易切钢等		结构钢、渗碳钢、表面硬化钢、铸钢等		渗碳钢、表面硬化钢、调质钢、中/高碳素钢等		特殊热处理钢、冷作工具钢、渗氮钢等		铁素体结构、马氏体结构		奥氏体结构	
强度极限	≤600N/mm <sup>2</sup>		≤800N/mm <sup>2</sup>		≤1000N/mm <sup>2</sup>		≤1200N/mm <sup>2</sup>		≤950N/mm <sup>2</sup>		≤950N/mm <sup>2</sup>	
材料举例	DC01、ST15/S234JR、20#、1008/10Sb20、Y15Pb、SUN23、SPCE、		E360 (St70-2)、Y15Pb、SUN23、16MnCr5、GS-25CrMo4、ZG1Cr13		20MoCr3、SCM415、SAE5120H、42CrMo4、4135、102Cr6、CK45		50CrMo4、35CrMoV、X45NiCrMo04、31CrMo12、38CrMoAL		X2CrTi12、SS430、SS445、9Cr18		X6CrNiMoTi17-12-12、0Cr18Ni9、SS316	
加工条件	切削速度Vc 每钻进给f (m/min) (mm/r)		切削速度Vc 每钻进给f (m/min) (mm/r)		切削速度Vc 每钻进给f (m/min) (mm/r)		切削速度Vc 每钻进给f (m/min) (mm/r)		切削速度Vc 每钻进给f (m/min) (mm/r)		切削速度Vc 每钻进给f (m/min) (mm/r)	
刃径 φDc(mm)	外冷式 推荐切削条件 External Coolant											
3.0	50-70	0.08-0.12	50-60	0.06-0.10	40-60	0.06-0.10	30-50	0.05-0.1	20-30	0.05-0.10	15-25	0.05-0.10
~4.0	50-70	0.10-0.15	50-60	0.06-0.10	40-60	0.06-0.10	30-50	0.05-0.1	20-30	0.05-0.10	15-25	0.05-0.10
~5.0	50-70	0.10-0.15	50-60	0.10-0.15	40-60	0.10-0.15	30-50	0.05-0.1	20-30	0.05-0.10	20-30	0.05-0.10
~6.0	50-70	0.15-0.20	50-60	0.10-0.15	40-60	0.10-0.15	30-50	0.10-0.15	20-30	0.05-0.10	25-35	0.05-0.10
~8.0	60-80	0.20-0.30	50-70	0.15-0.25	50-70	0.15-0.25	40-60	0.10-0.15	20-40	0.08-0.15	25-40	0.08-0.15
~10.0	60-80	0.20-0.30	50-70	0.15-0.25	50-70	0.15-0.25	40-60	0.15-0.20	20-40	0.08-0.15	30-40	0.08-0.15
~12.0	60-80	0.20-0.30	50-70	0.20-0.30	50-70	0.20-0.30	40-60	0.15-0.20	20-40	0.08-0.15	30-50	0.08-0.15
~16.0	70-90	0.25-0.30	60-80	0.20-0.30	50-70	0.20-0.30	40-60	0.20-0.25	30-50	0.10-0.20	30-50	0.10-0.20
~20.0	70-90	0.25-0.35	60-80	0.20-0.30	50-70	0.20-0.30	40-60	0.20-0.25	30-50	0.10-0.20	30-50	0.10-0.20
刃径 φDc(mm)	内冷式 推荐切削条件 Internal Coolant											
3.0	60-80	0.08-0.12	50-70	0.06-0.10	50-70	0.06-0.10	40-60	0.05-0.1	30-40	0.05-0.10	20-30	0.05-0.10
~4.0	60-80	0.10-0.15	50-70	0.06-0.10	50-70	0.06-0.10	40-60	0.05-0.1	30-40	0.05-0.10	20-30	0.05-0.10
~5.0	60-80	0.10-0.15	50-70	0.10-0.15	50-70	0.10-0.15	40-60	0.05-0.1	30-40	0.05-0.10	25-35	0.05-0.10
~6.0	60-80	0.15-0.20	50-70	0.10-0.15	50-70	0.10-0.15	40-60	0.10-0.15	30-40	0.05-0.10	30-40	0.05-0.10
~8.0	70-90	0.20-0.30	60-80	0.15-0.25	60-80	0.15-0.25	50-70	0.10-0.15	40-50	0.08-0.15	30-45	0.08-0.15
~10.0	70-90	0.20-0.30	60-80	0.15-0.25	60-80	0.15-0.25	50-70	0.15-0.20	40-50	0.08-0.15	30-45	0.08-0.15
~12.0	70-90	0.20-0.30	60-80	0.20-0.30	60-80	0.20-0.30	50-70	0.15-0.20	40-50	0.08-0.15	30-50	0.08-0.15
~16.0	80-100	0.25-0.30	70-90	0.20-0.30	60-80	0.20-0.30	50-70	0.20-0.25	50-60	0.10-0.20	30-50	0.10-0.20
~20.0	80-100	0.25-0.35	70-90	0.20-0.30	60-80	0.20-0.30	50-70	0.20-0.25	50-60	0.10-0.20	30-50	0.10-0.20

## SP-X 标准品推荐切削条件 Recommended Cutting Parameters for SP-X Standard Products

应用范围	K (铸铁材料)				N (有色金属材料)			
材料分类	片状石墨铸铁 (GJL)		球墨铸铁 (GJS)		锻铝、铜		铸铝、铜	
强度极限	100-450N/mm <sup>2</sup>		350-900N/mm <sup>2</sup>					
材料举例	EN-GJL-200(GG20)、HT250、EN-GJL-300(GG30)、HT350		EN-GJS-400-15(GGG40)、QT400、EN-GJS-700-2(GGG70)、QT700					
加工条件	切削速度Vc 每钻进给f (m/min) (mm/r)		切削速度Vc 每钻进给f (m/min) (mm/r)		切削速度Vc 每钻进给f (m/min) (mm/r)		切削速度Vc 每钻进给f (m/min) (mm/r)	
刃径 φDc(mm)	外冷式 推荐切削条件 External Coolant							
3.0	60-90	0.10-0.15	40-70	0.08-0.12	80-100	0.08-0.1	100-120	0.08-0.1
~4.0	60-90	0.10-0.15	40-70	0.10-0.15	80-100	0.1-0.15	100-120	0.1-0.15
~5.0	60-90	0.15-0.20	40-70	0.10-0.15	80-100	0.1-0.15	100-120	0.1-0.15
~6.0	60-90	0.15-0.20	40-70	0.15-0.20	80-100	0.1-0.15	100-120	0.1-0.15
~8.0	70-100	0.20-0.30	50-80	0.20-0.30	100-120	0.15-0.2	110-130	0.15-0.2
~10.0	70-100	0.20-0.30	50-80	0.20-0.30	100-120	0.15-0.2	110-130	0.15-0.2
~12.0	70-100	0.20-0.30	50-80	0.20-0.30	100-120	0.2-0.3	110-130	0.2-0.3
~16.0	80-110	0.25-0.35	60-90	0.25-0.30	100-120	0.25-0.3	120-150	0.25-0.3
~20.0	80-110	0.30-0.35	60-90	0.25-0.35	100-120	0.25-0.35	120-150	0.25-0.35
刃径 φDc(mm)	内冷式 推荐切削条件 Internal Coolant							
3.0	70-100	0.10-0.15	50-80	0.08-0.12	100-120	0.08-0.1	150-180	0.08-0.1
~4.0	70-100	0.10-0.15	50-80	0.10-0.15	100-120	0.1-0.15	150-180	0.1-0.15
~5.0	70-100	0.15-0.20	50-80	0.10-0.15	100-120	0.1-0.15	150-180	0.1-0.15
~6.0	70-100	0.15-0.20	50-80	0.15-0.20	100-120	0.1-0.15	150-180	0.1-0.15
~8.0	80-110	0.20-0.30	60-90	0.20-0.30	120-140	0.15-0.2	180-220	0.15-0.2
~10.0	80-110	0.20-0.30	60-90	0.20-0.30	120-140	0.15-0.2	180-220	0.15-0.2
~12.0	80-110	0.20-0.30	60-90	0.20-0.30	120-140	0.2-0.3	180-220	0.2-0.3
~16.0	90-120	0.25-0.35	70-100	0.25-0.30	140-160	0.25-0.3	220-250	0.25-0.3
~20.0	90-120	0.30-0.35	70-100	0.25-0.35	140-160	0.25-0.35	220-250	0.25-0.35

## SP-N 标准品推荐切削条件 Recommended Cutting Parameters for SP-N Standard Products

### 故障排除 Troubleshooting

故障 Problem	原因 Source	措施 Solution
切削刃外角磨损严重 Heavy wear on the cutting corners	冷却剂流量不足 Insufficient coolant	检查冷却液的润滑情况，在内冷情况下可提高冷却压力。 在外冷情况下可调整冷却剂喷嘴的位置，应从两侧进行冷却。 Check cooling lubricant, in the case of internal coolant supply, increase coolant pressure, in the case of external coolant supply, adjust positioning of coolant jet, cool from both sides.
	工件移位 Workpiece movement	确保工件夹持稳定，并检查机床的稳定性。 Stabilise workpiece chucking and check stability of machine tool.
	钻头选型不当 Wrong drill	检查钻头类型、钻孔深度、冷却系统，以及工件材料。 Check drill type, drilling depth, cooling system, and workpiece material.
	切削条件 Cutting conditions	降低切削速度，提高进给率。 Reduce cutting speed, increase feed rate.
横刃断裂 Splintering on the chisel edge	夹头 Clamping chuck	检查夹持精度。使用液压夹头或高精度装置。 Check clamping accuracy. use hydraulic clamping chuck or high-precision chucking system.
	切削条件 Cutting conditions	降低进给率，提高切削速度。 Decrease feed rate, increase cutting speed.
积屑瘤 Built-up edge	冷却剂流量不足 Insufficient coolant	检查冷却液的润滑情况。在内冷情况下可提高冷却压力。 在外冷情况下可调整冷却剂喷嘴的位置。应从两侧进行冷却。 Check cooling lubricant. in the case of internal coolant supply, increase coolant pressure. in the case of external coolant supply, adjust positioning of coolant jet. cool from both sides.
	切削条件 Cutting conditions	切削速度提高20-30%。 Increase cutting speed by 20-30%.
切削刃断裂 Splintering on the cutting edges	夹头 Clamping chuck	检查夹持精度和扭矩传输情况。 使用液压头或高精度夹头装置。 Check clamping accuracy and torque transmission. Use hydraulic clamping chuck or high-precision chucking system.
	积屑瘤导致的切削条件 Cutting conditions caused by built-up edge	检查切削参数，在可能情况下提高切削速度。 Check cutting values, and possibly increase cutting speed.
		定期检查积屑瘤情况。 Examine regularly for built-up edge.
热裂纹/梳状裂纹 Thermal checking/ comb cracking	切削条件 Cutting conditions	冷却情况应当与切削条件相适合以减少热冲击。 Adapt coolant and cutting conditions to reduce thermal shock.

### 切削液的供给方式

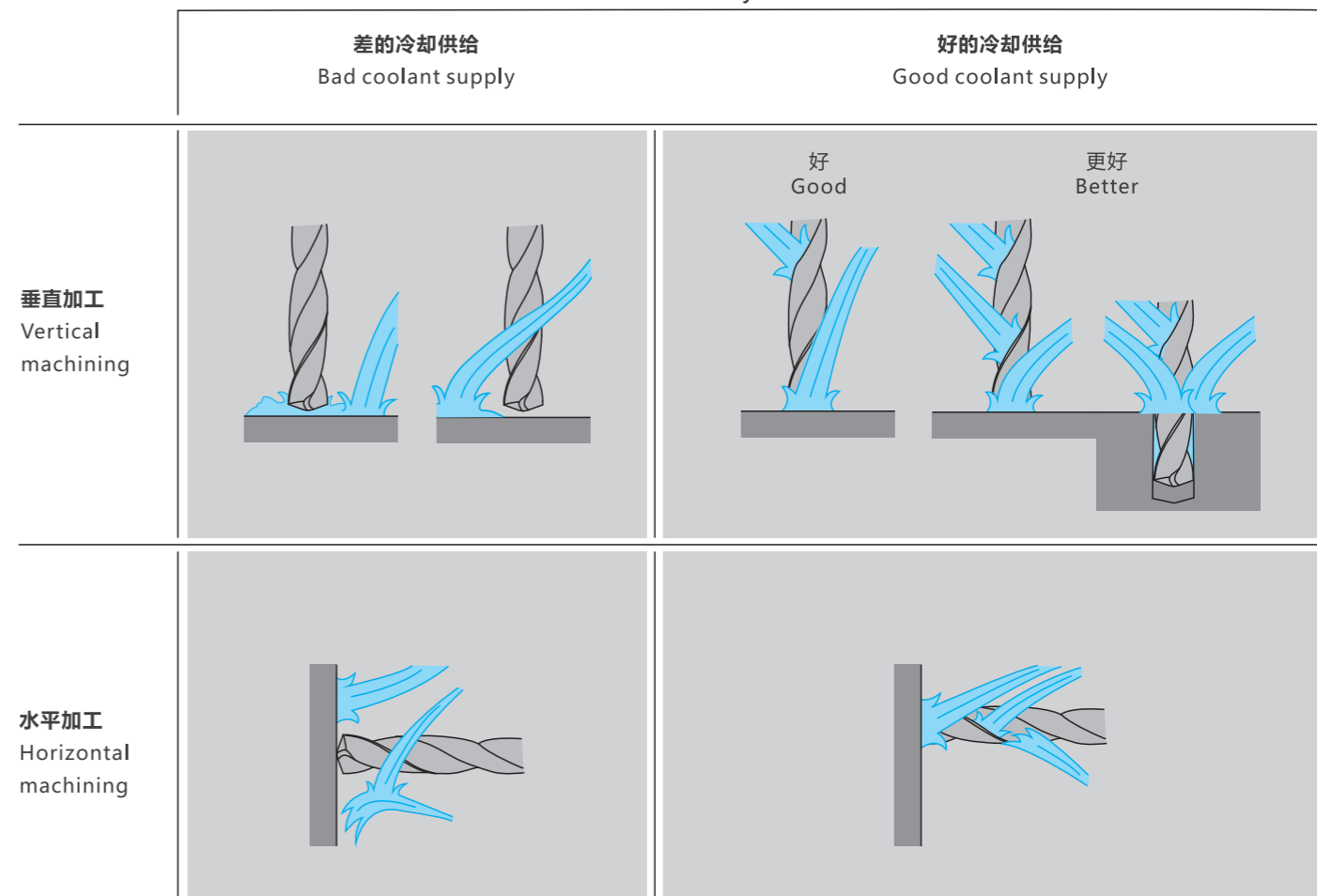
当钻深超过2xD时，内冷总是被推荐的。从5xD钻深起，内冷绝对是必须的。对于外冷，确保不仅有充足的冷却润滑压力，而且外冷供应的正确方式。

如有可能，三个冷却管应该直接对准钻头。

### Coolant supply

Internal cooling is always to be recommended when drill depth exceeds 2 x D. From a drill depth of 5 x D, it is absolutely necessary. With external cooling, make sure to provide not only sufficient coolant pressure but also the right type of supply.

Wherever possible, three coolant-lubricant jets should hit the twist drill directly



## 非标设计 Customized Special Tool

阿诺的专家们能根据客户特定零件的加工需求，提供专业的非标刀具设计和制造，并提供系统的技术支持——这就是阿诺全面的非标刀具订制服务。

AHNO's experts provide special tool designing, manufacturing and systematic technical application support strictly according to customer's machining requirements, which is called AHNO's customized special tool service.

### 定制流程 Ordering Process



### 刀具定制服务优势

Advantages of Customized Special Tool Service

#### 1 金属切削领域全覆盖

Available for all kinds of metal cutting tools

我们的非标刀具定制服务涵盖了钻削、铣削、车削等金属切削领域所有的刀具定制，客户提出加工要求，我们负责满足加工效果。

Our customized special tool service covers all ranges of metal cutting tools such as drilling, milling, turning. Therefore in this service, customers come up with machining requirements and we are responsible for the ideal results.

#### 2 提供整体解决方案

Provide total machining solutions

我们根据客户加工工况、材料和应用类型，专业设计能获得出色加工效果的整体解决方案、配套全套刀具，为客户一站式解决加工难题。

Based on customer's machining conditions, workpiece materials and specific needs, we solve machining problems by one-stop service from providing total machining solutions made to achieve excellent machining effect to designing and manufacturing whole set of cutting tools.

#### 3 持续优化和改进

Constant optimization and improvement

我们致力于持续帮助客户优化金属加工工序，改进加工方案，降低加工成本，协助客户提升生产效率，提升客户竞争力。

We do our best to constantly help customers improving and optimizing machining process, reducing costs, raising productivity and competitiveness.

### 定制非标刀具需要的信息

为您提供定制方案，我们需要您提供以下基本信息

In order to provide customized solution, we require some more detailed information as follows:

零部件图纸  
Drawing of the Workpiece

零部件材料  
Material of the Workpiece

装夹情况  
Clamping Situation

机床参数  
Machine Data

采购数量  
Purchasing Requirement



## 刀具修磨和再涂层 Tool Regrinding Service

阿诺是中国修磨理念和修磨标准的缔造者，并建立了覆盖全国重要工业城市的21家刀具修磨中心，聚焦修磨要求高、需要精密设备和专业技术的刀具修磨。

AHNO is the pioneer of regrinding concept and standard builder in China. We have established 21 regrinding centers over China to serve customers from around big industrial cities. We focus on highly-required tool regrinding which demand both precision equipments and professional techniques.

我们的专业修磨精髓在于通过优化刀具原有参数达到切削、断屑、排屑和刀具强度的完美统一，保证修磨后刀具质量和寿命，同时为客户节约刀具成本。

Our professional regrinding means optimizing original tool parameters to achieve perfect match in metal cutting, chip breaking and tool strength. And in this way, on the one hand we guarantee tool performance and tool life, one the other hand we help customers saving costs.



精密修磨设备 | 涂层设备 | 检测设备

Precision regrinding machine | Coating equipment  
Inspection facility

完善的修磨标准

Professional regrinding standards

细致的工艺

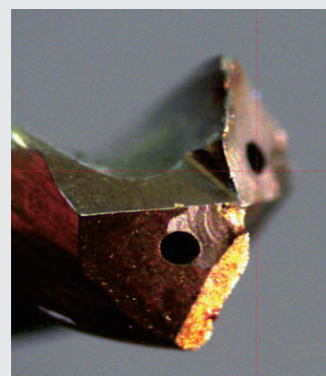
Extremely fine regrinding process

熟练的技工

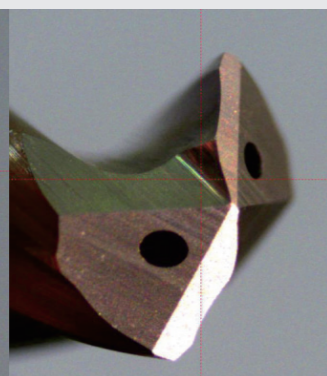
Experienced skill workers

专业修磨  
品质保证

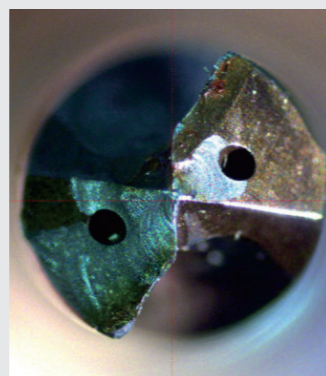
修磨前  
Before regrinding



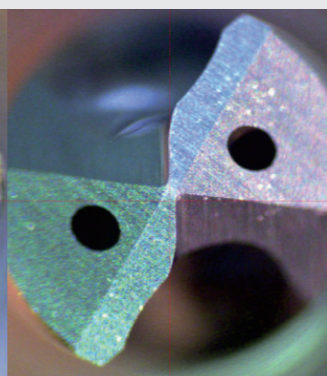
修磨涂层后  
After regrinding & recoating



修磨前  
Before regrinding



修磨涂层后  
After regrinding & recoating



## 修磨服务流程

Regrinding service

### 1 寄送刀具 Transport

客户可将修磨刀具寄送至附近的阿诺修磨中心，或者联系当地销售上门拿取。

Customers can send tools to nearby AHNO regrinding center, or contact local AHNO sales engineer to fetch tools.

### 2 入库检查 Check

修磨前，刀具将由工程师仔细检查和记录磨损情况。

Before the actual regrinding, the tools are carefully checked and noted down their wearing conditions.

客户



AHNO

客户



AHNO

AHNO



AHNO

### 4 返还刀具 Return tools

修磨好的刀具完好包装，并于2周内返还至客户处。

The reground and recoated tools are safely packed and returned within 2 weeks to customers address.

### 3 修磨与涂层 Regrinding & recoating

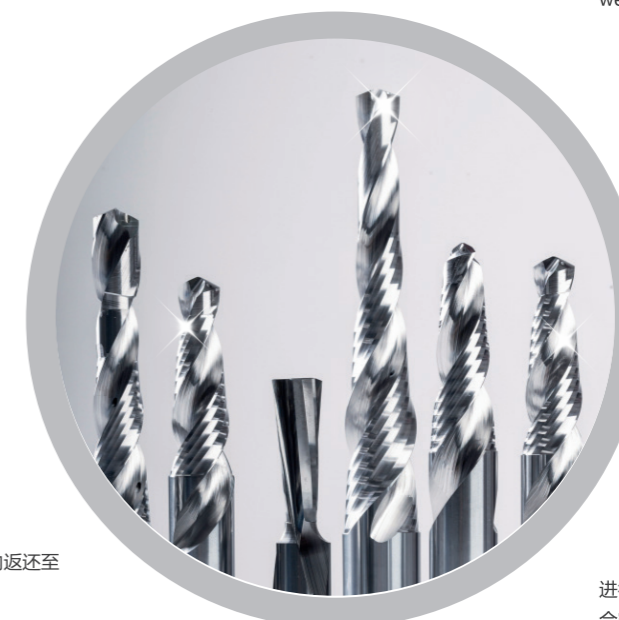
制定好可修刀具的修磨标准和工序后，工程师进行修磨和再涂层，并严格检测，确保刀具再次符合客户使用标准。

For the suitable tools, engineers formulate proper regrinding standard and process. After professional regrinding and recoating, tools are subject to strict quality inspection to make sure meet each requirement.

AHNO



AHNO



## PVD涂层服务 PVD Coating Service

值得信赖的涂层服务商 Trustable Coating Service Provider

阿诺为客户提供世界领先水平的PVD涂层服务（物理气相沉积涂层），满足刀具、模具、零部件领域客户高耐磨度、高润滑度、高光洁度等要求。

AHNO provides world's leading PVD (physical vapor deposition) coating service. AHNO coating service allows you to gain lower cost and higher efficiency.

### 先进硬件设施

Advanced hardware facilities

拥有完整的涂层工艺生产线，配置国际先进的涂层设备、全自动清洗线、喷砂的前后处理设备及抛光设备，实现高自动化、高效高质的涂层生产。涂层设备采用全球最新最优化的磁场结构，在大电流的情况下也能精确控制电弧的运动，最大限度的杜绝液滴，涂层质量达世界领先水平。

AHNO has complete coating production lines equipped with the world's newest and most advanced arc coating machines. The small and high speed moving arcs guarantee fine particle sizes of the coating and no droplets, which makes the world's best coating quality.

#### 严格质量管理 Strict quality control

完善的ISO9001管理体系，严格的质量管控，严谨的工艺开发，齐全的检测设备，确保涂层质量稳定，品质如一。

Excellent quality management system of ISO9001, strict quality control, rigorous process development and the whole set of testing equipments ensure the stable quality of the coating.

#### 无缝对接能力 Quick responses

最快的涂层交付期与完善及时的售后服务无缝整合到客户的生产流程中，保证客户强大的竞争力。

The fastest delivery time and prompt after-sales service reinforce the competitiveness of customers.

#### 强大技术团队 Experienced technical team

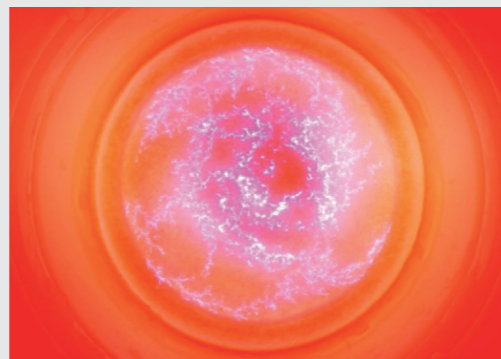
近20年涂层经验的积累，专业涂层技术团队，能根据客户需求，在最短的时间内提供最合适的涂层解决方案。

Nearly 20 years of experience specializing in coating area, our professional coating technical team can provide the most suitable coating solution in the shortest time according to customer needs.

#### 研发体系 R&D system

阿诺拥有针对客户需求的新产品研发体系，致力于为客户提供最符合客户需求和最优质的产品与服务。

AHNO has a customer-oriented research and development system which aims at providing customers the best quality and services.



### 阿诺涂层优势

AHNO Coating Advantages

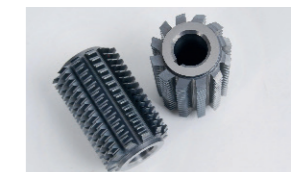
- 耐磨性高 | High abrasive resistance
- 摩擦系数低 | Low friction coefficient
- 涂层致密 | Excellent coating density
- 对环境友好 | Environment friendly
- 涂层工艺温度低于大多数钢材的最终热处理回火温度  
The coating temperature is lower than most steels tempering temperature.
- 涂层厚度能精确控制在微米级，不影响零件尺寸  
Do not affect the size of the parts as the coating thickness can be controlled precisely by micron.
- 根据客户需求，灵活选择单一涂层或复合涂层，满足客户需求  
Flexible solutions of a single coating or composite coating to meet customer demand.



### 阿诺涂层应用范围

Application Areas Of AHNO Coating

- 阿诺涂层可广泛用于金属切削刀具、模具、零部件等领域  
AHNO coating can be widely used in the fields of metal cutting tools, dies and components.
- 金属切削刀具：各杆状类刀具，刀片，滚刀  
Metal cutting tools: shank tools, inserts, hobs.
- 模具：冲压成型模具，塑胶模具，压铸模具  
Dies: punching and forming molds, plastic molds, casting dies.
- 零部件：需要耐磨防腐以及无油润滑的摩擦件  
Components: Friction parts require wearing resistance, anti-corrosion or without lubrication.



### 涂层种类

Coating Types

涂层 Coating Type	结构 Structure	主要成份 Main Ingredients	颜色 Colour	硬度 HV	与钢的摩擦系数 Coefficient Of Friction With Steel	工作温度 Working Temperature	厚度 Thickness
超I Super I	单层 Monolayer	TiN	金黄色 Gold	2200	0.4	700	2-3um
超F Super F	单层 Monolayer	TiAlN	蓝黑色 Blue Black	3300	0.4	900	2-3um
超T Super T	单层+top Monolayer +top	TiAlN	蓝黑色 Blue Black	3300	<0.3	900	2-3um
超J Super J	多层 Multi-layer	C系 C based	灰色 Grey	2300	<0.3	700	1.5um
超H Super H	多层 Multi-layer	Si系 Si based	古铜色 Copper	3400	<0.4	1100	1.5um-3um
模具复合涂层 Die composite coating	多层 Multi-layer	AlCr基 AlCr based	灰色 Grey	3300	<0.4	1100	1.5um-4um
超x Super X	单层 Monolayer	AlCr基 AlCr based	亮黑色 Black	3300	<0.4	1100	1.5um-4um
超C Super C	单层 Monolayer	AlCr基 AlCr based	青灰色 Grey	3300	<0.4	1100	1.5um-4um
DLC涂层	多层 Multi-layer	C基 C based	亮黑色 Black	2200	<0.05	350	1um-3um 3um-5um
XT涂层	多层 Multi-layer	TiAlN TiAlN based	蓝黑色 Blue Black	3300	<0.3	1000	1.5um-3um

欢迎致电垂询，我们将为您提供最优的涂层解决方案。

Contact us for the best coating solutions.

## 阿诺刀具管理 Ahno Tool Management

阿诺是国内最早从事刀具管理的践行者，阿诺以特有的供应链管理、强大的技术服务团队、专业的加工分析和控制能力等特点，走在了刀具管理前沿，获得众多客户的认可。

AHNO is the pioneer and leader in tool management in China. With characterized supply chain management experiences, technical service experts, professional machining analysis and optimization, AHNO has been widely recognized by many customers.



### 采用阿诺刀具管理的优势

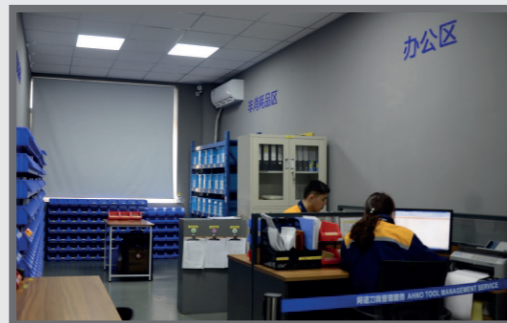
The benefits of using AHNO tool management



提升效率 控制成本

#### 优化工艺，提升加工效率

Optimize processing and promote machining efficiency



#### 专业驻场刀具技术服务团队

Professional on-site technical service experts



#### 实现刀具零库存

Zero stock



#### 降低刀具管理成本

Reduce cutting tool costs



### 智能化硬件配套

Smart hardware

实现现场仓储、发放、回收的一站式服务

Realize one-stop service from on-site tool stocking, tool releasing to used tool recycling.



### 专业刀具管理软件实现刀具使用情况信息化、科学化

Professional tool management software makes tool using data more scientific.



No more personnels for tool purchasing, management and application. Only one invoice for one month, enhance competitiveness.

无人化管理, 月结30天, 提高竞争力

阿诺为您提供的不仅是高品质的刀具，还有您真正需要的专业技术支持和刀具一站式管理服务，欢迎您致电垂询！

AHNO not only provides high quality cutting tools, but also gives customers professional technical support as well as one-stop tool management service. Please contact us for more information.

## AHNO客户服务体系 Customer Service System



### 售前咨询

详细了解客户需求，为客户量身定制最经济高效的金属加工解决方案。

### Pre-sale Consulting

Based on deep understanding of customer demands, we are happy to assist customers to find out the most economical and efficient machining solutions.



### 售后服务

快速响应的应用工程师现场服务，在客户车间提供技术支持。

### After-sale Service

With quick response on-site application service, our engineers provide technical support for customers.

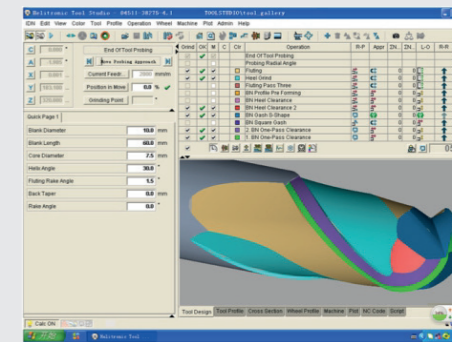


### 报价系统

如需查询库存刀具和价格信息，咨询相应联系人即可快速得到信息。

### Quotation Service

Always be able to get a quick feedback from AHNO sales engineers for information about price and availability of stock.



### 定制定向研发

针对客户的加工材料和加工特点立项研发刀具。

### Customized Researches

Customized special tool research projects to guarantee products made to customer's material and machining specifications.



### 展会

定期参展，展示阿诺最新产品，以便客户及时了解最新技术和产品。

### Fairs and Exhibitions

We take part in a variety of exhibitions to inform customers our technological developments and new products.



### 技术交流，动态发布

全媒体发布技术动态信息、加工经验与客户共享。

### Technical Information Sharing

Multi ways to share our latest technical development and experiences.

官方微信: AhnoCuttingTools

微信公众号: 苏州阿诺精密切削技术有限公司

网站: www.ahno-tool.com



### 客户调研

定期走访和调研客户需求，提升客户满意度

### Customer Survey

Regular customer's workshop visit and demand survey to make sure customer satisfaction.



### 刀具工程师培训会

线上和线下相结合，进行相关刀具培训和讲座。

### Cutting Tool Engineer Training

On-line, live broadcast and off-line cutting tool application training courses and seminars.

**苏州阿诺精密切削技术有限公司**  
Suzhou Ahno Precision Cutting Tool Technology Co., Ltd.  
地址:苏州市工业园区科智路9号  
邮编 Zip code:101111  
电话 Tel:+86-512-62877712

**阿诺(北京)精密工具有限公司**  
Ahno ( Beijing ) Precision Tool Co., Ltd.  
地址:北京市通州区光机电一体化产业基地光联工业园2号厂房D区  
邮编 Zip code:101111  
电话 Tel:+86-10-81504625

**阿诺(沈阳)精密工具有限公司**  
Ahno (Shenyang) Precision Tool Co., Ltd.  
地址:沈阳市沈北新区蒲文路17-25号102  
邮编 Zip code:110141  
电话 Tel:+86-24-31267380

**成都阿诺刀具有限公司**  
Chengdu Ahno Cutting Tool Co., Ltd.  
地址:成都市温江区科兴西路188号海峡中小企业孵化园区工程13号厂房1楼  
邮编 Zip code:611130  
电话 Tel:+86-28-67214951

**济南阿诺刀具有限公司**  
Jinan Ahno Cutting Tool Co., Ltd.  
地址:济南市天桥区梓东大道8号中南高科产业园22-B楼  
邮编 Zip code:250118  
电话 Tel:+86-531-85980941

**合肥阿诺精密工具有限公司**  
Hefei Ahno Precision Tool Co., Ltd.  
地址:合肥市包河工业园区兰州路88号青网园二期9号楼102室  
邮编 Zip code:230051  
电话 Tel:+86-551-63838772

**株洲阿诺精密工具有限公司**  
Zhuzhou Ahno Precision Tools Co.,Ltd.  
地址:株洲市天元区栗雨工业园江山路12号

**杭州比诺精密工具有限公司**  
Hangzhou Bino Precision Tool Co., Ltd.  
地址:浙江省杭州市萧山区新塘街道西许村萧绍东路102号  
邮编 Zip code:311201  
电话 Tel:+86-571-83691308

**武汉阿诺精密工具有限公司**  
Wuhan Ahno Precision Tool Co., Ltd.  
地址:武汉市东湖新技术开发区流芳大道52号光谷文化创意产业园E-15幢102号  
邮编 Zip code:430000  
电话 Tel:+86-27-87988911

**东莞阿诺精密切削技术有限公司**  
Dongguan Ahno Precision Cutting Tool Technology Co., Ltd.  
地址:广东省东莞市长安镇上角上兴西路2号1栋101室  
邮编 Zip code: 523866  
电话 Tel:+86-769-81585252/ +86-769-81585353

**常熟阿诺切削工具有限公司**  
Changshu Ahno Cutting Tool Co., Ltd.  
地址:常熟东南开发区富春江路69号佳源置业3号厂房  
邮编 Zip code:215533  
电话 Tel:+86-512-52952107

**重庆阿诺刀具有限公司**  
Chongqing Ahno Cutting Tool Co., Ltd.  
地址:重庆市两江新区水土高新区联东U谷  
邮编 Zip code:400020  
电话 Tel:+86-23-68255181

**宁波阿诺精密工具有限公司**  
Ningbo Ahno Precision Tool Co., Ltd.  
地址:浙江省宁波市江北区洪塘工业A区洪盛路15弄1号  
邮编 Zip code:315176  
电话 Tel:+86-574-87320603

**义乌阿诺精密工具有限公司**  
Yiwu Ahno Precision Tool Co., Ltd.  
地址:浙江省义乌市高新路10号高创园孵化楼5号楼1楼  
电话 Tel:+86-579-85580162

**湖南阿诺精密切削技术有限公司**  
Hunan Ahno Precision Cutting Tool Technology Co., Ltd.  
地址:株洲市天元区泰山路1986号高科汽配园D3-05 (4楼)  
电话 Tel:+86-731-22890589

**烟台阿诺刀具有限公司**  
Yantai Ahno Cutting Tools Co., Ltd.  
地址:山东省烟台市经济技术开发区台北北路48号联合厂房二层  
电话 Tel:+86-535-6952620

**长春阿诺精密工具有限公司**  
Changchun Ahno Precision Tool Co., Ltd.  
地址:吉林省长春市高新技术产业开发区高新越达科技产业园17号楼北半栋1楼  
电话 Tel:+86-431-7779769

**贵州阿诺刀具有限公司**  
Guizhou Ahno Cutting Tools Co., Ltd.  
地址:贵州省安顺市平坝高新技术产业开发区高铁大道1号16幢  
电话 Tel:+86-512-62877712

**陕西阿诺精密切削技术有限公司**  
Shanxi Ahno Precision Cutting Tool Technology Co., Ltd.  
地址:陕西省西安市高新区草堂科技产业基地秦岭大道西6号科技企业加速器二区六栋一单元一层10201房  
邮编 Zip code:71000  
电话 Tel:+86-0512-62877712

