

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



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# Standard Drills 标准品钻头

# 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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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}

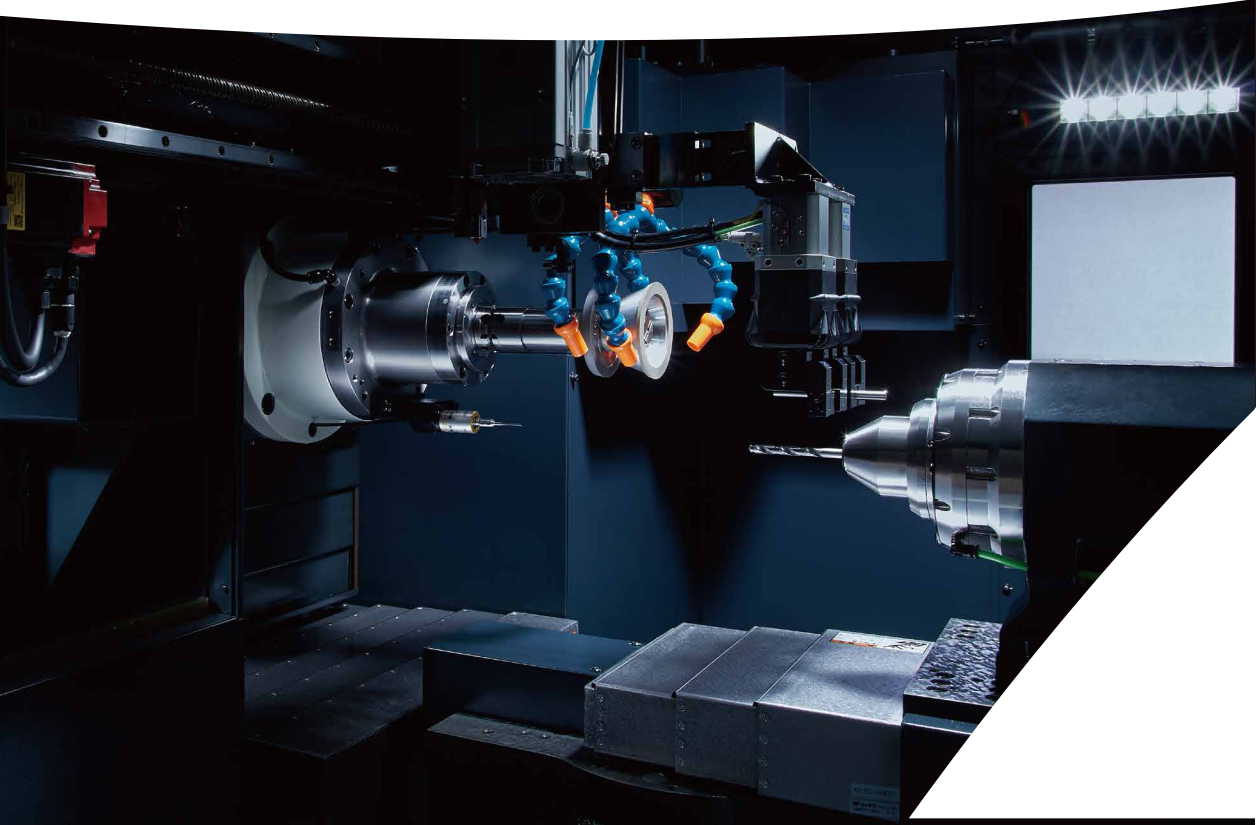
# Company Introduction 公司介绍



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！



Founded in 2002, AHNO was initially established by German and Chinese investors and restructuring of the listed company named Baosi compressor as an important part of the shares in 2016 (stock code: 300441). At present, AHNO has opened 20 regrinding service centers and 6 factories in the global with more than 1000 employees, of which more than 30 doctors and masters as the leading research and development personnel.

AHNO provides high quality precision metal cutting tools research and development, design, manufacturing, grinding, technical support and one-stop service. Products including non-standard tools, standard tools, medical tools, tool coating, tool grinding, intelligent tool cabinet, tool management and so on.

As one of the most influential enterprises in the field of precision cutting tools in China, AHNO's products are widely used in the automotive industry, aerospace, mold manufacturing, engineering machinery, precision machinery, medical industry and other high-end manufacturing fields. AHNO will rely on good hardware advantages and talent advantages, continue to lead the domestic tool manufacturing and grinding field, through "rapid precision manufacturing, national chain grinding, professional tool management, the overall solution". AHNO will always be 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。

Up to the present, AHNO has opened 20 regrinding service centers and is able to cover businesses in all the industrial cities across China. More than 3500 customers receive localized service and rapid on-site technical support from AHNO. In March 2017, AHNO has merged Singapore Access Precision Tools PTE LDT to expand South-east Asia tool market.

Customer oriented, AHNO keeps providing free advices and guidance on cutting tool application, on-site technical service and special tool optimization. Wherever you are, AHNO is always at the other side of your phone.





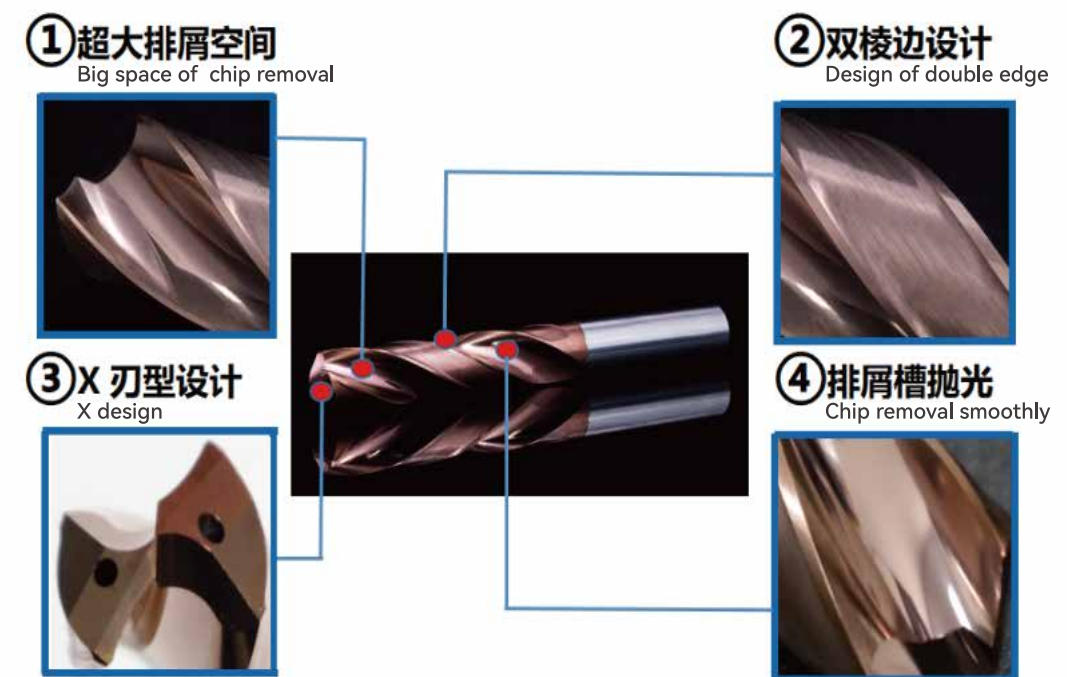
# Chapter Overview 章节目录

|   |  |   |
|---|--|---|
| 1 | SP系列标准品钻头<br>SP Series Standard Drills   | 硬质合金麻花钻<br>Carbide Twist Drills<br>005 ~ 044<br><br>深孔钻<br>Deep Hole Drills<br>045 ~ 054<br><br>加工条件<br>Cutting Conditions<br>055 ~ 056<br><br>技术资料<br>Technical Information<br>057 ~ 058 |
|   | 2  | 非标刀具<br>Special Tool<br>059 ~ 062   |
|   | 3  | 涂层服务<br>Coating Service<br>063 ~ 064  |
|   | 4  | 刀具管理<br>Tool Management<br>065 ~ 066  |
| 5 | 通用信息<br>General Information<br>067 ~ 068 |   |

## 整体硬质合金钻头型号识别 Designation System for drill

| SP                         | —  | X                                    | 8   | 0                     | 1                   | 03                              | 0350 |
|----------------------------|--|--------------------------------------|---|-----------------------|---------------------|---------------------------------|------|
| ↓                          | ↓  | ↓                                    | ↓   | ↓                     | ↓                   | ↓                               | ↓    |
| ①系列名称<br>Designation       | ②被加工材料<br>Material                       | ③钻头螺旋形式<br>Designation form of drill | ④钻头结构<br>Designation of drill                 | ⑤冷却方式<br>Coolant      | ⑥钻深比<br>Drill depth | ⑦刃径<br>Diameter of cutting edge |      |
| PF 高性能<br>High performance | P 钢件/铸铁<br>Steel/Cast iron               | 8 麻花钻<br>Carbide twist drill         | 0 普通<br>Normal drill                          | 0 外冷<br>Outer coolant | 03 3倍径<br>3 times   | 0350 3.5mm                      |      |
| SP 钻神<br>Super drill       | S 不锈钢<br>Stainless steel                 | 7 直槽钻<br>Straight fluted drill       | 1 同柄同径<br>Same handle and same diameter drill | 1 内冷<br>Inner coolant | 05 5倍径<br>5 times   | 1050 10.5mm                     |      |
|                            | N 有色金属<br>Non-ferrous metals             |                                      | 2 三尖<br>Tritan-Drill                          |                       | 08 8倍径<br>8 times   |                                 |      |
|                            | X 通用(除有色金属)<br>Except non-ferrous metals |                                      | 3 阶梯钻<br>Step drill                           |                       | 12 12倍径<br>12 times |                                 |      |

## 高效通用钻头SP-X系列 High efficiency drill for SP-X





SP-X80103

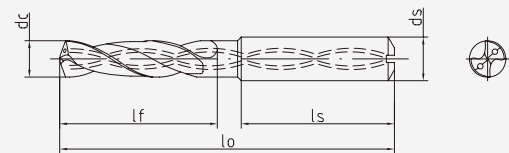
- 尺寸形式 参考DIN6537标准制造
- AHNO标准
- 定心力强
- 特殊槽型
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- Manufacturing standard: DIN 6537
- AHNO standard
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- Fine polished flute
- Super performance tools
- Universality on different materials

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<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>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                   |                      |                  |

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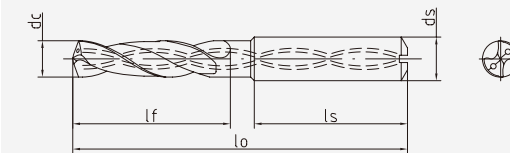
- 尺寸形式 参考DIN6537标准制造
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3xD SP

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

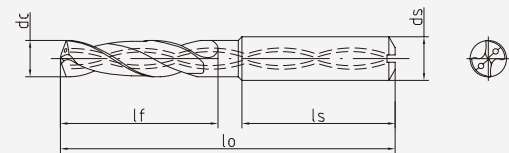
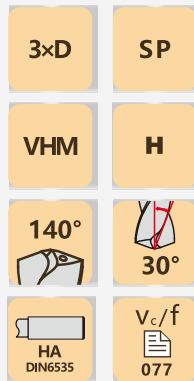


| 订货编号-Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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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适合加工材料: P、M、K、S Suitable for materials: P、M、K、S

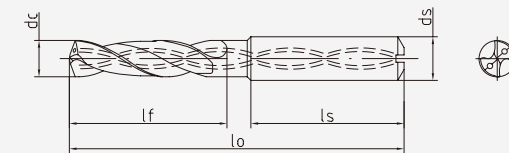
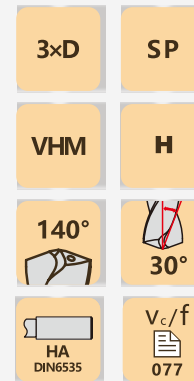


| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |       |                  |    |
|-----------------|------|--------------|------|------|------------------------|----------------------|-------|------------------|----|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切屑丝锥 Cutting Tap     |       | 挤压丝锥 Forming Tap |    |
|                 |      |              |      |      |                        | 13.4                 | 60    | 14               | 45 |
| 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

- 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



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

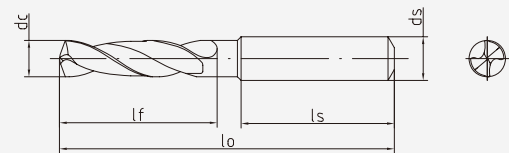
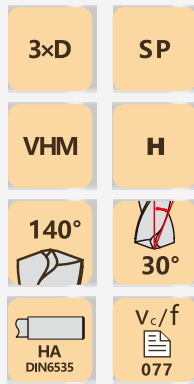


| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |    |                  |    |
|-----------------|------|--------------|------|------|------------------------|----------------------|----|------------------|----|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切屑丝锥 Cutting Tap     |    | 挤压丝锥 Forming Tap |    |
|                 |      |              |      |      |                        | 18.6                 | 79 | 20               | 50 |
| 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

- 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

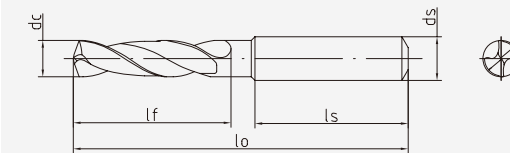
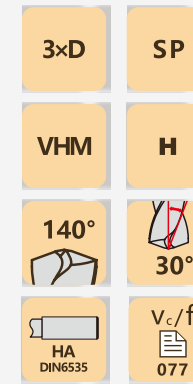


| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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                   | M4x0.7               |                  |
| 3.5             | 20   | 6            | 36   | 62   | 0350                   | 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



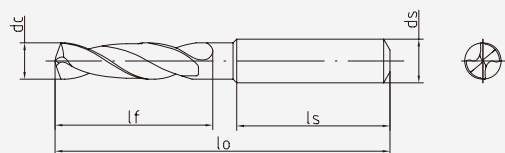
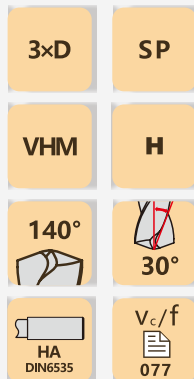
| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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



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

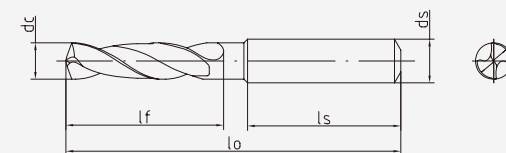
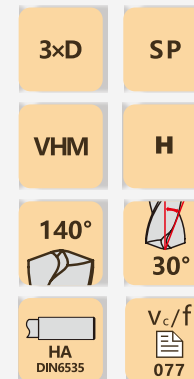


| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                     |
|-----------------|------|--------------|------|------|------------------------|----------------------|---------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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



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<br>Dimension Code | 丝锥推荐 Recommended Tap |                     |
|-----------------|------|--------------|------|------|------------------------|----------------------|---------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

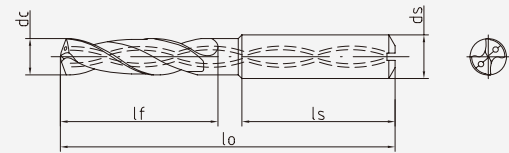
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

3xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Sutable for materials: N

N  

| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>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                   |                      |                  |
| 7.4             | 41   | 8            | 36   | 79   | 0740                   | M8x0.75              | 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

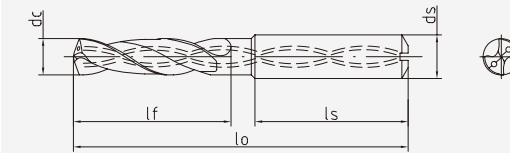
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

3xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Sutable for materials: N

N  

| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>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

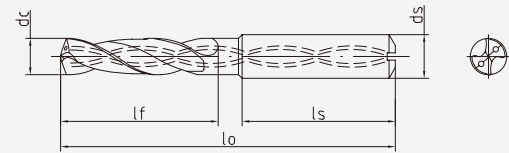
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

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<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>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

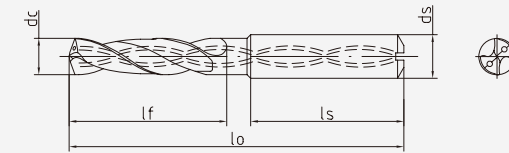
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

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

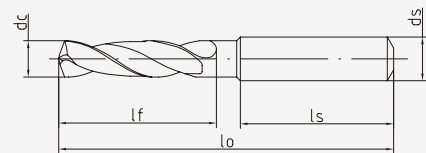
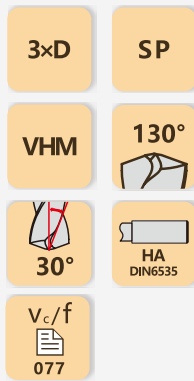
| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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



适合加工材料: N Sutable for materials: N

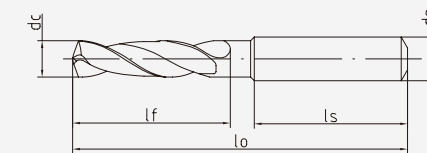
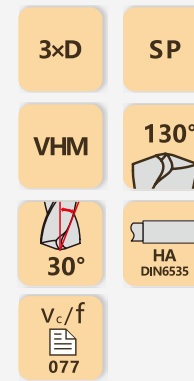
N  

| 订货编号-Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                     |  |
|-----------------|------|--------------|------|------|------------------------|----------------------|---------------------|--|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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                   | M4x0.7               |                     |  |
| 3.4             | 20   | 6            | 36   | 62   | 0340                   | NO.8-32UNC           |                     |  |
| 3.5             | 20   | 6            | 36   | 62   | 0350                   | M4x0.5 NO.8-36UNF    |                     |  |
| 3.6             | 20   | 6            | 36   | 62   | 0360                   |                      |                     |  |
| 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                   |                      |                     |  |
| 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



适合加工材料: N Sutable for materials: N

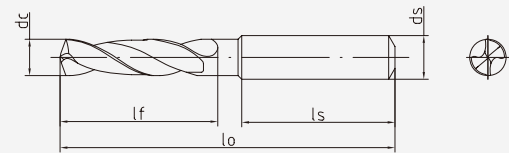
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| 订货编号-Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                     |  |
|-----------------|------|--------------|------|------|------------------------|----------------------|---------------------|--|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

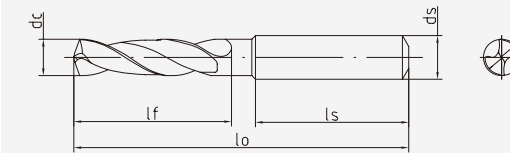
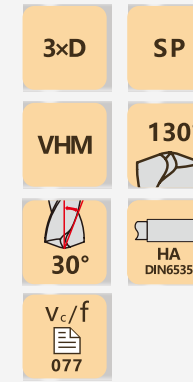
N

| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>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

| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>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

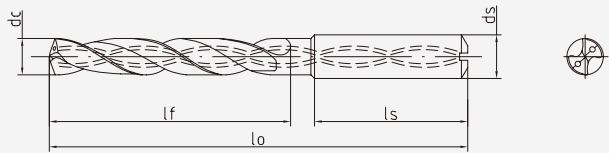
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Fine polished flute
- Super performance tools
- Universality on different materials

5xD SP

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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<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

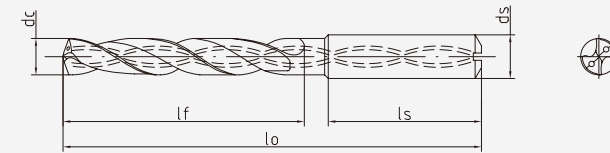
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Fine polished flute
- Super performance tools
- Universality on different materials

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<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

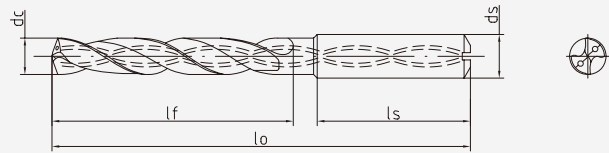
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Fine polished flute
- Super performance tools
- Universality on different materials

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 |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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

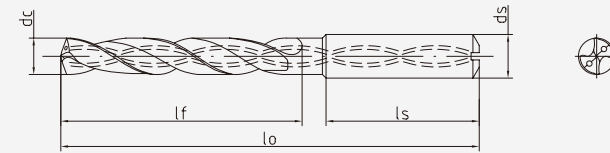
- Manufacturing standard: DIN 6537
- AHNO standard
- Good centering performance
- Special Flute
- Super performance tools
- Universality on different materials

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 |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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                |                  |

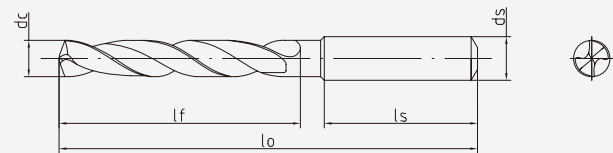
- SP-X80005**
- 尺寸形式 参考DIN6537标准制造
  - AHNO标准
  - 定心力强
  - 特殊槽型
  - 超高性能刀具
  - 通用性强

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<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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                   |                      |                     |  |  |

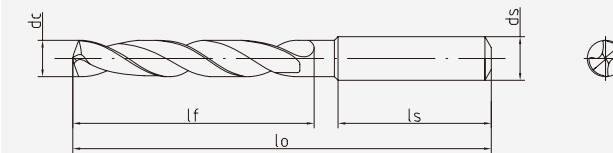
- SP-X80005**
- 尺寸形式 参考DIN6537标准制造
  - AHNO标准
  - 定心力强
  - 特殊槽型
  - 超高性能刀具
  - 通用性强

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

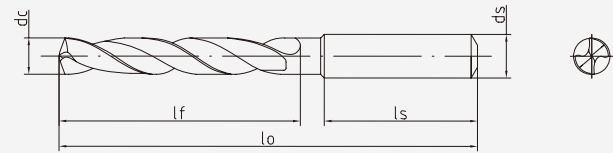
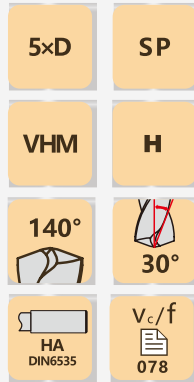


| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                     |  |  |
|-----------------|------|--------------|------|------|------------------------|----------------------|---------------------|--|--|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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-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



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

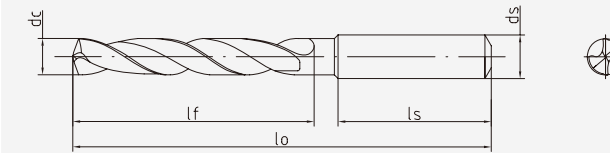
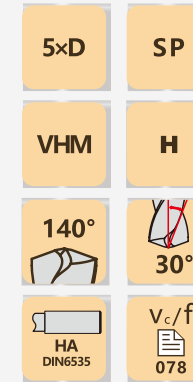


| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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



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<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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

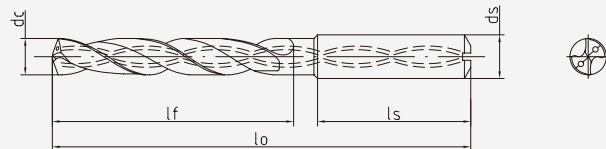
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

5xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Suitable for materials: N



| 订货编号·Order code          |                  |                          |                  |                  | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|--------------------------|------------------|--------------------------|------------------|------------------|------------------------|----------------------|------------------|
| Φ·d <sub>c</sub><br>公差m7 | 槽长l <sub>f</sub> | 柄径d <sub>s</sub><br>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               | 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                   |                      |                  |
| 3.4                      | 28               | 4                        | 36               | 66               | 0340                   |                      |                  |
| 3.5                      | 28               | 4                        | 36               | 66               | 0350                   | M4x0.7               |                  |
| 3.6                      | 28               | 4                        | 36               | 66               | 0360                   | NO.8-32UNC           |                  |
| 3.7                      | 28               | 4                        | 36               | 66               | 0370                   | M4x0.5 NO.8-36UNF    |                  |
| 3.8                      | 36               | 4                        | 36               | 74               | 0380                   |                      | M4x0.7           |
| 3.9                      | 36               | 4                        | 36               | 74               | 0390                   |                      | M4x0.5           |
| 4.0                      | 36               | 4                        | 36               | 74               | 0400                   | NO.10-24UNC          |                  |
| 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                   |                      |                  |
| 7.4                      | 53               | 8                        | 36               | 91               | 0740                   | M8x0.75              | 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

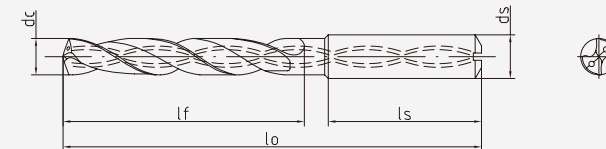
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

5xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Suitable for materials: N



| 订货编号·Order code          |                  |                          |                  |                  | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|--------------------------|------------------|--------------------------|------------------|------------------|------------------------|----------------------|------------------|
| Φ·d <sub>c</sub><br>公差m7 | 槽长l <sub>f</sub> | 柄径d <sub>s</sub><br>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-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

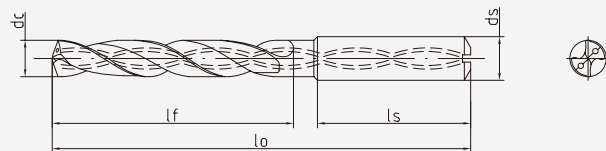
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

5xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Suitable for materials: N

N

| 订货编号·Order code          |                  |                          |                  |                  | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|--------------------------|------------------|--------------------------|------------------|------------------|------------------------|----------------------|------------------|
| Φ·d <sub>c</sub><br>公差m7 | 槽长l <sub>f</sub> | 柄径d <sub>s</sub><br>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                   |                      |                  |
| 15.1                     | 83               | 16                       | 48               | 133              | 1500                   | M16x1                | M16x2            |
| 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

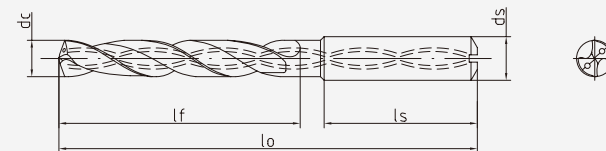
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

5xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Suitable for materials: N

N

| 订货编号·Order code          |                  |                          |                  |                  | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|--------------------------|------------------|--------------------------|------------------|------------------|------------------------|----------------------|------------------|
| Φ·d <sub>c</sub><br>公差m7 | 槽长l <sub>f</sub> | 柄径d <sub>s</sub><br>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

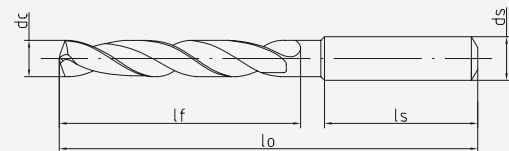
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Fine polished flute

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 N

| 订货编号·Order code          |                  |                          |                  |                  | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|--------------------------|------------------|--------------------------|------------------|------------------|------------------------|----------------------|------------------|
| Φ·d <sub>c</sub><br>公差m7 | 槽长l <sub>f</sub> | 柄径d <sub>s</sub><br>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              | M8x1.25          |
| 7.4                      | 53               | 8                        | 36               | 91               | 0740                   |                      |                  |
| 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

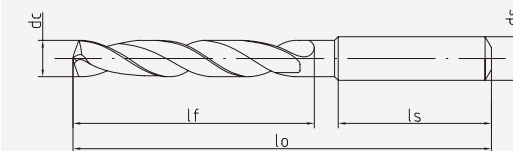
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special Flute

5xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Suitable for materials: N

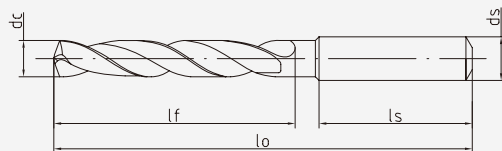
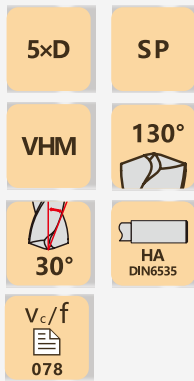
N N

| 订货编号·Order code          |                  |                          |                  |                  | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|--------------------------|------------------|--------------------------|------------------|------------------|------------------------|----------------------|------------------|
| Φ·d <sub>c</sub><br>公差m7 | 槽长l <sub>f</sub> | 柄径d <sub>s</sub><br>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



适合加工材料: N Sutable for materials: N

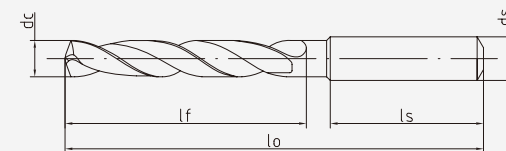
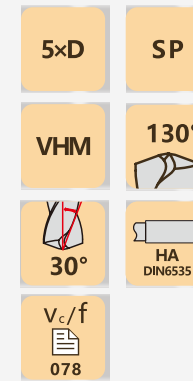
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| 订货编号-Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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



适合加工材料: N Sutable for materials: N

N  

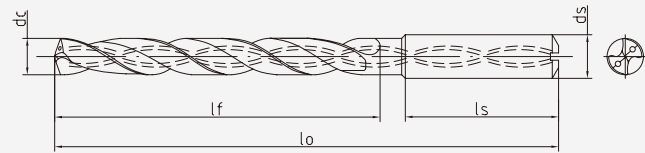
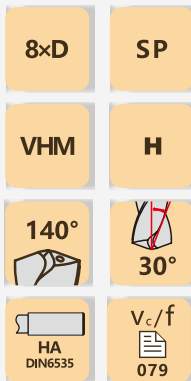
| 订货编号-Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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 Sutable for materials: P、M、K、S

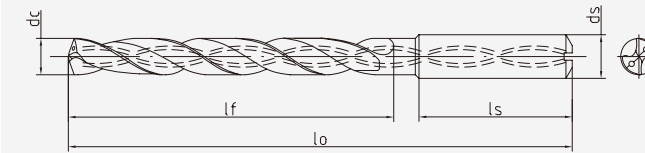
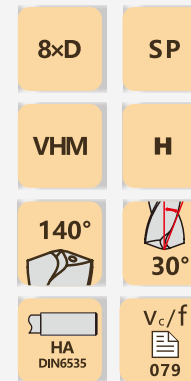


| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                  |  |  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|--|--|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |  |  |
|                 |      |              |      |      |                        | 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                   |                      |                  |  |  |
| 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-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 Sutable for materials: P、M、K、S

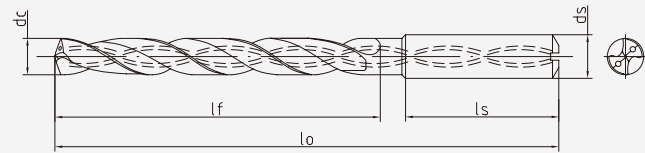
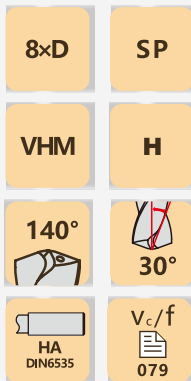


| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                  |  |  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|--|--|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |  |  |
|                 |      |              |      |      |                        | 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                   |                      |                  |  |  |
| 11.3            | 114  | 12           | 45   | 163  | 1130                   |                      | M12x1.75         |  |  |
| 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



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

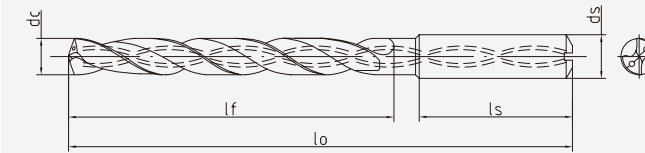
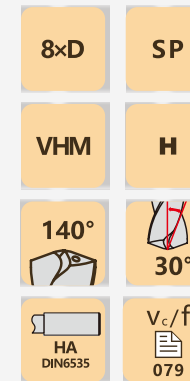


| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|                 |      |              |      |      |                        | 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                   |                      |                  |
| 14.9            | 152  | 16           | 48   | 204  | 1490                   | 5/8-24UNEF           |                  |
| 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



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

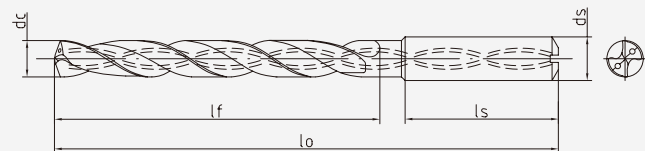
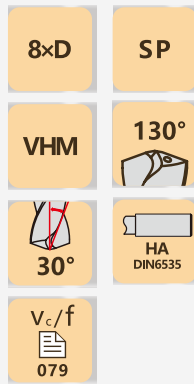


| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|                 |      |              |      |      |                        | 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

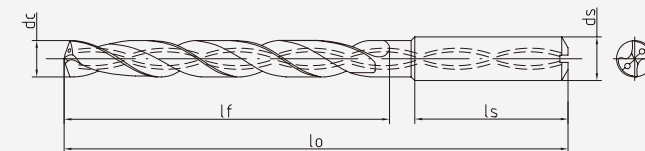
N N

| 订货编号·Order code          |                  |                          |                  |                  | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                     |  |
|--------------------------|------------------|--------------------------|------------------|------------------|------------------------|----------------------|---------------------|--|
| Φ·d <sub>c</sub><br>公差m7 | 槽长l <sub>f</sub> | 柄径d <sub>s</sub><br>公差h6 | 柄长l <sub>s</sub> | 总长l <sub>o</sub> |                        | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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 N

| 订货编号·Order code          |                  |                          |                  |                  | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                     |  |
|--------------------------|------------------|--------------------------|------------------|------------------|------------------------|----------------------|---------------------|--|
| Φ·d <sub>c</sub><br>公差m7 | 槽长l <sub>f</sub> | 柄径d <sub>s</sub><br>公差h6 | 柄长l <sub>s</sub> | 总长l <sub>o</sub> |                        | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

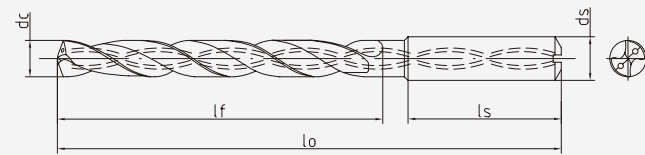
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

8xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Sutable for materials: N

N

| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                     |  |
|-----------------|------|--------------|------|------|------------------------|----------------------|---------------------|--|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

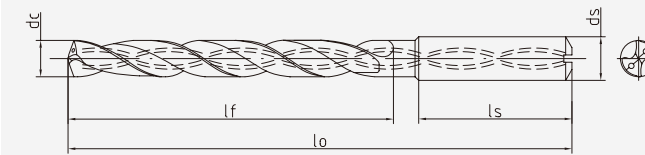
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

8xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Sutable for materials: N

N

| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                     |  |
|-----------------|------|--------------|------|------|------------------------|----------------------|---------------------|--|
| Φ·dc<br>公差m7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

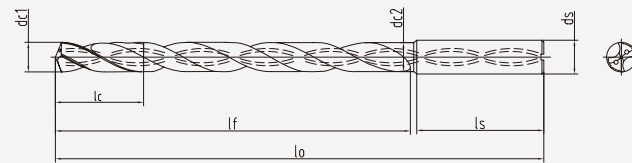
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Special Flute
- Super performance tools

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 |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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

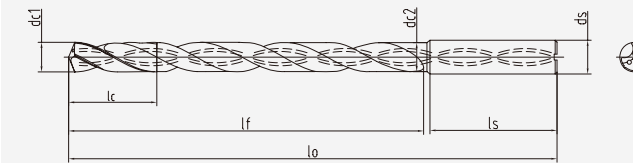
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

12xD SP

VHM 130°

30° HA DIN6535

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



适合加工材料: N Suitable for materials: N

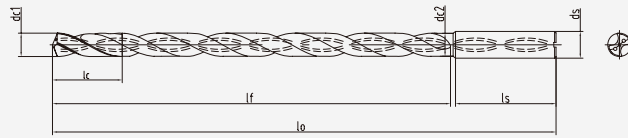
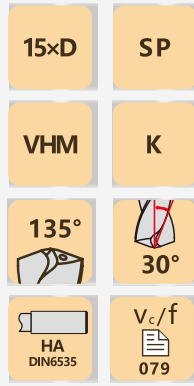


| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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



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

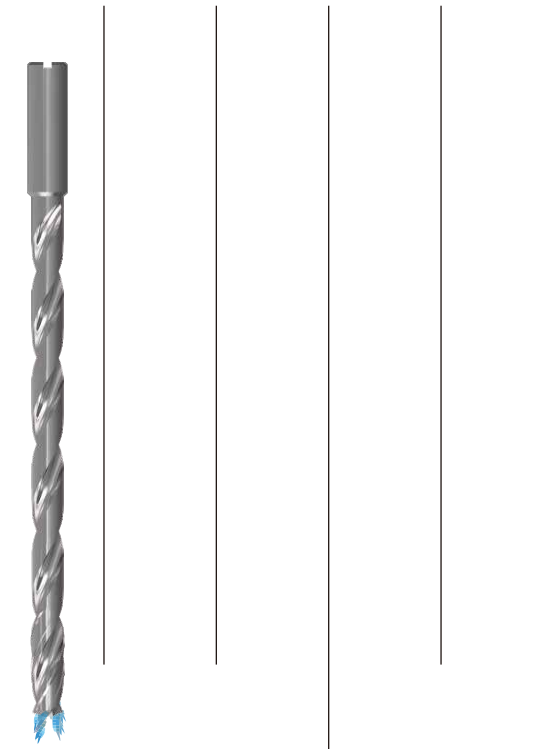
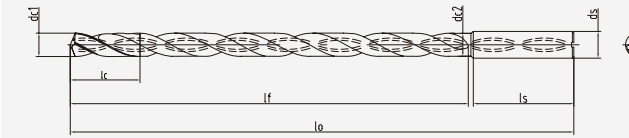
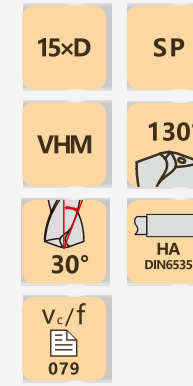


| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo |                        | 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



适合加工材料: N Suitable for materials: N



| 订货编号·Order code |      |              |      |      | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|
| Φ·dc<br>公差h7    | 槽长lf | 柄径ds<br>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

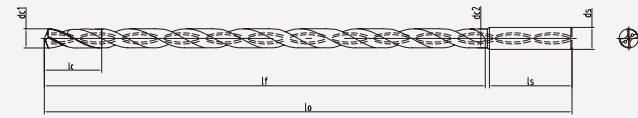
- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 强化刃型
- 特殊槽型
- 超高性能刀具
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Enhanced edge
- Special Flute
- Super performance tools

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<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>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                   |                      |                  |
| 7.5             | 184  | 8            | 36   | 222  | 0750                   | M8×1                 |                  |
| 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

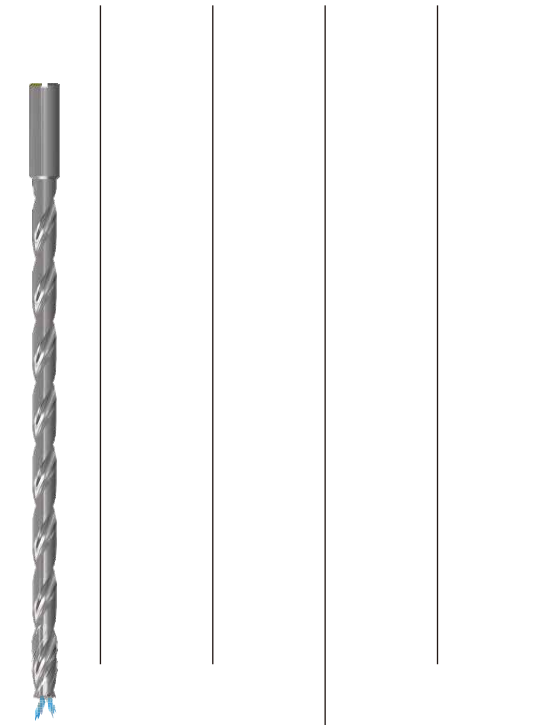
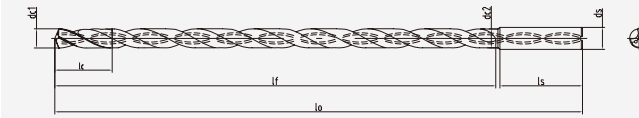
- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

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<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>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                   |                      |                  |
| 7.5             | 184  | 8            | 36   | 222  | 0750                   | M8×1                 |                  |
| 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

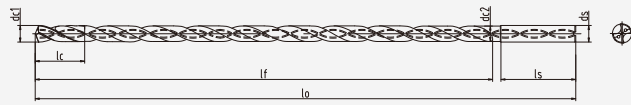
- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 强化刃型
- 特殊槽型
- 超高性能刀具
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Enhanced edge
- Special Flute
- Super performance tools

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<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

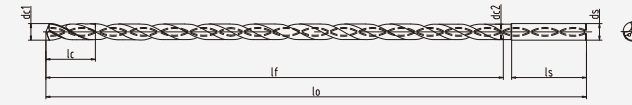
- 尺寸形式 参考DIN6537标准制造
- 横刃修正 AHNO标准
- 定心力强
- 抛光槽型
- Manufacturing standard: DIN 6537
- Chisel edge regrinding: AHNO standard
- Good centering performance
- Polished flute

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



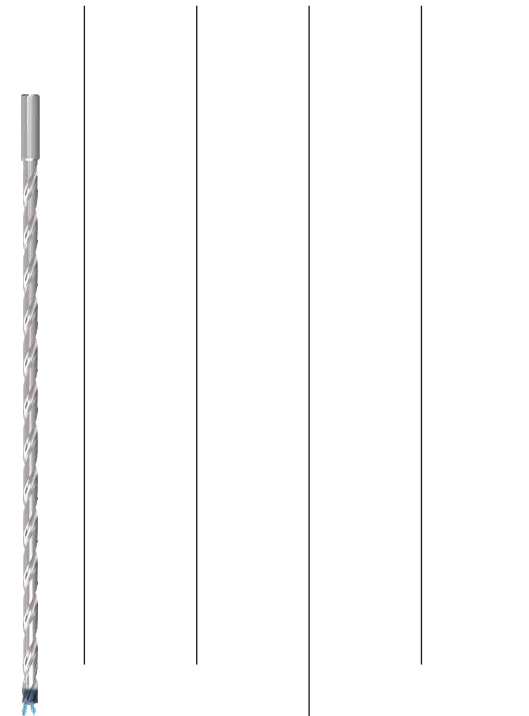
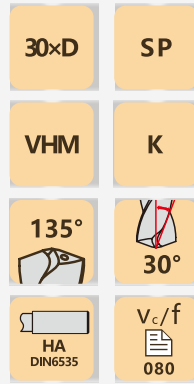
| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                     |
|-----------------|------|--------------|------|------|------------------------|----------------------|---------------------|
| Φ·dc<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 切削丝锥<br>Cutting Tap  | 挤压丝锥<br>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

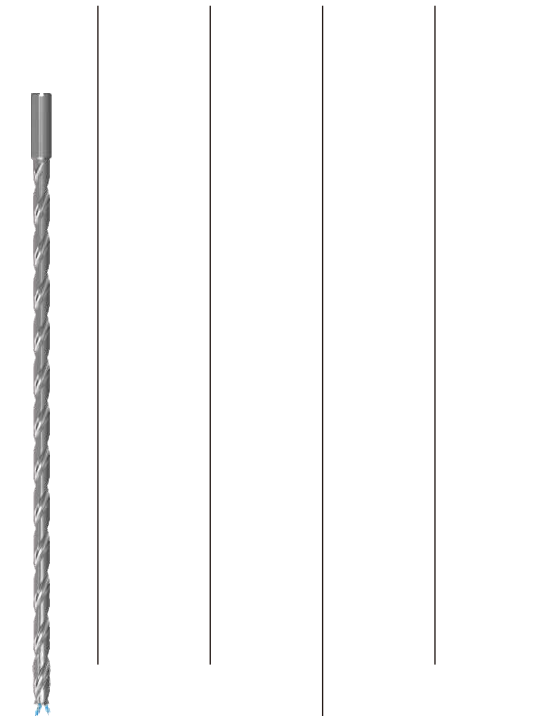
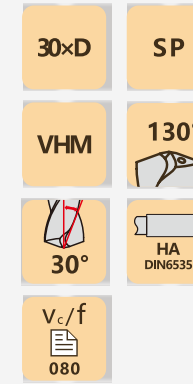


| 订货编号·Order code |      |              |      |      |                        | 丝锥推荐 Recommended Tap |                  |  |
|-----------------|------|--------------|------|------|------------------------|----------------------|------------------|--|
| Φ·dc<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |  |
|                 |      |              |      |      |                        | 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<br>公差h7    | 槽长lf | 柄径ds<br>公差h6 | 柄长ls | 总长lo | 尺寸编号<br>Dimension Code | 丝锥推荐 Recommended Tap |                  |  |
|                 |      |              |      |      |                        | 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 SP-X standard recommend cutting data

| 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<br>(m/min) (mm/r)                     |           | 切削速度Vc 每钻进给f<br>(m/min) (mm/r)                       |           | 切削速度Vc 每钻进给f<br>(m/min) (mm/r)                   |           | 切削速度Vc 每钻进给f<br>(m/min) (mm/r)                |           | 切削速度Vc 每钻进给f<br>(m/min) (mm/r) |           | 切削速度Vc 每钻进给f<br>(m/min) (mm/r)    |           |
| 刃径<br>φDc(mm) | 外冷式 推荐切削条件   |           |  |           |  |           |   |           |                                |           |                                   |           |
| 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<br>φDc(mm) | 内冷式 推荐切削条件   |           |  |           |  |           |   |           |                                |           |                                   |           |
| 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 SP-X standard recommend cutting data

| 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<br>(m/min) (mm/r)                |           | 切削速度Vc 每钻进给f<br>(m/min) (mm/r)                       |           | 切削速度Vc 每钻进给f<br>(m/min) (mm/r) |           | 切削速度Vc 每钻进给f<br>(m/min) (mm/r) |           |
| 刃径<br>φDc(mm) | 外冷式 推荐切削条件                                    |           |  |           |                                |           |                                |           |
| 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<br>φDc(mm) | 内冷式 推荐切削条件                                    |           |  |           |                                |           |                                |           |
| 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 SP-N standard recommend cutting data

故障排除  
Troubleshooting

| 故障<br>Problem                                  | 原因<br>Source   | 措施<br>Solution   |
|--|--|--|
| 切削刃外角磨损严重<br>Heavy wear on the cutting corners | 冷却剂流量不足<br>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。<br>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<br>Workpiece movement                               | 确保工件夹持稳定，并检查机床的稳定性。<br>Stabilise workpiece chucking and check stability of machine tool.   |
|  | 钻头选型不当<br>Wrong drill                                    | 检查钻头类型、钻孔深度、冷却系统，以及工件材料。<br>Check drill type, drilling depth, cooling system, and workpiece material.  |
|  | 切削条件<br>Cutting conditions                               | 降低切削速度，提高进给率。<br>Reduce cutting speed, increase feed.  |
| 横刃断裂<br>Splintering on the chisel edge         | 夹头<br>Clamping chuck                                     | 检查夹持精度。使用液压夹头或高精度装置。<br>Check clamping accuracy, use hydraulic clamping chuck or high-precision chucking system.   |
|  | 切削条件<br>Cutting conditions                               | 降低进给率，提高切削速度。<br>Decrease feed, increase feed.   |
| 积屑瘤<br>Built-up edge                           | 冷却剂流量不足<br>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。<br>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<br>Cutting conditions                               | 切削速度提高20-30%。<br>Increase speed 20~30%   |
| 切削刃断裂<br>Splintering on the cutting edges      | 夹头<br>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。<br>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<br>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。<br>Check cutting values, and possibly increase cutting speed.   |
|  |  | 定期检查积屑瘤情况。<br>Examine regularly for built-up edge.   |
| 热裂纹/梳状裂纹<br>Thermal checking/ comb cracking    | 切削条件<br>Cutting conditions                               | 冷却情况应当与切削条件相适合以减少热冲击。<br>Adapt coolant and cutting conditions to reduce thermal shock.   |

切削液的供给方式

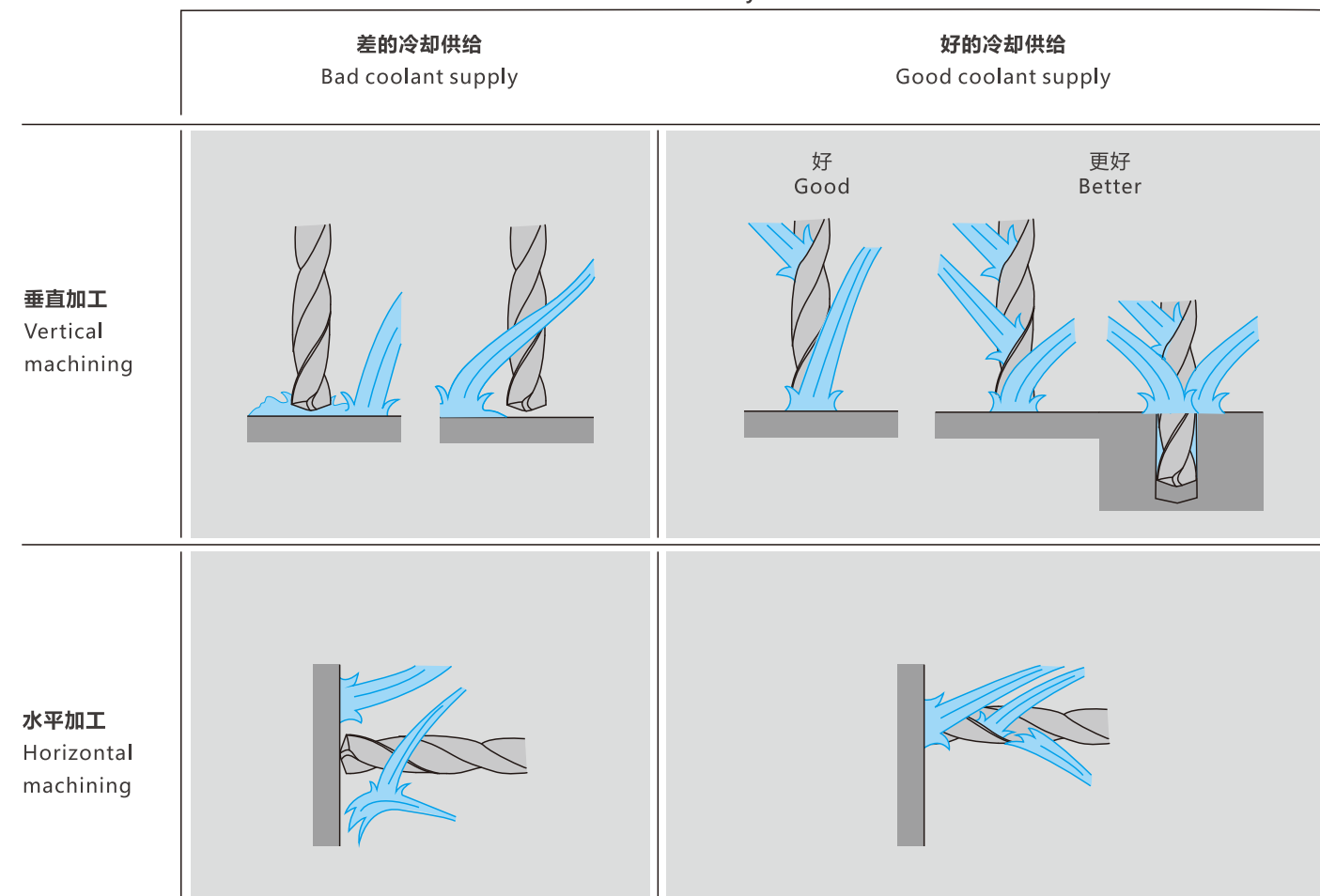
当钻深超过2xD时，内冷总是被推荐的。从5xD钻深起，内冷绝对是必须的。对于外冷，确保不仅有充足的冷却润滑压力，而且外冷供应的正确方式。

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 Non-standard design

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 grinding machine | Coating equipment  
Inspection facility

完善的修磨标准

Professional regrinding standards

细致的工艺

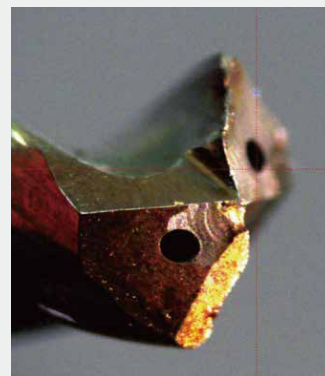
Extremely fine regrinding process

熟练的技工

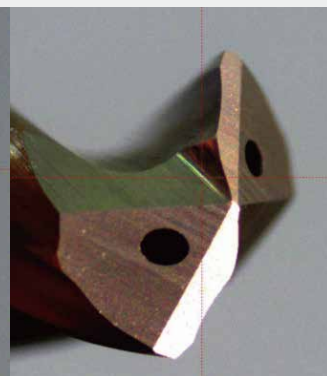
Experienced skill workers

专业修磨  
品质保证

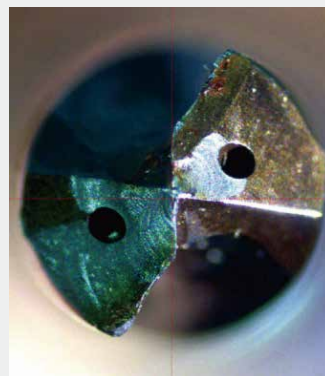
修磨前  
Before regrinding



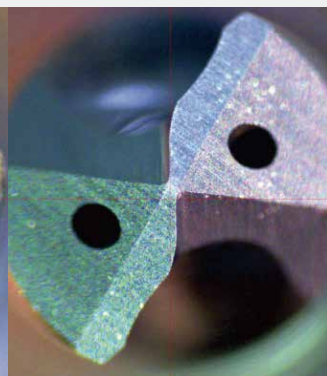
修磨涂层后  
After regrinding & recoating



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

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.

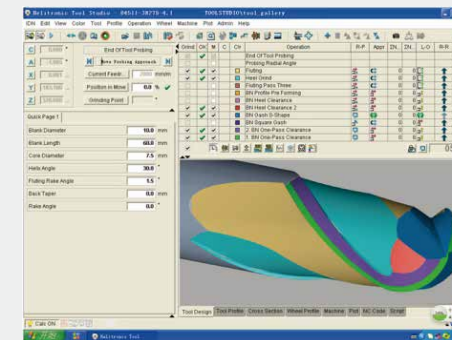


### 报价系统

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.

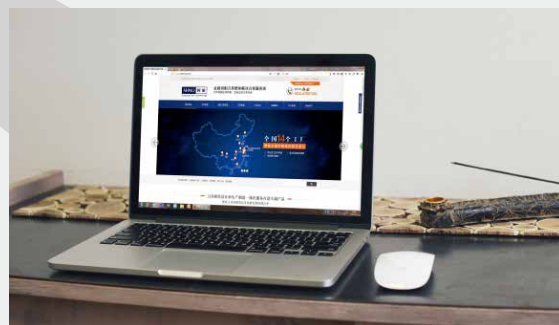


### 刀具工程师培训会

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.



### 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.



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