



诚招全国代理商 承接OEM



东莞市川山甲精密刀具有限公司

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专注孔加工刀具与方案



KS 皇冠钻

东莞市川山甲精密刀具有限公司  
Dongguan chuanshanjia Precision Cutting Tool Co., Ltd.



# 公司简介

## Company profile

东莞市川山甲精密刀具有限公司坐落于“世界工厂”之称的中国广东东莞市，创立于2017年，厂区占地面积5000平方米，是一家集研发、设计、制造、销售和服务于一体的精密数控刀具制造厂商，主要以生产孔加工刀具为主，目前开发产品有U钻（快速钻）、铲钻、皇冠钻（可换钻尖钻头）、带定心U钻、组合钻、VMD大钻头、扩孔钻、固定镗刀、油路刀柄、精密镗刀等，多种系列一千多款不同规格产品远销国内外，并深受客户好评与青睐。

公司拥有专业的研发工程师8人和100余名的生产团队，网点销售人员和售后服务工程师20余人，竭诚为每一个客户解决孔加工难题。产品设计理念与时俱进，技术力量雄厚，生产设备先进，现有三菱、西子、法兰克系统CNC加工中心共50台，数控车床20台，精密磨床4台，瑞士TRIMOS optima光学对刀仪、进口检测仪器等设备，产品坚持全检，让用户放心使用。

用质量铸造品牌，以实力证明价值，诚信经营稳健发展，迈向企业永续经营之路！

Dongguan Chuanshan JIA Precision Tool Co., LTD is located in the "world factory" known as Dongguan, Guangdong, China, founded in 2017, the factory covers an area of 5000 square meters, is a set of RESEARCH and development, design, manufacturing, sales and service in one of the precision CNC tool manufacturers, mainly to produce hole processing tools, At present, the development of products are U drill (fast drill), shovel drill, crown drill (replaceable drill point drill), with centering U drill, combination drill, VMD big drill, reaming drill, fixed boring tool, oil handle, precision boring tool, etc., a variety of series more than one thousand different specifications of products sold at home and abroad, and well received by customers and favor.

The company has 8 professional R & D engineers and more than 100 production team, network sales staff and after-sales service engineers more than 20 people, wholeheartedly for each customer to solve the hole processing problems. Product design concept advancing with The Times, strong technical force, advanced production equipment, the existing Mitsubishi, Xizi, Frank system CNC machining center 50 sets, 20 sets of CNC lathes, precision grinding machine 4 sets, Switzerland TRIMOS Optima optical knife instrument, imported testing equipment and other equipment, products adhere to the full inspection, let users rest assured to use.

Casting brand with quality, to prove the value of strength, good faith management steady development, towards the road of enterprise sustainable management!

## 皇冠钻的特征与优势

The Characteristics and Advantages of Crown Diamonds

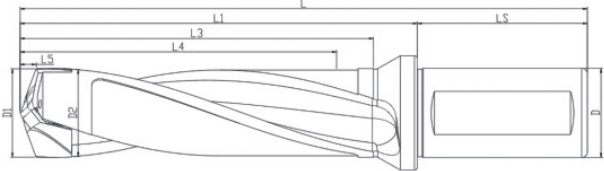
### 皇冠钻特征 Crown Diamond Features

- KS皇冠钻模块钻头，采用可换钻尖结构，可轻松更换钻尖。
- 该产品刀座非常坚固，定位面不容易磨损，可延长硬质合金钻尖的更换次数。
- 5个定位面同时贴合，钻尖重复定位准确，大大提高钻尖的使用寿命和提高进给率。
- 性能非常可靠，效率比U钻提高3-5倍，孔径公差可达 $\pm 0.03\text{mm}$ ，标准型产品的钻孔深度可达10倍径，钻尖直径范围12.5-40mm，多种钻尖材质和钻尖类型可供选择。
- 刀片可修磨，更节约使用成本。
- 非标规格可提供定制服务。
- The KS Crown Drill module drill bit adopts a replaceable drill tip structure, making it easy to replace the drill tip.
- This product has a very sturdy tool holder, and the positioning surface is not easily worn, which can extend the replacement frequency of hard alloy drill tips.
- The five positioning surfaces are fitted at the same time, and the drilling tip is positioned accurately repeatedly, which greatly improves the service life of the drilling tip and the feed rate.
- The performance is very reliable, with an efficiency improvement of 3-5 times compared to U-drills. The aperture tolerance can reach  $\pm 0.03\text{mm}$ , and the drilling depth of standard products can reach 10 times the diameter. The drill tip diameter range is 12.5-40mm, and various drill tip materials and types are available for selection.
- The blade can be repaired and ground, which saves more usage costs.
- Non-standard specifications can be customized service.

### 皇冠钻钻杆型号编码规则 Code Rules for Crown Drill Pipe Model

| KS1250/1299-3D-C16        |                                    |                                     |                      |
|---------------------------|------------------------------------|-------------------------------------|----------------------|
| 钻杆系列<br>Drill pipe series | 钻尖直径范围<br>Drill tip diameter range | 有效加工深度<br>Effective machining depth | 柄径<br>Shank diameter |
| KS系列钻杆                    | 12.5mm~12.99mm                     | 3D=ø×3                              | C16-ø16柄             |
|                           |                                    | 5D=ø×5                              | C20-ø20柄             |
|                           |                                    | 7D=ø×7                              | C25-ø25柄             |
|                           |                                    | 8.5D=ø×8.5                          | C32-ø32柄             |
|                           |                                    | 10D=ø×10                            | C40-ø40柄             |

- 所有钻杆应使用匹配型号的钻尖
- 钻杆配有中心锁紧螺丝和扳手
- 钻尖需单独订购
- All drill pipes should use matching drill tips
- The drill pipe is equipped with a central locking screw and wrench
- Drill tips need to be ordered separately



KS皇冠钻钻杆 3D

| 型号<br>Code No      | 钻尖直径范围<br>Drill tip diameter range |       | 尺寸 Size |       |      |    |     |    |    | 刀座型号<br>Knife holder model | 中心锁紧螺丝<br>Center locking screw | 扳手<br>Wrench |
|--------------------|------------------------------------|-------|---------|-------|------|----|-----|----|----|----------------------------|--------------------------------|--------------|
|                    |                                    |       | L       | L1    | L3   | L4 | L5  | LS | D  |                            |                                |              |
| KS1250/1299-3D-C16 | 12.50                              | 12.99 | 112.0   | 64.0  | 50.0 | 38 | 2.0 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*156       |
| KS1300/1349-3D-C16 | 13.00                              | 13.49 | 112.0   | 64.0  | 50.0 | 39 | 2.1 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*156       |
| KS1350/1350-3D-C16 | 13.50                              | 13.50 | 111.5   | 63.5  | 49.5 | 41 | 2.1 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*156       |
| KS1350/1399-3D-C16 | 13.50                              | 13.99 | 111.5   | 63.5  | 49.5 | 42 | 2.2 | 48 | 16 | B                          | M3.0/M2.5*14                   | T6*156       |
| KS1400/1449-3D-C16 | 14.00                              | 14.49 | 112.0   | 64.0  | 50.5 | 42 | 2.2 | 48 | 16 | B                          | M3.0/M2.5*14                   | T6*156       |
| KS1450/1450-3D-C20 | 14.50                              | 14.50 | 118.5   | 68.5  | 54.0 | 44 | 2.3 | 50 | 20 | B                          | M3.0/M2.5*14                   | T6*156       |
| KS1450/1499-3D-C20 | 14.50                              | 14.99 | 118.5   | 68.5  | 54.0 | 45 | 2.3 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*156       |
| KS1500/1549-3D-C20 | 15.00                              | 15.49 | 119.5   | 69.5  | 56.0 | 45 | 2.4 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*156       |
| KS1550/1599-3D-C20 | 15.50                              | 15.99 | 121.0   | 71.0  | 57.5 | 47 | 2.5 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*156       |
| KS1600/1649-3D-C20 | 16.00                              | 16.49 | 121.0   | 71.0  | 58.0 | 48 | 2.5 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*185      |
| KS1650/1699-3D-C20 | 16.50                              | 16.99 | 124.0   | 74.0  | 61.0 | 50 | 2.6 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*185      |
| KS1700/1749-3D-C20 | 17.00                              | 17.49 | 124.5   | 74.5  | 61.5 | 51 | 2.7 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*185      |
| KS1750/1799-3D-C20 | 17.50                              | 17.99 | 126.0   | 76.0  | 63.5 | 53 | 2.8 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*185      |
| KS1800/1800-3D-C20 | 18.00                              | 18.00 | 129.5   | 79.5  | 67.5 | 54 | 2.9 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*185      |
| KS1800/1849-3D-C20 | 18.00                              | 18.49 | 135.9   | 79.9  | 65.5 | 56 | 2.9 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*185      |
| KS1850/1899-3D-C25 | 18.50                              | 18.99 | 138.0   | 82.0  | 68.0 | 56 | 2.9 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*185      |
| KS1900/1949-3D-C25 | 19.00                              | 19.49 | 139.8   | 83.8  | 70.0 | 57 | 3.0 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*185      |
| KS1950/1999-3D-C25 | 19.50                              | 19.99 | 141.0   | 85.0  | 71.5 | 59 | 3.1 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*185      |
| KS2000/2049-3D-C25 | 20.00                              | 20.49 | 155.7   | 99.7  | 86.0 | 60 | 3.2 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2050/2099-3D-C25 | 20.50                              | 20.99 | 152.0   | 96.0  | 82.5 | 62 | 3.3 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2100/2149-3D-C25 | 21.00                              | 21.49 | 148.7   | 92.7  | 79.5 | 63 | 3.3 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2150/2199-3D-C25 | 21.50                              | 21.99 | 155.0   | 99.0  | 86.0 | 65 | 3.4 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2200/2200-3D-C25 | 22.00                              | 22.00 | 163.0   | 107.0 | 93.5 | 66 | 3.5 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2200/2249-3D-C25 | 22.00                              | 22.49 | 163.5   | 107.5 | 94.0 | 68 | 3.5 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2250/2299-3D-C25 | 22.50                              | 22.99 | 161.0   | 105.0 | 92.0 | 68 | 3.6 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2300/2349-3D-C25 | 23.00                              | 23.49 | 156.7   | 100.7 | 88.0 | 69 | 3.7 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2350/2399-3D-C25 | 23.50                              | 23.99 | 164.0   | 108.0 | 95.5 | 71 | 3.7 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*210      |

KS皇冠钻钻杆 3D

| 型号<br>Code No      | 钻尖直径范围<br>Drill tip diameter range |       | 尺寸 Size |       |       |     |     |    |    | 刀座型号<br>Knife holder model | 中心锁紧螺丝<br>Center locking screw | 扳手<br>Wrench |
|--------------------|------------------------------------|-------|---------|-------|-------|-----|-----|----|----|----------------------------|--------------------------------|--------------|
|                    |                                    |       | L       | L1    | L3    | L4  | L5  | LS | D  |                            |                                |              |
| KS2400/2400-3D-C25 | 24.00                              | 24.00 | 160.7   | 104.7 | 92.5  | 72  | 3.8 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*210      |
| KS2400/2449-3D-C32 | 24.00                              | 24.49 | 176.5   | 116.5 | 99.5  | 74  | 3.8 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2450/2499-3D-C32 | 24.50                              | 24.99 | 173.0   | 113.0 | 96.0  | 74  | 3.9 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2500/2549-3D-C32 | 25.00                              | 25.49 | 170.8   | 110.8 | 94.0  | 75  | 3.8 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2550/2599-3D-C32 | 25.50                              | 25.99 | 176.0   | 116.0 | 100.0 | 77  | 3.9 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2600/2600-3D-C32 | 26.00                              | 26.00 | 179.4   | 119.4 | 102.0 | 78  | 4.0 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2600/2649-3D-C32 | 26.00                              | 26.49 | 179.8   | 119.8 | 102.5 | 80  | 4.0 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2650/2699-3D-C32 | 26.50                              | 26.99 | 176.3   | 116.3 | 99.5  | 80  | 4.1 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2700/2749-3D-C32 | 27.00                              | 27.49 | 177.8   | 117.8 | 101.0 | 81  | 4.2 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2750/2799-3D-C32 | 27.50                              | 27.99 | 184.0   | 124.0 | 108.0 | 83  | 4.2 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2800/2800-3D-C32 | 28.00                              | 28.00 | 181.4   | 121.4 | 105.5 | 84  | 4.3 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*240      |
| KS2800/2849-3D-C32 | 28.00                              | 28.49 | 181.8   | 121.8 | 106.0 | 86  | 4.3 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*265      |
| KS2850/2899-3D-C32 | 28.50                              | 28.99 | 190.0   | 130.0 | 113.5 | 86  | 4.4 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*265      |
| KS2900/2949-3D-C32 | 29.00                              | 29.49 | 186.8   | 126.8 | 110.5 | 87  | 4.5 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*265      |
| KS2950/2999-3D-C32 | 29.50                              | 29.99 | 193.0   | 133.0 | 117.0 | 89  | 4.5 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*265      |
| KS3000/3000-3D-C32 | 30.00                              | 30.00 | 189.5   | 129.5 | 113.0 | 90  | 4.6 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*265      |
| KS3000/3049-3D-C32 | 30.00                              | 30.49 | 190.0   | 130.0 | 113.0 | 91  | 4.6 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*265      |
| KS3050/3099-3D-C32 | 30.50                              | 30.99 | 203.0   | 143.0 | 126.0 | 91  | 4.7 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*265      |
| KS3100/3149-3D-C32 | 31.00                              | 31.49 | 197.0   | 137.0 | 120.5 | 93  | 4.8 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*265      |
| KS3150/3199-3D-C32 | 31.50                              | 31.99 | 202.0   | 142.0 | 126.0 | 95  | 4.8 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*265      |
| KS3200/3200-3D-C32 | 32.00                              | 32.00 | 200.0   | 140.0 | 124.5 | 96  | 4.9 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*265      |
| KS3200/3299-3D-C40 | 32.00                              | 32.99 | 229.0   | 159.0 | 137.5 | 99  | 4.9 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*265      |
| KS3300/3399-3D-C40 | 33.00                              | 33.99 | 217.3   | 147.3 | 126.5 | 99  | 5.1 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*265      |
| KS3400/3499-3D-C40 | 34.00                              | 34.99 | 225.0   | 155.0 | 135.0 | 102 | 5.2 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*265      |
| KS3500/3599-3D-C40 | 35.00                              | 35.99 | 235.0   | 165.0 | 145.0 | 105 | 5.4 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*265      |
| KS3600/3600-3D-C40 | 36.00                              | 36.00 | 233.0   | 163.0 | 143.0 | 108 | 5.5 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*265      |
| KS3600/3699-3D-C40 | 36.00                              | 36.99 | 246.0   | 176.0 | 155.5 | 111 | 5.5 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*265      |
| KS3700/3799-3D-C40 | 37.00                              | 37.99 | 244.0   | 174.0 | 153.5 | 111 | 5.7 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*265      |
| KS3800/3899-3D-C40 | 38.00                              | 38.99 | 242.0   | 172.0 | 151.5 | 114 | 5.8 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*265      |
| KS3900/4000-3D-C40 | 39.00                              | 40.00 | 252.0   | 182.0 | 161.5 | 117 | 6.0 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*265      |
| KS4000/4000-3D-C40 | 40.00                              | 40.00 | 250.0   | 180.0 | 159.5 | 120 | 6.2 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*265      |



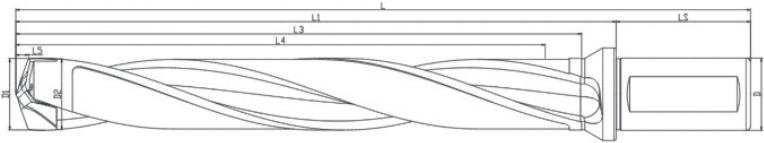
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04 钻杆 | Drill Pipe



钻杆 | Drill Pipe 05

- 所有钻杆应使用匹配型号的钻尖
- 钻杆配有中心锁紧螺丝和扳手
- 钻尖需单独订购
- All drill pipes should use matching drill tips
- The drill pipe is equipped with a central locking screw and wrench
- Drill tips need to be ordered separately



KS皇冠钻钻杆 7D

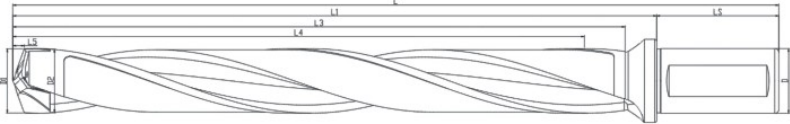
| 型号<br>Code No      | 钻尖直径范围<br>Drill tip diameter range |       | 尺寸 Size |       |       |     |     |    |    | 刀座型号<br>Knife holder model | 中心锁紧螺丝<br>Center locking screw | 扳手<br>Wrench |
|--------------------|------------------------------------|-------|---------|-------|-------|-----|-----|----|----|----------------------------|--------------------------------|--------------|
|                    |                                    |       | L       | L1    | L3    | L4  | L5  | LS | D  |                            |                                |              |
| KS1250/1299-7D-C16 | 12.50                              | 12.99 | 162.0   | 114.0 | 100.0 | 88  | 2.0 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*188       |
| KS1300/1349-7D-C16 | 13.00                              | 13.49 | 164.0   | 116.0 | 102.0 | 91  | 2.1 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*188       |
| KS1350/1350-7D-C16 | 13.50                              | 13.50 | 165.5   | 117.5 | 102.5 | 95  | 2.1 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*188       |
| KS1350/1399-7D-C16 | 13.50                              | 13.99 | 165.5   | 117.5 | 103.5 | 96  | 2.2 | 48 | 16 | B                          | M3.0/M2.5*14                   | T6*188       |
| KS1400/1449-7D-C16 | 14.00                              | 14.49 | 168.0   | 120.0 | 106.5 | 98  | 2.2 | 48 | 16 | B                          | M3.0/M2.5*14                   | T6*188       |
| KS1450/1450-7D-C20 | 14.50                              | 14.50 | 176.5   | 126.5 | 112.0 | 102 | 2.3 | 50 | 20 | B                          | M3.0/M2.5*14                   | T6*188       |
| KS1450/1499-7D-C20 | 14.50                              | 14.99 | 176.5   | 126.5 | 112.0 | 103 | 2.3 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*188       |
| KS1500/1549-7D-C20 | 15.00                              | 15.49 | 179.5   | 129.5 | 116.0 | 105 | 2.4 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*188       |
| KS1550/1599-7D-C20 | 15.50                              | 15.99 | 183.0   | 133.0 | 119.5 | 109 | 2.5 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*188       |
| KS1600/1649-7D-C20 | 16.00                              | 16.49 | 185.0   | 135.0 | 122.0 | 112 | 2.5 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1650/1699-7D-C20 | 16.50                              | 16.99 | 190.0   | 140.0 | 127.0 | 116 | 2.6 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1700/1749-7D-C20 | 17.00                              | 17.49 | 192.5   | 142.5 | 129.5 | 119 | 2.7 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1750/1799-7D-C20 | 17.50                              | 17.99 | 196.0   | 146.0 | 133.5 | 123 | 2.8 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1800/1800-7D-C20 | 18.00                              | 18.00 | 201.5   | 151.5 | 139.5 | 126 | 2.9 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1800/1849-7D-C20 | 18.00                              | 18.49 | 207.9   | 151.9 | 137.5 | 128 | 2.9 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1850/1899-7D-C25 | 18.50                              | 18.99 | 212.0   | 156.0 | 142.0 | 130 | 2.9 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1900/1949-7D-C25 | 19.00                              | 19.49 | 215.8   | 159.8 | 146.0 | 133 | 3.0 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1950/1999-7D-C25 | 19.50                              | 19.99 | 219.0   | 163.0 | 149.5 | 137 | 3.1 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*225      |
| KS2000/2049-7D-C25 | 20.00                              | 20.49 | 235.7   | 179.7 | 166.0 | 140 | 3.2 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2050/2099-7D-C25 | 20.50                              | 20.99 | 234.0   | 178.0 | 164.5 | 144 | 3.3 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2100/2149-7D-C25 | 21.00                              | 21.49 | 232.7   | 176.7 | 163.5 | 147 | 3.3 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2150/2199-7D-C25 | 21.50                              | 21.99 | 241.0   | 185.0 | 172.0 | 151 | 3.4 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2200/2200-7D-C25 | 22.00                              | 22.00 | 251.0   | 195.0 | 181.5 | 154 | 3.5 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2200/2249-7D-C25 | 22.00                              | 22.49 | 251.5   | 195.5 | 182.0 | 156 | 3.5 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2250/2299-7D-C25 | 22.50                              | 22.99 | 251.0   | 195.0 | 182.0 | 158 | 3.6 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2300/2349-7D-C25 | 23.00                              | 23.49 | 248.7   | 192.7 | 180.0 | 161 | 3.7 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2350/2399-7D-C25 | 23.50                              | 23.99 | 258.0   | 202.0 | 189.5 | 165 | 3.7 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*260      |

注意：钻杆超过5D时，需进行预定心操作！      Attention: When the drill pipe exceeds 5D, pre centering operation is required!

KS皇冠钻钻杆 7D

| 型号<br>Code No      | 钻尖直径范围<br>Drill tip diameter range |       | 尺寸 Size |       |       |     |     |    |    | 刀座型号<br>Knife holder model | 中心锁紧螺丝<br>Center locking screw | 扳手<br>Wrench |
|--------------------|------------------------------------|-------|---------|-------|-------|-----|-----|----|----|----------------------------|--------------------------------|--------------|
|                    |                                    |       | L       | L1    | L3    | L4  | L5  | LS | D  |                            |                                |              |
| KS2400/2400-7D-C25 | 24.00                              | 24.00 | 256.7   | 200.7 | 188.5 | 168 | 3.8 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2400/2449-7D-C32 | 24.00                              | 24.49 | 272.5   | 212.5 | 195.5 | 170 | 3.8 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2450/2499-7D-C32 | 24.50                              | 24.99 | 271.0   | 211.0 | 194.0 | 172 | 3.9 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2500/2549-7D-C32 | 25.00                              | 25.49 | 270.7   | 210.7 | 194.0 | 175 | 3.8 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2550/2599-7D-C32 | 25.50                              | 25.99 | 278.0   | 218.0 | 202.0 | 179 | 3.9 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2600/2600-7D-C32 | 26.00                              | 26.00 | 283.4   | 223.4 | 206.0 | 182 | 4.0 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2600/2649-7D-C32 | 26.00                              | 26.49 | 283.8   | 223.8 | 206.5 | 184 | 4.0 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2650/2699-7D-C32 | 26.50                              | 26.99 | 282.3   | 222.3 | 205.5 | 186 | 4.1 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2700/2749-7D-C32 | 27.00                              | 27.49 | 285.8   | 225.8 | 209.0 | 189 | 4.2 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2750/2799-7D-C32 | 27.50                              | 27.99 | 294.0   | 234.0 | 218.0 | 193 | 4.2 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2800/2800-7D-C32 | 28.00                              | 28.00 | 293.4   | 233.4 | 217.5 | 196 | 4.3 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*295      |
| KS2800/2849-7D-C32 | 28.00                              | 28.49 | 293.8   | 233.8 | 218.0 | 198 | 4.3 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS2850/2899-7D-C32 | 28.50                              | 28.99 | 304.0   | 244.0 | 227.5 | 200 | 4.4 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS2900/2949-7D-C32 | 29.00                              | 29.49 | 302.8   | 242.8 | 226.5 | 203 | 4.5 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS2950/2999-7D-C32 | 29.50                              | 29.99 | 311.0   | 251.0 | 235.0 | 207 | 4.5 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3000/3000-7D-C32 | 30.00                              | 30.00 | 309.5   | 249.5 | 233.0 | 210 | 4.6 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3000/3049-7D-C32 | 30.00                              | 30.49 | 310.0   | 250.0 | 233.0 | 211 | 4.6 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3050/3099-7D-C32 | 30.50                              | 30.99 | 325.0   | 265.0 | 248.0 | 213 | 4.7 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3100/3149-7D-C32 | 31.00                              | 31.49 | 321.0   | 261.0 | 244.5 | 217 | 4.8 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3150/3199-7D-C32 | 31.50                              | 31.99 | 328.0   | 268.0 | 252.0 | 221 | 4.8 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3200/3200-7D-C32 | 32.00                              | 32.00 | 328.0   | 268.0 | 252.5 | 224 | 4.9 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3200/3299-7D-C40 | 32.00                              | 32.99 | 357.0   | 287.0 | 265.5 | 227 | 4.9 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3300/3399-7D-C40 | 33.00                              | 33.99 | 349.3   | 279.3 | 258.5 | 231 | 5.1 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3400/3499-7D-C40 | 34.00                              | 34.99 | 361.0   | 291.0 | 271.0 | 238 | 5.2 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3500/3599-7D-C40 | 35.00                              | 35.99 | 375.0   | 305.0 | 285.0 | 245 | 5.4 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3600/3600-7D-C40 | 36.00                              | 36.00 | 377.0   | 307.0 | 287.0 | 252 | 5.5 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3600/3699-7D-C40 | 36.00                              | 36.99 | 390.0   | 320.0 | 299.5 | 255 | 5.5 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*439      |
| KS3700/3799-7D-C40 | 37.00                              | 37.99 | 392.0   | 322.0 | 301.5 | 259 | 5.7 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*439      |
| KS3800/3899-7D-C40 | 38.00                              | 38.99 | 394.0   | 324.0 | 303.5 | 266 | 5.8 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*439      |
| KS3900/4000-7D-C40 | 39.00                              | 40.00 | 408.0   | 338.0 | 317.5 | 273 | 6.0 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*439      |
| KS4000/4000-7D-C40 | 40.00                              | 40.00 | 410.0   | 340.0 | 319.5 | 280 | 6.2 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*439      |

- 所有钻杆应使用匹配型号的钻尖
- 钻杆配有中心锁紧螺丝和扳手
- 钻尖需单独订购
- All drill pipes should use matching drill tips
- The drill pipe is equipped with a central locking screw and wrench
- Drill tips need to be ordered separately



KS皇冠钻钻杆 8.5D

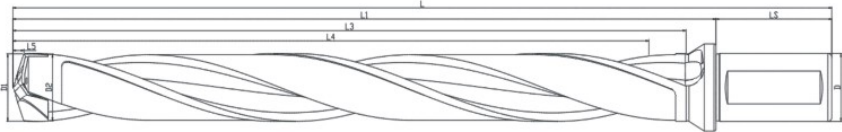
| 型号<br>Code No        | 钻尖直径范围<br>Drill tip diameter range |       | 尺寸 Size |       |       |     |     |    |    | 刀座型号<br>Knife holder model | 中心锁紧螺丝<br>Center locking screw | 扳手<br>Wrench |
|----------------------|------------------------------------|-------|---------|-------|-------|-----|-----|----|----|----------------------------|--------------------------------|--------------|
|                      |                                    |       | L       | L1    | L3    | L4  | L5  | LS | D  |                            |                                |              |
| KS1250/1299-8.5D-C16 | 12.50                              | 12.99 | 180.7   | 132.7 | 118.7 | 107 | 2.0 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*188       |
| KS1300/1349-8.5D-C16 | 13.00                              | 13.49 | 183.5   | 135.5 | 121.5 | 111 | 2.1 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*188       |
| KS1350/1350-8.5D-C16 | 13.50                              | 13.50 | 185.7   | 137.7 | 122.7 | 115 | 2.1 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*188       |
| KS1350/1399-8.5D-C16 | 13.50                              | 13.99 | 185.7   | 137.7 | 123.7 | 116 | 2.2 | 48 | 16 | B                          | M3.0/M2.5*14                   | T6*188       |
| KS1400/1449-8.5D-C16 | 14.00                              | 14.49 | 189.0   | 141.0 | 127.5 | 119 | 2.2 | 48 | 16 | B                          | M3.0/M2.5*14                   | T6*188       |
| KS1450/1450-8.5D-C20 | 14.50                              | 14.50 | 198.0   | 148.0 | 134.0 | 124 | 2.3 | 50 | 20 | B                          | M3.0/M2.5*14                   | T6*230       |
| KS1450/1499-8.5D-C20 | 14.50                              | 14.99 | 198.0   | 148.0 | 134.0 | 125 | 2.3 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*230       |
| KS1500/1549-8.5D-C20 | 15.00                              | 15.49 | 202.0   | 152.0 | 138.5 | 128 | 2.4 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*230       |
| KS1550/1599-8.5D-C20 | 15.50                              | 15.99 | 206.0   | 156.0 | 142.7 | 132 | 2.5 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*230       |
| KS1600/1649-8.5D-C20 | 16.00                              | 16.49 | 209.0   | 159.0 | 146.0 | 136 | 2.5 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1650/1699-8.5D-C20 | 16.50                              | 16.99 | 214.7   | 164.7 | 152.0 | 141 | 2.6 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1700/1749-8.5D-C20 | 17.00                              | 17.49 | 218.0   | 168.0 | 155.0 | 145 | 2.7 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1750/1799-8.5D-C20 | 17.50                              | 17.99 | 222.0   | 172.0 | 159.5 | 149 | 2.8 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1800/1800-8.5D-C20 | 18.00                              | 18.00 | 228.5   | 178.5 | 166.5 | 153 | 2.9 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*225      |
| KS1800/1849-8.5D-C20 | 18.00                              | 18.49 | 234.9   | 178.9 | 164.5 | 155 | 2.9 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1850/1899-8.5D-C25 | 18.50                              | 18.99 | 240.0   | 184.0 | 170.0 | 158 | 2.9 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1900/1949-8.5D-C25 | 19.00                              | 19.49 | 244.0   | 188.0 | 174.5 | 162 | 3.0 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1950/1999-8.5D-C25 | 19.50                              | 19.99 | 248.0   | 192.0 | 178.5 | 166 | 3.1 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*297      |
| KS2000/2049-8.5D-C25 | 20.00                              | 20.49 | 265.7   | 209.7 | 196.0 | 170 | 3.2 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2050/2099-8.5D-C25 | 20.50                              | 20.99 | 264.5   | 208.5 | 195.0 | 175 | 3.3 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2100/2149-8.5D-C25 | 21.00                              | 21.49 | 264.0   | 208.0 | 195.0 | 179 | 3.3 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2150/2199-8.5D-C25 | 21.50                              | 21.99 | 273.0   | 217.0 | 204.0 | 183 | 3.4 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*260      |
| KS2200/2200-8.5D-C25 | 22.00                              | 22.00 | 284.0   | 228.0 | 214.5 | 187 | 3.5 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2200/2249-8.5D-C25 | 22.00                              | 22.49 | 284.5   | 228.5 | 215.0 | 189 | 3.5 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2250/2299-8.5D-C25 | 22.50                              | 22.99 | 285.0   | 229.0 | 216.0 | 192 | 3.6 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2300/2349-8.5D-C25 | 23.00                              | 23.49 | 283.0   | 227.0 | 214.5 | 196 | 3.7 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2350/2399-8.5D-C25 | 23.50                              | 23.99 | 293.0   | 237.0 | 224.5 | 200 | 3.7 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |

注意: 钻杆超过5D时, 需进行预定心操作!      Attention: When the drill pipe exceeds 5D, pre centering operation is required!

KS皇冠钻钻杆 8.5D

| 型号<br>Code No        | 钻尖直径范围<br>Drill tip diameter range |       | 尺寸 Size |       |       |     |     |    |    | 刀座型号<br>Knife holder model | 中心锁紧螺丝<br>Center locking screw | 扳手<br>Wrench |
|----------------------|------------------------------------|-------|---------|-------|-------|-----|-----|----|----|----------------------------|--------------------------------|--------------|
|                      |                                    |       | L       | L1    | L3    | L4  | L5  | LS | D  |                            |                                |              |
| KS2400/2400-8.5D-C25 | 24.00                              | 24.00 | 292.7   | 236.7 | 224.5 | 204 | 3.8 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2400/2449-8.5D-C32 | 24.00                              | 24.49 | 308.5   | 248.5 | 231.5 | 206 | 3.8 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2450/2499-8.5D-C32 | 24.50                              | 24.99 | 307.5   | 247.5 | 230.5 | 209 | 3.9 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2500/2549-8.5D-C32 | 25.00                              | 25.49 | 308.0   | 248.0 | 231.5 | 213 | 3.8 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2550/2599-8.5D-C32 | 25.50                              | 25.99 | 316.0   | 256.0 | 240.0 | 217 | 3.9 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2600/2600-8.5D-C32 | 26.00                              | 26.00 | 322.4   | 262.4 | 246.0 | 221 | 4.0 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2600/2649-8.5D-C32 | 26.00                              | 26.49 | 322.8   | 262.8 | 245.5 | 223 | 4.0 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2650/2699-8.5D-C32 | 26.50                              | 26.99 | 322.0   | 262.0 | 245.0 | 226 | 4.1 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2700/2749-8.5D-C32 | 27.00                              | 27.49 | 326.0   | 266.0 | 249.5 | 230 | 4.2 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2750/2799-8.5D-C32 | 27.50                              | 27.99 | 335.0   | 275.0 | 259.0 | 234 | 4.2 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2800/2800-8.5D-C32 | 28.00                              | 28.00 | 335.4   | 275.4 | 259.5 | 238 | 4.3 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2800/2849-8.5D-C32 | 28.00                              | 28.49 | 335.8   | 375.8 | 260.0 | 240 | 4.3 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS2850/2899-8.5D-C32 | 28.50                              | 28.99 | 346.5   | 286.5 | 270.0 | 243 | 4.4 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS2900/2949-8.5D-C32 | 29.00                              | 29.49 | 346.3   | 286.3 | 270.0 | 247 | 4.5 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS2950/2999-8.5D-C32 | 29.50                              | 29.99 | 355.0   | 295.0 | 279.0 | 251 | 4.5 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3000/3000-8.5D-C32 | 30.00                              | 30.00 | 354.5   | 294.5 | 278.0 | 255 | 4.6 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*330      |
| KS3000/3049-8.5D-C32 | 30.00                              | 30.49 | 355.0   | 295.0 | 278.0 | 256 | 4.6 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3050/3099-8.5D-C32 | 30.50                              | 30.99 | 370.5   | 310.5 | 293.5 | 259 | 4.7 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3100/3149-8.5D-C32 | 31.00                              | 31.49 | 367.5   | 307.5 | 291.0 | 264 | 4.8 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3150/3199-8.5D-C32 | 31.50                              | 31.99 | 375.0   | 315.0 | 299.0 | 268 | 4.8 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3200/3200-8.5D-C32 | 32.00                              | 32.00 | 376.0   | 316.0 | 300.5 | 276 | 4.9 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3200/3299-8.5D-C40 | 32.00                              | 32.99 | 405.0   | 335.0 | 313.5 | 275 | 4.9 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3300/3399-8.5D-C40 | 33.00                              | 33.99 | 398.8   | 328.8 | 308.0 | 281 | 5.1 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3400/3499-8.5D-C40 | 34.00                              | 34.99 | 412.0   | 342.0 | 322.0 | 289 | 5.2 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3500/3599-8.5D-C40 | 35.00                              | 35.99 | 427.5   | 357.5 | 337.5 | 298 | 5.4 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3600/3600-8.5D-C40 | 36.00                              | 36.00 | 431.0   | 361.0 | 341.0 | 306 | 5.5 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*439      |
| KS3600/3699-8.5D-C40 | 36.00                              | 36.99 | 444.0   | 374.0 | 353.5 | 309 | 5.5 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |
| KS3700/3799-8.5D-C40 | 37.00                              | 37.99 | 447.5   | 377.5 | 357.0 | 315 | 5.7 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |
| KS3800/3899-8.5D-C40 | 38.00                              | 38.99 | 451.0   | 381.0 | 360.5 | 323 | 5.8 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |
| KS3900/4000-8.5D-C40 | 39.00                              | 40.00 | 466.5   | 396.5 | 376.0 | 332 | 6.0 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |
| KS4000/4000-8.5D-C40 | 40.00                              | 40.00 | 470.0   | 400.0 | 379.5 | 340 | 6.2 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |

- 所有钻杆应使用匹配型号的钻尖
- 钻杆配有中心锁紧螺丝和扳手
- 钻尖需单独订购
- All drill pipes should use matching drill tips
- The drill pipe is equipped with a central locking screw and wrench
- Drill tips need to be ordered separately



KS皇冠钻钻杆 10D

| 型号<br>Code No       | 钻尖直径范围<br>Drill tip diameter range |       | 尺寸 Size |       |       |     |     |    |    | 刀座型号<br>Knife holder model | 中心锁紧螺丝<br>Center locking screw | 扳手<br>Wrench |
|---------------------|------------------------------------|-------|---------|-------|-------|-----|-----|----|----|----------------------------|--------------------------------|--------------|
|                     |                                    |       | L       | L1    | L3    | L4  | L5  | LS | D  |                            |                                |              |
| KS1250/1299-10D-C16 | 12.50                              | 12.99 | 199.5   | 151.5 | 137.5 | 125 | 2.0 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*230       |
| KS1300/1349-10D-C16 | 13.00                              | 13.49 | 203.0   | 155.0 | 141.0 | 130 | 2.1 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*230       |
| KS1350/1350-10D-C16 | 13.50                              | 13.50 | 206.0   | 158.0 | 143.0 | 135 | 2.1 | 48 | 16 | C                          | M3.0/M2.5*14                   | T6*230       |
| KS1350/1399-10D-C16 | 13.50                              | 13.99 | 206.0   | 158.0 | 144.0 | 136 | 2.2 | 48 | 16 | B                          | M3.0/M2.5*14                   | T6*230       |
| KS1400/1449-10D-C16 | 14.00                              | 14.49 | 210.0   | 162.0 | 148.5 | 140 | 2.2 | 48 | 16 | B                          | M3.0/M2.5*14                   | T6*230       |
| KS1450/1450-10D-C20 | 14.50                              | 14.50 | 220.0   | 170.0 | 155.5 | 145 | 2.3 | 50 | 20 | B                          | M3.0/M2.5*14                   | T6*230       |
| KS1450/1499-10D-C20 | 14.50                              | 14.99 | 220.0   | 170.0 | 155.5 | 146 | 2.3 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*230       |
| KS1500/1549-10D-C20 | 15.00                              | 15.49 | 224.5   | 174.5 | 161.0 | 150 | 2.4 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*230       |
| KS1550/1599-10D-C20 | 15.50                              | 15.99 | 229.5   | 179.5 | 166.0 | 155 | 2.5 | 50 | 20 | A                          | M3.0/M2.5*14                   | T6*230       |
| KS1600/1649-10D-C20 | 16.00                              | 16.49 | 233.0   | 183.0 | 170.0 | 160 | 2.5 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1650/1699-10D-C20 | 16.50                              | 16.99 | 239.5   | 189.5 | 176.5 | 165 | 2.6 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1700/1749-10D-C20 | 17.00                              | 17.49 | 243.5   | 193.5 | 180.5 | 170 | 2.7 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1750/1799-10D-C20 | 17.50                              | 17.99 | 248.5   | 198.5 | 186.0 | 175 | 2.8 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1800/1800-10D-C20 | 18.00                              | 18.00 | 255.5   | 202.5 | 193.5 | 180 | 2.9 | 50 | 20 | 1                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1800/1849-10D-C20 | 18.00                              | 18.49 | 261.9   | 205.9 | 191.5 | 182 | 2.9 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1850/1899-10D-C25 | 18.50                              | 18.99 | 267.5   | 211.5 | 197.5 | 185 | 2.9 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1900/1949-10D-C25 | 19.00                              | 19.49 | 272.8   | 216.8 | 203.0 | 190 | 3.0 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*297      |
| KS1950/1999-10D-C25 | 19.50                              | 19.99 | 277.5   | 221.5 | 208.0 | 195 | 3.1 | 56 | 25 | 2                          | M3.5/M2.5*16                   | 1.5*297      |
| KS2000/2049-10D-C25 | 20.00                              | 20.49 | 295.7   | 239.7 | 226.0 | 200 | 3.2 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2050/2099-10D-C25 | 20.50                              | 20.99 | 295.5   | 239.5 | 226.0 | 205 | 3.3 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2100/2149-10D-C25 | 21.00                              | 21.49 | 295.7   | 239.7 | 226.5 | 210 | 3.3 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2150/2199-10D-C25 | 21.50                              | 21.99 | 305.5   | 249.5 | 236.5 | 215 | 3.4 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2200/2200-10D-C25 | 22.00                              | 22.00 | 317.0   | 261.0 | 247.5 | 220 | 3.5 | 56 | 25 | 3                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2200/2249-10D-C25 | 22.00                              | 22.49 | 317.5   | 261.5 | 248.0 | 222 | 3.5 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2250/2299-10D-C25 | 22.50                              | 22.99 | 318.5   | 262.5 | 249.5 | 225 | 3.6 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2300/2349-10D-C25 | 23.00                              | 23.49 | 317.7   | 261.7 | 249.0 | 230 | 3.7 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2350/2399-10D-C25 | 23.50                              | 23.99 | 328.5   | 272.5 | 260.0 | 235 | 3.7 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |

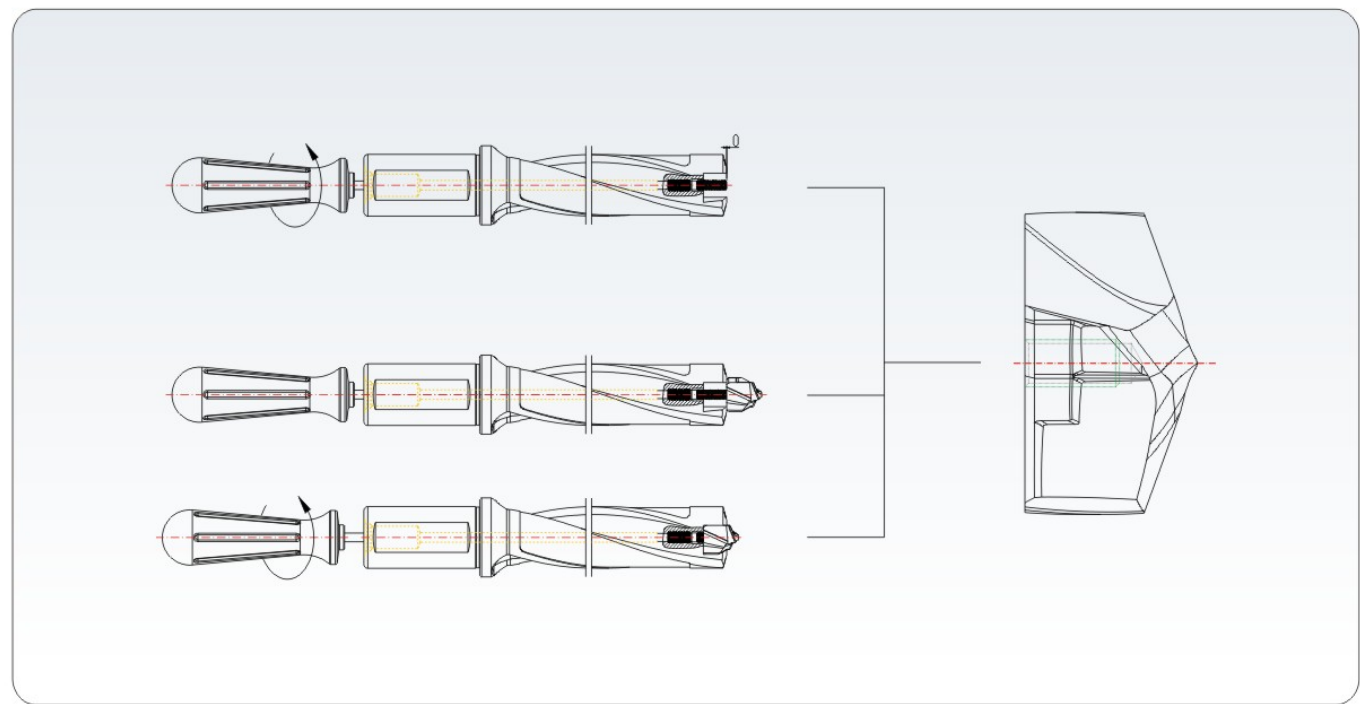
注意：钻杆超过5D时，需进行预定心操作！      Attention: When the drill pipe exceeds 5D, pre centering operation is required!

KS皇冠钻钻杆 10D

| 型号<br>Code No       | 钻尖直径范围<br>Drill tip diameter range |       | 尺寸 Size |       |       |     |     |    |    | 刀座型号<br>Knife holder model | 中心锁紧螺丝<br>Center locking screw | 扳手<br>Wrench |
|---------------------|------------------------------------|-------|---------|-------|-------|-----|-----|----|----|----------------------------|--------------------------------|--------------|
|                     |                                    |       | L       | L1    | L3    | L4  | L5  | LS | D  |                            |                                |              |
| KS2400/2400-10D-C25 | 24.00                              | 24.00 | 328.7   | 272.7 | 260.5 | 240 | 3.8 | 56 | 25 | 4                          | M4.0/M3.0*19                   | 2.0*343      |
| KS2400/2449-10D-C32 | 24.00                              | 24.49 | 344.5   | 284.5 | 267.5 | 242 | 3.8 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2450/2499-10D-C32 | 24.50                              | 24.99 | 344.5   | 284.5 | 267.5 | 245 | 3.9 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2500/2549-10D-C32 | 25.00                              | 25.49 | 345.7   | 285.7 | 269.0 | 250 | 3.8 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2550/2599-10D-C32 | 25.50                              | 25.99 | 354.5   | 294.5 | 278.5 | 255 | 3.9 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2600/2600-10D-C32 | 26.00                              | 26.00 | 361.4   | 301.4 | 284.0 | 260 | 4.0 | 60 | 32 | 5                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2600/2649-10D-C32 | 26.00                              | 26.49 | 361.8   | 301.8 | 284.5 | 262 | 4.0 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2650/2699-10D-C32 | 26.50                              | 26.99 | 361.8   | 301.8 | 285.0 | 265 | 4.1 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2700/2749-10D-C32 | 27.00                              | 27.49 | 366.8   | 306.8 | 290.0 | 270 | 4.2 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2750/2799-10D-C32 | 27.50                              | 27.99 | 376.5   | 316.5 | 300.5 | 275 | 4.2 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2800/2800-10D-C32 | 28.00                              | 28.00 | 377.4   | 317.4 | 301.5 | 280 | 4.3 | 60 | 32 | 6                          | M5.0/M4.0*23                   | 2.5*393      |
| KS2800/2849-10D-C32 | 28.00                              | 28.49 | 377.8   | 317.8 | 302.0 | 282 | 4.3 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*439      |
| KS2850/2899-10D-C32 | 28.50                              | 28.99 | 389.5   | 329.5 | 313.0 | 285 | 4.4 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*439      |
| KS2900/2949-10D-C32 | 29.00                              | 29.49 | 389.8   | 329.8 | 313.5 | 290 | 4.5 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*439      |
| KS2950/2999-10D-C32 | 29.50                              | 29.99 | 399.5   | 339.5 | 323.5 | 295 | 4.5 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3000/3000-10D-C32 | 30.00                              | 30.00 | 399.5   | 339.5 | 323.0 | 300 | 4.6 | 60 | 32 | 7                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3000/3049-10D-C32 | 30.00                              | 30.49 | 400.0   | 340.0 | 323.0 | 302 | 4.6 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3050/3099-10D-C32 | 30.50                              | 30.99 | 416.5   | 356.5 | 339.5 | 305 | 4.7 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3100/3149-10D-C32 | 31.00                              | 31.49 | 414.0   | 354.0 | 337.5 | 310 | 4.8 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3150/3199-10D-C32 | 31.50                              | 31.99 | 422.5   | 362.5 | 346.5 | 315 | 4.8 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3200/3200-10D-C32 | 32.00                              | 32.00 | 424.0   | 364.0 | 348.5 | 320 | 4.9 | 60 | 32 | 8                          | M6.0/M5.0*28                   | 3.0*439      |
| KS3200/3299-10D-C40 | 32.00                              | 32.99 | 453.0   | 383.0 | 361.3 | 323 | 4.9 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*530      |
| KS3300/3399-10D-C40 | 33.00                              | 33.99 | 448.3   | 378.3 | 357.5 | 330 | 5.1 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*530      |
| KS3400/3499-10D-C40 | 34.00                              | 34.99 | 463.0   | 393.0 | 373.0 | 340 | 5.2 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*530      |
| KS3500/3599-10D-C40 | 35.00                              | 35.99 | 480.0   | 410.0 | 390.0 | 350 | 5.4 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*530      |
| KS3600/3600-10D-C40 | 36.00                              | 36.00 | 485.0   | 415.0 | 395.0 | 360 | 5.5 | 70 | 40 | 9                          | M6.0/M6.0*32                   | 3.0*530      |
| KS3600/3699-10D-C40 | 36.00                              | 36.99 | 498.0   | 428.0 | 407.5 | 363 | 5.5 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |
| KS3700/3799-10D-C40 | 37.00                              | 37.99 | 503.0   | 433.0 | 412.5 | 370 | 5.7 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |
| KS3800/3899-10D-C40 | 38.00                              | 38.99 | 508.0   | 438.0 | 417.5 | 380 | 5.8 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |
| KS3900/4000-10D-C40 | 39.00                              | 40.00 | 525.0   | 455.0 | 434.5 | 390 | 6.0 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |
| KS4000/4000-10D-C40 | 40.00                              | 40.00 | 530.0   | 460.0 | 439.5 | 400 | 6.2 | 70 | 40 | 10                         | M6.0/M6.0*32                   | 3.0*530      |

### 钻头的安装方法

Installation method of drill tip



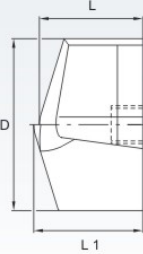
- 使用扳手对中心锁紧螺丝进行高度设置。  
Use a wrench to set the height of the central locking screw.  
  
• 钻头小于 $\varnothing 32$ 以下，中心锁紧螺丝对齐钻杆最高点。  
When the drill tip is less than  $\varnothing 32$ , align the center locking screw with the highest point of the drill pipe.  
  
• 钻头大于 $\varnothing 32$ 以上，中心锁紧螺丝比钻杆最高点低2mm。  
The drill tip is larger than  $\varnothing 32$  and the central locking screw is 2mm lower than the highest point of the drill pipe.
- 使用扳手顺时针旋转中心锁紧螺丝，直至钻头底面与钻杆刀片位平面完全贴合。  
Use a wrench to rotate the center locking screw clockwise until the bottom surface of the drill tip fully fits into the plane of the drill pipe blade.
- 卸下钻头时，逆时针旋转，直至钻头松开。  
When removing the drill tip, rotate counterclockwise until the drill tip is released.
- 小规格扳手不宜用力过猛，小心拆装！  
Small size wrenches should not be used too hard, be careful when disassembling!
- 中心锁紧螺丝损坏联系厂家咨询维修。  
The central locking screw is damaged, please contact the manufacturer for repair.

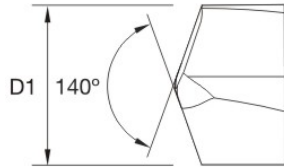
### 皇冠钻钻头型号编码规则

Code Rules for Crown Drill Tip Models

## KS1250-C-KPM45-P-TiAIN

| 钻头系列<br>Drill point series | 钻头直径<br>Diameter of<br>drill point | 匹配刀座<br>Matching tool holder | 钻头材质<br>Drill point material | 钻头类型<br>Drill point type | 涂层<br>Coating |
|----------------------------|------------------------------------|------------------------------|------------------------------|--------------------------|---------------|
| KS系列钻头                     | 12.50mm                            | C                            | KPM45                        | P<br>(通用槽型)<br>肯纳HPGM    | TiAIN         |
|                            |                                    | B                            |                              |                          |               |
|                            |                                    | A                            |                              |                          |               |
|                            |                                    | 1                            |                              |                          |               |
|                            |                                    | 2                            | KMS35                        | S<br>(不锈钢槽型)<br>肯纳SPLM   | TiAIN         |
|                            |                                    | 3                            |                              |                          |               |
|                            |                                    | 4                            |                              |                          |               |
|                            |                                    | 5                            |                              |                          |               |
|                            |                                    | 6                            |                              |                          |               |
|                            |                                    | 7                            |                              |                          |               |
|                            |                                    | 8                            |                              |                          |               |
|                            |                                    | 9                            |                              |                          |               |
|                            |                                    | 10                           |                              |                          |               |
| KS系列钻头                     | 12.50mm                            | C                            | K7410                        | K<br>(铸铁槽型)<br>肯纳HPCCLM  | AlCr          |
|                            |                                    |                              |                              |                          |               |

|                                                                                       | 钻头修磨最低值 Minimum value of drilling point trimming |                          |                       |                                  |
|---------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------|-----------------------|----------------------------------|
|                                                                                       | 直径范围D<br>Diameter range                          | 刀座尺寸<br>Cutter seat size | 最新值L1<br>Latest value | 修磨最低值L<br>Minimum grinding value |
|  | $\varnothing 12.50 \sim \varnothing 13.49$       | C                        | 9.6                   | 8.4                              |
|                                                                                       | $\varnothing 13.50 \sim \varnothing 14.49$       | B                        | 10.1                  | 8.8                              |
|                                                                                       | $\varnothing 14.50 \sim \varnothing 15.99$       | A                        | 10.6                  | 9.3                              |
|                                                                                       | $\varnothing 16.00 \sim \varnothing 17.99$       | 1                        | 11.6                  | 10.2                             |
|                                                                                       | $\varnothing 18.00 \sim \varnothing 19.99$       | 2                        | 12.6                  | 11.1                             |
|                                                                                       | $\varnothing 20.00 \sim \varnothing 21.99$       | 3                        | 13.6                  | 12.0                             |
|                                                                                       | $\varnothing 22.00 \sim \varnothing 23.99$       | 4                        | 14.6                  | 13.0                             |
|                                                                                       | $\varnothing 24.00 \sim \varnothing 25.99$       | 5                        | 15.6                  | 13.8                             |
|                                                                                       | $\varnothing 26.00 \sim \varnothing 27.99$       | 6                        | 16.6                  | 14.7                             |
|                                                                                       | $\varnothing 28.00 \sim \varnothing 29.99$       | 7                        | 17.6                  | 15.6                             |
|                                                                                       | $\varnothing 30.00 \sim \varnothing 31.99$       | 8                        | 18.6                  | 16.5                             |
|                                                                                       | $\varnothing 32.00 \sim \varnothing 35.99$       | 9                        | 20.6                  | 18.3                             |
|                                                                                       | $\varnothing 36.00 \sim \varnothing 40.00$       | 10                       | 22.6                  | 20.1                             |



KPM45-P 通用槽型 硬质合金钻头

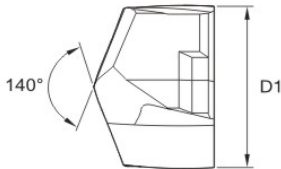
| 型号<br>Code No          | 钻头直径<br>Drill tip diameter | 匹配刀座<br>Matching tool holder | 钻头材质<br>Drill tip material | 钻头类型<br>Drill tip type | 涂层<br>coating | 中心锁紧螺丝<br>Center locking screw |
|------------------------|----------------------------|------------------------------|----------------------------|------------------------|---------------|--------------------------------|
| KS1250-C-KPM45-P-TiAIN | 12.50                      | C                            | KPM45                      | P                      | TiAIN         | M3.0/M2.5*14                   |
| KS1300-C-KPM45-P-TiAIN | 13.00                      | C                            | KPM45                      | P                      | TiAIN         | M3.0/M2.5*14                   |
| KS1350-C-KPM45-P-TiAIN | 13.50                      | C                            | KPM45                      | P                      | TiAIN         | M3.0/M2.5*14                   |
| KS1400-B-KPM45-P-TiAIN | 14.00                      | B                            | KPM45                      | P                      | TiAIN         | M3.0/M2.5*14                   |
| KS1450-B-KPM45-P-TiAIN | 14.50                      | B                            | KPM45                      | P                      | TiAIN         | M3.0/M2.5*14                   |
| KS1500-A-KPM45-P-TiAIN | 15.00                      | A                            | KPM45                      | P                      | TiAIN         | M3.0/M2.5*14                   |
| KS1550-A-KPM45-P-TiAIN | 15.50                      | A                            | KPM45                      | P                      | TiAIN         | M3.0/M2.5*14                   |
| KS1600-1-KPM45-P-TiAIN | 16.00                      | 1                            | KPM45                      | P                      | TiAIN         | M3.5/M2.5*16                   |
| KS1650-1-KPM45-P-TiAIN | 16.50                      | 1                            | KPM45                      | P                      | TiAIN         | M3.5/M2.5*16                   |
| KS1700-1-KPM45-P-TiAIN | 17.00                      | 1                            | KPM45                      | P                      | TiAIN         | M3.5/M2.5*16                   |
| KS1750-1-KPM45-P-TiAIN | 17.50                      | 1                            | KPM45                      | P                      | TiAIN         | M3.5/M2.5*16                   |
| KS1800-1-KPM45-P-TiAIN | 18.00                      | 1                            | KPM45                      | P                      | TiAIN         | M3.5/M2.5*16                   |
| KS1850-2-KPM45-P-TiAIN | 18.50                      | 2                            | KPM45                      | P                      | TiAIN         | M3.5/M2.5*16                   |
| KS1900-2-KPM45-P-TiAIN | 19.00                      | 2                            | KPM45                      | P                      | TiAIN         | M3.5/M2.5*16                   |
| KS1950-2-KPM45-P-TiAIN | 19.50                      | 2                            | KPM45                      | P                      | TiAIN         | M3.5/M2.5*16                   |
| KS2000-3-KPM45-P-TiAIN | 20.00                      | 3                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2050-3-KPM45-P-TiAIN | 20.50                      | 3                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2100-3-KPM45-P-TiAIN | 21.00                      | 3                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2150-3-KPM45-P-TiAIN | 21.50                      | 3                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2200-3-KPM45-P-TiAIN | 22.00                      | 3                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2250-4-KPM45-P-TiAIN | 22.50                      | 4                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2300-4-KPM45-P-TiAIN | 23.00                      | 4                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2350-4-KPM45-P-TiAIN | 23.50                      | 4                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2400-4-KPM45-P-TiAIN | 24.00                      | 4                            | KPM45                      | P                      | TiAIN         | M4.0/M3.0*19                   |
| KS2450-5-KPM45-P-TiAIN | 24.50                      | 5                            | KPM45                      | P                      | TiAIN         | M5.0/M4.0*23                   |
| KS2500-5-KPM45-P-TiAIN | 25.00                      | 5                            | KPM45                      | P                      | TiAIN         | M5.0/M4.0*23                   |
| KS2550-5-KPM45-P-TiAIN | 25.50                      | 5                            | KPM45                      | P                      | TiAIN         | M5.0/M4.0*23                   |
| KS2600-5-KPM45-P-TiAIN | 26.00                      | 5                            | KPM45                      | P                      | TiAIN         | M5.0/M4.0*23                   |
| KS2650-6-KPM45-P-TiAIN | 26.50                      | 6                            | KPM45                      | P                      | TiAIN         | M5.0/M4.0*23                   |
| KS2700-6-KPM45-P-TiAIN | 27.00                      | 6                            | KPM45                      | P                      | TiAIN         | M5.0/M4.0*23                   |
| KS2750-6-KPM45-P-TiAIN | 27.50                      | 6                            | KPM45                      | P                      | TiAIN         | M5.0/M4.0*23                   |
| KS2800-6-KPM45-P-TiAIN | 28.00                      | 6                            | KPM45                      | P                      | TiAIN         | M5.0/M4.0*23                   |
| KS2850-7-KPM45-P-TiAIN | 28.50                      | 7                            | KPM45                      | P                      | TiAIN         | M6.0/M5.0*28                   |
| KS2900-7-KPM45-P-TiAIN | 29.00                      | 7                            | KPM45                      | P                      | TiAIN         | M6.0/M5.0*28                   |

KPM45-P 通用槽型 硬质合金钻头

| 型号<br>Code No           | 钻头直径<br>Drill tip diameter | 匹配刀座<br>Matching tool holder | 钻头材质<br>Drill tip material | 钻头类型<br>Drill tip type | 涂层<br>coating | 中心锁紧螺丝<br>Center locking screw |
|-------------------------|----------------------------|------------------------------|----------------------------|------------------------|---------------|--------------------------------|
| KS2950-7-KPM45-P-TiAIN  | 29.50                      | 7                            | KPM45                      | P                      | TiAIN         | M6.0/M5.0*28                   |
| KS3000-7-KPM45-P-TiAIN  | 30.00                      | 7                            | KPM45                      | P                      | TiAIN         | M6.0/M5.0*28                   |
| KS3050-8-KPM45-P-TiAIN  | 30.50                      | 8                            | KPM45                      | P                      | TiAIN         | M6.0/M5.0*28                   |
| KS3100-8-KPM45-P-TiAIN  | 31.00                      | 8                            | KPM45                      | P                      | TiAIN         | M6.0/M5.0*28                   |
| KS3150-8-KPM45-P-TiAIN  | 31.50                      | 8                            | KPM45                      | P                      | TiAIN         | M6.0/M5.0*28                   |
| KS3200-8-KPM45-P-TiAIN  | 32.00                      | 8                            | KPM45                      | P                      | TiAIN         | M6.0/M5.0*28                   |
| KS3250-9-KPM45-P-TiAIN  | 32.50                      | 9                            | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3300-9-KPM45-P-TiAIN  | 33.00                      | 9                            | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3350-9-KPM45-P-TiAIN  | 33.50                      | 9                            | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3400-9-KPM45-P-TiAIN  | 34.00                      | 9                            | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3450-9-KPM45-P-TiAIN  | 34.50                      | 9                            | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3500-9-KPM45-P-TiAIN  | 35.00                      | 9                            | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3550-9-KPM45-P-TiAIN  | 35.50                      | 9                            | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3600-10-KPM45-P-TiAIN | 36.00                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3650-10-KPM45-P-TiAIN | 36.50                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3700-10-KPM45-P-TiAIN | 37.00                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3750-10-KPM45-P-TiAIN | 37.50                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3800-10-KPM45-P-TiAIN | 38.00                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3850-10-KPM45-P-TiAIN | 38.50                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3900-10-KPM45-P-TiAIN | 39.00                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS3950-10-KPM45-P-TiAIN | 39.50                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |
| KS4000-10-KPM45-P-TiAIN | 40.00                      | 10                           | KPM45                      | P                      | TiAIN         | M6.0/M6.0*32                   |

KPM45-P (通用槽型) 钻头 切削参数

| 材料分组<br>Material grouping |   | 切削速度 Cutting speed - VC |                     |                | 根据直径推荐进给率(f)<br>Recommended feed rate based on diameter |           |           |           |           |           |           |
|---------------------------|---|-------------------------|---------------------|----------------|---------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                           |   | m/min                   |                     |                |                                                         |           |           |           |           |           |           |
|                           |   | 最小值<br>minimum          | 中间值<br>Intermediate | 最大值<br>Maximum |                                                         | 12.5      | 16        | 20        | 25        | 32        | 40        |
| P                         | 1 | 100                     | 110                 | 120            | mm/转                                                    | 0.15-0.31 | 0.17-0.36 | 0.19-0.41 | 0.25-0.53 | 0.29-0.60 | 0.33-0.69 |
|                           | 2 | 80                      | 95                  | 110            | mm/转                                                    | 0.15-0.31 | 0.17-0.36 | 0.19-0.41 | 0.25-0.53 | 0.29-0.60 | 0.33-0.69 |
|                           | 3 | 65                      | 70                  | 80             | mm/转                                                    | 0.15-0.31 | 0.17-0.36 | 0.19-0.41 | 0.25-0.53 | 0.29-0.60 | 0.33-0.69 |
| M                         | 1 | 30                      | 60                  | 90             | mm/转                                                    | 0.09-0.14 | 0.11-0.17 | 0.13-0.20 | 0.16-0.25 | 0.18-0.28 | 0.21-0.31 |
|                           | 2 | 30                      | 50                  | 90             | mm/转                                                    | 0.09-0.14 | 0.11-0.17 | 0.13-0.20 | 0.16-0.25 | 0.18-0.28 | 0.21-0.31 |
|                           | 3 | 20                      | 40                  | 60             | mm/转                                                    | 0.09-0.14 | 0.11-0.17 | 0.13-0.20 | 0.16-0.25 | 0.18-0.28 | 0.21-0.31 |



KMS35-S 不锈钢槽型硬质合金钻头

| 型号<br>Code No          | 钻头直径<br>Drill tip diameter | 匹配刀座<br>Matching tool holder | 钻头材质<br>Drill tip material | 钻头类型<br>Drill tip type | 涂层<br>coating | 中心锁紧螺丝<br>Center locking screw |
|------------------------|----------------------------|------------------------------|----------------------------|------------------------|---------------|--------------------------------|
| KS1250-C-KMS35-S-TiAIN | 12. 50                     | C                            | KMS35                      | S                      | TiAIN         | M3. 0/M2. 5*14                 |
| KS1300-C-KMS35-S-TiAIN | 13. 00                     | C                            | KMS35                      | S                      | TiAIN         | M3. 0/M2. 5*14                 |
| KS1350-C-KMS35-S-TiAIN | 13. 50                     | C                            | KMS35                      | S                      | TiAIN         | M3. 0/M2. 5*14                 |
| KS1400-B-KMS35-S-TiAIN | 14. 00                     | B                            | KMS35                      | S                      | TiAIN         | M3. 0/M2. 5*14                 |
| KS1450-B-KMS35-S-TiAIN | 14. 50                     | B                            | KMS35                      | S                      | TiAIN         | M3. 0/M2. 5*14                 |
| KS1500-A-KMS35-S-TiAIN | 15. 00                     | A                            | KMS35                      | S                      | TiAIN         | M3. 0/M2. 5*14                 |
| KS1550-A-KMS35-S-TiAIN | 15. 50                     | A                            | KMS35                      | S                      | TiAIN         | M3. 0/M2. 5*14                 |
| KS1600-1-KMS35-S-TiAIN | 16. 00                     | 1                            | KMS35                      | S                      | TiAIN         | M3. 5/M2. 5*16                 |
| KS1650-1-KMS35-S-TiAIN | 16. 50                     | 1                            | KMS35                      | S                      | TiAIN         | M3. 5/M2. 5*16                 |
| KS1700-1-KMS35-S-TiAIN | 17. 00                     | 1                            | KMS35                      | S                      | TiAIN         | M3. 5/M2. 5*16                 |
| KS1750-1-KMS35-S-TiAIN | 17. 50                     | 1                            | KMS35                      | S                      | TiAIN         | M3. 5/M2. 5*16                 |
| KS1800-1-KMS35-S-TiAIN | 18. 00                     | 1                            | KMS35                      | S                      | TiAIN         | M3. 5/M2. 5*16                 |
| KS1850-2-KMS35-S-TiAIN | 18. 50                     | 2                            | KMS35                      | S                      | TiAIN         | M3. 5/M2. 5*16                 |
| KS1900-2-KMS35-S-TiAIN | 19. 00                     | 2                            | KMS35                      | S                      | TiAIN         | M3. 5/M2. 5*16                 |
| KS1950-2-KMS35-S-TiAIN | 19. 50                     | 2                            | KMS35                      | S                      | TiAIN         | M3. 5/M2. 5*16                 |
| KS2000-3-KMS35-S-TiAIN | 20. 00                     | 3                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2050-3-KMS35-S-TiAIN | 20. 50                     | 3                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2100-3-KMS35-S-TiAIN | 21. 00                     | 3                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2150-3-KMS35-S-TiAIN | 21. 50                     | 3                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2200-3-KMS35-S-TiAIN | 22. 00                     | 3                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2250-4-KMS35-S-TiAIN | 22. 50                     | 4                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2300-4-KMS35-S-TiAIN | 23. 00                     | 4                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2350-4-KMS35-S-TiAIN | 23. 50                     | 4                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2400-4-KMS35-S-TiAIN | 24. 00                     | 4                            | KMS35                      | S                      | TiAIN         | M4. 0/M3. 0*19                 |
| KS2450-5-KMS35-S-TiAIN | 24. 50                     | 5                            | KMS35                      | S                      | TiAIN         | M5. 0/M4. 0*23                 |
| KS2500-5-KMS35-S-TiAIN | 25. 00                     | 5                            | KMS35                      | S                      | TiAIN         | M5. 0/M4. 0*23                 |
| KS2550-5-KMS35-S-TiAIN | 25. 50                     | 5                            | KMS35                      | S                      | TiAIN         | M5. 0/M4. 0*23                 |
| KS2600-5-KMS35-S-TiAIN | 26. 00                     | 5                            | KMS35                      | S                      | TiAIN         | M5. 0/M4. 0*23                 |
| KS2650-6-KMS35-S-TiAIN | 26. 50                     | 6                            | KMS35                      | S                      | TiAIN         | M5. 0/M4. 0*23                 |
| KS2700-6-KMS35-S-TiAIN | 27. 00                     | 6                            | KMS35                      | S                      | TiAIN         | M5. 0/M4. 0*23                 |
| KS2750-6-KMS35-S-TiAIN | 27. 50                     | 6                            | KMS35                      | S                      | TiAIN         | M5. 0/M4. 0*23                 |
| KS2800-6-KMS35-S-TiAIN | 28. 00                     | 6                            | KMS35                      | S                      | TiAIN         | M5. 0/M4. 0*23                 |
| KS2850-7-KMS35-S-TiAIN | 28. 50                     | 7                            | KMS35                      | S                      | TiAIN         | M6. 0/M5. 0*28                 |
| KS2900-7-KMS35-S-TiAIN | 29. 00                     | 7                            | KMS35                      | S                      | TiAIN         | M6. 0/M5. 0*28                 |

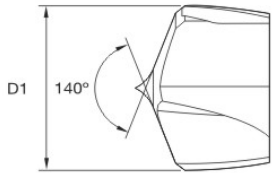
KMS35-S 不锈钢槽型硬质合金钻头

| 型号<br>Code No           | 钻头直径<br>Drill tip diameter | 匹配刀座<br>Matching tool holder | 钻头材质<br>Drill tip material | 钻头类型<br>Drill tip type | 涂层<br>coating | 中心锁紧螺丝<br>Center locking screw |
|-------------------------|----------------------------|------------------------------|----------------------------|------------------------|---------------|--------------------------------|
| KS2950-7-KMS35-S-TiAIN  | 29. 50                     | 7                            | KMS35                      | S                      | TiAIN         | M6. 0/M5. 0*28                 |
| KS3000-7-KMS35-S-TiAIN  | 30. 00                     | 7                            | KMS35                      | S                      | TiAIN         | M6. 0/M5. 0*28                 |
| KS3050-8-KMS35-S-TiAIN  | 30. 50                     | 8                            | KMS35                      | S                      | TiAIN         | M6. 0/M5. 0*28                 |
| KS3100-8-KMS35-S-TiAIN  | 31. 00                     | 8                            | KMS35                      | S                      | TiAIN         | M6. 0/M5. 0*28                 |
| KS3150-8-KMS35-S-TiAIN  | 31. 50                     | 8                            | KMS35                      | S                      | TiAIN         | M6. 0/M5. 0*28                 |
| KS3200-8-KMS35-S-TiAIN  | 32. 00                     | 8                            | KMS35                      | S                      | TiAIN         | M6. 0/M5. 0*28                 |
| KS3250-9-KMS35-S-TiAIN  | 32. 50                     | 9                            | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3300-9-KMS35-S-TiAIN  | 33. 00                     | 9                            | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3350-9-KMS35-S-TiAIN  | 33. 50                     | 9                            | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3400-9-KMS35-S-TiAIN  | 34. 00                     | 9                            | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3450-9-KMS35-S-TiAIN  | 34. 50                     | 9                            | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3500-9-KMS35-S-TiAIN  | 35. 00                     | 9                            | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3550-9-KMS35-S-TiAIN  | 35. 50                     | 9                            | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3600-10-KMS35-S-TiAIN | 36. 00                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3650-10-KMS35-S-TiAIN | 36. 50                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3700-10-KMS35-S-TiAIN | 37. 00                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3750-10-KMS35-S-TiAIN | 37. 50                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3800-10-KMS35-S-TiAIN | 38. 00                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3850-10-KMS35-S-TiAIN | 38. 50                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3900-10-KMS35-S-TiAIN | 39. 00                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS3950-10-KMS35-S-TiAIN | 39. 50                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |
| KS4000-10-KMS35-S-TiAIN | 40. 00                     | 10                           | KMS35                      | S                      | TiAIN         | M6. 0/M6. 0*32                 |

KMS35-S (不锈钢槽型) 钻头 切削参数

| 材料分组<br>Material grouping |   | 切削速度 Cutting speed - VC |                     |                | 根据直径推荐进给率(f)<br>Recommended feed rate based on diameter |             |             |             |             |             |             |
|---------------------------|---|-------------------------|---------------------|----------------|---------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                           |   | m/min                   |                     |                |                                                         |             |             |             |             |             |             |
|                           |   | 最小值<br>minimum          | 中间值<br>Intermediate | 最大值<br>Maximum |                                                         | 12.5        | 16          | 20          | 25          | 32          | 40          |
| P                         | 1 | 110                     | 140                 | 170            | mm/转                                                    | 0. 15-0. 31 | 0. 17-0. 36 | 0. 19-0. 41 | 0. 25-0. 53 | 0. 29-0. 60 | 0. 33-0. 69 |
|                           | 2 | 100                     | 120                 | 140            | mm/转                                                    | 0. 15-0. 31 | 0. 17-0. 36 | 0. 19-0. 41 | 0. 25-0. 53 | 0. 29-0. 60 | 0. 33-0. 69 |
|                           | 3 | 80                      | 100                 | 120            | mm/转                                                    | 0. 15-0. 31 | 0. 17-0. 36 | 0. 19-0. 41 | 0. 25-0. 53 | 0. 29-0. 60 | 0. 33-0. 69 |
| M                         | 1 | 40                      | 60                  | 80             | mm/转                                                    | 0. 09-0. 14 | 0. 11-0. 17 | 0. 13-0. 20 | 0. 16-0. 25 | 0. 18-0. 28 | 0. 21-0. 31 |
|                           | 2 | 35                      | 55                  | 70             | mm/转                                                    | 0. 09-0. 14 | 0. 11-0. 17 | 0. 13-0. 20 | 0. 16-0. 25 | 0. 18-0. 28 | 0. 21-0. 31 |
|                           | 3 | 20                      | 40                  | 60             | mm/转                                                    | 0. 09-0. 14 | 0. 11-0. 17 | 0. 13-0. 20 | 0. 16-0. 25 | 0. 18-0. 28 | 0. 21-0. 31 |
| N                         | 1 | 90                      | 155                 | 220            | mm/转                                                    | 0. 19-0. 40 | 0. 25-0. 50 | 0. 28-0. 56 | 0. 32-0. 63 | 0. 32-0. 7  | 0. 32-0. 7  |
|                           | 2 | 90                      | 155                 | 220            | mm/转                                                    | 0. 19-0. 40 | 0. 25-0. 50 | 0. 28-0. 56 | 0. 32-0. 63 | 0. 32-0. 7  | 0. 32-0. 7  |
|                           | 3 | 80                      | 120                 | 160            | mm/转                                                    | 0. 19-0. 40 | 0. 25-0. 50 | 0. 28-0. 56 | 0. 32-0. 63 | 0. 32-0. 7  | 0. 32-0. 7  |
|                           | 4 | 90                      | 155                 | 220            | mm/转                                                    | 0. 19-0. 40 | 0. 25-0. 50 | 0. 28-0. 56 | 0. 32-0. 63 | 0. 32-0. 7  | 0. 32-0. 7  |
| S                         | 1 | 20                      | 40                  | 60             | mm/转                                                    | 0. 05-0. 10 | 0. 07-0. 12 | 0. 09-0. 14 | 0. 11-0. 17 | 0. 13-0. 20 | 0. 16-0. 25 |
|                           | 2 | 15                      | 30                  | 45             | mm/转                                                    | 0. 05-0. 10 | 0. 07-0. 12 | 0. 09-0. 14 | 0. 11-0. 17 | 0. 13-0. 20 | 0. 16-0. 25 |
|                           | 3 | 15                      | 30                  | 45             | mm/转                                                    | 0. 05-0. 10 | 0. 07-0. 12 | 0. 09-0. 14 | 0. 11-0. 17 | 0. 13-0. 20 | 0. 16-0. 25 |
|                           | 4 | 10                      | 25                  | 40             | mm/转                                                    | 0. 05-0. 10 | 0. 07-0. 12 | 0. 13-0. 20 | 0. 16-0. 25 | 0. 18-0. 28 | 0. 21-0. 31 |

应用建议: 在使用KMS35-S钻头进行>5xD钻孔 加工时, 建议在加工前进行预定心处理。  
Application suggestion: When using KMS35-S drill tip for>5xD drilling processing, it is recommended to perform pre centering treatment before processing.



K7410-K 铸铁槽型硬质合金钻头

| 型号<br>Code No         | 钻头直径<br>Drill tip diameter | 匹配刀座<br>Matching tool holder | 钻头材质<br>Drill tip material | 钻头类型<br>Drill tip type | 涂层<br>coating | 中心锁紧螺丝<br>Center locking screw |
|-----------------------|----------------------------|------------------------------|----------------------------|------------------------|---------------|--------------------------------|
| KS1250-C-K7410-K-AlCr | 12. 50                     | C                            | K7410                      | K                      | AlCr          | M3. 0/M2. 5*14                 |
| KS1300-C-K7410-K-AlCr | 13. 00                     | C                            | K7410                      | K                      | AlCr          | M3. 0/M2. 5*14                 |
| KS1350-C-K7410-K-AlCr | 13. 50                     | C                            | K7410                      | K                      | AlCr          | M3. 0/M2. 5*14                 |
| KS1400-B-K7410-K-AlCr | 14. 00                     | B                            | K7410                      | K                      | AlCr          | M3. 0/M2. 5*14                 |
| KS1450-B-K7410-K-AlCr | 14. 50                     | B                            | K7410                      | K                      | AlCr          | M3. 0/M2. 5*14                 |
| KS1500-A-K7410-K-AlCr | 15. 00                     | A                            | K7410                      | K                      | AlCr          | M3. 0/M2. 5*14                 |
| KS1550-A-K7410-K-AlCr | 15. 50                     | A                            | K7410                      | K                      | AlCr          | M3. 0/M2. 5*14                 |
| KS1600-1-K7410-K-AlCr | 16. 00                     | 1                            | K7410                      | K                      | AlCr          | M3. 5/M2. 5*16                 |
| KS1650-1-K7410-K-AlCr | 16. 50                     | 1                            | K7410                      | K                      | AlCr          | M3. 5/M2. 5*16                 |
| KS1700-1-K7410-K-AlCr | 17. 00                     | 1                            | K7410                      | K                      | AlCr          | M3. 5/M2. 5*16                 |
| KS1750-1-K7410-K-AlCr | 17. 50                     | 1                            | K7410                      | K                      | AlCr          | M3. 5/M2. 5*16                 |
| KS1800-1-K7410-K-AlCr | 18. 00                     | 1                            | K7410                      | K                      | AlCr          | M3. 5/M2. 5*16                 |
| KS1850-2-K7410-K-AlCr | 18. 50                     | 2                            | K7410                      | K                      | AlCr          | M3. 5/M2. 5*16                 |
| KS1900-2-K7410-K-AlCr | 19. 00                     | 2                            | K7410                      | K                      | AlCr          | M3. 5/M2. 5*16                 |
| KS1950-2-K7410-K-AlCr | 19. 50                     | 2                            | K7410                      | K                      | AlCr          | M3. 5/M2. 5*16                 |
| KS2000-3-K7410-K-AlCr | 20. 00                     | 3                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2050-3-K7410-K-AlCr | 20. 50                     | 3                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2100-3-K7410-K-AlCr | 21. 00                     | 3                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2150-3-K7410-K-AlCr | 21. 50                     | 3                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2200-3-K7410-K-AlCr | 22. 00                     | 3                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2250-4-K7410-K-AlCr | 22. 50                     | 4                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2300-4-K7410-K-AlCr | 23. 00                     | 4                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2350-4-K7410-K-AlCr | 23. 50                     | 4                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2400-4-K7410-K-AlCr | 24. 00                     | 4                            | K7410                      | K                      | AlCr          | M4. 0/M3. 0*19                 |
| KS2450-5-K7410-K-AlCr | 24. 50                     | 5                            | K7410                      | K                      | AlCr          | M5. 0/M4. 0*23                 |
| KS2500-5-K7410-K-AlCr | 25. 00                     | 5                            | K7410                      | K                      | AlCr          | M5. 0/M4. 0*23                 |
| KS2550-5-K7410-K-AlCr | 25. 50                     | 5                            | K7410                      | K                      | AlCr          | M5. 0/M4. 0*23                 |
| KS2600-5-K7410-K-AlCr | 26. 00                     | 5                            | K7410                      | K                      | AlCr          | M5. 0/M4. 0*23                 |
| KS2650-6-K7410-K-AlCr | 26. 50                     | 6                            | K7410                      | K                      | AlCr          | M5. 0/M4. 0*23                 |
| KS2700-6-K7410-K-AlCr | 27. 00                     | 6                            | K7410                      | K                      | AlCr          | M5. 0/M4. 0*23                 |
| KS2750-6-K7410-K-AlCr | 27. 50                     | 6                            | K7410                      | K                      | AlCr          | M5. 0/M4. 0*23                 |
| KS2800-6-K7410-K-AlCr | 28. 00                     | 6                            | K7410                      | K                      | AlCr          | M5. 0/M4. 0*23                 |
| KS2850-7-K7410-K-AlCr | 28. 50                     | 7                            | K7410                      | K                      | AlCr          | M6. 0/M5. 0*28                 |
| KS2900-7-K7410-K-AlCr | 29. 00                     | 7                            | K7410                      | K                      | AlCr          | M6. 0/M5. 0*28                 |



K7410-K 铸铁槽型硬质合金钻头

| 型号<br>Code No          | 钻头直径<br>Drill tip diameter | 匹配刀座<br>Matching tool holder | 钻头材质<br>Drill tip material | 钻头类型<br>Drill tip type | 涂层<br>coating | 中心锁紧螺丝<br>Center locking screw |
|------------------------|----------------------------|------------------------------|----------------------------|------------------------|---------------|--------------------------------|
| KS2950-7-K7410-K-AlCr  | 29. 50                     | 7                            | K7410                      | K                      | AlCr          | M6. 0/M5. 0*28                 |
| KS3000-7-K7410-K-AlCr  | 30. 00                     | 7                            | K7410                      | K                      | AlCr          | M6. 0/M5. 0*28                 |
| KS3050-8-K7410-K-AlCr  | 30. 50                     | 8                            | K7410                      | K                      | AlCr          | M6. 0/M5. 0*28                 |
| KS3100-8-K7410-K-AlCr  | 31. 00                     | 8                            | K7410                      | K                      | AlCr          | M6. 0/M5. 0*28                 |
| KS3150-8-K7410-K-AlCr  | 31. 50                     | 8                            | K7410                      | K                      | AlCr          | M6. 0/M5. 0*28                 |
| KS3200-8-K7410-K-AlCr  | 32. 00                     | 8                            | K7410                      | K                      | AlCr          | M6. 0/M5. 0*28                 |
| KS3250-9-K7410-K-AlCr  | 32. 50                     | 9                            | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3300-9-K7410-K-AlCr  | 33. 00                     | 9                            | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3350-9-K7410-K-AlCr  | 33. 50                     | 9                            | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3400-9-K7410-K-AlCr  | 34. 00                     | 9                            | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3450-9-K7410-K-AlCr  | 34. 50                     | 9                            | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3500-9-K7410-K-AlCr  | 35. 00                     | 9                            | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3550-9-K7410-K-AlCr  | 35. 50                     | 9                            | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3600-10-K7410-K-AlCr | 36. 00                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3650-10-K7410-K-AlCr | 36. 50                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3700-10-K7410-K-AlCr | 37. 00                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3750-10-K7410-K-AlCr | 37. 50                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3800-10-K7410-K-AlCr | 38. 00                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3850-10-K7410-K-AlCr | 38. 50                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3900-10-K7410-K-AlCr | 39. 00                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS3950-10-K7410-K-AlCr | 39. 50                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |
| KS4000-10-K7410-K-AlCr | 40. 00                     | 10                           | K7410                      | K                      | AlCr          | M6. 0/M6. 0*32                 |

K7410-K (铸铁槽型) 钻头 切削参数

| 材料分组<br>Material grouping |   | 切削速度 Cutting speed - VC |                     |                | 根据直径推荐进给率(f)<br>Recommended feed rate based on diameter |           |           |           |           |           |           |
|---------------------------|---|-------------------------|---------------------|----------------|---------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                           |   | m/min                   |                     |                |                                                         |           |           |           |           |           |           |
|                           |   | 最小值<br>minimum          | 中间值<br>Intermediate | 最大值<br>Maximum |                                                         | 12.5      | 16        | 20        | 25        | 32        | 40        |
| K                         | 1 | 100                     | 175                 | 200            | mm/转                                                    | 0.17-0.35 | 0.21-0.42 | 0.25-0.48 | 0.31-0.59 | 0.37-0.70 | 0.43-0.81 |
|                           | 2 | 100                     | 160                 | 180            | mm/转                                                    | 0.17-0.33 | 0.21-0.41 | 0.25-0.48 | 0.31-0.59 | 0.37-0.70 | 0.43-0.81 |
|                           | 3 | 70                      | 85                  | 100            | mm/转                                                    | 0.18-0.36 | 0.21-0.41 | 0.21-.044 | 0.23-0.48 | 0.25-0.53 | 0.27-0.57 |

| KS皇冠钻钻杆配件规格<br>KS Crown Drill pipe fittings specification |                                      |                                |                  |          |          |          |          |
|-----------------------------------------------------------|--------------------------------------|--------------------------------|------------------|----------|----------|----------|----------|
| 直径<br>Diameter                                            | 匹配刀座尺寸<br>Match the cutter seat size | 中心锁紧螺丝<br>Center locking screw | 扳手尺寸 Wrench size |          |          |          |          |
|                                                           |                                      |                                | 3D               | 5D       | 7D       | 8.5D     | 10D      |
| ø12. 50~13. 49                                            | C                                    | M3. 0/M2. 5*14                 | T6*156           | T6*156   | T6*188   | T6*188   | T6*230   |
| ø13. 50~14. 49                                            | B                                    | M3. 0/M2. 5*14                 | T6*156           | T6*156   | T6*188   | T6*188   | T6*230   |
| ø14. 50~15. 99                                            | A                                    | M3. 0/M2. 5*14                 | T6*156           | T6*156   | T6*188   | T6*188   | T6*230   |
| ø16. 00~17. 99                                            | 1                                    | M3. 5/M2. 5*16                 | 1. 5*185         | 1. 5*185 | 1. 5*225 | 1. 5*225 | 1. 5*297 |
| ø18. 00~19. 99                                            | 2                                    | M3. 5/M2. 5*16                 | 1. 5*185         | 1. 5*185 | 1. 5*225 | 1. 5*297 | 1. 5*297 |
| ø20. 00~21. 99                                            | 3                                    | M4. 0/M3. 0*19                 | 2. 0*210         | 2. 0*210 | 2. 0*260 | 2. 0*260 | 2. 0*343 |
| ø22. 00~23. 99                                            | 4                                    | M4. 0/M3. 0*19                 | 2. 0*210         | 2. 0*210 | 2. 0*260 | 2. 0*343 | 2. 0*343 |
| ø24. 00~25. 99                                            | 5                                    | M5. 0/M4. 0*23                 | 2. 5*240         | 2. 5*240 | 2. 5*295 | 2. 5*393 | 2. 5*393 |
| ø26. 00~27. 99                                            | 6                                    | M5. 0/M4. 0*23                 | 2. 5*240         | 2. 5*240 | 2. 5*295 | 2. 5*393 | 2. 5*393 |
| ø28. 00~29. 99                                            | 7                                    | M6. 0/M5. 0*28                 | 3. 0*265         | 3. 0*265 | 3. 0*330 | 3. 0*439 | 3. 0*439 |
| ø30. 00~31. 99                                            | 8                                    | M6. 0/M5. 0*28                 | 3. 0*265         | 3. 0*265 | 3. 0*330 | 3. 0*439 | 3. 0*439 |
| ø32. 00~35. 99                                            | 9                                    | M6. 0/M6. 0*32                 | 3. 0*265         | 3. 0*330 | 3. 0*439 | 3. 0*439 | 3. 0*530 |
| ø36. 00~40. 00                                            | 10                                   | M6. 0/M6. 0*32                 | 3. 0*265         | 3. 0*330 | 3. 0*439 | 3. 0*530 | 3. 0*530 |

| 建议冷却压力参数<br>Recommended cooling pressure parameters |                          |
|-----------------------------------------------------|--------------------------|
| 钻孔深度<br>Borehole depth                              | 冷却压力<br>Cooling pressure |
| 3D                                                  | 0. 8 MPa                 |
| 8. 5D                                               | 1. 2 MPa                 |
| 7D                                                  | 2. 0 MPa                 |
| 8. 5D                                               | 2. 5 MPa                 |
| 10D                                                 | 3. 0 MPa                 |

| KS皇冠钻硬质合金钻尖公差值<br>KS Crown Diamond Hard Alloy Drill Tip Tolerance Values |                      |
|--------------------------------------------------------------------------|----------------------|
| 钻头直径D1<br>Drill diameter D1                                              | 公差h8<br>Tolerance h8 |
| ø12. 5-18                                                                | 0. 00/-0. 03         |
| ø18. 01-30                                                               | 0. 00/-0. 35         |
| ø30. 01-40                                                               | 0. 00/-0. 04         |

- P

钢 (Steel)
- M

不锈钢 (Stainless steel)
- K

铸铁 (Cast iron)
- N

非铁金属 (Non-ferrous metal)
- S

高温合金 (Superalloy)
- H

硬材料 (Hard material)
- C

CERP材料 (CERP material)

| 材料分组<br>Material grouping | 描述<br>Describe                     | 组成<br>Composition | 抗拉强度 RM<br>(MPa)* | 硬度(HB)<br>Hardness | 硬度(HRC)<br>Hardness | 材料编号<br>Material number                                             |
|---------------------------|------------------------------------|-------------------|-------------------|--------------------|---------------------|---------------------------------------------------------------------|
| P0                        | 低碳钢、长切屑                            | C<0. 25%          | <530              | <125               |                     |                                                                     |
| P1                        | 低碳钢，短切屑，易切削                        | C<0. 25%          | <530              | <125               |                     | C15, CK22, ST37-2, S235JR, 9SMnPb28, GS38                           |
| P2                        | 中碳钢和高碳钢                            | C>0. 25%          | >530              | <220               | <25                 | ST52, S355JR, C35, GS60, Cf53                                       |
| P3                        | 合金钢和工具钢                            | C>0. 25%          | 600-850           | <330               | <35                 | 16MnCr5, Ck45, 21CrMoV5-7, 38SMn28                                  |
| P4                        | 合金钢和工具钢                            | C>0. 25%          | 850-1400          | 340-450            | 35-48               | 100Cr6, 30CrNiMo8, 42CrMo4, C70W2, S6525, X120Mn12                  |
| P5                        | 铁素体、马氏体、和PH不锈钢                     | -                 | 600-900           | <330               | <35                 | 100Cr6, 30CrNiMo8, 42CrMo4, C70W2, S6525, X120Mn12                  |
| P6                        | 高强度铁素体、马氏体、和PH不锈钢                  | -                 | 900-1350          | 350-450            | 35-48               | X102CrMo17, G-X120Cr29                                              |
| M1                        | 奥氏体不锈钢                             | -                 | <600              | 130-200            | -                   | X5CrNi 18 10, X2CrNiMo 17 13 2, G-X25CrNiSi18 9,X15CrNiSi 20 12     |
| M2                        | 高温度鬼氏体不锈钢和铸造不锈钢                    | -                 | 600-800           | 150-230            | <25                 | X2CrNiMo 13 4, X5NiCr 32 21, X5CrNiNb 18 10, G-X15CrNi25-20         |
| M3                        | 双相不锈钢                              | -                 | <800              | 135-275            | <30                 | X8CrNiMo27 5, X2CrNiMoN22 5 3,X20CrNiSi25 4,G-X40CrNiSi27 4         |
| K1                        | 灰铸铁                                | -                 | 125-500           | 120-290            | <32                 | GG15, GG25, GG30, GG40, GTW40                                       |
| K2                        | 低-中强度延性铁(球墨铸铁)及蠕墨铸铁                | -                 | <600              | 130-260            | <28                 | GGG40, GTS35                                                        |
| K3                        | 高强度延性铁和奥氏体回火处理延性铁(ADI)             | -                 | >600              | 180-350            | <43                 | GGG60, GTW55, GTS65                                                 |
| N1                        | 可锻铝                                | -                 | -                 | -                  | -                   | AlMg1, Al199. 5, AlCuMg1, AlCuBiPb, AlMgSi1, ALMgSiPb               |
| N2                        | 低硅铝合金和锰合金                          | Si<12. 2%         | -                 | -                  | -                   | GA1SiCu4, GDAISi10Mg                                                |
| N3                        | 高硅铝合金和锰合金                          | Si>12. 2%         | -                 | -                  | -                   | G-ALSi12, G-ALSi17Cu4, G-ALSi21CuNiMg                               |
| N4                        | 在机械加工性能指数70-100范围内的铜基材料、黄铜基材料和锌基材料 | -                 | -                 | -                  | -                   | CuZn40, Ms60, G-CuSn5ZnPb, CuZn37, CuSi3Mn                          |
| N5                        | 尼龙、塑料、橡胶、酚醛塑料、树脂、玻璃纤维              | -                 | -                 | -                  | -                   | Lexan®, HostalenTM, Polystyrol, Makrolon ®                          |
| N6                        | 碳材料、石墨复合材料，以及CFRP材料                | -                 | -                 | -                  | -                   | CFK, GFK                                                            |
| N7                        | 金属基复合材料(MMC)                       | -                 | -                 | -                  | -                   | -                                                                   |
| S1                        | 铁基耐热合金                             | -                 | 500-1200          | 160-260            | 25-48               | X1NiCrMoCu32 28 7,X12NiCrSi36 16,X5NiCrAlTi31 20,X40CoCrNi20 20     |
| S2                        | 钴基耐热合金                             | -                 | 1000-1450         | 250-450            | 25-48               | Haynes® 188, Stellite® 6, 21, 31                                    |
| S3                        | 镍基耐热合金                             | -                 | 600-1700          | 160-450            | <48                 | INCONEL® 690, INCONEL625, Hastelloy®, NIMONIC® 75                   |
| S4                        | 钛及钛合金                              | -                 | 900-1600          | 300-400            | 33-48               | Ti1, TiAl5Sn2, TiAl6V4, TiAl4MO4Sn2                                 |
| H1                        | 硬化材料                               | -                 | -                 | -                  | 44-48               | GX260NiCr42, GX330NiCr42, GX300CrNiSi952, GX300CrMo153, Hardox® 400 |
| H2                        | 硬化材料                               | -                 | -                 | -                  | 48-55               | -                                                                   |
| H3                        | 硬化材料                               | -                 | -                 | -                  | 56-60               | -                                                                   |
| H4                        | 硬化材料                               | -                 | -                 | -                  | >60                 | -                                                                   |
| C1                        | CERP, CFRP/CFR                     | -                 | -                 | -                  | -                   | -                                                                   |
| C2                        | CFRP/非铁材料                          | -                 | -                 | -                  | -                   | -                                                                   |
| C3                        | CFRP/高温合金                          | -                 | -                 | -                  | -                   | -                                                                   |
| C4                        | CFRP/不锈钢                           | -                 | -                 | -                  | -                   | -                                                                   |
| C5                        | CFRP/非铁材料/高温合金材料                   | -                 | -                 | -                  | -                   | -                                                                   |