

# 深孔用-強力型直柄長鑽頭

## Conical Fluted Straight Shank Twist Long Drills

### K-1310~1330



- ◎使用高鉬材質HSE, 具有耐高熱, 耐磨耗之特性。
- ◎心厚大, 使鑽頭更具剛性, 對抗彎曲及振幅, 相對優越。
- ◎特殊形狀之螺旋溝槽, 排屑順暢及“X”削薄, 鑿口長度變短, 推力負荷減少, 適合深孔加工。
- ◎適用於一般鋼材、灰鑄鐵、合金鋼、鑄鐵、鋁合金等被切削材。

- ◎Basic on HSE features heat and wear resistance.
- ◎Thick web design provides high rigidity, superior bending-resistance and minimum vibration.
- ◎Special shapes of helical flutes ensure excellent chip removal. "X" thinning reduces length of chisel edge and thrust load. The drills are ideal for deep hole drilling.
- ◎Suitable for drilling General Steels, Grey Cast Iron, Alloy Steel, Cast Iron and Aluminum Alloy, etc.

| 直徑 D<br>mm | 全長 L<br>mm | 溝長 l<br>mm |
|------------|------------|------------|
| 1.0        | 100        | 50         |
| 1.1        | 100        | 50         |
| 1.2        | 100        | 50         |
| 1.3        | 100        | 50         |
| 1.4        | 100        | 50         |
| 1.5        | 100        | 50         |
| 1.6        | 100        | 50         |
| 1.7        | 100        | 50         |
| 1.8        | 100        | 50         |
| 1.9        | 100        | 50         |
| 2.0        | 100        | 50         |
| 2.1        | 100        | 50         |
| 2.2        | 100        | 50         |
| 2.3        | 100        | 50         |
| 2.4        | 100        | 50         |
| 2.5        | 100        | 50         |
| 2.6        | 100        | 50         |
| 2.7        | 100        | 50         |
| 2.8        | 100        | 50         |
| 2.9        | 100        | 50         |
| 3.0        | 100        | 50         |
| 3.0        | 150        | 75         |
| 3.0        | 200        | 100        |
| 3.1        | 150        | 75         |
| 3.1        | 200        | 100        |
| 3.2        | 150        | 75         |
| 3.2        | 200        | 100        |
| 3.3        | 150        | 75         |
| 3.3        | 200        | 100        |
| 3.4        | 150        | 75         |
| 3.4        | 200        | 100        |
| 3.5        | 150        | 75         |
| 3.5        | 200        | 100        |
| 3.6        | 150        | 75         |
| 3.6        | 200        | 100        |
| 3.7        | 150        | 75         |

| 直徑 D<br>mm | 全長 L<br>mm | 溝長 l<br>mm |
|------------|------------|------------|
| 3.7        | 200        | 100        |
| 3.8        | 150        | 75         |
| 3.8        | 200        | 100        |
| 3.9        | 150        | 75         |
| 3.9        | 200        | 100        |
| 4.0        | 150        | 75         |
| 4.0        | 200        | 100        |
| 4.1        | 150        | 75         |
| 4.1        | 200        | 100        |
| 4.2        | 150        | 75         |
| 4.2        | 200        | 100        |
| 4.3        | 150        | 75         |
| 4.3        | 200        | 100        |
| 4.4        | 150        | 75         |
| 4.4        | 200        | 100        |
| 4.5        | 150        | 75         |
| 4.5        | 200        | 100        |
| 4.6        | 150        | 75         |
| 4.6        | 200        | 100        |
| 4.7        | 150        | 75         |
| 4.7        | 200        | 100        |
| 4.8        | 150        | 75         |
| 4.8        | 200        | 100        |
| 4.9        | 150        | 75         |
| 4.9        | 200        | 100        |
| 5.0        | 150        | 90         |
| 5.0        | 200        | 100        |
| 5.0        | 250        | 125        |
| 5.1        | 150        | 90         |
| 5.1        | 200        | 100        |
| 5.1        | 250        | 125        |
| 5.2        | 150        | 90         |
| 5.2        | 200        | 100        |
| 5.2        | 250        | 125        |
| 5.3        | 150        | 90         |
| 5.3        | 200        | 100        |

| 直徑 D<br>mm | 全長 L<br>mm | 溝長 l<br>mm |
|------------|------------|------------|
| 5.3        | 250        | 125        |
| 5.4        | 150        | 90         |
| 5.4        | 200        | 100        |
| 5.4        | 250        | 125        |
| 5.5        | 150        | 90         |
| 5.5        | 200        | 100        |
| 5.5        | 250        | 125        |
| 5.6        | 150        | 90         |
| 5.6        | 200        | 100        |
| 5.6        | 250        | 125        |
| 5.7        | 150        | 90         |
| 5.7        | 200        | 100        |
| 5.7        | 250        | 125        |
| 5.8        | 150        | 90         |
| 5.8        | 200        | 100        |
| 5.8        | 250        | 125        |
| 5.9        | 150        | 90         |
| 5.9        | 200        | 100        |
| 5.9        | 250        | 125        |
| 6.0        | 150        | 90         |
| 6.0        | 200        | 125        |
| 6.0        | 250        | 150        |
| 6.1        | 150        | 90         |
| 6.1        | 200        | 125        |
| 6.1        | 250        | 150        |
| 6.2        | 150        | 90         |
| 6.2        | 200        | 125        |
| 6.2        | 250        | 150        |
| 6.3        | 150        | 90         |
| 6.3        | 200        | 125        |
| 6.3        | 250        | 150        |
| 6.4        | 150        | 90         |
| 6.4        | 200        | 125        |
| 6.4        | 250        | 150        |
| 6.5        | 150        | 90         |
| 6.5        | 200        | 125        |

| 直徑 D<br>mm | 全長 L<br>mm | 溝長 l<br>mm |
|------------|------------|------------|
| 6.5        | 250        | 150        |
| 6.6        | 150        | 90         |
| 6.6        | 200        | 125        |
| 6.6        | 250        | 150        |
| 6.7        | 150        | 90         |
| 6.7        | 200        | 125        |
| 6.7        | 250        | 150        |
| 6.8        | 150        | 90         |
| 6.8        | 200        | 125        |
| 6.8        | 250        | 150        |
| 6.9        | 150        | 90         |
| 6.9        | 200        | 125        |
| 6.9        | 250        | 150        |
| 7.0        | 150        | 90         |
| 7.0        | 200        | 125        |
| 7.0        | 250        | 150        |
| 7.0        | 300        | 200        |
| 7.1        | 150        | 90         |
| 7.1        | 200        | 125        |
| ※ 7.1      | 250        | 150        |
| ※ 7.1      | 300        | 200        |
| 7.2        | 150        | 90         |
| 7.2        | 200        | 125        |
| ※ 7.2      | 250        | 150        |
| ※ 7.2      | 300        | 200        |
| 7.3        | 150        | 90         |
| 7.3        | 200        | 125        |
| ※ 7.3      | 250        | 150        |
| ※ 7.3      | 300        | 200        |
| 7.4        | 150        | 90         |
| 7.4        | 200        | 125        |
| ※ 7.4      | 250        | 150        |
| ※ 7.4      | 300        | 200        |
| 7.5        | 150        | 90         |
| 7.5        | 200        | 125        |
| 7.5        | 250        | 150        |

※：無庫存時，依最低受注量訂製。  
 ※：In case of no stock of desired items, production should be based on minimum quantity as specified.

# 深孔用-強力型直柄長鑽頭

## Conical Fluted Straight Shank Twist Long Drills

K-1310~1330



| 直徑 D<br>mm | 全長 L<br>mm | 溝長 l<br>mm |
|------------|------------|------------|
| 7.5        | 300        | 200        |
| 7.6        | 150        | 90         |
| 7.6        | 200        | 125        |
| ※ 7.6      | 250        | 150        |
| ※ 7.6      | 300        | 200        |
| 7.7        | 150        | 90         |
| 7.7        | 200        | 125        |
| 7.7        | 250        | 150        |
| ※ 7.7      | 300        | 200        |
| 7.8        | 150        | 90         |
| 7.8        | 200        | 125        |
| ※ 7.8      | 250        | 150        |
| ※ 7.8      | 300        | 200        |
| 7.9        | 150        | 90         |
| 7.9        | 200        | 125        |
| ※ 7.9      | 250        | 150        |
| ※ 7.9      | 300        | 200        |
| 8.0        | 150        | 90         |
| 8.0        | 200        | 125        |
| 8.0        | 250        | 150        |
| 8.0        | 300        | 200        |
| 8.1        | 200        | 125        |
| 8.1        | 250        | 150        |
| ※ 8.1      | 300        | 200        |
| 8.2        | 200        | 125        |
| 8.2        | 250        | 150        |
| ※ 8.2      | 300        | 200        |
| 8.3        | 200        | 125        |
| ※ 8.3      | 250        | 150        |
| ※ 8.3      | 300        | 200        |
| 8.4        | 200        | 125        |
| ※ 8.4      | 250        | 150        |
| ※ 8.4      | 300        | 200        |
| 8.5        | 200        | 125        |
| 8.5        | 250        | 150        |
| 8.5        | 300        | 200        |
| 8.6        | 200        | 125        |
| ※ 8.6      | 250        | 150        |
| ※ 8.6      | 300        | 200        |
| 8.7        | 200        | 125        |

| 直徑 D<br>mm | 全長 L<br>mm | 溝長 l<br>mm |
|------------|------------|------------|
| 8.7        | 250        | 150        |
| ※ 8.7      | 300        | 200        |
| 8.8        | 200        | 125        |
| ※ 8.8      | 250        | 150        |
| ※ 8.8      | 300        | 200        |
| 8.9        | 200        | 125        |
| ※ 8.9      | 250        | 150        |
| ※ 8.9      | 300        | 200        |
| 9.0        | 200        | 125        |
| 9.0        | 250        | 150        |
| 9.0        | 300        | 200        |
| 9.1        | 200        | 125        |
| 9.1        | 250        | 150        |
| ※ 9.1      | 300        | 200        |
| 9.2        | 200        | 125        |
| ※ 9.2      | 250        | 150        |
| ※ 9.2      | 300        | 200        |
| 9.3        | 200        | 125        |
| ※ 9.3      | 250        | 150        |
| ※ 9.3      | 300        | 200        |
| 9.4        | 200        | 125        |
| ※ 9.4      | 250        | 150        |
| ※ 9.4      | 300        | 200        |
| 9.5        | 200        | 125        |
| 9.5        | 250        | 150        |
| 9.5        | 300        | 200        |
| ※ 9.6      | 200        | 125        |
| ※ 9.6      | 250        | 150        |
| ※ 9.6      | 300        | 200        |
| ※ 9.7      | 250        | 150        |
| ※ 9.7      | 300        | 200        |
| ※ 9.8      | 200        | 125        |
| ※ 9.8      | 250        | 150        |
| ※ 9.8      | 300        | 200        |
| ※ 9.9      | 250        | 150        |
| ※ 9.9      | 300        | 200        |
| 10.0       | 200        | 125        |
| 10.0       | 250        | 150        |
| 10.0       | 300        | 200        |
| ※ 10.1     | 250        | 150        |

| 直徑 D<br>mm | 全長 L<br>mm | 溝長 l<br>mm |
|------------|------------|------------|
| ※ 10.1     | 300        | 200        |
| ※ 10.2     | 200        | 125        |
| ※ 10.2     | 250        | 150        |
| ※ 10.2     | 300        | 200        |
| ※ 10.3     | 250        | 150        |
| ※ 10.3     | 300        | 200        |
| ※ 10.4     | 200        | 125        |
| ※ 10.4     | 250        | 150        |
| ※ 10.4     | 300        | 200        |
| 10.5       | 200        | 125        |
| 10.5       | 250        | 150        |
| 10.5       | 300        | 200        |
| ※ 10.6     | 200        | 125        |
| ※ 10.6     | 250        | 150        |
| ※ 10.6     | 300        | 200        |
| ※ 10.7     | 250        | 150        |
| ※ 10.7     | 300        | 200        |
| ※ 10.8     | 200        | 125        |
| ※ 10.8     | 250        | 150        |
| ※ 10.8     | 300        | 200        |
| ※ 10.9     | 250        | 150        |
| ※ 10.9     | 300        | 200        |
| 11.0       | 200        | 125        |
| 11.0       | 250        | 150        |
| 11.0       | 300        | 200        |
| ※ 11.1     | 250        | 150        |
| ※ 11.1     | 300        | 200        |
| ※ 11.2     | 200        | 125        |
| ※ 11.2     | 250        | 150        |
| ※ 11.2     | 300        | 200        |
| ※ 11.3     | 250        | 150        |
| ※ 11.3     | 300        | 200        |
| ※ 11.4     | 200        | 125        |
| ※ 11.4     | 250        | 150        |
| ※ 11.4     | 300        | 200        |
| 11.5       | 200        | 125        |
| 11.5       | 250        | 150        |
| 11.5       | 300        | 200        |
| ※ 11.6     | 200        | 125        |
| ※ 11.6     | 250        | 150        |

| 直徑 D<br>mm | 全長 L<br>mm | 溝長 l<br>mm |
|------------|------------|------------|
| ※ 11.6     | 300        | 200        |
| ※ 11.7     | 250        | 150        |
| ※ 11.7     | 300        | 200        |
| ※ 11.8     | 200        | 125        |
| ※ 11.8     | 250        | 150        |
| ※ 11.8     | 300        | 200        |
| ※ 11.9     | 250        | 150        |
| ※ 11.9     | 300        | 200        |
| 12.0       | 200        | 125        |
| 12.0       | 250        | 150        |
| 12.0       | 300        | 200        |
| ※ 12.1     | 250        | 150        |
| ※ 12.1     | 300        | 200        |
| ※ 12.2     | 200        | 125        |
| ※ 12.2     | 250        | 150        |
| ※ 12.2     | 300        | 200        |
| ※ 12.3     | 250        | 150        |
| ※ 12.3     | 300        | 200        |
| ※ 12.4     | 200        | 125        |
| ※ 12.4     | 250        | 150        |
| ※ 12.4     | 300        | 200        |
| 12.5       | 200        | 125        |
| 12.5       | 250        | 150        |
| 12.5       | 300        | 200        |
| ※ 12.6     | 200        | 125        |
| ※ 12.6     | 250        | 150        |
| ※ 12.6     | 300        | 200        |
| ※ 12.7     | 200        | 125        |
| ※ 12.7     | 250        | 150        |
| ※ 12.7     | 300        | 200        |
| ※ 12.8     | 200        | 125        |
| ※ 12.8     | 250        | 150        |
| ※ 12.8     | 300        | 200        |
| ※ 12.9     | 250        | 150        |
| ※ 12.9     | 300        | 200        |
| 13.0       | 200        | 125        |
| 13.0       | 250        | 150        |
| 13.0       | 300        | 200        |

※：無庫存時，依最低受注量訂製。

※：In case of no stock of desired items, production should be based on minimum quantity as specified.

切削條件請參照P43~46  
Cutting data P43~46