

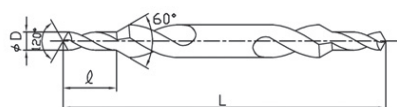
シリーズ紹介  
Introduction of Series

| シリーズ名<br>Series Name        | 形状<br>Shape  | 刃数<br>No. of<br>Flute | 型番<br>Model | 特 徴<br>Feature                                                            | 形 状<br>Shape                                                                       | サイズ<br>Size | ページ<br>Page |
|-----------------------------|--------------|-----------------------|-------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------|-------------|
| 超硬製品<br>Tungsten<br>Carbide | ドリル<br>Drill | 2                     | KCD-60      | センタードリル コートなし<br>Center Drill Non coating                                 |  | φ 0.3～φ 3   | 60          |
|                             | ドリル<br>Drill | 2                     | KCDA-60     | センタードリル TiAlN付<br>Center Drill TiAlN coating                              |  | φ 0.3～φ 3   | 60          |
|                             | ドリル<br>Drill | 2                     | KCD-90      | センタードリル コートなし<br>Center Drill Non coating                                 |  | φ 0.3～φ 3   | 61          |
|                             | ドリル<br>Drill | 2                     | KCDA-90     | センタードリル TiAlN付<br>Center Drill TiAlN coating                              |  | φ 0.3～φ 3   | 61          |
|                             | ドリル<br>Drill | 2                     | KDD-2       | 先端刃径0.05とび 面取刃付ドリル<br>0.05pitch F/D Flute Length=2～25, Groove Length=8～40 |  | φ 0.5～φ 6   | 62          |

# KCD-60

超硬センタードリル・ノンコート  
Tungsten Carbide 2 Flutes Drill (Turbo Drill)

- 先端径、太径ともネジレ角30°  
Twist Angle 30° at both Small Flute Diameter and Large Flute Diameter
- バリを抑制し高効率加工が可能。  
Possible to cut by High Efficiency without Bur



超微粒子合金 Micro Grain Tungsten Carbide



刃径の許容差 Flute Diameter Tolerance  
D 0~-0.01



柄径の許容差 Shank Diameter Tolerance  
d=3 0~-0.006  
3 < d ≤ 6 0~-0.008  
d=8 0~-0.009



ネジレ角30° 先端径、太径とも  
Twist Angle 30°  
Both Small Flute Diameter and Large Flute Diameter



先端角度120° Chamfer Angle Single 120°

- 切削条件表はP120に記載
- Cutting conditions are recommended on page 120.

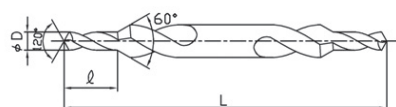
[寸法単位 : mm]  
[size : mm]

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 l<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 備考<br>Remarks |
|----------------|------------------------|----------------------|----------------------|------------------------|---------------|
| KCD-6003       | 0.3                    | 0.3                  | 60                   | 3                      |               |
| KCD-6004       | 0.4                    | 0.5                  | 60                   | 3                      |               |
| KCD-6005       | 0.5                    | 0.6                  | 60                   | 3                      |               |
| KCD-6008       | 0.8                    | 1                    | 60                   | 3                      |               |
| KCD-6010       | 1                      | 1.3                  | 60                   | 4                      |               |
| KCD-6012       | 1.2                    | 1.5                  | 60                   | 4                      |               |
| KCD-6015       | 1.5                    | 1.9                  | 60                   | 4                      |               |
| KCD-6020       | 2                      | 2.6                  | 60                   | 6                      |               |
| KCD-6020L      | 2                      | 2.6                  | 150                  | 6                      |               |
| KCD-6025       | 2.5                    | 3.2                  | 60                   | 6                      |               |
| KCD-6025L      | 2.5                    | 3.2                  | 150                  | 6                      |               |
| KCD-6030       | 3                      | 3.9                  | 70                   | 8                      |               |
| KCD-6030L      | 3                      | 3.9                  | 150                  | 8                      |               |

# KCDA-60

超硬センタードリル・TiAlN  
Tungsten Carbide 2 Flutes Drill (Turbo Drill)  
TiAlN Coating

- 先端径、太径ともネジレ角30°  
Twist Angle 30° at both Small Flute Diameter and Large Flute Diameter
- バリを抑制し高効率加工が可能。  
Possible to cut by High Efficiency without Bur



超微粒子合金 Micro Grain Tungsten Carbide



刃径の許容差 Flute Diameter Tolerance  
D 0~-0.01



柄径の許容差 Shank Diameter Tolerance  
d=3 0~-0.006  
3 < d ≤ 6 0~-0.008  
d=8 0~-0.009



ネジレ角30° 先端径、太径とも  
Twist Angle 30°  
Both Small Flute Diameter and Large Flute Diameter



先端角度120° Chamfer Angle Single 120°

TiAlNコート TiAlN コート TiAlN Coating

- 切削条件表はP120に記載
- Cutting conditions are recommended on page 120.

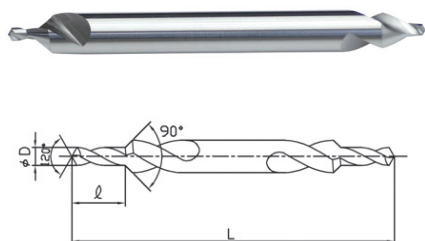
[寸法単位 : mm]  
[size : mm]

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 l<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 備考<br>Remarks |
|----------------|------------------------|----------------------|----------------------|------------------------|---------------|
| KCDA-6003      | 0.3                    | 0.3                  | 60                   | 3                      |               |
| KCDA-6004      | 0.4                    | 0.5                  | 60                   | 3                      |               |
| KCDA-6005      | 0.5                    | 0.6                  | 60                   | 3                      |               |
| KCDA-6008      | 0.8                    | 1                    | 60                   | 3                      |               |
| KCDA-6010      | 1                      | 1.3                  | 60                   | 4                      |               |
| KCDA-6012      | 1.2                    | 1.5                  | 60                   | 4                      |               |
| KCDA-6015      | 1.5                    | 1.9                  | 60                   | 4                      |               |
| KCDA-6020      | 2                      | 2.6                  | 60                   | 6                      |               |
| KCDA-6020L     | 2                      | 2.6                  | 150                  | 6                      |               |
| KCDA-6025      | 2.5                    | 3.2                  | 60                   | 6                      |               |
| KCDA-6025L     | 2.5                    | 3.2                  | 150                  | 6                      |               |
| KCDA-6030      | 3                      | 3.9                  | 70                   | 8                      |               |
| KCDA-6030L     | 3                      | 3.9                  | 150                  | 8                      |               |

# KCD-90

超硬センタードリル・ノンコート  
Tungsten Carbide 2 Flutes Drill (Turbo Drill)

- 先端径、太径ともネジレ角30°  
Twist Angle 30° at both Small Flute Diameter and Large Flute Diameter
- バリを抑制し高能率加工が可能。  
Possible to cut by High Efficiency without Bur



超微粒子合金 Micro Grain Tungsten Carbide



刃径の許容差 Flute Diameter Tolerance  
D 0～-0.01



柄径の許容差 Shank Diameter Tolerance  
d=3 0～-0.006  
3<d≤6 0～-0.008  
d=8 0～-0.009



ネジレ角30° 先端径、太径とも  
Twist Angle 30°  
Both Small Flute Diameter and Large Flute Diameter



先端角度120° Chamfer Angle Single 120°

- 切削条件表はP120に記載
- Cutting conditions are recommended on page 120.

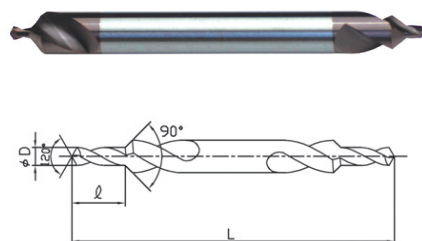
[寸法単位 : mm]  
[size : mm]

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 ℓ<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 備考<br>Remarks |
|----------------|------------------------|----------------------|----------------------|------------------------|---------------|
| KCD-9003       | 0.3                    | 0.3                  | 60                   | 3                      |               |
| KCD-9004       | 0.4                    | 0.5                  | 60                   | 3                      |               |
| KCD-9005       | 0.5                    | 0.6                  | 60                   | 3                      |               |
| KCD-9008       | 0.8                    | 1                    | 60                   | 3                      |               |
| KCD-9010       | 1                      | 1.3                  | 60                   | 4                      |               |
| KCD-9012       | 1.2                    | 1.5                  | 60                   | 4                      |               |
| KCD-9015       | 1.5                    | 1.9                  | 60                   | 4                      |               |
| KCD-9020       | 2                      | 2.6                  | 60                   | 6                      |               |
| KCD-9020L      | 2                      | 2.6                  | 150                  | 6                      |               |
| KCD-9025       | 2.5                    | 3.2                  | 60                   | 6                      |               |
| KCD-9025L      | 2.5                    | 3.2                  | 150                  | 6                      |               |
| KCD-9030       | 3                      | 3.9                  | 70                   | 8                      |               |
| KCD-9030L      | 3                      | 3.9                  | 150                  | 8                      |               |

# KCDA-90

超硬センタードリル・TiAlN  
Tungsten Carbide 2 Flutes Drill (Turbo Drill)  
TiAlN Coating

- 先端径、太径ともネジレ角30°  
Twist Angle 30° at both Small Flute Diameter and Large Flute Diameter
- バリを抑制し高能率加工が可能。  
Possible to cut by High Efficiency without Bur



超微粒子合金 Micro Grain Tungsten Carbide



刃径の許容差 Flute Diameter Tolerance  
D 0～-0.01



柄径の許容差 Shank Diameter Tolerance  
d=3 0～-0.006  
3<d≤6 0～-0.008  
d=8 0～-0.009



ネジレ角30° 先端径、太径とも  
Twist Angle 30°  
Both Small Flute Diameter and Large Flute Diameter



先端角度120° Chamfer Angle Single 120°

TiAlNコート TiAlN コート TiAlN Coating

- 切削条件表はP120に記載
- Cutting conditions are recommended on page 120.

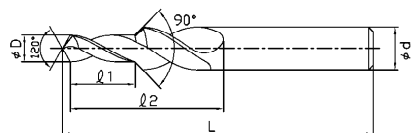
[寸法単位 : mm]  
[size : mm]

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 ℓ<br>Flute Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 備考<br>Remarks |
|----------------|------------------------|----------------------|----------------------|------------------------|---------------|
| KCDA-9003      | 0.3                    | 0.3                  | 60                   | 3                      |               |
| KCDA-9004      | 0.4                    | 0.5                  | 60                   | 3                      |               |
| KCDA-9005      | 0.5                    | 0.6                  | 60                   | 3                      |               |
| KCDA-9008      | 0.8                    | 1                    | 60                   | 3                      |               |
| KCDA-9010      | 1                      | 1.3                  | 60                   | 4                      |               |
| KCDA-9012      | 1.2                    | 1.5                  | 60                   | 4                      |               |
| KCDA-9015      | 1.5                    | 1.9                  | 60                   | 4                      |               |
| KCDA-9020      | 2                      | 2.6                  | 60                   | 6                      |               |
| KCDA-9020L     | 2                      | 2.6                  | 150                  | 6                      |               |
| KCDA-9025      | 2.5                    | 3.2                  | 60                   | 6                      |               |
| KCDA-9025L     | 2.5                    | 3.2                  | 150                  | 6                      |               |
| KCDA-9030      | 3                      | 3.9                  | 70                   | 8                      |               |
| KCDA-9030L     | 3                      | 3.9                  | 150                  | 8                      |               |

# KDD-2

## 超硬段付ドリル 90°面取刃付 Tungsten Carbide 2 Flutes Step Drill

- 先端径、太径ともネジレ角30°  
Twist Angle 30° at both Small Flute Diameter and Large Flute Diameter
- 刃径を0.05とびにラインナップ。  
Line-upped at pitch 0.05



超微粒子合金 Micro Grain Tungsten Carbide



刃径の許容差 Flute Diameter Tolerance  
D 0~-0.01



柄径の許容差 Shank Diameter Tolerance  
d=3 0~-0.006  
3<d≤6 0~-0.008  
d=8 0~-0.009



ネジレ角30° 先端径、太径とも  
Twist Angle 30°  
Both Small Flute Diameter and Large Flute Diameter



先端角度120° Chamfer Angle Single 120°  
面取角度 90° (両角) ±30°

- 切削条件表はP121に記載
- Cutting conditions are recommended on page 121.

[寸法単位 : mm]  
[size : mm]

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 L1<br>Flute Length | 溝長 L2<br>Groove Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 適用ネジ<br>Applicable Thread | 備考<br>Remarks |
|----------------|------------------------|-----------------------|------------------------|----------------------|------------------------|---------------------------|---------------|
| KDD-205002     | 0.5                    | 2                     | 8                      | 50                   | 3                      | —                         |               |
| KDD-205005     | 0.5                    | 5                     | 12                     | 50                   | 3                      | —                         |               |
| KDD-205502     | 0.55                   | 2                     | 8                      | 50                   | 3                      | —                         |               |
| KDD-205505     | 0.55                   | 5                     | 12                     | 50                   | 3                      | —                         |               |
| KDD-206002     | 0.6                    | 2                     | 8                      | 50                   | 3                      | —                         |               |
| KDD-206005     | 0.6                    | 5                     | 12                     | 50                   | 3                      | —                         |               |
| KDD-206502     | 0.65                   | 2                     | 8                      | 50                   | 3                      | —                         |               |
| KDD-206505     | 0.65                   | 5                     | 12                     | 50                   | 3                      | —                         |               |
| KDD-207002     | 0.7                    | 2                     | 8                      | 50                   | 3                      | —                         |               |
| KDD-207005     | 0.7                    | 5                     | 12                     | 50                   | 3                      | —                         |               |
| KDD-207503     | 0.75                   | 3                     | 10                     | 50                   | 3                      | M1×0.25                   |               |
| KDD-207506     | 0.75                   | 6                     | 15                     | 50                   | 3                      | M1×0.25                   |               |
| KDD-208003     | 0.8                    | 3                     | 10                     | 50                   | 3                      | M1×0.2                    |               |
| KDD-208006     | 0.8                    | 6                     | 15                     | 50                   | 3                      | M1×0.2                    |               |
| KDD-208503     | 0.85                   | 3                     | 10                     | 50                   | 3                      | M1.1×0.25                 |               |
| KDD-208506     | 0.85                   | 6                     | 15                     | 50                   | 3                      | M1.1×0.25                 |               |
| KDD-209003     | 0.9                    | 3                     | 10                     | 50                   | 3                      | M1.1×0.2                  |               |
| KDD-209006     | 0.9                    | 6                     | 15                     | 50                   | 3                      | M1.1×0.2                  |               |
| KDD-209503     | 0.95                   | 3                     | 10                     | 50                   | 3                      | M1.2×0.25                 |               |
| KDD-209506     | 0.95                   | 6                     | 15                     | 50                   | 3                      | M1.2×0.25                 |               |
| KDD-210003     | 1                      | 3                     | 10                     | 50                   | 3                      | M1.2×0.2                  |               |
| KDD-210006     | 1                      | 6                     | 15                     | 50                   | 3                      | M1.2×0.2                  |               |

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 L1<br>Flute Length | 溝長 L2<br>Groove Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 適用ネジ<br>Applicable Thread | 備考<br>Remarks |
|----------------|------------------------|-----------------------|------------------------|----------------------|------------------------|---------------------------|---------------|
| KDD-210503     | 1.05                   | 3                     | 10                     | 50                   | 3                      |                           |               |
| KDD-210506     | 1.05                   | 6                     | 15                     | 50                   | 3                      |                           |               |
| KDD-211003     | 1.1                    | 3                     | 10                     | 50                   | 3                      | M1.4×0.3                  |               |
| KDD-211006     | 1.1                    | 6                     | 15                     | 50                   | 3                      | M1.4×0.3                  |               |
| KDD-211503     | 1.15                   | 3                     | 10                     | 50                   | 3                      |                           |               |
| KDD-211506     | 1.15                   | 6                     | 15                     | 50                   | 3                      |                           |               |
| KDD-212003     | 1.2                    | 3                     | 10                     | 50                   | 3                      | M1.4×0.2                  |               |
| KDD-212006     | 1.2                    | 6                     | 15                     | 50                   | 3                      | M1.4×0.2                  |               |
| KDD-212503     | 1.25                   | 3                     | 10                     | 50                   | 3                      | M1.6×0.35                 |               |
| KDD-212506     | 1.25                   | 6                     | 15                     | 50                   | 3                      | M1.6×0.35                 |               |
| KDD-213003     | 1.3                    | 3                     | 10                     | 50                   | 3                      |                           |               |
| KDD-213006     | 1.3                    | 6                     | 15                     | 50                   | 3                      |                           |               |
| KDD-213503     | 1.35                   | 3                     | 10                     | 50                   | 3                      |                           |               |
| KDD-213506     | 1.35                   | 6                     | 15                     | 50                   | 3                      |                           |               |
| KDD-214003     | 1.4                    | 3                     | 10                     | 50                   | 3                      | M1.6×0.2                  |               |
| KDD-214006     | 1.4                    | 6                     | 15                     | 50                   | 3                      | M1.7×0.3                  |               |
| KDD-214503     | 1.45                   | 3                     | 10                     | 50                   | 3                      |                           |               |
| KDD-214506     | 1.45                   | 6                     | 15                     | 50                   | 3                      |                           |               |
| KDD-215003     | 1.5                    | 3                     | 10                     | 50                   | 3                      | M1.7×0.2                  |               |
| KDD-215006     | 1.5                    | 6                     | 15                     | 50                   | 3                      | M1.7×0.2                  |               |
| KDD-215503     | 1.55                   | 3                     | 10                     | 50                   | 3                      |                           |               |
| KDD-215506     | 1.55                   | 6                     | 15                     | 50                   | 3                      |                           |               |
| KDD-216005     | 1.6                    | 5                     | 15                     | 60                   | 4                      | M1.8×0.2                  |               |
| KDD-216010     | 1.6                    | 10                    | 20                     | 60                   | 4                      | M1.8×0.2                  |               |
| KDD-216505     | 1.65                   | 5                     | 15                     | 60                   | 4                      |                           |               |
| KDD-216510     | 1.65                   | 10                    | 20                     | 60                   | 4                      |                           |               |
| KDD-217005     | 1.7                    | 5                     | 15                     | 60                   | 4                      |                           |               |
| KDD-217010     | 1.7                    | 10                    | 20                     | 60                   | 4                      |                           |               |
| KDD-217505     | 1.75                   | 5                     | 15                     | 60                   | 4                      | M2×0.25                   |               |
| KDD-217510     | 1.75                   | 10                    | 20                     | 60                   | 4                      | M2.2×0.45                 |               |
| KDD-218005     | 1.8                    | 5                     | 15                     | 60                   | 4                      |                           |               |
| KDD-218010     | 1.8                    | 10                    | 20                     | 60                   | 4                      |                           |               |
| KDD-218505     | 1.85                   | 5                     | 15                     | 60                   | 4                      |                           |               |
| KDD-218510     | 1.85                   | 10                    | 20                     | 60                   | 4                      |                           |               |
| KDD-219005     | 1.9                    | 5                     | 15                     | 60                   | 4                      |                           |               |
| KDD-219010     | 1.9                    | 10                    | 20                     | 60                   | 4                      |                           |               |
| KDD-219505     | 1.95                   | 5                     | 15                     | 60                   | 4                      | M2.2×0.25                 |               |
| KDD-219510     | 1.95                   | 10                    | 20                     | 60                   | 4                      | M2.3×0.35                 |               |
| KDD-220005     | 2                      | 5                     | 15                     | 60                   | 4                      |                           |               |
| KDD-220010     | 2                      | 10                    | 20                     | 60                   | 4                      |                           |               |
| KDD-220505     | 2.05                   | 5                     | 15                     | 60                   | 4                      |                           |               |
| KDD-220510     | 2.05                   | 10                    | 20                     | 60                   | 4                      |                           |               |
| KDD-221006     | 2.1                    | 6                     | 15                     | 60                   | 4                      | M2.5×0.45                 |               |
| KDD-221012     | 2.1                    | 12                    | 20                     | 60                   | 4                      | M2.5×0.45                 |               |
| KDD-221506     | 2.15                   | 6                     | 15                     | 60                   | 4                      |                           |               |
| KDD-221512     | 2.15                   | 12                    | 20                     | 60                   | 4                      |                           |               |
| KDD-222006     | 2.2                    | 6                     | 15                     | 60                   | 4                      | M2.5×0.35                 |               |
| KDD-222012     | 2.2                    | 12                    | 20                     | 60                   | 4                      | M2.6×0.45                 |               |

# KDD-2

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 ℓ1<br>Flute Length | 溝長 ℓ2<br>Groove Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 適用ネジ<br>Applicable Thread | 備考<br>Remarks |
|----------------|------------------------|-----------------------|------------------------|----------------------|------------------------|---------------------------|---------------|
| KDD-222506     | 2.25                   | 6                     | 15                     | 60                   | 4                      |                           |               |
| KDD-222512     | 2.25                   | 12                    | 20                     | 60                   | 4                      |                           |               |
| KDD-223006     | 2.3                    | 6                     | 15                     | 60                   | 4                      |                           |               |
| KDD-223012     | 2.3                    | 12                    | 20                     | 60                   | 4                      |                           |               |
| KDD-223506     | 2.35                   | 6                     | 15                     | 60                   | 4                      |                           |               |
| KDD-223512     | 2.35                   | 12                    | 20                     | 60                   | 4                      |                           |               |
| KDD-224006     | 2.4                    | 6                     | 15                     | 60                   | 4                      | M2.6×0.35                 |               |
| KDD-224012     | 2.4                    | 12                    | 20                     | 60                   | 4                      | M2.6×0.35                 |               |
| KDD-224506     | 2.45                   | 6                     | 15                     | 60                   | 4                      |                           |               |
| KDD-224512     | 2.45                   | 12                    | 20                     | 60                   | 4                      |                           |               |
| KDD-225006     | 2.5                    | 6                     | 15                     | 70                   | 6                      | M3×0.5                    |               |
| KDD-225012     | 2.5                    | 12                    | 20                     | 70                   | 6                      | M3×0.5                    |               |
| KDD-225506     | 2.55                   | 6                     | 15                     | 70                   | 6                      |                           |               |
| KDD-225512     | 2.55                   | 12                    | 20                     | 70                   | 6                      |                           |               |
| KDD-226006     | 2.6                    | 6                     | 15                     | 70                   | 6                      |                           |               |
| KDD-226012     | 2.6                    | 12                    | 20                     | 70                   | 6                      |                           |               |
| KDD-226510     | 2.65                   | 10                    | 25                     | 70                   | 6                      | M3×0.35                   |               |
| KDD-226520     | 2.65                   | 20                    | 35                     | 70                   | 6                      | M3×0.35                   |               |
| KDD-227010     | 2.7                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-227020     | 2.7                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-227510     | 2.75                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-227520     | 2.75                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-228010     | 2.8                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-228020     | 2.8                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-228510     | 2.85                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-228520     | 2.85                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-229010     | 2.9                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-229020     | 2.9                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-229510     | 2.95                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-229520     | 2.95                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-230010     | 3                      | 10                    | 25                     | 70                   | 6                      | M3.5×0.6                  |               |
| KDD-230020     | 3                      | 20                    | 35                     | 70                   | 6                      | M3.5×0.6                  |               |
| KDD-230510     | 3.05                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-230520     | 3.05                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-231010     | 3.1                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-231020     | 3.1                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-231510     | 3.15                   | 10                    | 25                     | 70                   | 6                      | M3.5×0.35                 |               |
| KDD-231520     | 3.15                   | 20                    | 35                     | 70                   | 6                      | M3.5×0.35                 |               |
| KDD-232010     | 3.2                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-232020     | 3.2                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-232510     | 3.25                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-232520     | 3.25                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-233010     | 3.3                    | 10                    | 25                     | 70                   | 6                      | M4×0.7                    |               |
| KDD-233020     | 3.3                    | 20                    | 35                     | 70                   | 6                      | M4×0.7                    |               |
| KDD-233510     | 3.35                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-233520     | 3.35                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-234010     | 3.4                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-234020     | 3.4                    | 20                    | 35                     | 70                   | 6                      |                           |               |

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 ℓ1<br>Flute Length | 溝長 ℓ2<br>Groove Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 適用ネジ<br>Applicable Thread | 備考<br>Remarks |
|----------------|------------------------|-----------------------|------------------------|----------------------|------------------------|---------------------------|---------------|
| KDD-234510     | 3.45                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-234520     | 3.45                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-235010     | 3.5                    | 10                    | 25                     | 70                   | 6                      | M4×0.5                    |               |
| KDD-235020     | 3.5                    | 20                    | 35                     | 70                   | 6                      | M4×0.5                    |               |
| KDD-235510     | 3.55                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-235520     | 3.55                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-236010     | 3.6                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-236020     | 3.6                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-236510     | 3.65                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-236520     | 3.65                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-237010     | 3.7                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-237020     | 3.7                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-237510     | 3.75                   | 10                    | 25                     | 70                   | 6                      | M4.5×0.75                 |               |
| KDD-237520     | 3.75                   | 20                    | 35                     | 70                   | 6                      | M4.5×0.75                 |               |
| KDD-238010     | 3.8                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-238020     | 3.8                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-238510     | 3.85                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-238520     | 3.85                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-239010     | 3.9                    | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-239020     | 3.9                    | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-239510     | 3.95                   | 10                    | 25                     | 70                   | 6                      |                           |               |
| KDD-239520     | 3.95                   | 20                    | 35                     | 70                   | 6                      |                           |               |
| KDD-240010     | 4                      | 10                    | 25                     | 80                   | 8                      | M4.5×0.5                  |               |
| KDD-240020     | 4                      | 20                    | 35                     | 80                   | 8                      | M4.5×0.5                  |               |
| KDD-240510     | 4.05                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-240520     | 4.05                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-241010     | 4.1                    | 10                    | 25                     | 80                   | 8                      | M5×0.9                    |               |
| KDD-241020     | 4.1                    | 20                    | 35                     | 80                   | 8                      | M5×0.9                    |               |
| KDD-241510     | 4.15                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-241520     | 4.15                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-242010     | 4.2                    | 10                    | 25                     | 80                   | 8                      | M5×0.8                    |               |
| KDD-242020     | 4.2                    | 20                    | 35                     | 80                   | 8                      | M5×0.8                    |               |
| KDD-242510     | 4.25                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-242520     | 4.25                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-243010     | 4.3                    | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-243020     | 4.3                    | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-243510     | 4.35                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-243520     | 4.35                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-244010     | 4.4                    | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-244020     | 4.4                    | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-244510     | 4.45                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-244520     | 4.45                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-245010     | 4.5                    | 10                    | 25                     | 80                   | 8                      | M5×0.5                    |               |
| KDD-245020     | 4.5                    | 20                    | 35                     | 80                   | 8                      | M5×0.5                    |               |
| KDD-245510     | 4.55                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-245520     | 4.55                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-246010     | 4.6                    | 10                    | 25                     | 80                   | 8                      | M5.5×0.9                  |               |
| KDD-246020     | 4.6                    | 20                    | 35                     | 80                   | 8                      | M5.5×0.9                  |               |

# KDD-2

| 品番<br>Code No. | 刃径 D<br>Flute Diameter | 刃長 ℓ1<br>Flute Length | 溝長 ℓ2<br>Groove Length | 全長 L<br>Total Length | 柄径 d<br>Shank Diameter | 適用ネジ<br>Applicable Thread | 備考<br>Remarks |
|----------------|------------------------|-----------------------|------------------------|----------------------|------------------------|---------------------------|---------------|
| KDD-246510     | 4.65                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-246520     | 4.65                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-247010     | 4.7                    | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-247020     | 4.7                    | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-247510     | 4.75                   | 10                    | 25                     | 80                   | 8                      | M5.5×0.75                 |               |
| KDD-247520     | 4.75                   | 20                    | 35                     | 80                   | 8                      | M5.5×0.75                 |               |
| KDD-248010     | 4.8                    | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-248020     | 4.8                    | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-248510     | 4.85                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-248520     | 4.85                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-249010     | 4.9                    | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-249020     | 4.9                    | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-249510     | 4.95                   | 10                    | 25                     | 80                   | 8                      |                           |               |
| KDD-249520     | 4.95                   | 20                    | 35                     | 80                   | 8                      |                           |               |
| KDD-250015     | 5                      | 15                    | 30                     | 80                   | 8                      | M5.5×0.5                  |               |
| KDD-250025     | 5                      | 25                    | 40                     | 80                   | 8                      | M6×1                      |               |
| KDD-250515     | 5.05                   | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-250525     | 5.05                   | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-251015     | 5.1                    | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-251025     | 5.1                    | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-251515     | 5.15                   | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-251525     | 5.15                   | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-252015     | 5.2                    | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-252025     | 5.2                    | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-252515     | 5.25                   | 15                    | 30                     | 80                   | 8                      | M6×0.75                   |               |
| KDD-252525     | 5.25                   | 25                    | 40                     | 80                   | 8                      | M6×0.75                   |               |
| KDD-253015     | 5.3                    | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-253025     | 5.3                    | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-253515     | 5.35                   | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-253525     | 5.35                   | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-254015     | 5.4                    | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-254025     | 5.4                    | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-254515     | 5.45                   | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-254525     | 5.45                   | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-255015     | 5.5                    | 15                    | 30                     | 80                   | 8                      | M6×0.5                    |               |
| KDD-255025     | 5.5                    | 25                    | 40                     | 80                   | 8                      | M6×0.5                    |               |
| KDD-255515     | 5.55                   | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-255525     | 5.55                   | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-256015     | 5.6                    | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-256025     | 5.6                    | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-256515     | 5.65                   | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-256525     | 5.65                   | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-257015     | 5.7                    | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-257025     | 5.7                    | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-257515     | 5.75                   | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-257525     | 5.75                   | 25                    | 40                     | 80                   | 8                      |                           |               |
| KDD-258015     | 5.8                    | 15                    | 30                     | 80                   | 8                      |                           |               |
| KDD-258025     | 5.8                    | 25                    | 40                     | 80                   | 8                      |                           |               |

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