

# CARBIDE



Being the best through innovation



# DREAM DRILLS -SOFT

- 不带油孔  
用于中等硬度钢

**WITHOUT COOLANT HOLES**  
for Steels, up to Medium Hardness

# SELECTION GUIDE

整体硬质合金梦幻钻头-软材质用 (不带油孔)  
用于中等硬度钢

| 项目                                        | 型号                                                                                | 规格                                                             | 尺寸   |       | 页         |
|-------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------|------|-------|-----------|
|                                           |                                                                                   |                                                                | 最小   | 最大    |           |
| ITEM                                      | MODEL                                                                             | DESCRIPTION                                                    | SIZE |       | PAGE      |
|                                           |                                                                                   |                                                                | MIN  | MAX   |           |
| <b>DPPA01</b>                             |  | 硬质合金梦幻钻头-软材质用<br>CARBIDE, DREAM DRILLS - SOFT<br>常规<br>REGULAR | D1.0 | D20.0 | <b>66</b> |
| <b>DPPA02</b>                             |  | 硬质合金梦幻钻头-软材质用<br>CARBIDE, DREAM DRILLS - SOFT<br>长<br>LONG     | D3.0 | D20.0 | <b>69</b> |
| 推荐的切削条件<br>RECOMMENDED CUTTING CONDITIONS |                                                                                   |                                                                |      |       | <b>71</b> |

# SOLID CARBIDE DREAM DRILLS-SOFT

## SOLID CARBIDE DREAM DRILLS - SOFT (without Coolant Holes)

for Steels, up to Medium Hardness

◎ : 优(Excellent)  
○ : 良(Good)

| 碳钢            | 合金钢          | 预硬钢                | 硬化钢             |        | 铸铁        | 铝        | 不锈钢              | 钛        | 低碳钢         | 铜      | 青铜     |
|---------------|--------------|--------------------|-----------------|--------|-----------|----------|------------------|----------|-------------|--------|--------|
| Carbon Steels | Alloy Steels | Prehardened Steels | Hardened Steels |        | Cast Iron | Aluminum | Stainless Steels | Titanium | Mild Steels | Copper | Bronze |
| ~HB225        | HB225~325    | HRc30~45           | HRc45~55        | HRc55~ |           |          |                  |          |             |        |        |
| ◎             | ◎            | ○                  |                 |        | ○         |          | ○                |          | ◎           |        |        |
| ◎             | ◎            | ○                  |                 |        | ○         |          | ○                |          | ◎           |        |        |


**DREAM DRILLS  
-SOFT**
**DPPA01 SERIES**

# 硬质合金, 梦幻钻头-软材质用

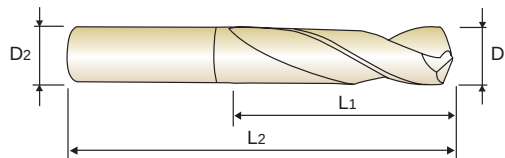
## CARBIDE, DREAM DRILLS-SOFT

常规

REGULAR

- 应用：可以在普通钢，碳钢，合金钢，铸铁及球墨铸铁  
 ► 优点：自定心功能 - 可免除定心钻  
           出色的定位 - 不需要导套  
           特殊的设计 - 良好的排屑性能  
                           - 强力钻削

- **Application** : Drilling steels in general, carbon steels, alloy steels, cast iron, ductile cast iron.  
 ► **Advantage** : Self centering - center drilling is not required.  
                   Excellent positioning - bush is not necessary.  
                   Special Design - good chip removal  
                                       - powerful drilling

up to 1.5mm     $\varnothing 1.6 \sim \varnothing 1.9$     over 1.9mm

P.71

单位(Unit) : mm

| 型号<br>EDP No. | 刃径<br>Drill Diameter | 柄径<br>Shank Diameter | 刃长<br>Flute Length | 全长<br>Overall Length |
|---------------|----------------------|----------------------|--------------------|----------------------|
| TiAlN         | D1                   | D2                   | L1                 | L2                   |
| DPPA01010     | 1.0                  | 3                    | 8                  | 38                   |
| DPPA01011     | 1.1                  | 3                    | 9                  | 42                   |
| DPPA01012     | 1.2                  | 3                    | 10                 | 42                   |
| DPPA01013     | 1.3                  | 3                    | 10                 | 42                   |
| DPPA01014     | 1.4                  | 3                    | 11                 | 42                   |
| DPPA01015     | 1.5                  | 3                    | 11                 | 42                   |
| DPPA01016     | 1.6                  | 3                    | 12                 | 42                   |
| DPPA01017     | 1.7                  | 3                    | 12                 | 42                   |
| DPPA01018     | 1.8                  | 3                    | 13                 | 42                   |
| DPPA01019     | 1.9                  | 3                    | 13                 | 42                   |
| DPPA01020     | 2.0                  | 3                    | 17                 | 50                   |
| DPPA01021     | 2.1                  | 3                    | 17                 | 50                   |
| DPPA01022     | 2.2                  | 3                    | 17                 | 50                   |
| DPPA01023     | 2.3                  | 3                    | 17                 | 50                   |
| DPPA01024     | 2.4                  | 3                    | 17                 | 50                   |
| DPPA01025     | 2.5                  | 3                    | 17                 | 50                   |
| DPPA01026     | 2.6                  | 3                    | 17                 | 50                   |
| DPPA01027     | 2.7                  | 3                    | 17                 | 50                   |
| DPPA01028     | 2.8                  | 3                    | 17                 | 50                   |
| DPPA01029     | 2.9                  | 3                    | 17                 | 50                   |
| DPPA01030     | 3.0                  | 4                    | 20                 | 55                   |
| DPPA01031     | 3.1                  | 4                    | 20                 | 55                   |

| 型号<br>EDP No. | 刃径<br>Drill Diameter | 柄径<br>Shank Diameter | 刃长<br>Flute Length | 全长<br>Overall Length |
|---------------|----------------------|----------------------|--------------------|----------------------|
| TiAlN         | D1                   | D2                   | L1                 | L2                   |
| DPPA01032     | 3.2                  | 4                    | 20                 | 55                   |
| DPPA01033     | 3.3                  | 4                    | 20                 | 55                   |
| DPPA01034     | 3.4                  | 4                    | 20                 | 55                   |
| DPPA01035     | 3.5                  | 4                    | 20                 | 55                   |
| DPPA01036     | 3.6                  | 4                    | 25                 | 55                   |
| DPPA01037     | 3.7                  | 4                    | 25                 | 55                   |
| DPPA01038     | 3.8                  | 4                    | 25                 | 55                   |
| DPPA01039     | 3.9                  | 4                    | 25                 | 55                   |
| DPPA01040     | 4.0                  | 4                    | 25                 | 55                   |
| DPPA01041     | 4.1                  | 4                    | 25                 | 55                   |
| DPPA01042     | 4.2                  | 5                    | 32                 | 62                   |
| DPPA01043     | 4.3                  | 5                    | 32                 | 62                   |
| DPPA01044     | 4.4                  | 5                    | 32                 | 62                   |
| DPPA01045     | 4.5                  | 5                    | 32                 | 62                   |
| DPPA01046     | 4.6                  | 5                    | 32                 | 62                   |
| DPPA01047     | 4.7                  | 5                    | 32                 | 62                   |
| DPPA01048     | 4.8                  | 5                    | 32                 | 62                   |
| DPPA01049     | 4.9                  | 5                    | 32                 | 62                   |
| DPPA01050     | 5.0                  | 5                    | 32                 | 62                   |
| DPPA01051     | 5.1                  | 5                    | 32                 | 62                   |
| DPPA01052     | 5.2                  | 6                    | 36                 | 66                   |
| DPPA01053     | 5.3                  | 6                    | 36                 | 66                   |

► 其他的刀柄类型可以按照你的要求。 / Other shank types are available on your request.

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|---------------------|---------------------|---------------------------|------------------------|--------|-----------------|---------------|-------------------------|---------------|--------------------|-------------|--------------|
| ~HB225              | HB225~325           | HRC30~45                  | HRC45~55               | HRC55~ |                 |               |                         |               |                    |             |              |
| ◎                   | ◎                   | ○                         |                        |        | ○               |               | ○                       |               | ◎                  |             |              |



DPPA01 SERIES

# 硬质合金, 梦幻钻头-软材质用

## CARBIDE, DREAM DRILLS-SOFT

常规

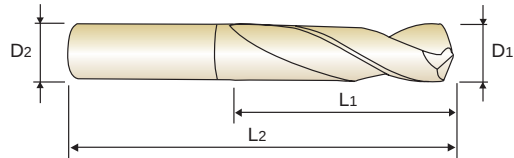
REGULAR

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up to 1.5mm Ø1.6~Ø1.9 over 1.9mm



单位(Unit) : mm

| 型号        | 刃径             | 柄径             | 刃长           | 全长             | 型号        | 刃径             | 柄径             | 刃长           | 全长             |
|-----------|----------------|----------------|--------------|----------------|-----------|----------------|----------------|--------------|----------------|
| EDP No.   | Drill Diameter | Shank Diameter | Flute Length | Overall Length | EDP No.   | Drill Diameter | Shank Diameter | Flute Length | Overall Length |
| TiAlN     | D1             | D2             | L1           | L2             | TiAlN     | D1             | D2             | L1           | L2             |
| DPPA01054 | 5.4            | 6              | 36           | 66             | DPPA01076 | 7.6            | 8              | 46           | 79             |
| DPPA01055 | 5.5            | 6              | 36           | 66             | DPPA01077 | 7.7            | 8              | 46           | 79             |
| DPPA01056 | 5.6            | 6              | 36           | 66             | DPPA01078 | 7.8            | 8              | 46           | 79             |
| DPPA01057 | 5.7            | 6              | 36           | 66             | DPPA01079 | 7.9            | 8              | 46           | 79             |
| DPPA01058 | 5.8            | 6              | 36           | 66             | DPPA01080 | 8.0            | 8              | 46           | 79             |
| DPPA01059 | 5.9            | 6              | 36           | 66             | DPPA01081 | 8.1            | 8              | 46           | 79             |
| DPPA01060 | 6.0            | 6              | 36           | 66             | DPPA01082 | 8.2            | 9              | 50           | 84             |
| DPPA01061 | 6.1            | 6              | 36           | 66             | DPPA01083 | 8.3            | 9              | 50           | 84             |
| DPPA01062 | 6.2            | 7              | 42           | 74             | DPPA01084 | 8.4            | 9              | 50           | 84             |
| DPPA01063 | 6.3            | 7              | 42           | 74             | DPPA01085 | 8.5            | 9              | 50           | 84             |
| DPPA01064 | 6.4            | 7              | 42           | 74             | DPPA01086 | 8.6            | 9              | 50           | 84             |
| DPPA01065 | 6.5            | 7              | 42           | 74             | DPPA01087 | 8.7            | 9              | 50           | 84             |
| DPPA01066 | 6.6            | 7              | 42           | 74             | DPPA01088 | 8.8            | 9              | 50           | 84             |
| DPPA01067 | 6.7            | 7              | 42           | 74             | DPPA01089 | 8.9            | 9              | 50           | 84             |
| DPPA01068 | 6.8            | 7              | 42           | 74             | DPPA01090 | 9.0            | 9              | 50           | 84             |
| DPPA01069 | 6.9            | 7              | 42           | 74             | DPPA01091 | 9.1            | 9              | 50           | 84             |
| DPPA01070 | 7.0            | 7              | 42           | 74             | DPPA01092 | 9.2            | 10             | 53           | 89             |
| DPPA01071 | 7.1            | 7              | 42           | 74             | DPPA01093 | 9.3            | 10             | 53           | 89             |
| DPPA01072 | 7.2            | 8              | 46           | 79             | DPPA01094 | 9.4            | 10             | 53           | 89             |
| DPPA01073 | 7.3            | 8              | 46           | 79             | DPPA01095 | 9.5            | 10             | 53           | 89             |
| DPPA01074 | 7.4            | 8              | 46           | 79             | DPPA01096 | 9.6            | 10             | 53           | 89             |
| DPPA01075 | 7.5            | 8              | 46           | 79             | DPPA01097 | 9.7            | 10             | 53           | 89             |

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| ◎             | ◎            | ○                  |                 |        | ○         |          | ○                |          | ◎           |        |        |

I-DREAM DRILLS

DREAM DRILLS -GENERAL

DREAM DRILLS -SOFT

DREAM DRILLS -INOX

DREAM DRILLS -MQL TYPE

DREAM DRILLS for HARDENED STEELS

GENERAL CARBIDE DRILLS

NC-SPOTTING DRILLS

MULTI-1 DRILLS

HPD DRILLS

GOLD-P DRILLS

WORM PATTERN DRILLS

STRAIGHT SHANK DRILLS

TAPER SHANK DRILLS

NC-SPOTTING DRILLS

CENTER DRILLS

SPADE DRILLS

TECHNICAL DATA


**DREAM DRILLS  
-SOFT**
**DPPA01 SERIES**

# 硬质合金, 梦幻钻头-软材质用

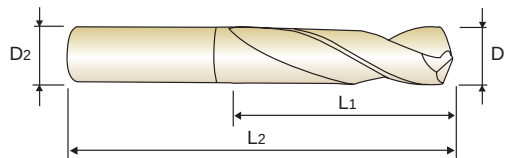
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|---------------|----------------------|----------------------|--------------------|----------------------|
| TiAlN         | D1                   | D2                   | L1                 | L2                   |
| DPPA01098     | 9.8                  | 10                   | 53                 | 89                   |
| DPPA01099     | 9.9                  | 10                   | 53                 | 89                   |
| DPPA01100     | 10.0                 | 10                   | 53                 | 89                   |
| DPPA01101     | 10.1                 | 10                   | 53                 | 89                   |
| DPPA01102     | 10.2                 | 11                   | 55                 | 95                   |
| DPPA01103     | 10.3                 | 11                   | 55                 | 95                   |
| DPPA01104     | 10.4                 | 11                   | 55                 | 95                   |
| DPPA01105     | 10.5                 | 11                   | 55                 | 95                   |
| DPPA01106     | 10.6                 | 11                   | 55                 | 95                   |
| DPPA01107     | 10.7                 | 11                   | 55                 | 95                   |
| DPPA01108     | 10.8                 | 11                   | 55                 | 95                   |
| DPPA01109     | 10.9                 | 11                   | 55                 | 95                   |
| DPPA01110     | 11.0                 | 11                   | 55                 | 95                   |
| DPPA01111     | 11.1                 | 11                   | 55                 | 95                   |
| DPPA01112     | 11.2                 | 12                   | 62                 | 102                  |
| DPPA01113     | 11.3                 | 12                   | 62                 | 102                  |
| DPPA01114     | 11.4                 | 12                   | 62                 | 102                  |
| DPPA01115     | 11.5                 | 12                   | 62                 | 102                  |
| DPPA01116     | 11.6                 | 12                   | 62                 | 102                  |
| DPPA01117     | 11.7                 | 12                   | 62                 | 102                  |

| 型号<br>EDP No. | 刃径<br>Drill Diameter | 柄径<br>Shank Diameter | 刃长<br>Flute Length | 全长<br>Overall Length |
|---------------|----------------------|----------------------|--------------------|----------------------|
| TiAlN         | D1                   | D2                   | L1                 | L2                   |
| DPPA01118     | 11.8                 | 12                   | 62                 | 102                  |
| DPPA01119     | 11.9                 | 12                   | 62                 | 102                  |
| DPPA01120     | 12.0                 | 12                   | 62                 | 102                  |
| DPPA01125     | 12.5                 | 13                   | 62                 | 102                  |
| DPPA01130     | 13.0                 | 13                   | 62                 | 102                  |
| DPPA01135     | 13.5                 | 14                   | 64                 | 107                  |
| DPPA01140     | 14.0                 | 14                   | 64                 | 107                  |
| DPPA01145     | 14.5                 | 15                   | 67                 | 111                  |
| DPPA01150     | 15.0                 | 15                   | 67                 | 111                  |
| DPPA01155     | 15.5                 | 16                   | 69                 | 115                  |
| DPPA01160     | 16.0                 | 16                   | 69                 | 115                  |
| DPPA01165     | 16.5                 | 17                   | 71                 | 119                  |
| DPPA01170     | 17.0                 | 17                   | 71                 | 119                  |
| DPPA01175     | 17.5                 | 18                   | 74                 | 123                  |
| DPPA01180     | 18.0                 | 18                   | 74                 | 123                  |
| DPPA01185     | 18.5                 | 19                   | 76                 | 127                  |
| DPPA01190     | 19.0                 | 19                   | 76                 | 127                  |
| DPPA01195     | 19.5                 | 20                   | 80                 | 131                  |
| DPPA01200     | 20.0                 | 20                   | 80                 | 131                  |

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|---------------------|---------------------|---------------------------|------------------------|--------|-----------------|---------------|-------------------------|---------------|--------------------|-------------|--------------|
| ~HB225              | HB225~325           | HRc30~45                  | HRc45~55               | HRc55~ |                 |               |                         |               |                    |             |              |
| ◎                   | ◎                   | ○                         |                        |        | ○               |               | ○                       |               | ◎                  |             |              |

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## CARBIDE, DREAM DRILLS-SOFT

长

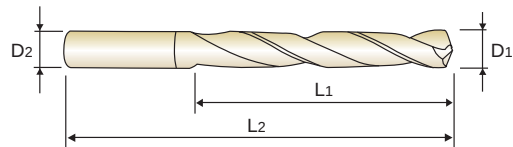
LONG

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|-----------|----------------|----------------|--------------|----------------|-----------|----------------|----------------|--------------|----------------|
| EDP No.   | Drill Diameter | Shank Diameter | Flute Length | Overall Length | EDP No.   | Drill Diameter | Shank Diameter | Flute Length | Overall Length |
| TiAlN     | D1             | D2             | L1           | L2             | TiAlN     | D1             | D2             | L1           | L2             |
| DPPA02030 | 3.0            | 4              | 45           | 80             | DPPA02057 | 5.7            | 6              | 50           | 83             |
| DPPA02031 | 3.1            | 4              | 45           | 80             | DPPA02058 | 5.8            | 6              | 50           | 83             |
| DPPA02032 | 3.2            | 4              | 45           | 80             | DPPA02059 | 5.9            | 6              | 50           | 83             |
| DPPA02033 | 3.3            | 4              | 45           | 80             | DPPA02060 | 6.0            | 6              | 50           | 83             |
| DPPA02034 | 3.4            | 4              | 45           | 80             | DPPA02061 | 6.1            | 6              | 50           | 83             |
| DPPA02035 | 3.5            | 4              | 45           | 80             | DPPA02062 | 6.2            | 7              | 53           | 85             |
| DPPA02036 | 3.6            | 4              | 45           | 80             | DPPA02063 | 6.3            | 7              | 53           | 85             |
| DPPA02037 | 3.7            | 4              | 45           | 80             | DPPA02064 | 6.4            | 7              | 53           | 85             |
| DPPA02038 | 3.8            | 4              | 45           | 80             | DPPA02065 | 6.5            | 7              | 53           | 85             |
| DPPA02039 | 3.9            | 4              | 45           | 80             | DPPA02066 | 6.6            | 7              | 53           | 85             |
| DPPA02040 | 4.0            | 4              | 45           | 80             | DPPA02067 | 6.7            | 7              | 53           | 85             |
| DPPA02041 | 4.1            | 4              | 45           | 80             | DPPA02068 | 6.8            | 7              | 53           | 85             |
| DPPA02042 | 4.2            | 5              | 45           | 80             | DPPA02069 | 6.9            | 7              | 53           | 85             |
| DPPA02043 | 4.3            | 5              | 45           | 80             | DPPA02070 | 7.0            | 7              | 53           | 85             |
| DPPA02044 | 4.4            | 5              | 45           | 80             | DPPA02071 | 7.1            | 7              | 53           | 85             |
| DPPA02045 | 4.5            | 5              | 45           | 80             | DPPA02072 | 7.2            | 8              | 58           | 90             |
| DPPA02046 | 4.6            | 5              | 45           | 80             | DPPA02073 | 7.3            | 8              | 58           | 90             |
| DPPA02047 | 4.7            | 5              | 45           | 80             | DPPA02074 | 7.4            | 8              | 58           | 90             |
| DPPA02048 | 4.8            | 5              | 45           | 80             | DPPA02075 | 7.5            | 8              | 58           | 90             |
| DPPA02049 | 4.9            | 5              | 45           | 80             | DPPA02076 | 7.6            | 8              | 58           | 90             |
| DPPA02050 | 5.0            | 5              | 45           | 80             | DPPA02077 | 7.7            | 8              | 58           | 90             |
| DPPA02051 | 5.1            | 5              | 45           | 80             | DPPA02078 | 7.8            | 8              | 58           | 90             |
| DPPA02052 | 5.2            | 6              | 50           | 83             | DPPA02079 | 7.9            | 8              | 58           | 90             |
| DPPA02053 | 5.3            | 6              | 50           | 83             | DPPA02080 | 8.0            | 8              | 58           | 90             |
| DPPA02054 | 5.4            | 6              | 50           | 83             | DPPA02081 | 8.1            | 8              | 58           | 90             |
| DPPA02055 | 5.5            | 6              | 50           | 83             | DPPA02082 | 8.2            | 9              | 64           | 98             |
| DPPA02056 | 5.6            | 6              | 50           | 83             | DPPA02083 | 8.3            | 9              | 64           | 98             |

► 其他的刀柄类型可以按照你的要求。 / Other shank types are available on your request.

◎ : 优(Excellent) ○ : 良(Good)

| 碳钢            | 合金钢          | 预硬钢                | 硬化钢             |        | 铸铁        | 铝        | 不锈钢              | 钛        | 低碳钢         | 铜      | 青铜     |
|---------------|--------------|--------------------|-----------------|--------|-----------|----------|------------------|----------|-------------|--------|--------|
| Carbon Steels | Alloy Steels | Prehardened Steels | Hardened Steels |        | Cast Iron | Aluminum | Stainless Steels | Titanium | Mild Steels | Copper | Bronze |
| ~HB225        | HB225~325    | HRC30~45           | HRC45~55        | HRC55~ |           |          |                  |          |             |        |        |
| ◎             | ◎            | ○                  |                 |        | ○         |          | ○                |          | ◎           |        |        |

I-DREAM DRILLS

DREAM DRILLS -GENERAL

DREAM DRILLS -SOFT

DREAM DRILLS -INOX

DREAM DRILLS -MQL TYPE

DREAM DRILLS for HARDENED STEELS

GENERAL CARBIDE DRILLS

NC-SPOTTING DRILLS

MULTI-1 DRILLS

HPD DRILLS

GOLD-P DRILLS

WORM PATTERN DRILLS

STRAIGHT SHANK DRILLS

TAPER SHANK DRILLS

NC-SPOTTING DRILLS

CENTER DRILLS

SPADE DRILLS

TECHNICAL DATA


**DREAM DRILLS  
-SOFT**
**DPPA02 SERIES**

# 硬质合金, 梦幻钻头-软材质用

## CARBIDE, DREAM DRILLS-SOFT

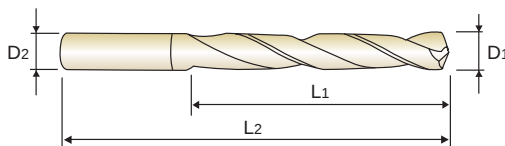
 长  
LONG

- 应用：可以在普通钢，碳钢，合金钢，铸铁及球墨铸铁
- 优点：自定心功能 - 可免除定心钻  
出色的定位 - 不需要导套  
特殊的设计 - 良好的排屑性能  
- 强力钻削

- **Application** : Drilling steels in general, carbon steels, alloy steels, cast iron, ductile cast iron.
- **Advantage** : Self centering - center drilling is not required.  
Excellent positioning - bush is not necessary.  
Special Design - good chip removal  
- powerful drilling



up to 1.5mm Ø1.6~Ø1.9 over 1.9mm



P.71

单位(Unit) : mm

| 型号        | 刃径             | 柄径             | 刃长           | 全长             |
|-----------|----------------|----------------|--------------|----------------|
| EDP No.   | Drill Diameter | Shank Diameter | Flute Length | Overall Length |
| TiAlN     | D1             | D2             | L1           | L2             |
| DPPA02084 | 8.4            | 9              | 64           | 98             |
| DPPA02085 | 8.5            | 9              | 64           | 98             |
| DPPA02086 | 8.6            | 9              | 64           | 98             |
| DPPA02087 | 8.7            | 9              | 64           | 98             |
| DPPA02088 | 8.8            | 9              | 64           | 98             |
| DPPA02089 | 8.9            | 9              | 64           | 98             |
| DPPA02090 | 9.0            | 9              | 64           | 98             |
| DPPA02091 | 9.1            | 9              | 64           | 98             |
| DPPA02092 | 9.2            | 10             | 68           | 105            |
| DPPA02093 | 9.3            | 10             | 68           | 105            |
| DPPA02094 | 9.4            | 10             | 68           | 105            |
| DPPA02095 | 9.5            | 10             | 68           | 105            |
| DPPA02096 | 9.6            | 10             | 68           | 105            |
| DPPA02097 | 9.7            | 10             | 68           | 105            |
| DPPA02098 | 9.8            | 10             | 68           | 105            |
| DPPA02099 | 9.9            | 10             | 68           | 105            |
| DPPA02100 | 10.0           | 10             | 68           | 105            |
| DPPA02101 | 10.1           | 10             | 68           | 105            |
| DPPA02102 | 10.2           | 11             | 73           | 110            |
| DPPA02103 | 10.3           | 11             | 73           | 110            |
| DPPA02104 | 10.4           | 11             | 73           | 110            |
| DPPA02105 | 10.5           | 11             | 73           | 110            |
| DPPA02106 | 10.6           | 11             | 73           | 110            |
| DPPA02107 | 10.7           | 11             | 73           | 110            |
| DPPA02108 | 10.8           | 11             | 73           | 110            |
| DPPA02109 | 10.9           | 11             | 73           | 110            |
| DPPA02110 | 11.0           | 11             | 73           | 110            |

| 型号        | 刃径             | 柄径             | 刃长           | 全长             |
|-----------|----------------|----------------|--------------|----------------|
| EDP No.   | Drill Diameter | Shank Diameter | Flute Length | Overall Length |
| TiAlN     | D1             | D2             | L1           | L2             |
| DPPA02111 | 11.1           | 11             | 73           | 110            |
| DPPA02112 | 11.2           | 12             | 80           | 120            |
| DPPA02113 | 11.3           | 12             | 80           | 120            |
| DPPA02114 | 11.4           | 12             | 80           | 120            |
| DPPA02115 | 11.5           | 12             | 80           | 120            |
| DPPA02116 | 11.6           | 12             | 80           | 120            |
| DPPA02117 | 11.7           | 12             | 80           | 120            |
| DPPA02118 | 11.8           | 12             | 80           | 120            |
| DPPA02119 | 11.9           | 12             | 80           | 120            |
| DPPA02120 | 12.0           | 12             | 80           | 120            |
| DPPA02125 | 12.5           | 13             | 90           | 137            |
| DPPA02130 | 13.0           | 13             | 90           | 137            |
| DPPA02135 | 13.5           | 14             | 96           | 147            |
| DPPA02140 | 14.0           | 14             | 96           | 147            |
| DPPA02145 | 14.5           | 15             | 100          | 153            |
| DPPA02150 | 15.0           | 15             | 100          | 153            |
| DPPA02155 | 15.5           | 16             | 112          | 160            |
| DPPA02160 | 16.0           | 16             | 112          | 160            |
| DPPA02165 | 16.5           | 17             | 112          | 160            |
| DPPA02170 | 17.0           | 17             | 112          | 160            |
| DPPA02175 | 17.5           | 18             | 112          | 160            |
| DPPA02180 | 18.0           | 18             | 112          | 160            |
| DPPA02185 | 18.5           | 19             | 112          | 160            |
| DPPA02190 | 19.0           | 19             | 112          | 160            |
| DPPA02195 | 19.5           | 20             | 112          | 160            |
| DPPA02200 | 20.0           | 20             | 112          | 160            |

► 其他的刀柄类型可以按照你的要求。 / Other shank types are available on your request.

◎ : 优(Excellent) ○ : 良(Good)

| 碳钢            | 合金钢          | 预硬钢                | 硬化钢             |        | 铸铁        | 铝        | 不锈钢              | 钛        | 低碳钢         | 铜      | 青铜     |
|---------------|--------------|--------------------|-----------------|--------|-----------|----------|------------------|----------|-------------|--------|--------|
| Carbon Steels | Alloy Steels | Prehardened Steels | Hardened Steels |        | Cast Iron | Aluminum | Stainless Steels | Titanium | Mild Steels | Copper | Bronze |
| ~HB225        | HB225~325    | HRC30~45           | HRC45~55        | HRC55~ |           |          |                  |          |             |        |        |
| ◎             | ◎            | ○                  |                 |        | ○         |          | ○                |          | ◎           |        |        |

**硬质合金, 梦幻钻头-软材质用, TiAlN涂层  
CARBIDE, DREAM DRILLS-SOFT, TiAlN COATED**
**DPPA01, DPPA02 SERIES**

单位(Unit) : mm

| 被加工材料<br>WORK MATERIAL | 低碳钢, 合金钢<br>LOW CARBON STEEL<br>ALLOY STEEL |      | 碳钢, 合金钢<br>CARBON STEEL<br>ALLOY STEEL |      | 特殊合金钢<br>SPECIAL ALLOY<br>STEEL |      | 合金钢<br>ALLOY STEEL |      | 铸铁<br>CAST IRON         |      | 球墨铸铁<br>DUCTILE CAST<br>IRON |      |
|------------------------|---------------------------------------------|------|----------------------------------------|------|---------------------------------|------|--------------------|------|-------------------------|------|------------------------------|------|
| STRENGTH               | < 700 N/mm <sup>2</sup>                     |      | < 1000 N/mm <sup>2</sup>               |      |                                 |      | 30~40HRc           |      | < 350 N/mm <sup>2</sup> |      | < 500 N/mm <sup>2</sup>      |      |
| DIAMETER               | N                                           | S    | N                                      | S    | N                               | S    | N                  | S    | N                       | S    | N                            | S    |
| 1.0                    | 11000                                       | 0.03 | 9500                                   | 0.03 | 9000                            | 0.02 | 7600               | 0.02 | 12000                   | 0.02 | 10000                        | 0.02 |
| 2.0                    | 11000                                       | 0.06 | 9500                                   | 0.06 | 9000                            | 0.06 | 7600               | 0.06 | 12000                   | 0.06 | 10000                        | 0.06 |
| 3.0                    | 8000                                        | 0.09 | 7200                                   | 0.09 | 6000                            | 0.09 | 5000               | 0.09 | 8000                    | 0.09 | 6900                         | 0.09 |
| 4.0                    | 6300                                        | 0.10 | 5600                                   | 0.10 | 4750                            | 0.10 | 3800               | 0.10 | 6300                    | 0.10 | 5200                         | 0.10 |
| 5.0                    | 5000                                        | 0.12 | 4500                                   | 0.12 | 3800                            | 0.12 | 3000               | 0.12 | 5000                    | 0.12 | 4100                         | 0.12 |
| 6.0                    | 4200                                        | 0.14 | 3700                                   | 0.14 | 3200                            | 0.14 | 2550               | 0.14 | 4200                    | 0.14 | 3450                         | 0.14 |
| 8.0                    | 3200                                        | 0.16 | 2800                                   | 0.16 | 2400                            | 0.16 | 1900               | 0.16 | 3200                    | 0.16 | 2600                         | 0.16 |
| 10.0                   | 2550                                        | 0.18 | 2300                                   | 0.18 | 1900                            | 0.18 | 1550               | 0.18 | 2600                    | 0.18 | 2100                         | 0.18 |
| 12.0                   | 2100                                        | 0.20 | 1800                                   | 0.20 | 1600                            | 0.20 | 1300               | 0.20 | 2200                    | 0.20 | 1750                         | 0.20 |
| 14.0                   | 1800                                        | 0.22 | 1600                                   | 0.22 | 1350                            | 0.22 | 1100               | 0.22 | 1800                    | 0.22 | 1500                         | 0.22 |
| 16.0                   | 1600                                        | 0.25 | 1400                                   | 0.25 | 1200                            | 0.25 | 950                | 0.25 | 1600                    | 0.25 | 1300                         | 0.25 |
| 18.0                   | 1400                                        | 0.28 | 1250                                   | 0.28 | 1050                            | 0.28 | 850                | 0.28 | 1400                    | 0.28 | 1200                         | 0.28 |
| 20.0                   | 1300                                        | 0.30 | 1150                                   | 0.30 | 960                             | 0.30 | 760                | 0.30 | 1300                    | 0.30 | 1050                         | 0.30 |

Feed 100% : DPPA01

Feed 85% : DPPA02

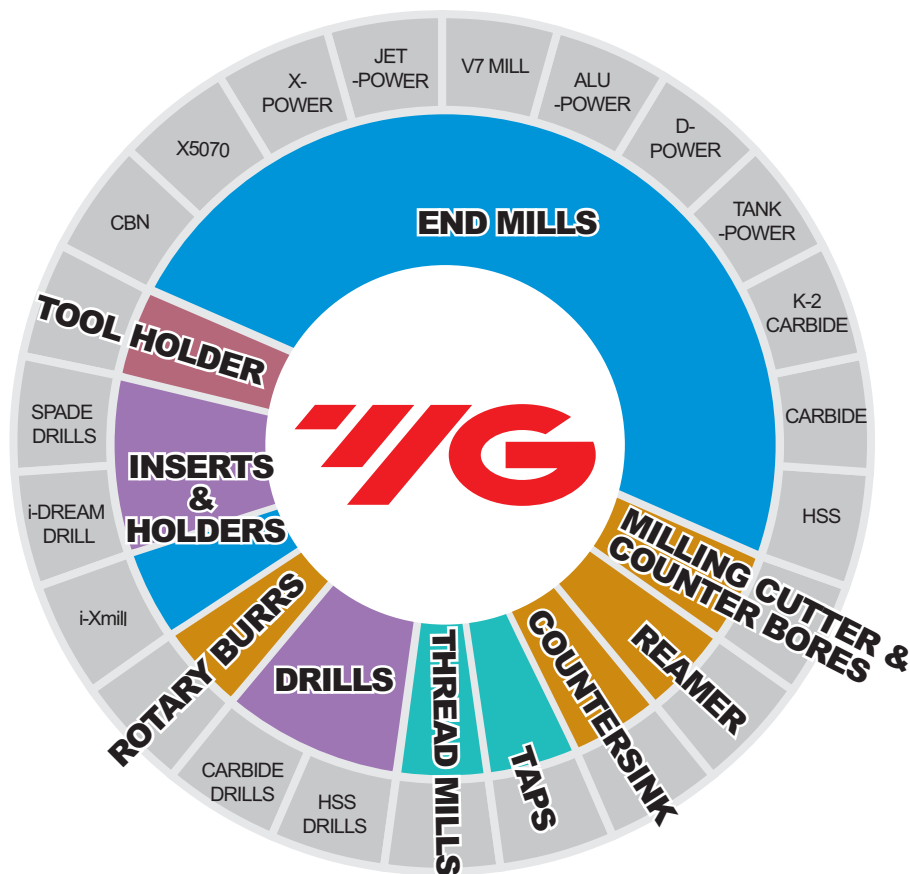
N = R.P.M

S = Feed per Revolution (mm/rev.)

I-DREAM  
DRILLSDREAM  
DRILLS  
-GENERALDREAM  
DRILLS  
-SOFTDREAM  
DRILLS  
-INOXDREAM  
DRILLS  
-MQL TYPEDREAM  
DRILLS  
for HARDENED  
STEELSGENERAL  
CARBIDE  
DRILLSNC-SPOTTING  
DRILLSMULTI-1  
DRILLS

HPD DRILLS

GOLD-P  
DRILLSWORM  
PATTERN  
DRILLSSTRAIGHT  
SHANK  
DRILLSTAPER  
SHANK  
DRILLSNC-SPOTTING  
DRILLSCENTER  
DRILLSSPADE  
DRILLSTECHNICAL  
DATA



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