



# SPEED TIGER

## Long Neck Corner Radius - 2 flutes

### ■ 圓鼻2刃長頸立銑刀



● Super Ultra Fine Micro Grain Carbide

● WC=91 Co=9 HRA=93.2 Rupture=4000N/mm<sup>2</sup> Grain Size=0.2μm



| Mode                   | Diameter | Corner Radius | Flute Length | Efficient Length | Full Length | Shank Diameter | Effective Leng by Inclined Angles |      |      |      |       |
|------------------------|----------|---------------|--------------|------------------|-------------|----------------|-----------------------------------|------|------|------|-------|
| 型號                     | d 刃徑     | R 角           | l 刃長         | L1有效長            | L 全長        | D 柄徑           | 0.5°                              | 1°   | 1.5° | 2°   | 3°    |
| SFUCR004012(EL01) nACo | 0.4      | 0.1           | 0.4          | 1                | 50          | 4              | 1.26                              | 1.44 | 1.59 | 1.72 | 1.96  |
| SFUCR004012(EL02) nACo | 0.4      | 0.1           | 0.4          | 2                | 50          | 4              | 2.39                              | 2.62 | 2.80 | 2.96 | 3.24  |
| SFUCR004012(EL03) nACo | 0.4      | 0.1           | 0.4          | 3                | 50          | 4              | 3.49                              | 3.75 | 3.96 | 4.14 | 4.32  |
| SFUCR004012(EL04) nACo | 0.4      | 0.1           | 0.4          | 4                | 50          | 4              | 4.57                              | 4.86 | 5.09 | 5.29 | 5.69  |
| SFUCR005012(EL01) nACo | 0.5      | 0.1           | 0.5          | 1                | 50          | 4              | 1.26                              | 1.44 | 1.59 | 1.72 | 1.96  |
| SFUCR005012(EL02) nACo | 0.5      | 0.1           | 0.5          | 2                | 50          | 4              | 2.39                              | 2.62 | 2.80 | 2.96 | 3.24  |
| SFUCR005012(EL03) nACo | 0.5      | 0.1           | 0.5          | 3                | 50          | 4              | 3.49                              | 3.75 | 3.96 | 4.14 | 4.32  |
| SFUCR005012(EL04) nACo | 0.5      | 0.1           | 0.5          | 4                | 50          | 4              | 4.57                              | 4.86 | 5.09 | 5.29 | 5.69  |
| SFUCR005012(EL05) nACo | 0.5      | 0.1           | 0.5          | 5                | 50          | 4              | 5.64                              | 5.96 | 6.21 | 6.43 | 6.92  |
| SFUCR005012(EL06) nACo | 0.5      | 0.1           | 0.5          | 6                | 50          | 4              | 6.70                              | 7.05 | 7.32 | 7.57 | 8.14  |
| SFUCR006012(EL02) nACo | 0.6      | 0.1           | 0.6          | 2                | 50          | 4              | 2.39                              | 2.62 | 2.80 | 2.96 | 3.24  |
| SFUCR006012(EL03) nACo | 0.6      | 0.1           | 0.6          | 3                | 50          | 4              | 3.49                              | 3.75 | 3.96 | 4.14 | 4.32  |
| SFUCR006012(EL04) nACo | 0.6      | 0.1           | 0.6          | 4                | 50          | 4              | 4.57                              | 4.86 | 5.09 | 5.29 | 5.69  |
| SFUCR006012(EL06) nACo | 0.6      | 0.1           | 0.6          | 6                | 50          | 4              | 6.70                              | 7.05 | 7.32 | 7.57 | 8.14  |
| SFUCR006012(EL08) nACo | 0.6      | 0.1           | 0.6          | 8                | 50          | 4              | 8.81                              | 9.20 | 9.52 | 9.85 | 10.59 |
| SFUCR007012(EL04) nACo | 0.7      | 0.1           | 0.7          | 4                | 50          | 4              | 4.57                              | 4.86 | 5.09 | 5.29 | 5.69  |
| SFUCR007012(EL06) nACo | 0.7      | 0.1           | 0.7          | 6                | 50          | 4              | 6.70                              | 7.05 | 7.32 | 7.57 | 8.14  |
| SFUCR008012(EL04) nACo | 0.8      | 0.1           | 0.8          | 4                | 50          | 4              | 4.57                              | 4.86 | 5.09 | 5.29 | 5.69  |
| SFUCR008012(EL06) nACo | 0.8      | 0.1           | 0.8          | 6                | 50          | 4              | 6.70                              | 7.05 | 7.32 | 7.57 | 8.14  |
| SFUCR008022(EL04) nACo | 0.8      | 0.2           | 0.8          | 4                | 50          | 4              | 4.57                              | 4.86 | 5.09 | 5.29 | 5.69  |
| SFUCR008022(EL06) nACo | 0.8      | 0.2           | 0.8          | 6                | 50          | 4              | 6.70                              | 7.05 | 7.32 | 7.57 | 8.14  |
| SFUCR010012(EL02) nACo | 1        | 0.1           | 1            | 2                | 50          | 4              | 2.55                              | 2.73 | 2.90 | 3.04 | 3.31  |
| SFUCR010012(EL04) nACo | 1        | 0.1           | 1            | 4                | 50          | 4              | 4.69                              | 4.95 | 5.16 | 5.36 | 5.76  |
| SFUCR010012(EL06) nACo | 1        | 0.1           | 1            | 6                | 50          | 4              | 6.80                              | 7.12 | 7.38 | 7.63 | 8.21  |
| SFUCR010012(EL08) nACo | 1        | 0.1           | 1            | 8                | 50          | 4              | 8.90                              | 9.26 | 9.58 | 9.91 | 10.65 |



Application 適用材質：

◎ Recommend 最適合 ○ Suitable 適合 X Not Recommend 不建議

| carbon steel,<br>Alloy steel<br>炭素鋼,合金鋼 | Pre-harden steel<br>預硬鋼 | High-hardened<br>高硬度鋼 |        |        |        | Stainless steel<br>不銹鋼 | Copper alloy<br>銅合金,銅 | Aluminun alloy<br>鋁合金 |
|---|-------------------------|-----------------------|--------|--------|--------|------------------------|-----------------------|-----------------------|
|   | ~45HRC                  | ~50HRC                | ~55HRC | ~60HRC | ~65HRC |                        |                       |                       |
| ○                                       | ○                       | ○                     | ◎      | ◎      | ◎      | ○                      |                       |                       |



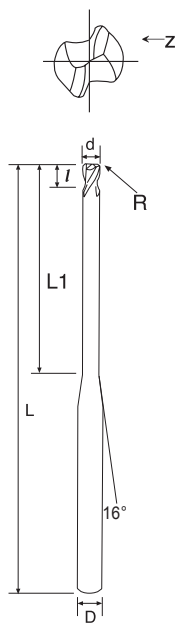
# Long Neck Corner Radius - 2 flutes

## 圓鼻2刃長頸立銑刀



● Super Ultra Fine Micro Grain Carbide

● WC=91 Co=9 HRA=93.2 Rupture=4000N/mm<sup>2</sup> Grain Size=0.2μm



| Mode<br>型號             | Diameter<br>d 刃徑 | Corner Radius<br>R 角 | Flute Length<br>l 刃長 | Efficient Length<br>L1有效長 | Full Length<br>L 全長 | Shank Diameter<br>D 柄徑 | Effective Leng by Inclined Angles |       |       |       |       |
|------------------------|------------------|----------------------|----------------------|---------------------------|---------------------|------------------------|-----------------------------------|-------|-------|-------|-------|
|                        |                  |                      |                      |                           |                     |                        | 0.5°                              | 1°    | 1.5°  | 2°    | 3°    |
| SFUCR010012(EL10) nACo | 1                | 0.1                  | 1                    | 10                        | 50                  | 4                      | 10.99                             | 11.39 | 11.78 | 12.19 | 13.10 |
| SFUCR010012(EL12) nACo | 1                | 0.1                  | 1                    | 12                        | 60                  | 4                      | 13.07                             | 13.52 | 13.98 | 14.47 | 15.55 |
| SFUCR010012(EL16) nACo | 1                | 0.1                  | 1                    | 16                        | 60                  | 4                      | 17.22                             | 17.78 | 18.38 | 19.02 | 20.44 |
| SFUCR010012(EL20) nACo | 1                | 0.1                  | 1                    | 20                        | 60                  | 4                      | 21.35                             | 22.04 | 22.78 | 23.57 | 25.34 |
| SFUCR010022(EL02) nACo | 1                | 0.2                  | 1                    | 2                         | 50                  | 4                      | 2.55                              | 2.73  | 2.90  | 3.04  | 3.31  |
| SFUCR010022(EL04) nACo | 1                | 0.2                  | 1                    | 4                         | 50                  | 4                      | 4.69                              | 4.95  | 5.16  | 5.36  | 5.76  |
| SFUCR010022(EL06) nACo | 1                | 0.2                  | 1                    | 6                         | 50                  | 4                      | 6.80                              | 7.12  | 7.38  | 7.63  | 8.21  |
| SFUCR010022(EL08) nACo | 1                | 0.2                  | 1                    | 8                         | 50                  | 4                      | 8.90                              | 9.26  | 9.58  | 9.91  | 10.65 |
| SFUCR010022(EL10) nACo | 1                | 0.2                  | 1                    | 10                        | 50                  | 4                      | 10.99                             | 11.39 | 11.78 | 12.19 | 13.10 |
| SFUCR010022(EL12) nACo | 1                | 0.2                  | 1                    | 12                        | 60                  | 4                      | 13.07                             | 13.52 | 13.98 | 14.47 | 15.55 |
| SFUCR010022(EL16) nACo | 1                | 0.2                  | 1                    | 16                        | 60                  | 4                      | 17.22                             | 17.78 | 18.38 | 19.02 | 20.44 |
| SFUCR010022(EL20) nACo | 1                | 0.2                  | 1                    | 20                        | 60                  | 4                      | 21.35                             | 22.04 | 22.78 | 23.57 | 25.34 |
| SFUCR010032(EL02) nACo | 1                | 0.3                  | 1                    | 2                         | 50                  | 4                      | 2.55                              | 2.73  | 2.90  | 3.04  | 3.31  |
| SFUCR010032(EL04) nACo | 1                | 0.3                  | 1                    | 4                         | 50                  | 4                      | 4.69                              | 4.95  | 5.16  | 5.36  | 5.76  |
| SFUCR010032(EL06) nACo | 1                | 0.3                  | 1                    | 6                         | 50                  | 4                      | 6.80                              | 7.12  | 7.38  | 7.63  | 8.21  |
| SFUCR010032(EL08) nACo | 1                | 0.3                  | 1                    | 8                         | 50                  | 4                      | 8.90                              | 9.26  | 9.58  | 9.91  | 10.65 |
| SFUCR010032(EL10) nACo | 1                | 0.3                  | 1                    | 10                        | 50                  | 4                      | 10.99                             | 11.39 | 11.78 | 12.19 | 13.10 |
| SFUCR010032(EL12) nACo | 1                | 0.3                  | 1                    | 12                        | 60                  | 4                      | 13.07                             | 13.52 | 13.98 | 14.47 | 15.55 |
| SFUCR010032(EL16) nACo | 1                | 0.3                  | 1                    | 16                        | 60                  | 4                      | 17.22                             | 17.78 | 18.38 | 19.02 | 20.44 |
| SFUCR010032(EL20) nACo | 1                | 0.3                  | 1                    | 20                        | 60                  | 4                      | 21.35                             | 22.04 | 22.78 | 23.57 | 25.34 |
| SFUCR012022(EL06) nACo | 1.2              | 0.2                  | 1.2                  | 6                         | 50                  | 4                      | 6.19                              | 6.40  | 6.61  | 6.84  | 7.36  |
| SFUCR012022(EL12) nACo | 1.2              | 0.2                  | 1.2                  | 12                        | 60                  | 4                      | 12.38                             | 12.78 | 13.21 | 13.67 | 14.70 |
| SFUCR012022(EL20) nACo | 1.2              | 0.2                  | 1.2                  | 20                        | 60                  | 4                      | 20.63                             | 21.30 | 22.02 | 22.78 | 24.49 |
| SFUCR012032(EL06) nACo | 1.2              | 0.3                  | 1.2                  | 6                         | 50                  | 4                      | 6.19                              | 6.40  | 6.61  | 6.84  | 7.36  |
| SFUCR012032(EL12) nACo | 1.2              | 0.3                  | 1.2                  | 12                        | 60                  | 4                      | 12.38                             | 12.78 | 13.21 | 13.67 | 14.70 |
| SFUCR012032(EL20) nACo | 1.2              | 0.3                  | 1.2                  | 20                        | 60                  | 4                      | 20.63                             | 21.30 | 22.02 | 22.78 | 24.49 |

- HRC > 40
- HRC > 45
- HRC > 50
- HRC > 55
- HRC > 60
- HRC > 65
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Application 適用材質：

◎ Recommend 最適合 ○ Suitable 適合 X Not Recommend 不建議

| carbon steel,<br>Alloy steel<br>炭素鋼, 合金鋼 | Pre-hardened steel<br>預硬鋼 | High-hardened<br>高硬度鋼 |        |        |        | Stainless steel<br>不銹鋼 | Copper alloy<br>銅合金, 銅 | Aluminun alloy<br>鋁合金 |
|--|---------------------------|-----------------------|--------|--------|--------|------------------------|------------------------|-----------------------|
|  | ~45HRC                    | ~50HRC                | ~55HRC | ~60HRC | ~65HRC |                        |                        |                       |
| ○  | ○                         | ○                     | ◎      | ◎      | ◎      | ○                      |                        |                       |

# SPEED TIGER

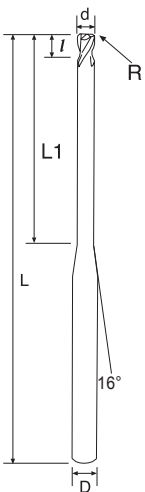
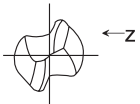
## Long Neck Corner Radius - 2 flutes

### ■ 圓鼻2刃長頸立銑刀



● Super Ultra Fine Micro Grain Carbide

● WC=91 Co=9 HRA=93.2 Rupture=4000N/mm<sup>2</sup> Grain Size=0.2μm



| Mode<br>型號             | Diameter<br>d 刃徑 | Corner Radius<br>R 角 | Flute Length<br>l 刃長 | Efficient Length<br>L1有效長 | Full Length<br>L 全長 | Shank Diameter<br>D 柄徑 | Effective Leng by Inclined Angles |       |       |       |       |
|------------------------|------------------|----------------------|----------------------|---------------------------|---------------------|------------------------|-----------------------------------|-------|-------|-------|-------|
|                        |                  |                      |                      |                           |                     |                        | 0.5°                              | 1°    | 1.5°  | 2°    | 3°    |
| SFUCR015022(EL04) nACo | 1.5              | 0.2                  | 1.5                  | 4                         | 50                  | 4                      | 4.13                              | 4.27  | 4.41  | 4.57  | 4.91  |
| SFUCR015022(EL06) nACo | 1.5              | 0.2                  | 1.5                  | 6                         | 50                  | 4                      | 6.19                              | 6.40  | 6.61  | 6.84  | 7.36  |
| SFUCR015022(EL08) nACo | 1.5              | 0.2                  | 1.5                  | 8                         | 50                  | 4                      | 8.26                              | 8.52  | 8.81  | 9.12  | 9.80  |
| SFUCR015022(EL10) nACo | 1.5              | 0.2                  | 1.5                  | 10                        | 50                  | 4                      | 10.32                             | 10.65 | 11.01 | 11.40 | 12.25 |
| SFUCR015022(EL12) nACo | 1.5              | 0.2                  | 1.5                  | 12                        | 60                  | 4                      | 12.38                             | 12.78 | 13.21 | 13.67 | 14.70 |
| SFUCR015022(EL16) nACo | 1.5              | 0.2                  | 1.5                  | 16                        | 60                  | 4                      | 16.51                             | 17.04 | 17.62 | 18.23 | 19.59 |
| SFUCR015022(EL20) nACo | 1.5              | 0.2                  | 1.5                  | 20                        | 60                  | 4                      | 20.63                             | 21.30 | 22.02 | 22.78 | *     |
| SFUCR015032(EL04) nACo | 1.5              | 0.3                  | 1.5                  | 4                         | 50                  | 4                      | 4.13                              | 4.27  | 4.41  | 4.57  | 4.91  |
| SFUCR015032(EL06) nACo | 1.5              | 0.3                  | 1.5                  | 6                         | 50                  | 4                      | 6.19                              | 6.40  | 6.61  | 6.84  | 7.36  |
| SFUCR015032(EL08) nACo | 1.5              | 0.3                  | 1.5                  | 8                         | 50                  | 4                      | 8.26                              | 8.52  | 8.81  | 9.12  | 9.80  |
| SFUCR015032(EL10) nACo | 1.5              | 0.3                  | 1.5                  | 10                        | 50                  | 4                      | 10.32                             | 10.65 | 11.01 | 11.40 | 12.25 |
| SFUCR015032(EL12) nACo | 1.5              | 0.3                  | 1.5                  | 12                        | 60                  | 4                      | 12.38                             | 12.78 | 13.21 | 13.67 | 14.70 |
| SFUCR015032(EL16) nACo | 1.5              | 0.3                  | 1.5                  | 16                        | 60                  | 4                      | 16.51                             | 17.04 | 17.62 | 18.23 | 19.59 |
| SFUCR015032(EL20) nACo | 1.5              | 0.3                  | 1.5                  | 20                        | 60                  | 4                      | 20.63                             | 21.30 | 22.02 | 22.78 | *     |
| SFUCR015052(EL04) nACo | 1.5              | 0.5                  | 1.5                  | 4                         | 50                  | 4                      | 4.13                              | 4.27  | 4.41  | 4.57  | 4.91  |
| SFUCR015052(EL06) nACo | 1.5              | 0.5                  | 1.5                  | 6                         | 50                  | 4                      | 6.19                              | 6.40  | 6.61  | 6.84  | 7.36  |
| SFUCR015052(EL08) nACo | 1.5              | 0.5                  | 1.5                  | 8                         | 50                  | 4                      | 8.26                              | 8.52  | 8.81  | 9.12  | 9.80  |
| SFUCR015052(EL10) nACo | 1.5              | 0.5                  | 1.5                  | 10                        | 50                  | 4                      | 10.32                             | 10.65 | 11.01 | 11.40 | 12.25 |
| SFUCR015052(EL12) nACo | 1.5              | 0.5                  | 1.5                  | 12                        | 60                  | 4                      | 12.38                             | 12.78 | 13.21 | 13.67 | 14.70 |
| SFUCR015052(EL16) nACo | 1.5              | 0.5                  | 1.5                  | 16                        | 60                  | 4                      | 16.51                             | 17.04 | 17.62 | 18.23 | 19.59 |
| SFUCR015052(EL20) nACo | 1.5              | 0.5                  | 1.5                  | 20                        | 60                  | 4                      | 20.63                             | 21.30 | 22.02 | 22.78 | *     |
| SFUCR020012(EL04) nACo | 2                | 0.1                  | 2                    | 4                         | 50                  | 4                      | 4.17                              | 4.30  | 4.45  | 4.60  | 4.95  |
| SFUCR020012(EL06) nACo | 2                | 0.1                  | 2                    | 6                         | 50                  | 4                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |
| SFUCR020012(EL08) nACo | 2                | 0.1                  | 2                    | 8                         | 50                  | 4                      | 8.29                              | 8.56  | 8.85  | 9.16  | 9.85  |
| SFUCR020012(EL10) nACo | 2                | 0.1                  | 2                    | 10                        | 50                  | 4                      | 10.35                             | 10.69 | 11.05 | 11.44 | 12.29 |
| SFUCR020012(EL12) nACo | 2                | 0.1                  | 2                    | 12                        | 60                  | 4                      | 12.42                             | 12.82 | 13.25 | 13.71 | 14.74 |
| SFUCR020012(EL16) nACo | 2                | 0.1                  | 2                    | 16                        | 60                  | 4                      | 16.54                             | 17.08 | 17.65 | 18.27 | *     |

HRC &gt; 40

HRC &gt; 45

HRC &gt; 50

HRC &gt; 55

HRC &gt; 60

HRC &gt; 65



Application 適用材質：

◎ Recommend 最適合 ○ Suitable 適合 X Not Recommend 不建議

| carbon steel,<br>Alloy steel<br>炭素鋼,合金鋼 | Pre-hardened steel<br>預硬鋼 | High-hardened<br>高硬度鋼 |        |        |        | Stainless steel<br>不銹鋼 | Copper alloy<br>銅合金,銅 | Aluminum alloy<br>鋁合金 |
|---|---------------------------|-----------------------|--------|--------|--------|------------------------|-----------------------|-----------------------|
|   | ~45HRC                    | ~50HRC                | ~55HRC | ~60HRC | ~65HRC |                        |                       |                       |
| ○                                       | ○                         | ○                     | ◎      | ◎      | ◎      | ○                      |                       |                       |



## Long Neck Corner Radius - 2 flutes

### ■ 圓鼻2刃長頸立銑刀

200 Nano

HRC 65

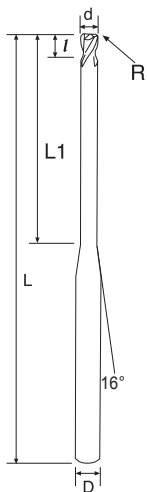
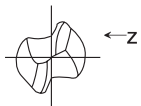
35°

R

nACo

● Super Ultra Fine Micro Grain Carbide

● WC=91 Co=9 HRA=93.2 Rupture=4000N/mm<sup>2</sup> Grain Size=0.2μm



| Mode<br>型號             | Diameter<br>d 刃徑 | Corner Radius<br>R 角 | Flute Length<br>l 刃長 | Efficient Length<br>L1有效長 | Full Length<br>L全長 | Shank Diameter<br>D 柄徑 | Effective Leng by Inclined Angles |       |       |       |       |
|------------------------|------------------|----------------------|----------------------|---------------------------|--------------------|------------------------|-----------------------------------|-------|-------|-------|-------|
|                        |                  |                      |                      |                           |                    |                        | 0.5°                              | 1°    | 1.5°  | 2°    | 3°    |
| SFUCR020012(EL20) nACo | 2                | 0.1                  | 2                    | 20                        | 60                 | 4                      | 20.67                             | 21.34 | 22.06 | 22.82 | *     |
| SFUCR020012(EL26) nACo | 2                | 0.1                  | 2                    | 26                        | 75                 | 4                      | 26.86                             | 27.73 | 28.66 | *     | *     |
| SFUCR020022(EL04) nACo | 2                | 0.2                  | 2                    | 4                         | 50                 | 4                      | 4.17                              | 4.30  | 4.45  | 4.6   | 4.95  |
| SFUCR020022(EL06) nACo | 2                | 0.2                  | 2                    | 6                         | 50                 | 4                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |
| SFUCR020022(EL08) nACo | 2                | 0.2                  | 2                    | 8                         | 50                 | 4                      | 8.29                              | 8.56  | 8.85  | 9.16  | 9.85  |
| SFUCR020022(EL10) nACo | 2                | 0.2                  | 2                    | 10                        | 50                 | 4                      | 10.35                             | 10.69 | 11.05 | 11.44 | 12.29 |
| SFUCR020022(EL12) nACo | 2                | 0.2                  | 2                    | 12                        | 60                 | 4                      | 12.42                             | 12.82 | 13.25 | 13.71 | 14.74 |
| SFUCR020022(EL16) nACo | 2                | 0.2                  | 2                    | 16                        | 60                 | 4                      | 16.54                             | 17.08 | 17.65 | 18.27 | *     |
| SFUCR020022(EL20) nACo | 2                | 0.2                  | 2                    | 20                        | 60                 | 4                      | 20.67                             | 21.34 | 22.06 | 22.82 | *     |
| SFUCR020022(EL26) nACo | 2                | 0.2                  | 2                    | 26                        | 75                 | 4                      | 26.86                             | 27.73 | 28.66 | *     | *     |
| SFUCR020032(EL04) nACo | 2                | 0.3                  | 2                    | 4                         | 50                 | 4                      | 4.17                              | 4.30  | 4.45  | 4.60  | 4.95  |
| SFUCR020032(EL06) nACo | 2                | 0.3                  | 2                    | 6                         | 50                 | 4                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |
| SFUCR020032(EL08) nACo | 2                | 0.3                  | 2                    | 8                         | 50                 | 4                      | 8.29                              | 8.56  | 8.85  | 9.16  | 9.85  |
| SFUCR020032(EL10) nACo | 2                | 0.3                  | 2                    | 10                        | 50                 | 4                      | 10.35                             | 10.69 | 11.05 | 11.44 | 12.29 |
| SFUCR020032(EL12) nACo | 2                | 0.3                  | 2                    | 12                        | 60                 | 4                      | 12.42                             | 12.82 | 13.25 | 13.71 | 14.74 |
| SFUCR020032(EL16) nACo | 2                | 0.3                  | 2                    | 16                        | 60                 | 4                      | 16.54                             | 17.08 | 17.65 | 18.27 | *     |
| SFUCR020032(EL20) nACo | 2                | 0.3                  | 2                    | 20                        | 60                 | 4                      | 20.67                             | 21.34 | 22.06 | 22.82 | *     |
| SFUCR020032(EL26) nACo | 2                | 0.3                  | 2                    | 26                        | 75                 | 4                      | 26.86                             | 27.73 | 28.66 | *     | *     |
| SFUCR020052(EL04) nACo | 2                | 0.5                  | 2                    | 4                         | 50                 | 4                      | 4.17                              | 4.30  | 4.45  | 4.60  | 4.95  |
| SFUCR020052(EL06) nACo | 2                | 0.5                  | 2                    | 6                         | 50                 | 4                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |

HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65



Application 適用材質：

◎ Recommend 最適合 ○ Suitable 適合 X Not Recommend 不建議

| carbon steel,<br>Alloy steel<br>炭素鋼, 合金鋼 | Pre-hardened steel<br>預硬鋼 | High-hardened<br>高硬度鋼 |        |        |        | Stainless steel<br>不銹鋼 | Copper alloy<br>銅合金, 銅 | Aluminun alloy<br>鋁合金 |
|--|---------------------------|-----------------------|--------|--------|--------|------------------------|------------------------|-----------------------|
|  | ~45HRC                    | ~50HRC                | ~55HRC | ~60HRC | ~65HRC |                        |                        |                       |
| ○  | ○                         | ○                     | ◎      | ◎      | ◎      | ○                      |                        |                       |



# SPEED TIGER

## Long Neck Corner Radius - 2 flutes

### ■ 圓鼻2刃長頸立銑刀



● Super Ultra Fine Micro Grain Carbide

● WC=91 Co=9 HRA=93.2 Rupture=4000N/mm<sup>2</sup> Grain Size=0.2µm



| Mode<br>型號             | Diameter<br>d 刃徑 | Corner Radius<br>R 角 | Flute Length<br>I 刃長 | Efficient Length<br>L1有效長 | Full Length<br>L 全長 | Shank Diameter<br>D 柄徑 | Effective Leng by Inclined Angles |       |       |       |       |
|------------------------|------------------|----------------------|----------------------|---------------------------|---------------------|------------------------|-----------------------------------|-------|-------|-------|-------|
|                        |                  |                      |                      |                           |                     |                        | 0.5°                              | 1°    | 1.5°  | 2°    | 3°    |
| SFUCR020052(EL08) nACo | 2                | 0.5                  | 2                    | 8                         | 50                  | 4                      | 8.29                              | 8.56  | 8.85  | 9.16  | 9.85  |
| SFUCR020052(EL10) nACo | 2                | 0.5                  | 2                    | 10                        | 50                  | 4                      | 10.35                             | 10.69 | 11.05 | 11.44 | 12.29 |
| SFUCR020052(EL12) nACo | 2                | 0.5                  | 2                    | 12                        | 60                  | 4                      | 12.42                             | 12.82 | 13.25 | 13.71 | 14.74 |
| SFUCR020052(EL16) nACo | 2                | 0.5                  | 2                    | 16                        | 60                  | 4                      | 16.54                             | 17.08 | 17.65 | 18.27 | *     |
| SFUCR020052(EL20) nACo | 2                | 0.5                  | 2                    | 20                        | 60                  | 4                      | 20.67                             | 21.34 | 22.06 | 22.82 | *     |
| SFUCR020052(EL26) nACo | 2                | 0.5                  | 2                    | 26                        | 75                  | 4                      | 26.86                             | 27.73 | 28.66 | *     | *     |
| SFUCR025032(EL10) nACo | 2.5              | 0.3                  | 2.5                  | 10                        | 50                  | 4                      | 10.35                             | 10.69 | 11.05 | 11.44 | 12.29 |
| SFUCR025032(EL20) nACo | 2.5              | 0.3                  | 2.5                  | 20                        | 60                  | 4                      | 20.67                             | 21.34 | 22.06 | *     | *     |
| SFUCR025032(EL30) nACo | 2.5              | 0.3                  | 2.5                  | 30                        | 75                  | 4                      | 30.98                             | 31.99 | *     | *     | *     |
| SFUCR025052(EL10) nACo | 2.5              | 0.5                  | 2.5                  | 10                        | 50                  | 4                      | 10.35                             | 10.69 | 11.05 | 11.44 | 12.29 |
| SFUCR025052(EL20) nACo | 2.5              | 0.5                  | 2.5                  | 20                        | 60                  | 4                      | 20.67                             | 21.34 | 22.06 | *     | *     |
| SFUCR025052(EL30) nACo | 2.5              | 0.5                  | 2.5                  | 30                        | 75                  | 4                      | 30.98                             | 31.99 | *     | *     | *     |
| SFUCR030012(EL06) nACo | 3                | 0.1                  | 3                    | 6                         | 60                  | 6                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |
| SFUCR030012(EL16) nACo | 3                | 0.1                  | 3                    | 16                        | 60                  | 6                      | 16.54                             | 17.08 | 17.65 | 18.26 | 19.63 |
| SFUCR030012(EL26) nACo | 3                | 0.1                  | 3                    | 26                        | 75                  | 6                      | 26.85                             | 27.72 | 28.66 | 29.65 | *     |
| SFUCR030012(EL36) nACo | 3                | 0.1                  | 3                    | 36                        | 75                  | 6                      | 37.17                             | 38.37 | 39.66 | 41.04 | *     |
| SFUCR030022(EL06) nACo | 3                | 0.2                  | 3                    | 6                         | 60                  | 6                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |
| SFUCR030022(EL16) nACo | 3                | 0.2                  | 3                    | 16                        | 60                  | 6                      | 16.54                             | 17.08 | 17.65 | 18.26 | 19.63 |
| SFUCR030022(EL26) nACo | 3                | 0.2                  | 3                    | 26                        | 75                  | 6                      | 26.85                             | 27.72 | 28.66 | 29.65 | *     |
| SFUCR030022(EL36) nACo | 3                | 0.2                  | 3                    | 36                        | 75                  | 6                      | 37.17                             | 38.37 | 39.66 | 41.04 | *     |
| SFUCR030032(EL06) nACo | 3                | 0.3                  | 3                    | 6                         | 60                  | 6                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |
| SFUCR030032(EL16) nACo | 3                | 0.3                  | 3                    | 16                        | 60                  | 6                      | 16.54                             | 17.08 | 17.65 | 18.26 | 19.63 |
| SFUCR030032(EL26) nACo | 3                | 0.3                  | 3                    | 26                        | 75                  | 6                      | 26.85                             | 27.72 | 28.66 | 29.65 | *     |



Application 適用材質：

◎ Recommend 最適合 ○ Suitable 適合 X Not Recommend 不建議

| carbon steel,<br>Alloy steel<br>炭素鋼, 合金鋼 | Pre-hardened steel<br>預硬鋼 | High-hardened<br>高硬度鋼 |        |        |        | Stainless steel<br>不銹鋼 | Copper alloy<br>銅合金, 銅 | Aluminun alloy<br>鋁合金 |
|--|---------------------------|-----------------------|--------|--------|--------|------------------------|------------------------|-----------------------|
|  | ~45HRC                    | ~50HRC                | ~55HRC | ~60HRC | ~65HRC |                        |                        |                       |
| ○  | ○                         | ○                     | ◎      | ◎      | ◎      | ○                      |                        |                       |



## Long Neck Corner Radius - 2 flutes

### ■ 圓鼻2刃長頸立銑刀

200 Nano

HRC 65

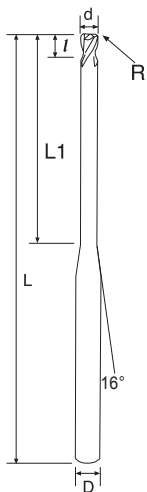
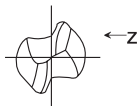
35°

R

nAcO

● Super Ultra Fine Micro Grain Carbide

● WC=91 Co=9 HRA=93.2 Rupture=4000N/mm<sup>2</sup> Grain Size=0.2μm



| Mode<br>型號             | Diameter<br>d 刃徑 | Corner Radius<br>R 角 | Flute Length<br>l 刃長 | Efficient Length<br>L1有效長 | Full Length<br>L 全長 | Shank Diameter<br>D 柄徑 | Effective Leng by Inclined Angles |       |       |       |       |
|------------------------|------------------|----------------------|----------------------|---------------------------|---------------------|------------------------|-----------------------------------|-------|-------|-------|-------|
|                        |                  |                      |                      |                           |                     |                        | 0.5°                              | 1°    | 1.5°  | 2°    | 3°    |
| SFUCR030032(EL36) nAcO | 3                | 0.3                  | 3                    | 36                        | 75                  | 6                      | 37.17                             | 38.37 | 39.66 | 41.04 | *     |
| SFUCR030052(EL06) nAcO | 3                | 0.5                  | 3                    | 6                         | 60                  | 6                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |
| SFUCR030052(EL16) nAcO | 3                | 0.5                  | 3                    | 16                        | 60                  | 6                      | 16.54                             | 17.08 | 17.65 | 18.26 | 19.63 |
| SFUCR030052(EL26) nAcO | 3                | 0.5                  | 3                    | 26                        | 75                  | 6                      | 26.85                             | 27.72 | 28.66 | 29.65 | *     |
| SFUCR030052(EL36) nAcO | 3                | 0.5                  | 3                    | 36                        | 75                  | 6                      | 37.17                             | 38.37 | 39.66 | 41.04 | *     |
| SFUCR030102(EL06) nAcO | 3                | 1                    | 3                    | 6                         | 60                  | 6                      | 6.23                              | 6.43  | 6.65  | 6.88  | 7.40  |
| SFUCR030102(EL16) nAcO | 3                | 1                    | 3                    | 16                        | 60                  | 6                      | 16.54                             | 17.08 | 17.65 | 18.26 | 19.63 |
| SFUCR030102(EL26) nAcO | 3                | 1                    | 3                    | 26                        | 75                  | 6                      | 26.85                             | 27.72 | 28.66 | 29.65 | *     |
| SFUCR030102(EL36) nAcO | 3                | 1                    | 3                    | 36                        | 75                  | 6                      | 37.17                             | 38.37 | 39.66 | 41.04 | *     |
| SFUCR040012(EL08) nAcO | 4                | 0.1                  | 4                    | 8                         | 60                  | 6                      | 8.47                              | 8.74  | 9.04  | 9.35  | 10.06 |
| SFUCR040012(EL20) nAcO | 4                | 0.1                  | 4                    | 20                        | 60                  | 6                      | 20.84                             | 21.52 | 22.24 | 23.02 | *     |
| SFUCR040012(EL32) nAcO | 4                | 0.1                  | 4                    | 32                        | 75                  | 6                      | 33.22                             | 34.30 | 35.45 | *     | *     |
| SFUCR040012(EL48) nAcO | 4                | 0.1                  | 4                    | 48                        | 100                 | 6                      | 49.72                             | 51.34 | *     | *     | *     |
| SFUCR040032(EL08) nAcO | 4                | 0.3                  | 4                    | 8                         | 60                  | 6                      | 8.47                              | 8.74  | 9.04  | 9.35  | 10.06 |
| SFUCR040032(EL20) nAcO | 4                | 0.3                  | 4                    | 20                        | 60                  | 6                      | 20.84                             | 21.52 | 22.24 | 23.02 | *     |
| SFUCR040032(EL32) nAcO | 4                | 0.3                  | 4                    | 32                        | 75                  | 6                      | 33.22                             | 34.30 | 35.45 | *     | *     |
| SFUCR040032(EL48) nAcO | 4                | 0.3                  | 4                    | 48                        | 100                 | 6                      | 49.72                             | 51.34 | *     | *     | *     |
| SFUCR040052(EL08) nAcO | 4                | 0.5                  | 4                    | 8                         | 60                  | 6                      | 8.47                              | 8.74  | 9.04  | 9.35  | 10.06 |
| SFUCR040052(EL20) nAcO | 4                | 0.5                  | 4                    | 20                        | 60                  | 6                      | 20.84                             | 21.52 | 22.24 | 23.02 | *     |
| SFUCR040052(EL32) nAcO | 4                | 0.5                  | 4                    | 32                        | 75                  | 6                      | 33.22                             | 34.30 | 35.45 | *     | *     |
| SFUCR040052(EL48) nAcO | 4                | 0.5                  | 4                    | 48                        | 100                 | 6                      | 49.72                             | 51.34 | *     | *     | *     |
| SFUCR040102(EL08) nAcO | 4                | 1                    | 4                    | 8                         | 60                  | 6                      | 8.47                              | 8.74  | 9.04  | 9.35  | 10.06 |

- HRC > 40
- HRC > 45
- HRC > 50
- HRC > 55
- HRC > 60
- HRC > 65
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]

Application 適用材質 :

◎ Recommend 最適合 ○ Suitable 適合 X Not Recommend 不建議

| carbon steel,<br>Alloy steel<br>炭素鋼, 合金鋼 | Pre-hardened steel<br>預硬鋼 | High-hardened<br>高硬度鋼 |        |        |        | Stainless steel<br>不銹鋼 | Copper alloy<br>銅合金, 銅 | Aluminun alloy<br>鋁合金 |
|--|---------------------------|-----------------------|--------|--------|--------|------------------------|------------------------|-----------------------|
|  | ~45HRC                    | ~50HRC                | ~55HRC | ~60HRC | ~65HRC |                        |                        |                       |
| ○  | ○                         | ○                     | ◎      | ◎      | ◎      | ○                      |                        |                       |



圓鼻長頸

# SPEED TIGER

## Long Neck Corner Radius - 2 flutes

### 圓鼻2刃長頸立銑刀

200 Nano

HRC 65

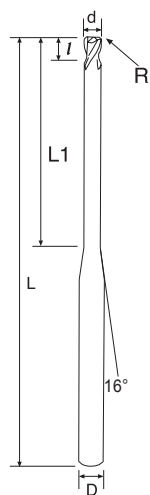
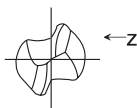
35°

R

nACo

● Super Ultra Fine Micro Grain Carbide

● WC=91 Co=9 HRA=93.2 Rupture=4000N/mm<sup>2</sup> Grain Size=0.2μm



| Mode<br>型號             | Diameter<br>d 刃徑 | Corner Radius<br>R 角 | Flute Length<br>l 刃長 | Efficient Length<br>L1有效長 | Full Length<br>L全長 | Shank Diameter<br>D 柄徑 | Effective Leng by Inclined Angles |       |       |       |    |
|------------------------|------------------|----------------------|----------------------|---------------------------|--------------------|------------------------|-----------------------------------|-------|-------|-------|----|
|                        |                  |                      |                      |                           |                    |                        | 0.5°                              | 1°    | 1.5°  | 2°    | 3° |
| SFUCR040102(EL20) nACo | 4                | 1                    | 4                    | 20                        | 60                 | 6                      | 20.84                             | 21.52 | 22.24 | 23.02 | *  |
| SFUCR040102(EL32) nACo | 4                | 1                    | 4                    | 32                        | 75                 | 6                      | 33.22                             | 34.30 | 35.45 | *     | *  |
| SFUCR040102(EL48) nACo | 4                | 1                    | 4                    | 48                        | 100                | 6                      | 49.72                             | 51.34 | *     | *     | *  |
| SFUCR050302(EL20) nACo | 5                | 0.3                  | 5                    | 20                        | 75                 | 6                      | 20.84                             | 21.52 | *     | *     | *  |
| SFUCR050302(EL40) nACo | 5                | 0.3                  | 5                    | 40                        | 100                | 6                      | 41.47                             | *     | *     | *     | *  |
| SFUCR050502(EL20) nACo | 5                | 0.5                  | 5                    | 20                        | 75                 | 6                      | 20.84                             | 21.52 | *     | *     | *  |
| SFUCR050502(EL40) nACo | 5                | 0.5                  | 5                    | 40                        | 100                | 6                      | 41.47                             | *     | *     | *     | *  |
| SFUCR051002(EL20) nACo | 5                | 1                    | 5                    | 20                        | 75                 | 6                      | 20.84                             | 21.52 | *     | *     | *  |
| SFUCR051002(EL40) nACo | 5                | 1                    | 5                    | 40                        | 100                | 6                      | 41.47                             | *     | *     | *     | *  |
| SFUCR060012(EL12) nACo | 6                | 0.1                  | 6                    | 12                        | 60                 | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060012(EL30) nACo | 6                | 0.1                  | 6                    | 30                        | 100                | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060012(EL60) nACo | 6                | 0.1                  | 6                    | 60                        | 120                | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060032(EL30) nACo | 6                | 0.3                  | 6                    | 30                        | 100                | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060052(EL60) nACo | 6                | 0.5                  | 6                    | 60                        | 120                | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060052(EL12) nACo | 6                | 0.5                  | 6                    | 12                        | 60                 | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060052(EL30) nACo | 6                | 0.5                  | 6                    | 30                        | 100                | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060052(EL60) nACo | 6                | 0.5                  | 6                    | 60                        | 120                | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060102(EL12) nACo | 6                | 1                    | 6                    | 12                        | 60                 | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060102(EL30) nACo | 6                | 1                    | 6                    | 30                        | 100                | 6                      | *                                 | *     | *     | *     | *  |
| SFUCR060102(EL60) nACo | 6                | 1                    | 6                    | 60                        | 120                | 6                      | *                                 | *     | *     | *     | *  |

- HRC > 40
- HRC > 45
- HRC > 50
- HRC > 55
- HRC > 60
- HRC > 65
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]
- [Symbol]

Application 適用材質：

◎ Recommend 最適合 ○ Suitable 適合 X Not Recommend 不建議

| carbon steel,<br>Alloy steel<br>炭素鋼,合金鋼 | Pre-hardened steel<br>預硬鋼 | High-hardened<br>高硬度鋼 |        |        |        | Stainless steel<br>不銹鋼 | Copper alloy<br>銅合金,鋼 | Aluminum alloy<br>鋁合金 |
|---|---------------------------|-----------------------|--------|--------|--------|------------------------|-----------------------|-----------------------|
|   | ~45HRC                    | ~50HRC                | ~55HRC | ~60HRC | ~65HRC |                        |                       |                       |
| ○                                       | ○                         | ○                     | ◎      | ◎      | ◎      | ○                      |                       |                       |