



MG

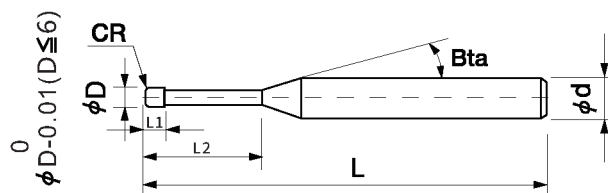
DLC  
Coating

  
30
SD  
0-0.005R  
±0.005

Highly recommend ★ ○ ○  
/Recommend/Suggest

## Specialty

- \* Ultra-fine micro-particles tungsten steel raw materials developed for tungsten copper;
- \* The special flute design and coating achieve high surface finish and ultra-long life of tungsten copper material.



2 Flutes

| DIE STEEL                            | Grade |
|--------------------------------------|-------|
| Carbon steels (S45C/S55C)            |       |
| Alloy steels (SK/SCM/SUS)            |       |
| Prehardened steels (NAK/HPM)         |       |
| Hardened steels (~55/~60/~70HRC)     |       |
| SPECIAL MATERIAL                     |       |
| Aluminum alloys                      |       |
| Graphite                             |       |
| Copper                               |       |
| Plastics                             |       |
| Tungsten copper                      | ★     |
| Carbon fiber                         |       |
| Titanium alloys                      |       |
| Heat resistant alloys                |       |
| Cemented carbide                     |       |
| Hard brittle (non-metallic) material |       |

## Total 22 models

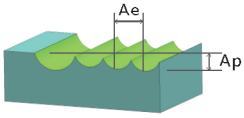
Unit (mm)

| Model Number     | D<br>Outside Diameter | L1<br>Length of Cut | L2<br>Effective Length | CR<br>Corner Radius | Bta<br>Shank Taper Angle | L<br>Overall Length | T<br>Number of Flutes | d<br>Shank Diameter | In Stock |
|------------------|-----------------------|---------------------|------------------------|---------------------|--------------------------|---------------------|-----------------------|---------------------|----------|
| CGLSR2-002005005 | D0.2                  | 0.05                | 0.5                    | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-002005010 | D0.2                  | 0.05                | 1                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-003005005 | D0.3                  | 0.05                | 0.5                    | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-003005010 | D0.3                  | 0.05                | 1                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-005005020 | D0.5                  | 0.05                | 2                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-005005040 | D0.5                  | 0.05                | 4                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-005005060 | D0.5                  | 0.05                | 6                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00501020  | D0.5                  | 0.1                 | 2                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00501040  | D0.5                  | 0.1                 | 4                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00501060  | D0.5                  | 0.1                 | 6                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-006005020 | D0.6                  | 0.05                | 2                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-006005040 | D0.6                  | 0.05                | 4                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-006005060 | D0.6                  | 0.05                | 6                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00601020  | D0.6                  | 0.1                 | 2                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00601040  | D0.6                  | 0.1                 | 4                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00601060  | D0.6                  | 0.1                 | 6                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-008005020 | D0.8                  | 0.05                | 2                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-008005040 | D0.8                  | 0.05                | 4                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-008005060 | D0.8                  | 0.05                | 6                      | R0.05               | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00801020  | D0.8                  | 0.1                 | 2                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00801040  | D0.8                  | 0.1                 | 4                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |
| CGLSR2-00801060  | D0.8                  | 0.1                 | 6                      | R0.1                | 15°                      | 50                  | 2                     | 4                   | ○        |

\*New size added from this series.

○ Stocked items.

Long Neck  
Radius



| Work Material    |                          | Tungsten Copper  |                  |
|------------------|--------------------------|------------------|------------------|
| (mm)<br>Diameter | (mm)<br>Effective Length | (min-1)<br>Speed | (mm/min)<br>Feed |
| D0.2             | 0.5                      | 30000            | 150              |
| D0.2             | 1                        | 30000            | 100              |
| 0.3              | 0.5                      | 28000            | 300              |
| 0.3              | 1                        | 26000            | 200              |
| D0.5             | 2                        | 15000            | 300              |
| D0.5             | 4                        | 13000            | 180              |
| D0.5             | 6                        | 12000            | 120              |
| D0.5             | 2                        | 15000            | 300              |
| D0.5             | 4                        | 13000            | 180              |
| D0.5             | 6                        | 12000            | 120              |
| D0.6             | 2                        | 16000            | 600              |
| D0.6             | 4                        | 12000            | 350              |
| D0.6             | 6                        | 10000            | 200              |
| D0.6             | 2                        | 16000            | 600              |
| D0.6             | 4                        | 12000            | 350              |
| D0.6             | 6                        | 10000            | 200              |
| D0.8             | 2                        | 16000            | 1000             |
| D0.8             | 4                        | 13000            | 600              |
| D0.8             | 6                        | 12000            | 500              |
| D0.8             | 2                        | 16000            | 1000             |
| D0.8             | 4                        | 13000            | 600              |
| D0.8             | 6                        | 12000            | 400              |

Note:

\* Decrease both spindle speed and feed rate proportionally when the milling parameters exceed the machine's maximum spindle speed.

2 Flutes

Long Neck  
Radius