



MG

DLC
Coating

30

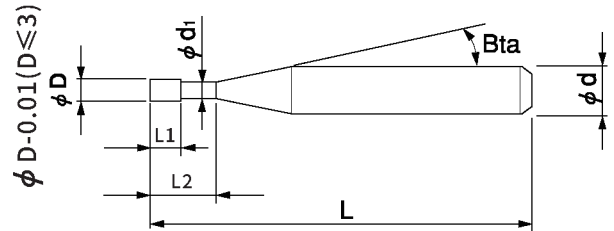
SD
0-0.005

Highly recommend ★ ○ ○
/Recommend/Suggest

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	

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.



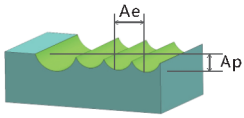
Total 19 models

Unit (mm)

Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
CGLS4-010040	1	2	4	15°	50	4	4	○
CGLS4-010060	1	2	6	15°	50	4	4	○
CGLS4-010080	1	2	8	15°	50	4	4	○
CGLS4-010100	1	2	10	15°	50	4	4	○
CGLS4-010120	1	2	12	15°	50	4	4	○
CGLS4-010160	1	2	16	15°	50	4	4	○
CGLS4-010200	1	2	20	15°	50	4	4	○
CGLS4-015060	1.5	3	6	15°	50	4	4	○
CGLS4-015100	1.5	3	10	15°	50	4	4	○
CGLS4-015160	1.5	3	16	15°	50	4	4	○
CGLS4-015200	1.5	3	20	15°	50	4	4	○
CGLS4-020080	2	4	8	15°	50	4	4	○
CGLS4-020100	2	4	10	15°	50	4	4	○
CGLS4-020120	2	4	12	15°	50	4	4	○
CGLS4-020160	2	4	16	15°	50	4	4	○
CGLS4-020200	2	4	20	15°	50	4	4	○
CGLS4-030120	3	9	12	15°	50	4	4	○
CGLS4-030160	3	9	16	15°	50	4	4	○
CGLS4-030200	3	9	20	15°	50	4	4	○

*New size added from this series.

○ Stocked items.



Processing Parameters

Work Material		Tungsten Copper	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed
D1.0	4	12000	800
D1.0	6	10000	600
D1.0	8	9000	300
D1.0	10	8000	120
D1.0	12	8000	100
D1.0	16	7000	80
D1.0	20	7000	60
D1.5	6	11000	1000
D1.5	10	9000	600
D1.5	16	8000	300
D1.5	20	7000	100
D2.0	8	10000	1500
D2.0	10	9000	1000
D2.0	12	9000	800
D2.0	16	8000	600
D2.0	20	7000	300
D3.0	12	10000	1800
D3.0	16	8000	1200
D3.0	20	7000	800

Note:

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

*Recommend using a non-contact measuring device to avoid damaging the precision tip point.

4 Flutes

Long Neck
Square