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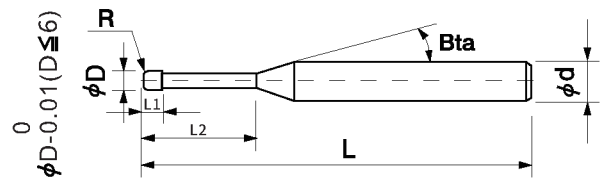
DLC
CoatingSD
0-0.005R
±0.005

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 51 models

Unit (mm)

Model Number	D Outside Diameter	L1 Length of Cut	L2 Effective Length	CR Corner Radius	Bta Shank Taper Angle	L Overall Length	T Number of Flutes	d Shank Diameter	In Stock
CGLSR4-010005040	1	2	4	0.05	15°	50	4	4	○
CGLSR4-010005060	1	2	6	0.05	15°	50	4	4	○
CGLSR4-010005080	1	2	8	0.05	15°	50	4	4	○
CGLSR4-010005100	1	2	10	0.05	15°	50	4	4	○
CGLSR4-01001040	1	2	4	0.1	15°	50	4	4	○
CGLSR4-01001060	1	2	6	0.1	15°	50	4	4	○
CGLSR4-01001080	1	2	8	0.1	15°	50	4	4	○
CGLSR4-01001100	1	2	10	0.1	15°	50	4	4	○
CGLSR4-01501060	1.5	3	6	0.1	15°	50	4	4	○
CGLSR4-01501080	1.5	3	8	0.1	15°	50	4	4	○
CGLSR4-01501100	1.5	3	10	0.1	15°	50	4	4	○
CGLSR4-01501120	1.5	3	12	0.1	15°	50	4	4	○
CGLSR4-01501160	1.5	3	16	0.1	15°	50	4	4	○
CGLSR4-01502060	1.5	3	6	0.2	15°	50	4	4	○
CGLSR4-01502080	1.5	3	8	0.2	15°	50	4	4	○
CGLSR4-01502100	1.5	3	10	0.2	15°	50	4	4	○
CGLSR4-01502120	1.5	3	12	0.2	15°	50	4	4	○
CGLSR4-01502160	1.5	3	16	0.2	15°	50	4	4	○
CGLSR4-02001060	2	4	6	0.1	15°	50	4	4	○

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Total 51 models

Unit (mm)

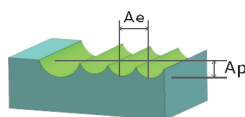
Model Number	D Outside Diameter	L1 Length of Cut	L2 Effective Length	CR Corner Radius	Bta Shank Taper Angle	L Overall Length	T Number of Flutes	d Shank Diameter	In Stock
CGLSR4-02001080	2	4	8	0.1	15°	50	4	4	○
CGLSR4-02001100	2	4	10	0.1	15°	50	4	4	○
CGLSR4-02001120	2	4	12	0.1	15°	50	4	4	○
CGLSR4-02001160	2	4	16	0.1	15°	50	4	4	○
CGLSR4-02001200	2	4	20	0.1	15°	50	4	4	○
CGLSR4-02002060	2	4	6	0.2	15°	50	4	4	○
CGLSR4-02002080	2	4	8	0.2	15°	50	4	4	○
CGLSR4-02002100	2	4	10	0.2	15°	50	4	4	○
CGLSR4-02002120	2	4	12	0.2	15°	50	4	4	○
CGLSR4-02002160	2	4	16	0.2	15°	50	4	4	○
CGLSR4-02002200	2	4	20	0.2	15°	50	4	4	○
CGLSR4-02005060	2	4	6	0.5	15°	50	4	4	○
CGLSR4-02005080	2	4	8	0.5	15°	50	4	4	○
CGLSR4-02005100	2	4	10	0.5	15°	50	4	4	○
CGLSR4-02005120	2	4	12	0.5	15°	50	4	4	○
CGLSR4-02005160	2	4	16	0.5	15°	50	4	4	○
CGLSR4-02005200	2	4	20	0.5	15°	50	4	4	○
CGLSR4-03001120	3	6	12	0.1	15°	50	4	4	○
CGLSR4-03001160	3	6	16	0.1	15°	50	4	4	○
CGLSR4-03001200	3	6	20	0.1	15°	50	4	4	○
CGLSR4-03001250	3	6	25	0.1	15°	60	4	4	○
CGLSR4-03001300	3	6	30	0.1	15°	75	4	4	○
CGLSR4-03002120	3	6	12	0.2	15°	50	4	4	○
CGLSR4-03002160	3	6	16	0.2	15°	50	4	4	○
CGLSR4-03002200	3	6	20	0.2	15°	50	4	4	○
CGLSR4-03002250	3	6	25	0.2	15°	60	4	4	○
CGLSR4-03002300	3	6	30	0.2	15°	75	4	4	○
CGLSR4-03005120	3	6	12	0.5	15°	50	4	4	○
CGLSR4-03005160	3	6	16	0.5	15°	50	4	4	○
CGLSR4-03005200	3	6	20	0.5	15°	50	4	4	○
CGLSR4-03005250	3	6	25	0.5	15°	60	4	4	○
CGLSR4-03005300	3	6	30	0.5	15°	75	4	4	○

*New size added from this series.

○ Stocked items.

4 Flutes

Long Neck
Radius



Work Material		Tungsten Copper	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed
D1	4	12000	800
D1	6	10000	600
D1	8	8500	400
D1	10	7500	300
D1	4	12000	800
D1	6	10000	600
D1	8	8500	400
D1	10	7500	300
D1.5	6	10000	1200
D1.5	8	8500	800
D1.5	10	7500	500
D1.5	12	7000	300
D1.5	16	6000	300
D1.5	6	10000	1200
D1.5	8	8500	800
D1.5	10	7500	500
D1.5	12	7000	300
D1.5	16	6000	300
D2.0	6	12000	1500
D2.0	8	10000	1100
D2.0	10	9000	1000
D2.0	12	8500	800
D2.0	16	7000	600
D2.0	20	7000	400
D2.0	6	12000	1500
D2.0	8	10000	1100
D2.0	10	9000	1000
D2.0	12	8500	800
D2.0	16	7000	600
D2.0	20	7000	400
D2.0	6	12000	1500
D2.0	8	10000	1100
D2.0	10	9000	1000
D2.0	12	8500	800
D2.0	16	7000	600

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Work Material		Tungsten Copper	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed
D2.0	20	7000	400
D3.0	12	10000	1800
D3.0	16	8500	1400
D3.0	20	8000	1200
D3.0	25	7000	800
D3.0	30	6000	500
D3.0	12	10000	1800
D3.0	16	8500	1400
D3.0	20	8000	1200
D3.0	25	7000	800
D3.0	30	6000	500
D3.0	12	10000	1800
D3.0	16	8500	1400
D3.0	20	8000	1200
D3.0	25	7000	800
D3.0	30	6000	500

Note:

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

4 Flutes

Long Neck
Radius