



MG

DLC
Coating

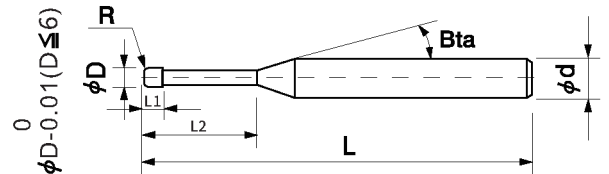
37.5
SD
0-0.003R
±0.005

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	○
Carbon fiber	
Titanium alloys	
Heat resistant alloys	
Cemented carbide	
Hard brittle (non-metallic) material	

Specialty

- * Special geometry design, sharp cutting edge, highly efficient milling and chip evacuation;
- * The coating, with good thermal stability, makes it maintain the hardness and mechanical properties under high temperature;
- * Lower coefficient of friction reduces wear during cutting and provides better surface quality;



Total 69 models

Unit (mm)

Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	CR Radius	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHDLSR4-01001040	D1.0	1.0	4	R0.1	12°	50	4	4	○
SHDLSR4-01001060	D1.0	1.0	6	R0.1	12°	50	4	4	○
SHDLSR4-01001080	D1.0	1.0	8	R0.1	12°	50	4	4	○
SHDLSR4-01001100	D1.0	1.0	10	R0.1	12°	50	4	4	○
SHDLSR4-01001120	D1.0	1.0	12	R0.1	12°	50	4	4	○
SHDLSR4-01002040	D1.0	1.0	4	R0.2	12°	50	4	4	○
SHDLSR4-01002060	D1.0	1.0	6	R0.2	12°	50	4	4	○
SHDLSR4-01002080	D1.0	1.0	8	R0.2	12°	50	4	4	○
SHDLSR4-01002100	D1.0	1.0	10	R0.2	12°	50	4	4	○
SHDLSR4-01002120	D1.0	1.0	12	R0.2	12°	50	4	4	○
SHDLSR4-01501040	D1.5	1.5	4	R0.1	12°	50	4	4	○
SHDLSR4-01501060	D1.5	1.5	6	R0.1	12°	50	4	4	○
SHDLSR4-01501080	D1.5	1.5	8	R0.1	12°	50	4	4	○
SHDLSR4-01501100	D1.5	1.5	10	R0.1	12°	50	4	4	○
SHDLSR4-01501120	D1.5	1.5	12	R0.1	12°	50	4	4	○
SHDLSR4-01502040	D1.5	1.5	4	R0.2	12°	50	4	4	○
SHDLSR4-01502060	D1.5	1.5	6	R0.2	12°	50	4	4	○
SHDLSR4-01502080	D1.5	1.5	8	R0.2	12°	50	4	4	○
SHDLSR4-01502100	D1.5	1.5	10	R0.2	12°	50	4	4	○
SHDLSR4-01502120	D1.5	1.5	12	R0.2	12°	50	4	4	○

Next page →

Total 69 models

Unit (mm)

Model Number	D Outside Diameter	L1 Length of cut	L2 Effective length	CR Radius	Bta Shank Taper Angle	L Overall Length	T Number of flutes	d Shank Diameter	In Stock
SHDLSR4-02001060	D2.0	2.0	6	R0.1	12°	50	4	4	○
SHDLSR4-02001080	D2.0	2.0	8	R0.1	12°	50	4	4	○
SHDLSR4-02001100	D2.0	2.0	10	R0.1	12°	50	4	4	○
SHDLSR4-02001120	D2.0	2.0	12	R0.1	12°	50	4	4	○
SHDLSR4-02001160	D2.0	2.0	16	R0.1	12°	50	4	4	○
SHDLSR4-02002060	D2.0	2.0	6	R0.2	12°	50	4	4	○
SHDLSR4-02002080	D2.0	2.0	8	R0.2	12°	50	4	4	○
SHDLSR4-02002100	D2.0	2.0	10	R0.2	12°	50	4	4	○
SHDLSR4-02002120	D2.0	2.0	12	R0.2	12°	50	4	4	○
SHDLSR4-02002160	D2.0	2.0	16	R0.2	12°	50	4	4	○
SHDLSR4-03001080	D3.0	3.0	8	R0.1	12°	50	4	4	○
SHDLSR4-03001100	D3.0	3.0	10	R0.1	12°	50	4	4	○
SHDLSR4-03001120	D3.0	3.0	12	R0.1	12°	50	4	4	○
SHDLSR4-03001160	D3.0	3.0	16	R0.1	12°	50	4	4	○
SHDLSR4-03001200	D3.0	3.0	20	R0.1	12°	50	4	4	○
SHDLSR4-03002080	D3.0	3.0	8	R0.2	12°	50	4	4	○
SHDLSR4-03002100	D3.0	3.0	10	R0.2	12°	50	4	4	○
SHDLSR4-03002120	D3.0	3.0	12	R0.2	12°	50	4	4	○
SHDLSR4-03002160	D3.0	3.0	16	R0.2	12°	50	4	4	○
SHDLSR4-03002200	D3.0	3.0	20	R0.2	12°	50	4	4	○
SHDLSR4-03005080	D3.0	3.0	8	R0.5	12°	50	4	4	○
SHDLSR4-03005100	D3.0	3.0	10	R0.5	12°	50	4	4	○
SHDLSR4-03005120	D3.0	3.0	12	R0.5	12°	50	4	4	○
SHDLSR4-03005160	D3.0	3.0	16	R0.5	12°	50	4	4	○
SHDLSR4-03005200	D3.0	3.0	20	R0.5	12°	50	4	4	○
SHDLSR4-03001080-6	D3.0	3.0	8	R0.1	12°	50	4	6	○
SHDLSR4-03001100-6	D3.0	3.0	10	R0.1	12°	60	4	6	○
SHDLSR4-03001120-6	D3.0	3.0	12	R0.1	12°	60	4	6	○
SHDLSR4-03001160-6	D3.0	3.0	16	R0.1	12°	60	4	6	○
SHDLSR4-03001200-6	D3.0	3.0	20	R0.1	12°	60	4	6	○
SHDLSR4-03002080-6	D3.0	3.0	8	R0.2	12°	60	4	6	○
SHDLSR4-03002100-6	D3.0	3.0	10	R0.2	12°	60	4	6	○
SHDLSR4-03002120-6	D3.0	3.0	12	R0.2	12°	60	4	6	○
SHDLSR4-03002160-6	D3.0	3.0	16	R0.2	12°	60	4	6	○
SHDLSR4-03002200-6	D3.0	3.0	20	R0.2	12°	60	4	6	○
SHDLSR4-03005080-6	D3.0	3.0	8	R0.5	12°	60	4	6	○
SHDLSR4-03005100-6	D3.0	3.0	10	R0.5	12°	60	4	6	○
SHDLSR4-03005120-6	D3.0	3.0	12	R0.5	12°	60	4	6	○

4 Flutes

Long Neck Radius

Next page →

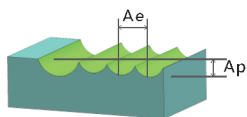
Total 69 models

Unit (mm)

Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	CR Radius	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHDLSR4-03005160-6	D3.0	3.0	16	R0.5	12°	60	4	6	○
SHDLSR4-03005200-6	D3.0	3.0	20	R0.5	12°	60	4	6	○
SHDLSR4-04001120-6	D4.0	4.0	12	R0.1	12°	60	4	6	○
SHDLSR4-04001160-6	D4.0	4.0	16	R0.1	12°	60	4	6	○
SHDLSR4-04001200-6	D4.0	4.0	20	R0.1	12°	60	4	6	○
SHDLSR4-04002120-6	D4.0	4.0	12	R0.2	12°	60	4	6	○
SHDLSR4-04002160-6	D4.0	4.0	16	R0.2	12°	60	4	6	○
SHDLSR4-04002200-6	D4.0	4.0	20	R0.2	12°	60	4	6	○
SHDLSR4-04005120-6	D4.0	4.0	12	R0.5	12°	60	4	6	○
SHDLSR4-04005160-6	D4.0	4.0	16	R0.5	12°	60	4	6	○
SHDLSR4-04005200-6	D4.0	4.0	20	R0.5	12°	60	4	6	○

*New size added from this series.

○ Stocked items.



Work Material		Oxygen-free & Copper	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed
D1.0	4	13000	1300
D1.0	6	11000	1000
D1.0	8	10000	800
D1.0	10	8500	500
D1.0	12	7500	300
D1.0	4	13000	1300
D1.0	6	11000	1000
D1.0	8	10000	800
D1.0	10	8500	500
D1.0	12	7500	300
D1.5	6	12000	1300
D1.5	8	10000	1000
D1.5	10	9000	900
D1.5	12	8500	800
D1.5	6	12000	1500
D1.5	8	10000	1000
D1.5	10	9000	900
D1.5	12	8500	800
D2.0	6	13000	1800
D2.0	8	11000	1500
D2.0	10	10000	1200
D2.0	12	9000	1000
D2.0	16	8000	800
D2.0	6	13000	1800
D2.0	8	11000	1500
D2.0	10	10000	1200
D2.0	12	9000	1000
D2.0	16	8000	800
D3.0	6	13000	2200
D3.0	8	12000	2200
D3.0	12	10000	2000
D3.0	16	9000	1600
D3.0	20	8500	1400
D3.0	6	13000	2200
D3.0	8	12000	2200

4 Flutes

Long Neck
Radius

Next page →

Work Material		Oxygen-free & Copper	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed
D3.0	12	10000	2000
D3.0	16	9000	1600
D3.0	20	8500	1400
D3.0	6	13000	2200
D3.0	8	12000	2200
D3.0	12	10000	2000
D3.0	16	9000	1600
D3.0	20	8500	1400
D3.0	6	13000	2200
D3.0	8	12000	2200
D3.0	12	10000	2000
D3.0	16	9000	1600
D3.0	20	8500	1400
D3.0	6	13000	2200
D3.0	8	12000	2200
D3.0	12	10000	2000
D3.0	16	9000	1600
D3.0	20	8500	1400
D3.0	6	13000	2200
D3.0	8	12000	2200
D3.0	12	10000	2000
D3.0	16	9000	1600
D3.0	20	8500	1400
D3.0	6	13000	2200
D3.0	8	12000	2200
D3.0	12	10000	2000
D3.0	16	9000	1600
D3.0	20	8500	1400
D4.0	8	11000	2200
D4.0	10	11000	2200
D4.0	20	7500	1600
D4.0	8	11000	2200
D4.0	10	11000	2200
D4.0	20	7500	1600
D4.0	8	11000	2200
D4.0	10	11000	2200
D4.0	20	7500	1600

Note:

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

*Recommend oil coolant for Stainless Steels and Heat Resistance Alloys.