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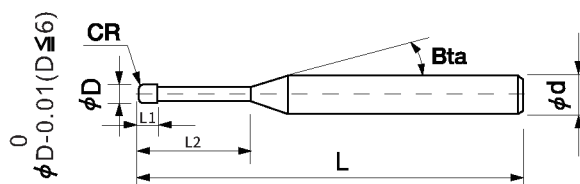
DLC
CoatingSD
0-0.003R
±0.005

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;



2 Flutes

Total 71 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
SHDLSR2-003005010	D0.3	0.25	1	R0.05	12°	50	2	4	○
SHDLSR2-003005020	D0.3	0.25	2	R0.05	12°	50	2	4	○
SHDLSR2-004005010	D0.4	0.32	1	R0.05	12°	50	2	4	○
SHDLSR2-004005020	D0.4	0.32	2	R0.05	12°	50	2	4	○
SHDLSR2-004005030	D0.4	0.32	3	R0.05	12°	50	2	4	○
SHDLSR2-004005040	D0.4	0.32	4	R0.05	12°	50	2	4	○
SHDLSR2-00401010	D0.4	0.32	1	R0.1	12°	50	2	4	○
SHDLSR2-00401020	D0.4	0.32	2	R0.1	12°	50	2	4	○
SHDLSR2-00401030	D0.4	0.32	3	R0.1	12°	50	2	4	○
SHDLSR2-00401040	D0.4	0.32	4	R0.1	12°	50	2	4	○
SHDLSR2-005005010	D0.5	0.4	1	R0.05	12°	50	2	4	○
SHDLSR2-005005020	D0.5	0.4	2	R0.05	12°	50	2	4	○
SHDLSR2-005005030	D0.5	0.4	3	R0.05	12°	50	2	4	○
SHDLSR2-005005040	D0.5	0.4	4	R0.05	12°	50	2	4	○
SHDLSR2-00501010	D0.5	0.4	1	R0.1	12°	50	2	4	○
SHDLSR2-00501020	D0.5	0.4	2	R0.1	12°	50	2	4	○
SHDLSR2-00501030	D0.5	0.4	3	R0.1	12°	50	2	4	○
SHDLSR2-00501040	D0.5	0.4	4	R0.1	12°	50	2	4	○
SHDLSR2-006005020	D0.6	0.5	2	R0.05	12°	50	2	4	○
SHDLSR2-006005030	D0.6	0.5	3	R0.05	12°	50	2	4	○
SHDLSR2-006005040	D0.6	0.5	4	R0.05	12°	50	2	4	○
SHDLSR2-006005060	D0.6	0.5	6	R0.05	12°	50	2	4	○

Long Neck
Radius

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Total 71 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
SHDLSR2-00601020	D0.6	0.5	2	R0.1	12°	50	2	4	○
SHDLSR2-00601030	D0.6	0.5	3	R0.1	12°	50	2	4	○
SHDLSR2-00601040	D0.6	0.5	4	R0.1	12°	50	2	4	○
SHDLSR2-00601060	D0.6	0.5	6	R0.1	12°	50	2	4	○
SHDLSR2-008005020	D0.8	0.65	2	R0.05	12°	50	2	4	○
SHDLSR2-008005030	D0.8	0.65	3	R0.05	12°	50	2	4	○
SHDLSR2-008005040	D0.8	0.65	4	R0.05	12°	50	2	4	○
SHDLSR2-008005060	D0.8	0.65	6	R0.05	12°	50	2	4	○
SHDLSR2-008005080	D0.8	0.65	8	R0.05	12°	50	2	4	○
SHDLSR2-00801020	D0.8	0.65	2	R0.1	12°	50	2	4	○
SHDLSR2-00801030	D0.8	0.65	3	R0.1	12°	50	2	4	○
SHDLSR2-00801040	D0.8	0.65	4	R0.1	12°	50	2	4	○
SHDLSR2-00801060	D0.8	0.65	6	R0.1	12°	50	2	4	○
SHDLSR2-00801080	D0.8	0.65	8	R0.1	12°	50	2	4	○
SHDLSR2-00802020	D0.8	0.65	2	R0.2	12°	50	2	4	○
SHDLSR2-00802030	D0.8	0.65	3	R0.2	12°	50	2	4	○
SHDLSR2-00802040	D0.8	0.65	4	R0.2	12°	50	2	4	○
SHDLSR2-00802060	D0.8	0.65	6	R0.2	12°	50	2	4	○
SHDLSR2-00802080	D0.8	0.65	8	R0.2	12°	50	2	4	○
SHDLSR2-01001040	D1.0	1.0	4	R0.1	12°	50	2	4	○
SHDLSR2-01001060	D1.0	1.0	6	R0.1	12°	50	2	4	○
SHDLSR2-01001080	D1.0	1.0	8	R0.1	12°	50	2	4	○
SHDLSR2-01001100	D1.0	1.0	10	R0.1	12°	50	2	4	○
SHDLSR2-01001120	D1.0	1.0	12	R0.1	12°	50	2	4	○
SHDLSR2-01002040	D1.0	1.0	4	R0.2	12°	50	2	4	○
SHDLSR2-01002060	D1.0	1.0	6	R0.2	12°	50	2	4	○
SHDLSR2-01002080	D1.0	1.0	8	R0.2	12°	50	2	4	○
SHDLSR2-01002100	D1.0	1.0	10	R0.2	12°	50	2	4	○
SHDLSR2-01002120	D1.0	1.0	12	R0.2	12°	50	2	4	○
SHDLSR2-01501040	D1.5	1.5	4	R0.1	12°	50	2	4	○
SHDLSR2-01501060	D1.5	1.5	6	R0.1	12°	50	2	4	○
SHDLSR2-01501080	D1.5	1.5	8	R0.1	12°	50	2	4	○
SHDLSR2-01501100	D1.5	1.5	10	R0.1	12°	50	2	4	○
SHDLSR2-01501120	D1.5	1.5	12	R0.1	12°	50	2	4	○
SHDLSR2-01502040	D1.5	1.5	4	R0.2	12°	50	2	4	○
SHDLSR2-01502060	D1.5	1.5	6	R0.2	12°	50	2	4	○
SHDLSR2-01502080	D1.5	1.5	8	R0.2	12°	50	2	4	○
SHDLSR2-01502100	D1.5	1.5	10	R0.2	12°	50	2	4	○

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2 Flutes

Long Neck Radius

Total 71 models

Unit (mm)

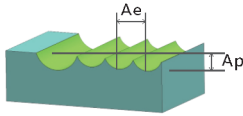
Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	CR Radius	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHDLSR2-01502120	D1.5	1.5	12	R0.2	12°	50	2	4	○
SHDLSR2-02001060	D2.0	2.0	6	R0.1	12°	50	2	4	○
SHDLSR2-02001080	D2.0	2.0	8	R0.1	12°	50	2	4	○
SHDLSR2-02001100	D2.0	2.0	10	R0.1	12°	50	2	4	○
SHDLSR2-02001120	D2.0	2.0	12	R0.1	12°	50	2	4	○
SHDLSR2-02001160	D2.0	2.0	16	R0.1	12°	50	2	4	○
SHDLSR2-02002060	D2.0	2.0	6	R0.2	12°	50	2	4	○
SHDLSR2-02002080	D2.0	2.0	8	R0.2	12°	50	2	4	○
SHDLSR2-02002100	D2.0	2.0	10	R0.2	12°	50	2	4	○
SHDLSR2-02002120	D2.0	2.0	12	R0.2	12°	50	2	4	○
SHDLSR2-02002160	D2.0	2.0	16	R0.2	12°	50	2	4	○

*New size added from this series.

○ Stocked items.

2 Flutes

Long Neck Radius



Work Material		Oxygen-free & Copper	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed
D0.3	1	30000	240
D0.3	2	30000	120
D0.4	1	26000	300
D0.4	2	24000	260
D0.4	3	22000	180
D0.4	4	18000	120
D0.4	1	26000	300
D0.4	2	24000	220
D0.4	3	22000	180
D0.4	4	18000	120
D0.5	1	20000	500
D0.5	2	18000	360
D0.5	4	16000	200
D0.5	6	14000	120
D0.5	1	20000	500
D0.5	2	18000	360
D0.5	4	16000	200
D0.5	6	14000	120
D0.6	2	16000	700
D0.6	4	13000	400
D0.6	6	11000	200
D0.6	8	10000	120
D0.6	2	16000	700
D0.6	4	13000	400
D0.6	6	11000	200
D0.6	8	10000	120
D0.8	2	16000	1200
D0.8	4	14000	800
D0.8	6	13000	600
D0.8	8	12000	300
D0.8	2	16000	1200
D0.8	4	14000	800
D0.8	6	13000	500
D0.8	8	12000	300
D0.8	2	16000	1200
D0.8	4	14000	800

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Work Material		Oxygen-free & Copper	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed
D0.8	6	13000	500
D0.8	8	12000	300
D1.0	4	13000	1000
D1.0	6	11000	700
D1.0	8	10000	500
D1.0	10	8500	300
D1.0	10	8500	300
D1.0	4	13000	1000
D1.0	6	11000	700
D1.0	8	10000	500
D1.0	10	8500	300
D1.0	10	8500	300
D1.5	4	13000	1000
D1.5	6	10000	1000
D1.5	8	9000	800
D1.5	10	8500	700
D1.5	10	8500	700
D1.5	4	13000	1000
D1.5	6	10000	1000
D1.5	8	9000	800
D1.5	10	8500	700
D1.5	10	8500	700
D2	6	12000	1500
D2	8	11000	1000
D2	10	10000	900
D2	12	9000	800
D2	16	7500	600
D2	6	12000	1500
D2	8	11000	1000
D2	10	10000	900
D2	12	9000	800
D2	16	7500	600

2 Flutes

Long Neck
Radius

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.