



MG

HG
Coating

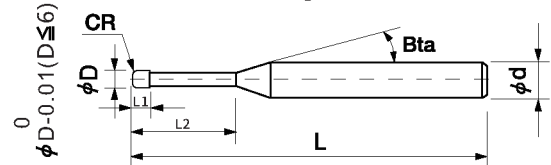
45
SD
0-0.003R
±0.005

Highly recommend ★○○○
/Recommend/Suggest

Specialty

*4 Flutes Radius End Mills for Mold Steel;

*Unique flute design, excellent performance on flat surface and contour milling.



The shank taper angle shown is not an exact value and to avoid contact with the workpiece, we recommend the user controls the precise value of this angle. Shank taper angle should not make contact with the workpiece.

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
SHGLSR2-002005005	D0.2	0.2	0.5	R0.05	12°	50	2	4	○
SHGLSR2-002005010	D0.2	0.2	1	R0.05	12°	50	2	4	○
SHGLSR2-002005015	D0.2	0.2	1.5	R0.05	12°	50	2	4	○
SHGLSR2-002005020	D0.2	0.2	2	R0.05	12°	50	2	4	○
SHGLSR2-003005005	D0.3	0.3	0.5	R0.05	12°	50	2	4	○
SHGLSR2-003005010	D0.3	0.3	1	R0.05	12°	50	2	4	○
SHGLSR2-003005015	D0.3	0.3	1.5	R0.05	12°	50	2	4	○
SHGLSR2-003005020	D0.3	0.3	2	R0.05	12°	50	2	4	○
SHGLSR2-003005030	D0.3	0.3	3	R0.05	12°	50	2	4	○
SHGLSR2-004005010	D0.4	0.4	1	R0.05	12°	50	2	4	○
SHGLSR2-004005020	D0.4	0.4	2	R0.05	12°	50	2	4	○
SHGLSR2-004005030	D0.4	0.4	3	R0.05	12°	50	2	4	○
SHGLSR2-004005040	D0.4	0.4	4	R0.05	12°	50	2	4	○
SHGLSR2-00401010	D0.4	0.4	1	R0.1	12°	50	2	4	○
SHGLSR2-00401020	D0.4	0.4	2	R0.1	12°	50	2	4	○
SHGLSR2-00401030	D0.4	0.4	3	R0.1	12°	50	2	4	○
SHGLSR2-00401040	D0.4	0.4	4	R0.1	12°	50	2	4	○
SHGLSR2-005005010	D0.5	0.5	1	R0.05	12°	50	2	4	○
SHGLSR2-005005020	D0.5	0.5	2	R0.05	12°	50	2	4	○
SHGLSR2-005005040	D0.5	0.5	4	R0.05	12°	50	2	4	○
SHGLSR2-005005060	D0.5	0.5	6	R0.05	12°	50	2	4	○
SHGLSR2-00501010	D0.5	0.5	1	R0.1	12°	50	2	4	○

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2 Flutes

Long Neck
Radius

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
SHGLSR2-00501020	D0.5	0.5	2	R0.1	12°	50	2	4	○
SHGLSR2-00501040	D0.5	0.5	4	R0.1	12°	50	2	4	○
SHGLSR2-00501060	D0.5	0.5	6	R0.1	12°	50	2	4	○
SHGLSR2-006005020	D0.6	0.6	2	R0.05	12°	50	2	4	○
SHGLSR2-006005040	D0.6	0.6	4	R0.05	12°	50	2	4	○
SHGLSR2-006005060	D0.6	0.6	6	R0.05	12°	50	2	4	○
SHGLSR2-006005080	D0.6	0.6	8	R0.05	12°	50	2	4	○
SHGLSR2-00601020	D0.6	0.6	2	R0.1	12°	50	2	4	○
SHGLSR2-00601040	D0.6	0.6	4	R0.1	12°	50	2	4	○
SHGLSR2-00601060	D0.6	0.6	6	R0.1	12°	50	2	4	○
SHGLSR2-00601080	D0.6	0.6	8	R0.1	12°	50	2	4	○
SHGLSR2-008005020	D0.8	0.8	2	R0.05	12°	50	2	4	○
SHGLSR2-008005040	D0.8	0.8	4	R0.05	12°	50	2	4	○
SHGLSR2-008005060	D0.8	0.8	6	R0.05	12°	50	2	4	○
SHGLSR2-008005080	D0.8	0.8	8	R0.05	12°	50	2	4	○
SHGLSR2-00801020	D0.8	0.8	2	R0.1	12°	50	2	4	○
SHGLSR2-00801040	D0.8	0.8	4	R0.1	12°	50	2	4	○
SHGLSR2-00801060	D0.8	0.8	6	R0.1	12°	50	2	4	○
SHGLSR2-00801080	D0.8	0.8	8	R0.1	12°	50	2	4	○
SHGLSR2-01001040	D1.0	1.0	4	R0.1	12°	50	2	4	○
SHGLSR2-01001060	D1.0	1.0	6	R0.1	12°	50	2	4	○
SHGLSR2-01001080	D1.0	1.0	8	R0.1	12°	50	2	4	○
SHGLSR2-01001100	D1.0	1.0	10	R0.1	12°	50	2	4	○
SHGLSR2-01002040	D1.0	1.0	4	R0.2	12°	50	2	4	○
SHGLSR2-01002060	D1.0	1.0	6	R0.2	12°	50	2	4	○
SHGLSR2-01002080	D1.0	1.0	8	R0.2	12°	50	2	4	○
SHGLSR2-01002100	D1.0	1.0	10	R0.2	12°	50	2	4	○
SHGLSR2-01501040	D1.5	1.5	4	R0.1	12°	50	2	4	○
SHGLSR2-01501060	D1.5	1.5	6	R0.1	12°	50	2	4	○
SHGLSR2-01501080	D1.5	1.5	8	R0.1	12°	50	2	4	○
SHGLSR2-01501100	D1.5	1.5	10	R0.1	12°	50	2	4	○
SHGLSR2-01502040	D1.5	1.5	4	R0.2	12°	50	2	4	○
SHGLSR2-01502060	D1.5	1.5	6	R0.2	12°	50	2	4	○
SHGLSR2-01502080	D1.5	1.5	8	R0.2	12°	50	2	4	○
SHGLSR2-01502100	D1.5	1.5	10	R0.2	12°	50	2	4	○
SHGLSR2-02001040	D2.0	2.0	4	R0.1	12°	50	2	4	○
SHGLSR2-02001060	D2.0	2.0	6	R0.1	12°	50	2	4	○
SHGLSR2-02001080	D2.0	2.0	8	R0.1	12°	50	2	4	○

2 Flutes

Long Neck Radius

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Total 69 models

Unit (mm)

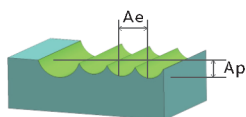
Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	CR Radius	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHGLSR2-02001100	D2.0	2.0	10	R0.1	12°	50	2	4	○
SHGLSR2-02001120	D2.0	2.0	12	R0.1	12°	50	2	4	○
SHGLSR2-02001160	D2.0	2.0	16	R0.1	12°	50	2	4	○
SHGLSR2-02002040	D2.0	2.0	4	R0.2	12°	50	2	4	○
SHGLSR2-02002060	D2.0	2.0	6	R0.2	12°	50	2	4	○
SHGLSR2-02002080	D2.0	2.0	8	R0.2	12°	50	2	4	○
SHGLSR2-02002100	D2.0	2.0	10	R0.2	12°	50	2	4	○
SHGLSR2-02002120	D2.0	2.0	12	R0.2	12°	50	2	4	○
SHGLSR2-02002160	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		HRC30-45		HRC45-55		HRC55-65	
(mm) Diameter /Radius	(mm) Effective Length	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed
D0.2 R0.05	0.5	30000	200	30000	150	20000	60
D0.2 R0.05	1	30000	150	30000	100	15000	30
D0.2 R0.05	1.5	30000	120	27000	80	12000	25
D0.2 R0.05	2	30000	90	20000	60	10000	25
D0.3 R0.05	0.5	30000	350	28000	300	22000	150
D0.3 R0.05	1	30000	240	26000	200	22000	120
D0.3 R0.05	1.5	30000	180	26000	180	22000	100
D0.3 R0.05	2	30000	120	24000	120	18000	80
D0.3 R0.05	3	24000	80	18000	80	14000	50
D0.4 R0.05	1	26000	300	22000	300	22000	240
D0.4 R0.05	2	24000	260	20000	240	18000	180
D0.4 R0.05	3	22000	180	16000	160	16000	120
D0.4 R0.05	4	18000	120	14000	100	12000	60
D0.4 R0.1	1	26000	300	22000	300	22000	240
D0.4 R0.1	2	24000	220	20000	240	18000	180
D0.4 R0.1	3	22000	180	16000	160	16000	120
D0.4 R0.1	4	18000	120	14000	100	12000	60
D0.5 R0.05	1	20000	500	18000	400	16000	300
D0.5 R0.05	2	18000	360	15000	300	13000	200
D0.5 R0.05	4	16000	200	13000	180	10000	120
D0.5 R0.05	6	14000	120	12000	120	10000	80
D0.5 R0.1	1	20000	500	18000	400	16000	300
D0.5 R0.1	2	18000	360	15000	300	13000	200
D0.5 R0.1	4	16000	200	13000	180	10000	120
D0.5 R0.1	6	14000	120	12000	120	10000	80
D0.6 R0.05	2	16000	700	16000	600	15000	300
D0.6 R0.05	4	13000	400	12000	350	10000	160
D0.6 R0.05	6	11000	200	10000	200	9000	100
D0.6 R0.05	8	10000	120	10000	100	7000	50
D0.6 R0.1	2	16000	700	16000	600	15000	300
D0.6 R0.1	4	13000	400	12000	350	10000	160
D0.6 R0.1	6	11000	200	10000	200	9000	100
D0.6 R0.1	8	10000	120	10000	100	7000	50
D0.8 R0.05	2	16000	1200	16000	1000	12000	300
D0.8 R0.05	4	14000	800	13000	600	10000	200

2 Flutes

Long Neck
Radius

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Work Material		HRC30-45		HRC45-55		HRC55-65	
(mm) Diameter /Radius	(mm) Effective Length	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed
D0.8 R0.05	6	13000	600	12000	500	8000	120
D0.8 R0.05	8	12000	300	10000	200	7000	50
D0.8 R0.1	2	16000	1200	16000	1000	12000	300
D0.8 R0.1	4	14000	800	13000	600	10000	200
D0.8 R0.1	6	13000	500	12000	400	8000	120
D0.8 R0.1	8	12000	300	10000	200	7000	50
D1.0 R0.1	4	13000	1000	12000	800	8000	400
D1.0 R0.1	6	11000	700	10000	600	7000	200
D1.0 R0.1	8	10000	500	8500	400	6000	150
D1.0 R0.1	10	8500	300	7500	300	5000	80
D1.0 R0.2	4	13000	1000	12000	800	8000	400
D1.0 R0.2	6	11000	700	10000	600	7000	200
D1.0 R0.2	8	10000	500	8500	400	6000	150
D1.0 R0.2	10	8500	300	7500	300	5000	80
D1.5 R0.1	4	13000	1000	12000	1000	9000	500
D1.5 R0.1	6	10000	1000	10000	900	7500	400
D1.5 R0.1	8	9000	800	8500	800	7000	200
D1.5 R0.1	10	8500	700	7500	600	6500	120
D1.5 R0.2	4	13000	1000	12000	1000	9000	500
D1.5 R0.2	6	10000	1000	10000	900	7500	400
D1.5 R0.2	8	9000	800	8500	800	7000	200
D1.5 R0.2	10	8500	700	7500	600	6500	120
D2.0 R0.1	4	13000	1500	13000	1500	10000	700
D2.0 R0.1	6	12000	1500	12000	1200	9000	500
D2.0 R0.1	8	11000	1000	10000	1000	800	400
D2.0 R0.1	10	10000	900	9000	800	7000	350
D2.0 R0.1	12	9000	800	8000	650	7000	300
D2.0 R0.1	16	7500	600	7000	500	6500	150
D2.0 R0.2	4	13000	1500	13000	1500	10000	700
D2.0 R0.2	6	12000	1500	12000	1200	9000	500
D2.0 R0.2	8	11000	1000	10000	1000	800	400
D2.0 R0.2	10	10000	900	9000	800	7000	350
D2.0 R0.2	12	9000	800	8000	650	7000	300
D2.0 R0.2	16	7500	600	7000	500	6500	150

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.