



MG

HG
Coating

45

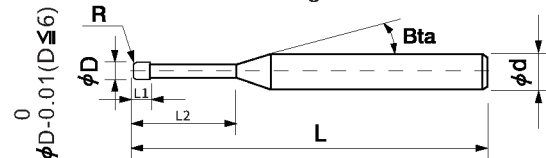
SD
0-0.003R
±0.005

Highly recommend ★○○○
/Recommend/Suggest

Specialty

*4 Flutes Long Neck Radius End Mills for Mold Steels.

*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.

4 Flutes

Total 79 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
SHGLSR4-01001040	D1.0	1.0	4	R0.1	12°	50	4	4	○
SHGLSR4-01001060	D1.0	1.0	6	R0.1	12°	50	4	4	○
SHGLSR4-01001080	D1.0	1.0	8	R0.1	12°	50	4	4	○
SHGLSR4-01001100	D1.0	1.0	10	R0.1	12°	50	4	4	○
SHGLSR4-01001120	D1.0	1.0	12	R0.1	12°	50	4	4	○
SHGLSR4-01002040	D1.0	1.0	4	R0.2	12°	50	4	4	○
SHGLSR4-01002060	D1.0	1.0	6	R0.2	12°	50	4	4	○
SHGLSR4-01002080	D1.0	1.0	8	R0.2	12°	50	4	4	○
SHGLSR4-01002100	D1.0	1.0	10	R0.2	12°	50	4	4	○
SHGLSR4-01002120	D1.0	1.0	12	R0.2	12°	50	4	4	○
SHGLSR4-01501060	D1.5	1.5	6	R0.1	12°	50	4	4	○
SHGLSR4-01501080	D1.5	1.5	8	R0.1	12°	50	4	4	○
SHGLSR4-01501100	D1.5	1.5	10	R0.1	12°	50	4	4	○
SHGLSR4-01501120	D1.5	1.5	12	R0.1	12°	50	4	4	○
SHGLSR4-01502060	D1.5	1.5	6	R0.2	12°	50	4	4	○
SHGLSR4-01502080	D1.5	1.5	8	R0.2	12°	50	4	4	○
SHGLSR4-01502100	D1.5	1.5	10	R0.2	12°	50	4	4	○
SHGLSR4-01502120	D1.5	1.5	12	R0.2	12°	50	4	4	○
SHGLSR4-02001060	D2.0	2.0	6	R0.1	12°	50	4	4	○
SHGLSR4-02001080	D2.0	2.0	8	R0.1	12°	50	4	4	○

Long Neck
Radius

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Total 79 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
SHGLSR4-02001100	D2.0	2.0	10	R0.1	12°	50	4	4	○
SHGLSR4-02001120	D2.0	2.0	12	R0.1	12°	50	4	4	○
SHGLSR4-02001160	D2.0	2.0	16	R0.1	12°	50	4	4	○
SHGLSR4-02002060	D2.0	2.0	6	R0.2	12°	50	4	4	○
SHGLSR4-02002080	D2.0	2.0	8	R0.2	12°	50	4	4	○
SHGLSR4-02002100	D2.0	2.0	10	R0.2	12°	50	4	4	○
SHGLSR4-02002120	D2.0	2.0	12	R0.2	12°	50	4	4	○
SHGLSR4-02002160	D2.0	2.0	16	R0.2	12°	50	4	4	○
SHGLSR4-03001060	D3.0	3.0	6	R0.1	12°	50	4	4	○
SHGLSR4-03001080	D3.0	3.0	8	R0.1	12°	50	4	4	○
SHGLSR4-03001100	D3.0	3.0	10	R0.1	12°	50	4	4	○
SHGLSR4-03001120	D3.0	3.0	12	R0.1	12°	50	4	4	○
SHGLSR4-03001160	D3.0	3.0	16	R0.1	12°	50	4	4	○
SHGLSR4-03001200	D3.0	3.0	20	R0.1	12°	50	4	4	○
SHGLSR4-03002060	D3.0	3.0	6	R0.2	12°	50	4	4	○
SHGLSR4-03002080	D3.0	3.0	8	R0.2	12°	50	4	4	○
SHGLSR4-03002100	D3.0	3.0	10	R0.2	12°	50	4	4	○
SHGLSR4-03002120	D3.0	3.0	12	R0.2	12°	50	4	4	○
SHGLSR4-03002160	D3.0	3.0	16	R0.2	12°	50	4	4	○
SHGLSR4-03002200	D3.0	3.0	20	R0.2	12°	50	4	4	○
SHGLSR4-03005060	D3.0	3.0	6	R0.5	12°	50	4	4	○
SHGLSR4-03005080	D3.0	3.0	8	R0.5	12°	50	4	4	○
SHGLSR4-03005100	D3.0	3.0	10	R0.5	12°	50	4	4	○
SHGLSR4-03005120	D3.0	3.0	12	R0.5	12°	50	4	4	○
SHGLSR4-03005160	D3.0	3.0	16	R0.5	12°	50	4	4	○
SHGLSR4-03005200	D3.0	3.0	20	R0.5	12°	50	4	4	○
SHGLSR4-03001060-6	D3.0	3.0	6	R0.1	12°	60	4	6	○
SHGLSR4-03001080-6	D3.0	3.0	8	R0.1	12°	60	4	6	○
SHGLSR4-03001100-6	D3.0	3.0	10	R0.1	12°	60	4	6	○
SHGLSR4-03001120-6	D3.0	3.0	12	R0.1	12°	60	4	6	○
SHGLSR4-03001160-6	D3.0	3.0	16	R0.1	12°	60	4	6	○
SHGLSR4-03001200-6	D3.0	3.0	20	R0.1	12°	60	4	6	○
SHGLSR4-03002060-6	D3.0	3.0	6	R0.2	12°	60	4	6	○
SHGLSR4-03002080-6	D3.0	3.0	8	R0.2	12°	60	4	6	○
SHGLSR4-03002100-6	D3.0	3.0	10	R0.2	12°	60	4	6	○
SHGLSR4-03002120-6	D3.0	3.0	12	R0.2	12°	60	4	6	○
SHGLSR4-03002160-6	D3.0	3.0	16	R0.2	12°	60	4	6	○
SHGLSR4-03002200-6	D3.0	3.0	20	R0.2	12°	60	4	6	○

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Total 79 models

Unit (mm)

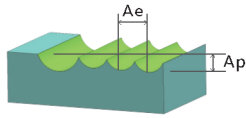
Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	CR Radius	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHGLSR4-03005060-6	D3.0	3.0	6	R0.5	12°	60	4	6	○
SHGLSR4-03005080-6	D3.0	3.0	8	R0.5	12°	60	4	6	○
SHGLSR4-03005100-6	D3.0	3.0	10	R0.5	12°	60	4	6	○
SHGLSR4-03005120-6	D3.0	3.0	12	R0.5	12°	60	4	6	○
SHGLSR4-03005160-6	D3.0	3.0	16	R0.5	12°	60	4	6	○
SHGLSR4-03005200-6	D3.0	3.0	20	R0.5	12°	60	4	6	○
SHGLSR4-04001080-6	D4.0	4.0	8	R0.1	12°	60	4	6	○
SHGLSR4-04001100-6	D4.0	4.0	10	R0.1	12°	60	4	6	○
SHGLSR4-04001120-6	D4.0	4.0	12	R0.1	12°	60	4	6	○
SHGLSR4-04001160-6	D4.0	4.0	16	R0.1	12°	60	4	6	○
SHGLSR4-04001200-6	D4.0	4.0	20	R0.1	12°	60	4	6	○
SHGLSR4-04002080-6	D4.0	4.0	8	R0.2	12°	60	4	6	○
SHGLSR4-04002100-6	D4.0	4.0	10	R0.2	12°	60	4	6	○
SHGLSR4-04002120-6	D4.0	4.0	12	R0.2	12°	60	4	6	○
SHGLSR4-04002160-6	D4.0	4.0	16	R0.2	12°	60	4	6	○
SHGLSR4-04002200-6	D4.0	4.0	20	R0.2	12°	60	4	6	○
SHGLSR4-04005080-6	D4.0	4.0	8	R0.5	12°	60	4	6	○
SHGLSR4-04005100-6	D4.0	4.0	10	R0.5	12°	60	4	6	○
SHGLSR4-04005120-6	D4.0	4.0	12	R0.5	12°	60	4	6	○
SHGLSR4-04005160-6	D4.0	4.0	16	R0.5	12°	60	4	6	○
SHGLSR4-04005200-6	D4.0	4.0	20	R0.5	12°	60	4	6	○

*New size added from this series.

○ Stocked items.

4 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
D1.0R0.1	4	13000	1300	12000	1000	8500	700
D1.0R0.1	6	11000	1000	10000	900	7000	500
D1.0R0.1	8	10000	800	8500	700	6000	400
D1.0R0.1	10	8500	500	7500	450	5500	300
D1.0R0.1	12	7500	300	7000	200	5500	150
D1.0R0.2	4	13000	1300	12000	1000	8500	700
D1.0R0.2	6	11000	1000	10000	900	7000	500
D1.0R0.2	8	10000	800	8500	700	6000	400
D1.0R0.2	10	8500	500	7500	450	5500	300
D1.0R0.2	12	7500	300	7000	200	5500	150
D1.5R0.1	6	12000	1300	10000	1200	8000	500
D1.5R0.1	8	10000	1000	9000	1000	7000	400
D1.5R0.1	10	9000	900	8500	900	6500	300
D1.5R0.1	12	8500	800	7500	750	6000	200
D1.5R0.2	6	12000	1500	10000	1200	8000	500
D1.5R0.2	8	10000	1000	9000	1000	7000	400
D1.5R0.2	10	9000	900	8500	900	6500	300
D1.5R0.2	12	8500	800	7500	750	6000	200
D2.0R0.1	6	13000	1800	12000	1500	9000	700
D2.0R0.1	8	11000	1500	10000	1100	8000	600
D2.0R0.1	10	10000	1200	9000	1000	7500	500
D2.0R0.1	12	9000	1000	8500	950	7000	400
D2.0R0.1	16	8000	800	7000	700	6000	200
D2.0R0.2	6	13000	1800	12000	1500	9000	700
D2.0R0.2	8	11000	1500	10000	1100	8000	600
D2.0R0.2	10	10000	1200	9000	1000	7500	500
D2.0R0.2	12	9000	1000	8500	950	7000	400
D2.0R0.2	16	8000	800	7000	700	6000	200
D3.0R0.1	6	13000	2200	12000	2000	10000	1000
D3.0R0.1	8	12000	2200	11000	2000	10000	900
D3.0R0.1	10	11000	2000	10000	1800	9000	800
D3.0R0.1	12	10000	2000	10000	1800	8000	700
D3.0R0.1	16	9000	1600	8500	1400	7000	600
D3.0R0.1	20	8500	1400	8000	1200	6500	500
D3.0R0.2	6	13000	2200	12000	2000	10000	1000

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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
D3.0 R0.2	8	12000	2200	11000	2000	10000	1900
D3.0 R0.2	10	11000	2000	10000	1800	9000	800
D3.0 R0.2	12	10000	2000	10000	1800	8000	700
D3.0 R0.2	16	9000	1600	8500	1400	7000	600
D3.0 R0.2	20	8500	1400	8000	1200	6500	500
D3.0 R0.5	6	13000	2200	12000	2000	10000	1000
D3.0 R0.5	8	12000	2200	11000	2000	10000	900
D3.0 R0.5	10	11000	2000	10000	1800	9000	800
D3.0 R0.5	12	10000	2000	10000	1800	8000	700
D3.0 R0.5	16	9000	1600	8500	1400	7000	600
D3.0 R0.5	20	8500	1400	8000	1200	6500	500
D3.0 R0.1	6	13000	2200	12000	2000	10000	1000
D3.0 R0.1	8	12000	2200	11000	2000	10000	900
D3.0 R0.1	10	11000	2000	10000	1800	9000	800
D3.0 R0.1	12	10000	2000	10000	1800	8000	700
D3.0 R0.1	16	9000	1600	8500	1400	7000	600
D3.0 R0.1	20	8500	1400	8000	1200	6500	500
D3.0 R0.2	6	13000	2200	12000	2000	10000	1000
D3.0 R0.2	8	12000	2200	11000	2000	10000	900
D3.0 R0.2	10	11000	2000	10000	1800	9000	800
D3.0 R0.2	12	10000	2000	10000	1800	8000	700
D3.0 R0.2	16	9000	1600	8500	1400	7000	600
D3.0 R0.2	20	8500	1400	8000	1200	6500	500
D3.0 R0.5	6	13000	2200	12000	2000	10000	1000
D3.0 R0.5	8	12000	2200	11000	2000	10000	900
D3.0 R0.5	10	11000	2000	10000	1800	9000	800
D3.0 R0.5	12	10000	2000	10000	1800	8000	700
D3.0 R0.5	16	9000	1600	8500	1400	7000	600
D3.0 R0.5	20	8500	1400	8000	1200	6500	500
D4.0 R0.1	8	11000	2200	10000	2000	7500	900
D4.0 R0.1	10	11000	2200	10000	2000	7500	900
D4.0 R0.1	12	10000	2000	9000	2000	7000	800
D4.0 R0.1	16	8500	1800	8000	1600	6500	700
D4.0 R0.1	20	7500	1600	7000	1400	6500	600
D4.0 R0.2	8	11000	2200	10000	2000	7500	900
D4.0 R0.2	10	11000	2200	10000	2000	7500	900
D4.0 R0.2	12	10000	2000	9000	2000	7000	800

4 Flutes

Long Neck
Radius

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Work Material		HRC30-45 Prehardened Steels		HRC45-55 Hardened Steels		HRC55-65 Hardened Steels	
(mm) Diameter /Radius	(mm) Effective Length	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed
D4.0 R0.2	16	8500	1800	8000	1600	6500	700
D4.0 R0.2	20	7500	1600	7000	1400	6500	600
D4.0 R0.5	8	11000	2200	10000	2000	7500	900
D4.0 R0.5	10	11000	2200	10000	2000	7500	900
D4.0 R0.5	12	10000	2000	9000	2000	7000	800
D4.0 R0.5	16	8500	1800	8000	1600	6500	700
D4.0 R0.5	20	7500	1600	7000	1400	6500	600

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.

4 Flutes

Long Neck
Radius