



MG

HG
Coating



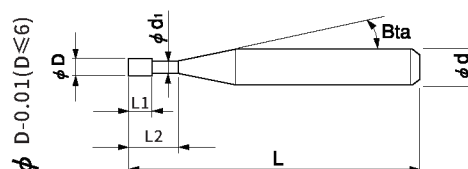
SD
0-0.003

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	

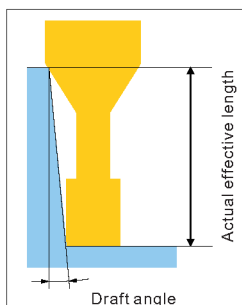
Specialty

*2 Flutes Long Neck Square End Mills for Mold Steels;
*Broad application range from Copper to Hardened Steels (HRC60).



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.

2 Flutes



Long Neck
Square

Total 37 models

Unit (mm)

Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	BTa Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHGLS2-002010	0.2	0.3	1	12°	50	2	4	○
SHGLS2-002015	0.2	0.3	1.5	12°	50	2	4	○
SHGLS2-002020	0.2	0.3	2	12°	50	2	4	○
SHGLS2-003010	0.3	0.5	1	12°	50	2	4	○
SHGLS2-003015	0.3	0.5	1.5	12°	50	2	4	○
SHGLS2-003020	0.3	0.5	2	12°	50	2	4	○
SHGLS2-003030	0.3	0.5	3	12°	50	2	4	○
SHGLS2-004010	0.4	0.6	1	12°	50	2	4	○
SHGLS2-004020	0.4	0.6	2	12°	50	2	4	○
SHGLS2-004030	0.4	0.6	3	12°	50	2	4	○

Nextpage ➡

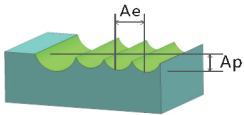
Total 37 models

Unit (mm)

Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHGLS2-004040	0.4	0.6	4	12°	50	2	4	○
SHGLS2-005010	0.5	0.75	1	12°	50	2	4	○
SHGLS2-005020	0.5	0.75	2	12°	50	2	4	○
SHGLS2-005040	0.5	0.75	4	12°	50	2	4	○
SHGLS2-005060	0.5	0.75	6	12°	50	2	4	○
SHGLS2-006020	0.6	0.9	2	12°	50	2	4	○
SHGLS2-006040	0.6	0.9	4	12°	50	2	4	○
SHGLS2-006060	0.6	0.9	6	12°	50	2	4	○
SHGLS2-006080	0.6	0.9	8	12°	50	2	4	○
SHGLS2-008020	0.8	1.2	2	12°	50	2	4	○
SHGLS2-008040	0.8	1.2	4	12°	50	2	4	○
SHGLS2-008060	0.8	1.2	6	12°	50	2	4	○
SHGLS2-008080	0.8	1.2	8	12°	50	2	4	○
SHGLS2-010040	1	1.5	4	12°	50	2	4	○
SHGLS2-010060	1	1.5	6	12°	50	2	4	○
SHGLS2-010080	1	1.5	8	12°	50	2	4	○
SHGLS2-010100	1	1.5	10	12°	50	2	4	○
SHGLS2-015040	1.5	2.3	4	12°	50	2	4	○
SHGLS2-015060	1.5	2.3	6	12°	50	2	4	○
SHGLS2-015080	1.5	2.3	8	12°	50	2	4	○
SHGLS2-015100	1.5	2.3	10	12°	50	2	4	○
SHGLS2-020040	2	3	4	12°	50	2	4	○
SHGLS2-020060	2	3	6	12°	50	2	4	○
SHGLS2-020080	2	3	8	12°	50	2	4	○
SHGLS2-020100	2	3	10	12°	50	2	4	○
SHGLS2-020120	2	3	12	12°	50	2	4	○
SHGLS2-020160	2	3	16	12°	50	2	4	○

*New size added from this series.

○ Stocked items.



Work Material		HRC30-45 Prehardened Steels		HRC45-55 Hardened Steels		HRC55-65 Hardened Steels	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed
D 0.2	0.5	30000	120	30000	120	15000	15
D 0.2	1	30000	120	30000	100	15000	10
D 0.2	1.5	28000	120	28000	100	15000	10
D 0.3	1	30000	150	30000	150	14000	20
D 0.3	1.5	28000	120	26000	120	14000	15
D 0.3	2	26000	120	22000	100	14000	15
D 0.3	3	26000	100	20000	80	14000	10
D 0.4	1	26000	300	26000	260	14000	80
D 0.4	2	26000	220	24000	200	14000	60
D 0.4	3	24000	180	20000	200	14000	40
D 0.4	4	24000	150	18000	150	14000	20
D 0.5	1	26000	400	20000	300	13000	100
D 0.5	2	26000	300	18000	200	13000	80
D 0.5	4	24000	180	16000	150	13000	50
D 0.5	6	24000	150	15000	100	13000	30
D 0.6	2	26000	500	20000	500	12000	120
D 0.6	4	24000	300	16000	200	12000	80
D 0.6	6	22000	200	16000	150	12000	50
D 0.6	8	20000	150	14000	100	12000	20
D 0.8	2	18000	600	18000	500	8000	200
D 0.8	4	16000	400	14000	300	8000	120
D 0.8	6	16000	300	14000	200	8000	100
D 0.8	8	14000	150	13000	150	8000	60
D 1.0	4	13000	800	12000	800	6500	240
D 1.0	6	11000	600	10000	600	6500	200
D 1.0	8	10000	300	9000	300	6500	150
D 1.0	10	9000	150	8000	120	6500	100
D 1.5	4	13000	1200	13000	1000	8000	600
D 1.5	6	11000	800	11000	600	8000	500
D 1.5	8	10000	500	10000	400	8000	400
D 1.5	10	9000	400	9000	300	8000	200
D 2.0	4	12000	1400	10000	1000	8000	1000
D 2.0	6	12000	1200	10000	800	8000	800
D 2.0	8	10000	1000	9000	600	8000	600

2 Flutes

Long Neck
Square

Nextpage ➡

Work Material		HRC30-45 Prehardened Steels		HRC45-55 Hardened Steels		HRC55-65 Hardened Steels	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed
D2.0	10	9500	600	8000	400	8000	300
D2.0	12	8500	400	7000	260	7000	200
D2.0	16	7000	300	6000	200	6000	100

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;

*Recommend using a non-contact measuring device to avoid damaging the precision tip point.

2 Flutes

Long Neck
Square