



MG

HB
Coating

30

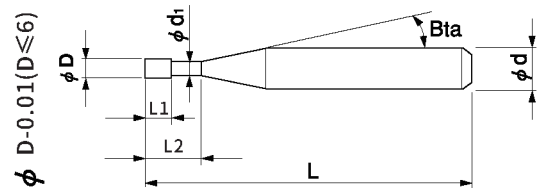
SD
0-0.003

Highly recommend ★ ○ ○
/Recommend/Suggest

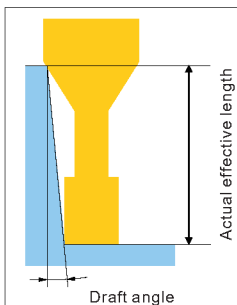
DIE STEEL	Grade
Carbon steels (S45C/S55C)	○
Alloy steels (SK/SCM/SUS)	○
Prehardened steels (NAK/HPM)	○
Hardened steels (~55/~60/~70HRC)	○
SPECIAL MATERIAL	
Aluminum alloys	○
Graphite	
Copper	○
Plastics	
Carbon fiber	
Titanium alloys	○
Heat resistant alloys	
Cemented carbide	
Hard brittle (non-metallic) material	

Specialty

*Unique U-shaped chip removal groove design can effectively reduce cutting load, have better chip removal performance, and obtain higher metal removal rate.
*Unique HB series coating for more wear resistance and higher heat resistance.
*Suitable for HRC28~52 die steel, stainless steel processing.



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 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
SHBLS2-002005	0.2	0.3	0.5	12°	50	2	4	○
SHBLS2-002010	0.2	0.3	1	12°	50	2	4	○
SHBLS2-002015	0.2	0.3	1.5	12°	50	2	4	○
SHBLS2-003010	0.3	0.5	1	12°	50	2	4	○
SHBLS2-003015	0.3	0.5	1.5	12°	50	2	4	○
SHBLS2-003020	0.3	0.5	2	12°	50	2	4	○
SHBLS2-003030	0.3	0.5	3	12°	50	2	4	○
SHBLS2-004010	0.4	0.6	1	12°	50	2	4	○
SHBLS2-004020	0.4	0.6	2	12°	50	2	4	○
SHBLS2-004030	0.4	0.6	3	12°	50	2	4	○

Next page →

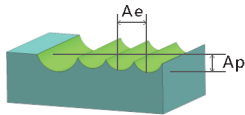
Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHBLS2-004040	0.4	0.6	4	12°	50	2	4	○
SHBLS2-005010	0.5	0.75	1	12°	50	2	4	○
SHBLS2-005020	0.5	0.75	2	12°	50	2	4	○
SHBLS2-005040	0.5	0.75	4	12°	50	2	4	○
SHBLS2-005060	0.5	0.75	6	12°	50	2	4	○
SHBLS2-006020	0.6	0.9	2	12°	50	2	4	○
SHBLS2-006040	0.6	0.9	4	12°	50	2	4	○
SHBLS2-006060	0.6	0.9	6	12°	50	2	4	○
SHBLS2-006080	0.6	0.9	8	12°	50	2	4	○
SHBLS2-008020	0.8	1.2	2	12°	50	2	4	○
SHBLS2-008040	0.8	1.2	4	12°	50	2	4	○
SHBLS2-008060	0.8	1.2	6	12°	50	2	4	○
SHBLS2-008080	0.8	1.2	8	12°	50	2	4	○
SHBLS2-010040	1.0	1.5	4	12°	50	2	4	○
SHBLS2-010060	1.0	1.5	6	12°	50	2	4	○
SHBLS2-010080	1.0	1.5	8	12°	50	2	4	○
SHBLS2-010100	1.0	1.5	10	12°	50	2	4	○
SHBLS2-015040	1.5	2.3	4	12°	50	2	4	○
SHBLS2-015060	1.5	2.3	6	12°	50	2	4	○
SHBLS2-015080	1.5	2.3	8	12°	50	2	4	○
SHBLS2-015100	1.5	2.3	10	12°	50	2	4	○
SHBLS2-020040	2.0	3.0	4	12°	50	2	4	○
SHBLS2-020060	2.0	3.0	6	12°	50	2	4	○
SHBLS2-020080	2.0	3.0	8	12°	50	2	4	○
SHBLS2-020100	2.0	3.0	10	12°	50	2	4	○
SHBLS2-020120	2.0	3.0	12	12°	50	2	4	○
SHBLS2-020160	2.0	3.0	16	12°	50	2	4	○

2 Flutes

Long Neck Square

*New size added from this series.

○ Stocked items.



2 Flutes

Long Neck
Square

Work Material		Oxygen-free Copper Red Copper		HRC30-45 carbon steel and prehardened steel		HRC45-55 hardened steel	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed	(min-1) Speed	(mm/min) Feed
D0.2	0.5	30000	120	30000	120	30000	120
D0.2	1	30000	120	30000	120	30000	100
D0.2	1.5	28000	120	28000	120	28000	100
D0.3	1	30000	150	30000	150	30000	150
D0.3	1.5	28000	120	28000	120	26000	120
D0.3	2	26000	120	26000	120	22000	100
D0.3	3	26000	100	26000	100	20000	80
D0.4	1	26000	300	26000	300	26000	260
D0.4	2	26000	220	26000	220	24000	200
D0.4	3	24000	180	24000	180	20000	200
D0.4	4	24000	150	24000	150	18000	150
D0.5	1	26000	400	26000	400	20000	300
D0.5	2	26000	300	26000	300	18000	200
D0.5	4	24000	180	24000	180	16000	150
D0.5	6	24000	150	24000	150	15000	100
D0.6	2	26000	500	26000	500	20000	500
D0.6	4	24000	300	24000	300	16000	200
D0.6	6	22000	200	22000	200	16000	150
D0.6	8	20000	150	20000	150	14000	100
D0.8	2	18000	600	18000	600	18000	500
D0.8	4	16000	400	16000	400	14000	300
D0.8	6	16000	300	16000	300	14000	200
D0.8	8	14000	150	14000	150	13000	150
D1.0	4	13000	800	13000	800	12000	800
D1.0	6	11000	600	11000	600	10000	600
D1.0	8	10000	300	10000	300	9000	300
D1.0	10	9000	150	9000	150	8000	120
D1.5	4	13000	1200	13000	1200	13000	1000
D1.5	6	11000	800	11000	800	11000	600
D1.5	8	10000	500	10000	500	10000	400
D1.5	10	9000	400	9000	400	9000	300
D2.0	4	12000	1400	12000	1400	10000	1000
D2.0	6	12000	1200	12000	1200	10000	800
D2.0	8	10000	1000	10000	1000	9000	600

Next page →

Work Material		Oxygen-free Copper Red Copper		HRC30-45 carbon steel and prehardened steel		HRC45-55 hardened steel	
(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	9500	600	8000	400
D2.0	12	8500	400	8500	400	7000	260
D2.0	16	7000	300	7000	300	6000	200

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