



MG

DLC
Coating

30

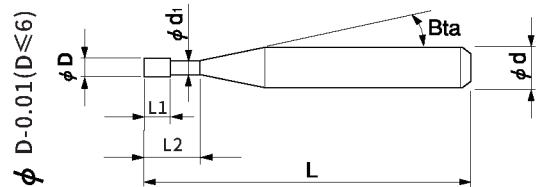
SD
0-0.003

Highly recommend ★ ○ ○
/Recommend/Suggest

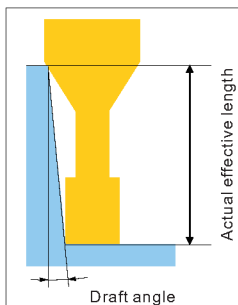
DIE STEEL	Grade
Carbon steels (S45C/S55C)	
Alloy steels (SK/SCM/SUS)	
Prehardened steels (NAK/HPM)	
Hardened steels (~55/~60/~70HRC)	
SPECIAL MATERIAL	
Aluminum alloys	○
Graphite	
Copper	★
Plastics	○
Carbon fiber	
Titanium alloys	
Heat resistant alloys	
Cemented carbide	
Hard brittle (non-metallic) material	

Specialty

- * 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;



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 34 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
SHDLS2-001010	0.1	0.15	1	12°	50	2	4	○
SHDLS2-002005	0.2	0.3	0.5	12°	50	2	4	○
SHDLS2-002010	0.2	0.3	1	12°	50	2	4	○
SHDLS2-002015	0.2	0.3	1.5	12°	50	2	4	○
SHDLS2-003010	0.3	0.5	1	12°	50	2	4	○
SHDLS2-003015	0.3	0.5	1.5	12°	50	2	4	○
SHDLS2-003020	0.3	0.5	2	12°	50	2	4	○
SHDLS2-003030	0.3	0.5	3	12°	50	2	4	○
SHDLS2-003040	0.3	0.5	4	12°	50	2	4	○
SHDLS2-003050	0.3	0.5	5	12°	50	2	4	○

Next page →

Total 34 models

Unit (mm)

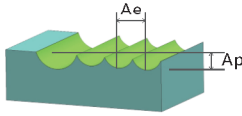
Model Number	D Outside Diameter	L1 Length Of Cut	L2 Effective Length	Bta Shank Taper Angle	L Overall Length	T Number Of Flutes	d Shank Diameter	In Stock
SHDLS2-004010	0.4	0.6	1	12°	50	2	4	○
SHDLS2-004020	0.4	0.6	2	12°	50	2	4	○
SHDLS2-004030	0.4	0.6	3	12°	50	2	4	○
SHDLS2-004040	0.4	0.6	4	12°	50	2	4	○
SHDLS2-005020	0.5	0.75	2	12°	50	2	4	○
SHDLS2-005030	0.5	0.75	3	12°	50	2	4	○
SHDLS2-005040	0.5	0.75	4	12°	50	2	4	○
SHDLS2-005050	0.5	0.75	5	12°	50	2	4	○
SHDLS2-005060	0.5	0.75	6	12°	50	2	4	○
SHDLS2-005080	0.5	0.75	8	12°	50	2	4	○
SHDLS2-006020	0.6	0.9	2	12°	50	2	4	○
SHDLS2-006030	0.6	0.9	3	12°	50	2	4	○
SHDLS2-006040	0.6	0.9	4	12°	50	2	4	○
SHDLS2-006060	0.6	0.9	6	12°	50	2	4	○
SHDLS2-006080	0.6	0.9	8	12°	50	2	4	○
SHDLS2-007020	0.7	1	2	12°	50	2	4	○
SHDLS2-007040	0.7	1	4	12°	50	2	4	○
SHDLS2-007060	0.7	1	6	12°	50	2	4	○
SHDLS2-007080	0.7	1	8	12°	50	2	4	○
SHDLS2-008030	0.8	1.2	3	12°	50	2	4	○
SHDLS2-008040	0.8	1.2	4	12°	50	2	4	○
SHDLS2-008060	0.8	1.2	6	12°	50	2	4	○
SHDLS2-008080	0.8	1.2	8	12°	50	2	4	○
SHDLS2-008100	0.8	1.2	10	12°	50	2	4	○

*New size added from this series.

○ Stocked items.

2 Flutes

Long Neck Square



Work Material		Oxygen-free & Copper	
(mm) Diameter	(mm) Effective Length	(min-1) Speed	(mm/min) Feed
D 0.1	1	30000	100
D 0.2	0.5	36000	400
D 0.2	1	32000	300
D 0.2	1.5	28000	300
D 0.3	1	36000	500
D 0.3	1.5	36000	400
D 0.3	2	32000	350
D 0.3	3	26000	200
D 0.3	4	22000	150
D 0.3	5	20000	100
D 0.4	1	36000	700
D 0.4	2	36000	600
D 0.4	3	32000	400
D 0.4	4	26000	300
D 0.5	2	36000	800
D 0.5	3	32000	700
D 0.5	4	26000	500
D 0.5	5	20000	400
D 0.5	6	16000	300
D 0.5	8	14000	200
D 0.6	2	32000	800
D 0.6	3	30000	800
D 0.6	4	26000	700
D 0.6	6	20000	400
D 0.6	8	14000	200
D 0.7	2	32000	1000
D 0.7	4	26000	1000
D 0.7	6	20000	600
D 0.7	8	14000	300
D 0.8	3	30000	1300
D 0.8	4	24000	1100
D 0.8	6	20000	900
D 0.8	8	16000	600
D 0.8	10	12000	300

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.