

3 Flutes DLC for Aluminum Milling



Size $\phi 1 \sim \phi 12$

DLC-AZS

Super
MG

DLC

45°

Flatland

Shank Dia
0/-0.005

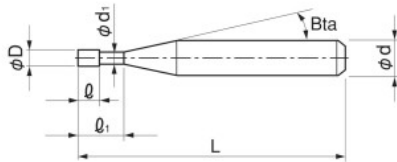
Material Applications (★ Highly Recommended ● Recommended ○ Suggested)

Carbon Steels		Alloy Steels	Prehardened Steels	Hardened Steels					Cast Iron	Aluminum Alloys	Graphite	Copper	Plastics	Glass Filled Plastics	Titanium Alloys	Heat Resistant Alloys	Cemented Carbide	Hard Brittle (Non-Metallic) Materials
S45C	S55C	SK / SCM	SUS	NAK	HPM	~50HRC	~55HRC	~60HRC	~65HRC	~70HRC								
											★	○	○					

Features

- Capable of vertical milling directly into a plane surface.
- Achieves shorter processing time by removing pre-drilling or ramping cycle.
- DLC COAT offers excellent resistance to wear and welding.
- 45° helix angle offers excellent chip evacuation.
- The flute shape is specifically designed for reducing burrs on Aluminum Alloys.
- The micro flatland design greatly helps control of chipping.

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



Diameter Tolerance

Outside Diameter (φD)	Tolerance
$\phi 1 \sim \phi 6, \phi 7, \phi 9, \phi 11$	0 -0.015
$\phi 8, \phi 10, \phi 12$	0 -0.005

Total 28 models

Unit (mm)

Model Number	Outside Diameter ϕD	Effective Length ℓ_1	Length of Cut ℓ	Neck Diameter ϕd_1	Shank Taper Angle B_{ta}	Overall Length L	Shank Diameter ϕd	Suggested Retail Price ¥
DLC-AZS 3010-030	1	3	2	0.95	16°	60	4	6,200
DLC-AZS 3010-050		5				60		6,750
DLC-AZS 3015-045	1.5	4.5	3	1.43	16°	60	4	6,200
DLC-AZS 3020-060	2	6	4	1.93	16°	60	4	6,200
DLC-AZS 3020-100		10				60		6,750
DLC-AZS 3025-075	2.5	7.5	5	2.4	16°	60	4	7,400
DLC-AZS 3030-090	3	9	6	2.9	16°	70	6	7,400
DLC-AZS 3030-150		15				70		8,050