

Carbide material

Steel		Hardened Steel		Stainless steel	Titanium Alloys	Heat-resistant Alloys	Cast Iron	Aluminum & Non-ferrous metals	Description	Ref. Page
UP to 30HRC	UP to 40HRC	UP to 55HRC	UP to 68HRC							
P ~30HRC	P 30~40HRC	H ~55HRC	H ~68HRC	M Stainless steel	S Titanium Alloys	S Heat-resistant Alloys	K Cast Iron	N Aluminum & Non-ferrous Metals		
○	○						○		2UEBS	L24
○	○			○	○		○	○	3UEBS	
○	○			○	○	○	○		4YEBS	L25
○	○	○	○						6PDRS	L26
○	○	○	○						4HFSS	L28
									5HFSS	
									6HFSS	
									7HFSS	
									4HFMS	
									5HFMS	
									6HFMS	
									7HFMS	
		○	○						8HFMS	
									4UGSM	L29
									6UGSM	
									3NESM	L30
								○	2NFMS	L31
									3NFMS	
									3NFSL	L32
									3AESM	
									3AESL	

○ : 1st Choice ○ : 2nd Choice

Icon Glossary

Coating

- MEGACOAT Hard**
- MEGACOAT**
- TiAlN Coating**
- AlTiN Coating**
- Uncoated** Non-coating

Corner Form

- Radius** Radius
- Sharp** Corner sharp edge
- Land** with Corner land
- C** with Corner Chamfering

Corner Radius Tolerance

0~-0.02 mm Corner Radius Tolerance is 0/-0.02mm.

Ball-nose Radius Tolerance

0~-0.02 mm The R tolerance of ball end mill is 0/-0.02mm.

Flutes

3 3 edge design

Helix Angle

30° Helix Angle 30°

Cutting edge shape

Roughing

Super Micro-grain carbide

Shank Diameter Tolerance

h5 Shank Dia. Shank Diameter Tolerance is h5.

h6 Shank Dia. Shank Diameter Tolerance is h6.

Cutting edge shape

● End cutting edge

Radial Rake angle, 1st Radial Relief angle, Flute, 2nd Radial Relief angle, Core Dia.

● Cutting edge shape

Cutting edge

● with Chamfered Edge

- Tough Corner edge (with Corner land)

[General shape] End Gash

[with Corner land] End Gash, Corner land

* Square 4 flutes

● Core Diameter Ratio (%)=(Core Diameter / Outside Diameter)×100

L

Solid End Mill