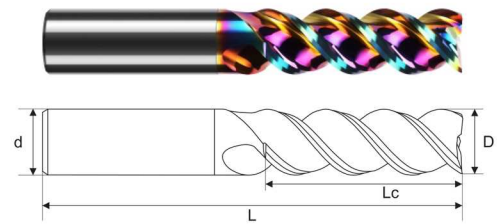
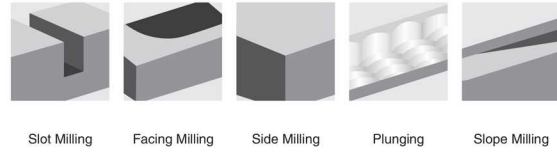


UA+ Series 3 Flutes Milling Cutter



Processing method



Cobalt content 10%, grain size 0.8 μ m, HRA91.5-92

Material composition

HRA91.5-92

Product advantages

- 1.U-groove design, larger chip space, can achieve higher processing efficiency
- 2.Polishing inside the groove effectively build up edge and ensures smooth chip removal
- 3.DLC coating, combined with low friction coefficient and high coating hardness, significantly improves tool life

Suitable for processing materials and processing parameters

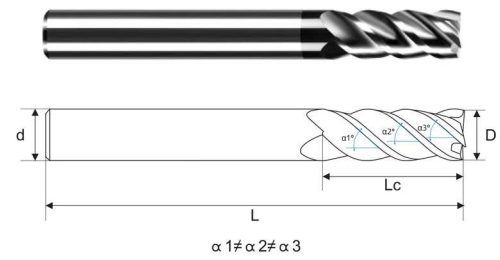
	Suitable Aaterials	ap	ae	vc m/min	fz mm/z
P	Carbon steel alloy steel (<35HRC)				
	Alloy Steel (35-48HRC)				
M	Stainless Steels				
K	Gray Cast iron, Ductile Cast Iron (<32HRC)				
	High Alloy Cast Iron (35-45HRC)				
N	Forged Aluminum Alloy, Cast Aluminum Alloy (si<12%)	ap ≤ 1.5D	ae ≤ 0.2D	150	0.015D
S	Nickel-based Superalloy				
	Titanium Alloy				
H	Alloy Steel, Hardened Steel (45-65HRC)				

Please adjust the parameters according to the material and hardness of workpieces

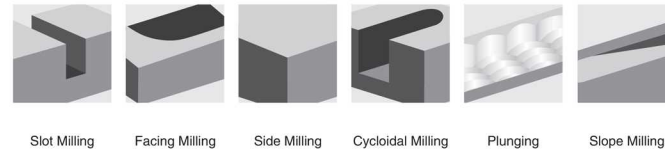
Type	Specification				Flutes	Spiral Angle	Groove Profile	Coating	Inventory
	D	Lc	d	L					
3*9*3*50*3T	3	9	3	50	3	50°	U slot	DLC	●
3*12*3*50*3T	3	12	3	50	3	50°	U slot	DLC	○
3*15*3*50*3T	3	15	3	50	3	50°	U slot	DLC	●
4*12*4*50*3T	4	12	4	50	3	50°	U slot	DLC	●
4*16*4*50*3T	4	16	4	50	3	50°	U slot	DLC	○
4*20*4*75*3T	4	20	4	75	3	50°	U slot	DLC	●
6*18*6*50*3T	6	18	6	50	3	50°	U slot	DLC	●
6*24*6*75*3T	6	24	6	75	3	50°	U slot	DLC	○
6*30*6*75*3T	6	30	6	75	3	50°	U slot	DLC	●
8*24*8*60*3T	8	24	8	60	3	50°	U slot	DLC	●
8*32*8*75*3T	8	32	8	75	3	50°	U slot	DLC	○
8*40*8*100*3T	8	40	8	100	3	50°	U slot	DLC	●
10*30*10*75*3T	10	30	10	75	3	50°	U slot	DLC	●
10*40*10*100*3T	10	40	10	100	3	50°	U slot	DLC	○
10*50*10*100*3T	10	50	10	100	3	50°	U slot	DLC	●
12*36*12*75*3T	12	36	12	75	3	50°	U slot	DLC	●
12*48*12*100*3T	12	48	12	100	3	50°	U slot	DLC	○
12*60*12*100*3T	12	60	12	100	3	50°	U slot	DLC	●
14*45*14*100*3T	14	45	14	100	3	50°	U slot	DLC	●
14*70*14*150*3T	14	70	14	150	3	50°	U slot	DLC	○
16*45*16*100*3T	16	45	16	100	3	50°	U slot	DLC	●
16*64*16*150*3T	16	64	16	150	3	50°	U slot	DLC	○
16*80*16*150*3T	16	80	16	150	3	50°	U slot	DLC	●
18*45*18*100*3T	18	45	18	100	3	50°	U slot	DLC	○
18*90*18*150*3T	18	90	18	150	3	50°	U slot	DLC	○
20*45*20*100*3T	20	45	20	100	3	50°	U slot	DLC	●
20*80*20*150*3T	20	80	20	150	3	50°	U slot	DLC	○
20*100*20*200*3T	20	100	20	200	3	50°	U slot	DLC	●

● Available ○ Out of stock for restocking

UA+ Series 4 Flutes Milling Cutter



Processing method



Cobalt content 10%, grain size 0.8 μ m, HRA91.5-92

Material composition

HRA91.5-92

Product advantages

1. Unequal spiral design, good seismic performance, suitable for dynamic milling
2. Adopting nano composite coating for greater wear resistance

Suitable for processing materials and processing parameters

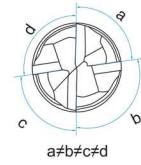
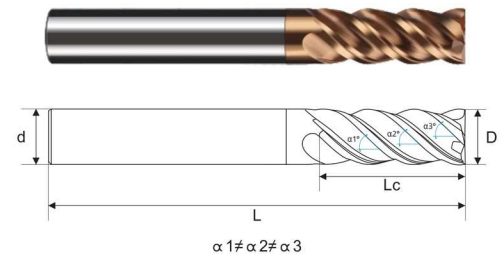
	Suitable Aaterials	ap	ae	vc m/min	fz mm/z
P	Carbon steel alloy steel (<35HRC)	ap ≤ 1.5D	ae ≤ 0.15D	180	0.0085D
	Alloy Steel (35-48HRC)	ap ≤ 1D	ae ≤ 0.12D	140	0.0075D
M	Stainless Steels	ap ≤ 1.5D	ae ≤ 0.15D	140	0.0075D
K	Gray Cast iron, Ductile Cast Iron (<32HRC)	ap ≤ 1.5D	ae ≤ 0.15D	160	0.0075D
	High Alloy Cast Iron (35-45HRC)				
N	Forged Aluminum Alloy, Cast Aluminum Alloy (si<12%)				
S	Nickel-based Superalloy				
	Titanium Alloy				
H	Alloy Steel, Hardened Steel (45-65HRC)				

Please adjust the parameters according to the material and hardness of workpieces

Type	Specification				Flutes	Spiral Angle	Groove Profile	Coating	Inventory
	刃径 D	刃长 Lc	柄径 d	总长 L					
3*8*3*50*4T	3	8	3	50	4	35° ~37°	U slot	AITIN	●
3*12*3*50*4T	3	12	3	50	4	35° ~37°	U slot	AITIN	○
3*15*3*50*4T	3	15	3	50	4	35° ~37°	U slot	AITIN	●
4*10*4*50*4T	4	10	4	50	4	35° ~37°	U slot	AITIN	●
4*16*4*50*4T	4	16	4	50	4	35° ~37°	U slot	AITIN	○
4*20*4*75*4T	4	20	4	75	4	35° ~37°	U slot	AITIN	●
6*15*6*50*4T	6	15	6	50	4	35° ~37°	U slot	AITIN	●
6*24*6*75*4T	6	24	6	75	4	35° ~37°	U slot	AITIN	○
6*30*6*75*4T	6	30	6	75	4	35° ~37°	U slot	AITIN	●
8*20*8*60*4T	8	20	8	60	4	35° ~37°	U slot	AITIN	●
8*32*8*75*4T	8	32	8	75	4	35° ~37°	U slot	AITIN	○
8*40*8*100*4T	8	40	8	100	4	35° ~37°	U slot	AITIN	●
10*25*10*75*4T	10	25	10	75	4	35° ~37°	U slot	AITIN	●
10*40*10*100*4T	10	40	10	100	4	35° ~37°	U slot	AITIN	○
10*50*10*100*4T	10	50	10	100	4	35° ~37°	U slot	AITIN	●
12*30*12*75*4T	12	32	12	75	4	35° ~37°	U slot	AITIN	●
12*48*12*100*4T	12	48	12	100	4	35° ~37°	U slot	AITIN	○
12*60*12*100*4T	12	60	12	100	4	35° ~37°	U slot	AITIN	●
14*45*14*100*4T	14	45	14	100	4	35° ~37°	U slot	AITIN	●
14*70*14*150*4T	14	70	14	150	4	35° ~37°	U slot	AITIN	○
16*45*16*100*4T	16	45	16	100	4	35° ~37°	U slot	AITIN	●
16*64*16*150*4T	16	64	16	150	4	35° ~37°	U slot	AITIN	○
16*80*16*150*4T	16	80	16	150	4	35° ~37°	U slot	AITIN	●
18*45*18*100*4T	18	45	18	100	4	35° ~37°	U slot	AITIN	○
18*90*18*150*4T	18	90	18	150	4	35° ~37°	U slot	AITIN	○
20*45*20*100*4T	20	45	20	100	4	35° ~37°	U slot	AITIN	●
20*80*20*150*4T	20	80	20	150	4	35° ~37°	U slot	AITIN	○
20*100*20*200*4T	20	100	20	200	4	35° ~37°	U slot	AITIN	●

● 有货 Available ○ 没货可补货 Out of stock for restocking

U6065 Series 4 Flutes Milling Cutter



Cobalt content 12%, grain size 0.4 μ m, HRA92.5

Material composition
HRA92.5

Product advantages

1. Unequal spiral design with good seismic performance
2. Large helix angle design, low cutting edge load, increases tool life
3. The bar material has good toughness, high hardness, and strong versatility

Suitable for processing materials and processing parameters

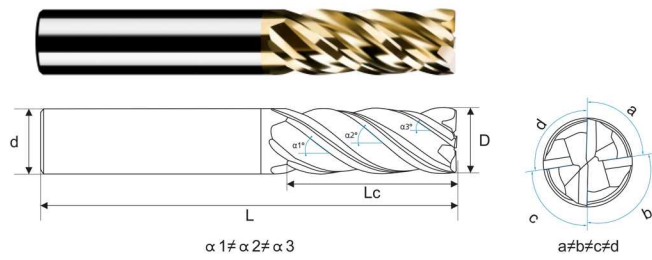
	Suitable Aaterials	ap	ae	vc m/min	fz mm/z
P	Carbon steel alloy steel (<35HRC)	ap ≤ 1.5D	ae ≤ 0.15D	180	0.0085D
	Alloy Steel (35-48HRC)	ap ≤ 1D	ae ≤ 0.12D	140	0.0075D
M	Stainless Steels	ap ≤ 1.5D	ae ≤ 0.15D	140	0.0075D
K	Gray Cast iron, Ductile Cast Iron (<32HRC)	ap ≤ 1.5D	ae ≤ 0.15D	160	0.0075D
	High Alloy Cast Iron (35-45HRC)				
N	Forged Aluminum Alloy, Cast Aluminum Alloy (si<12%)				
S	Nickel-based Superalloy				
	Titanium Alloy				
H	Alloy Steel, Hardened Steel (45-65HRC)				

Please adjust the parameters according to the material and hardness of workpieces

Type	Specification				Flutes	Spiral Angle	Groove Profile	Coating	Inventory
	D	Lc	d	L					
3*8*3*50*4T	3	8	3	50	4	44° ~45°	U slot	SP	●
3*12*3*50*4T	3	12	3	50	4	44° ~45°	U slot	SP	○
3*15*3*50*4T	3	15	3	50	4	44° ~45°	U slot	SP	●
4*10*4*50*4T	4	10	4	50	4	44° ~45°	U slot	SP	●
4*16*4*50*4T	4	16	4	50	4	44° ~45°	U slot	SP	○
4*20*4*75*4T	4	20	4	75	4	44° ~45°	U slot	SP	●
6*15*6*50*4T	6	15	6	50	4	44° ~45°	U slot	SP	●
6*24*6*75*4T	6	24	6	75	4	44° ~45°	U slot	SP	○
6*30*6*75*4T	6	30	6	75	4	44° ~45°	U slot	SP	●
8*20*8*60*4T	8	20	8	60	4	44° ~45°	U slot	SP	●
8*32*8*75*4T	8	32	8	75	4	44° ~45°	U slot	SP	○
8*40*8*100*4T	8	40	8	100	4	44° ~45°	U slot	SP	●
10*25*10*75*4T	10	25	10	75	4	44° ~45°	U slot	SP	●
10*40*10*100*4T	10	40	10	100	4	44° ~45°	U slot	SP	○
10*50*10*100*4T	10	50	10	100	4	44° ~45°	U slot	SP	●
12*30*12*75*4T	12	32	12	75	4	44° ~45°	U slot	SP	●
12*48*12*100*4T	12	48	12	100	4	44° ~45°	U slot	SP	○
12*60*12*100*4T	12	60	12	100	4	44° ~45°	U slot	SP	●
14*45*14*100*4T	14	45	14	100	4	44° ~45°	U slot	SP	●
14*70*14*150*4T	14	70	14	150	4	44° ~45°	U slot	SP	○
16*45*16*100*4T	16	45	16	100	4	44° ~45°	U slot	SP	●
16*64*16*150*4T	16	64	16	150	4	44° ~45°	U slot	SP	○
16*80*16*150*4T	16	80	16	150	4	44° ~45°	U slot	SP	●
18*45*18*100*4T	18	45	18	100	4	44° ~45°	U slot	SP	○
18*90*18*150*4T	18	90	18	150	4	44° ~45°	U slot	SP	○
20*45*20*100*4T	20	45	20	100	4	44° ~45°	U slot	SP	●
20*80*20*150*4T	20	80	20	150	4	44° ~45°	U slot	SP	○
20*100*20*200*4T	20	100	20	200	4	44° ~45°	U slot	SP	●

● Available ○ Out of stock for restocking

SS40 Series 4 Flutes Milling Cutter



Cobalt content 12%, grain size 0.4 μm, HRA92.5

Material composition
HRA92.5

Product advantages

1. Unique anti-vibration design, Unequally divided with unequal spirals, effective vibration resistance
2. Widening design of chip groove, large capacity chip groove, smooth processing and good chip removal
3. Rough machining: The bar material is heat-resistant and impact resistant, the cutting edge is not easily broken, and the metal removal rate is high
Precision machining: The bar material has good red hardness, higher hardness, and greater wear resistance
4. Adopting composite nano coating, it has good lubricity and outstanding high temperature resistance, which helps to efficiently remove chips and dissipate heat from cutting tools
5. Large spiral angle design, sharp cutting edge, low load, better heat dissipation

Suitable for processing materials and processing parameters

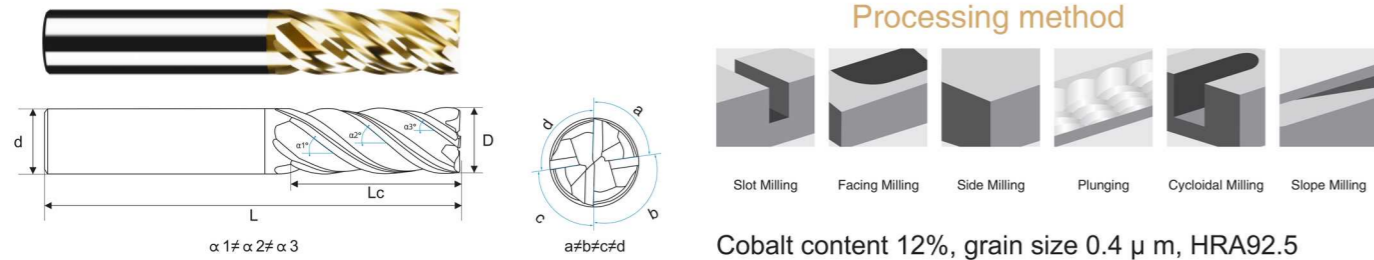
	Suitable Materials	ap	ae	vc m/min	fz mm/z
P	Carbon steel alloy steel (<35HRC)				
	Alloy Steel (35-48HRC)				
M	Stainless Steels				
K	Gray Cast iron, Ductile Cast Iron (<32HRC)				
	High Alloy Cast Iron (35-45HRC)				
N	Forged Aluminum Alloy, Cast Aluminum Alloy (si<12%)				
S	Nickel-based Superalloy				
	Titanium Alloy	ap ≤ 1.5D	ae ≤ 0.2D	50	0.004D
H	Alloy Steel, Hardened Steel (45-65HRC)				

Please adjust the parameters according to the material and hardness of workpieces

Type	Specification				Flutes	Spiral Angle	Groove Profile	Coating	Inventory
	D	Lc	d	L					
3*8*3*50*4T	3	8	3	50	4	38° ~41°	Ladder Chute	HT	●
3*12*3*50*4T	3	12	3	50	4	38° ~41°	Ladder Chute	HT	○
3*15*3*50*4T	3	15	3	50	4	38° ~41°	Ladder Chute	HT	●
4*10*4*50*4T	4	10	4	50	4	38° ~41°	Ladder Chute	HT	●
4*16*4*50*4T	4	16	4	50	4	38° ~41°	Ladder Chute	HT	○
4*20*4*75*4T	4	20	4	75	4	38° ~41°	Ladder Chute	HT	●
6*15*6*50*4T	6	15	6	50	4	38° ~41°	Ladder Chute	HT	●
6*24*6*75*4T	6	24	6	75	4	38° ~41°	Ladder Chute	HT	○
6*30*6*75*4T	6	30	6	75	4	38° ~41°	Ladder Chute	HT	●
8*20*8*60*4T	8	20	8	60	4	38° ~41°	Ladder Chute	HT	●
8*32*8*75*4T	8	32	8	75	4	38° ~41°	Ladder Chute	HT	○
8*40*8*100*4T	8	40	8	100	4	38° ~41°	Ladder Chute	HT	●
10*25*10*75*4T	10	25	10	75	4	38° ~41°	Ladder Chute	HT	●
10*40*10*100*4T	10	40	10	100	4	38° ~41°	Ladder Chute	HT	○
10*50*10*100*4T	10	50	10	100	4	38° ~41°	Ladder Chute	HT	●
12*30*12*75*4T	12	32	12	75	4	38° ~41°	Ladder Chute	HT	●
12*48*12*100*4T	12	48	12	100	4	38° ~41°	Ladder Chute	HT	○
12*60*12*100*4T	12	60	12	100	4	38° ~41°	Ladder Chute	HT	●
14*45*14*100*4T	14	45	14	100	4	38° ~41°	Ladder Chute	HT	●
14*70*14*150*4T	14	70	14	150	4	38° ~41°	Ladder Chute	HT	○
16*45*16*100*4T	16	45	16	100	4	38° ~41°	Ladder Chute	HT	●
16*64*16*150*4T	16	64	16	150	4	38° ~41°	Ladder Chute	HT	○
16*80*16*150*4T	16	80	16	150	4	38° ~41°	Ladder Chute	HT	●
18*45*18*100*4T	18	45	18	100	4	38° ~41°	Ladder Chute	HT	○
18*90*18*150*4T	18	90	18	150	4	38° ~41°	Ladder Chute	HT	○
20*45*20*100*4T	20	45	20	100	4	38° ~41°	Ladder Chute	HT	●
20*80*20*150*4T	20	80	20	150	4	38° ~41°	Ladder Chute	HT	○
20*100*20*200*4T	20	100	20	200	4	38° ~41°	Ladder Chute	HT	●

● Available ○ Out of stock for restocking

SS35 Series 4 Flutes Milling Cutter



Cobalt content 12%, grain size 0.4 μ m, HRA92.5

Material composition

12%, 0.4 μ m, HRA92.5

Product advantages

- 1.Uniquel anti-vibration design ,Unequally divided with unequal spirals, effective vibration resistance
- 2.Widening design of chip groove, large capacity chip groove, smooth processing and good chip removal
- 3.Rough machining:The bar material is heat-resistant and impact resistant, the cutting edge is not easily broken, and the metal removal rate is high
Precision machining:The bar material has good red hardness, higher hardness, and greater wear resistance
- 4.Adopting a composite nano coating, it has good lubricity and outstanding high temperature resistance, which helps to efficiently remove chips and dissipate heat from the tool

Suitable for processing materials and processing parameters

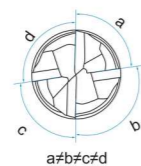
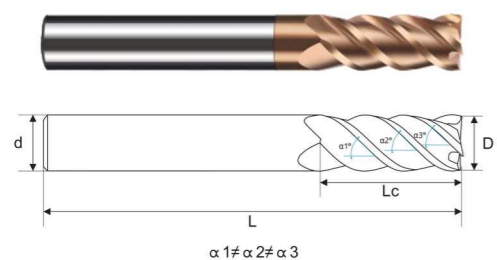
	Suitable Aaterials	ap	ae	vc m/min	fz mm/z
P	Carbon steel alloy steel (<35HRC)				
	Alloy Steel (35-48HRC)				
M	Stainless Steels				
K	Gray Cast iron, Ductile Cast Iron (<32HRC)				
	High Alloy Cast Iron (35-45HRC)				
N	Forged Aluminum Alloy, Cast Aluminum Alloy (si<12%)				
S	Nickel-based Superalloy	ap ≤ 1D	ae ≤ 0.1D	20	0.002D
	Titanium Alloy				
H	Alloy Steel, Hardened Steel (45-65HRC)				

Please adjust the parameters according to the material and hardness of workpieces

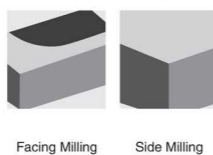
Type	Specification				Flutes	Spiral Angle	Groove Profile	Coating	Inventory
	D	Lc	d	L					
3*8*3*50*4T	3	8	3	50	4	35° ~38°	Ladder Chute	HT	●
3*12*3*50*4T	3	12	3	50	4	35° ~38°	Ladder Chute	HT	○
3*15*3*50*4T	3	15	3	50	4	35° ~38°	Ladder Chute	HT	●
4*10*4*50*4T	4	10	4	50	4	35° ~38°	Ladder Chute	HT	●
4*16*4*50*4T	4	16	4	50	4	35° ~38°	Ladder Chute	HT	○
4*20*4*75*4T	4	20	4	75	4	35° ~38°	Ladder Chute	HT	●
6*15*6*50*4T	6	15	6	50	4	35° ~38°	Ladder Chute	HT	●
6*24*6*75*4T	6	24	6	75	4	35° ~38°	Ladder Chute	HT	○
6*30*6*75*4T	6	30	6	75	4	35° ~38°	Ladder Chute	HT	●
8*20*8*60*4T	8	20	8	60	4	35° ~38°	Ladder Chute	HT	●
8*32*8*75*4T	8	32	8	75	4	35° ~38°	Ladder Chute	HT	○
8*40*8*100*4T	8	40	8	100	4	35° ~38°	Ladder Chute	HT	●
10*25*10*75*4T	10	25	10	75	4	35° ~38°	Ladder Chute	HT	●
10*40*10*100*4T	10	40	10	100	4	35° ~38°	Ladder Chute	HT	○
10*50*10*100*4T	10	50	10	100	4	35° ~38°	Ladder Chute	HT	●
12*30*12*75*4T	12	32	12	75	4	35° ~38°	Ladder Chute	HT	●
12*48*12*100*4T	12	48	12	100	4	35° ~38°	Ladder Chute	HT	○
12*60*12*100*4T	12	60	12	100	4	35° ~38°	Ladder Chute	HT	●
14*45*14*100*4T	14	45	14	100	4	35° ~38°	Ladder Chute	HT	●
14*70*14*150*4T	14	70	14	150	4	35° ~38°	Ladder Chute	HT	○
16*45*16*100*4T	16	45	16	100	4	35° ~38°	Ladder Chute	HT	●
16*64*16*150*4T	16	64	16	150	4	35° ~38°	Ladder Chute	HT	○
16*80*16*150*4T	16	80	16	150	4	35° ~38°	Ladder Chute	HT	●
18*45*18*100*4T	18	45	18	100	4	35° ~38°	Ladder Chute	HT	○
18*90*18*150*4T	18	90	18	150	4	35° ~38°	Ladder Chute	HT	○
20*45*20*100*4T	20	45	20	100	4	35° ~38°	Ladder Chute	HT	●
20*80*20*150*4T	20	80	20	150	4	35° ~38°	Ladder Chute	HT	○
20*100*20*200*4T	20	100	20	200	4	35° ~38°	Ladder Chute	HT	●

● Available ○ Out of stock for restocking

SH Series 4 Flutes Milling Cutter



Processing method



Cobalt content 9%, grain size 0.3-0.4 μ m, HRA93.5-94

Material composition

9%, 0.3–0.4 μ m, HRA93.5–94

Product advantages

1. Unequal design, effective seismic resistance
2. Large core thickness design, strong rigidity, more stable processing
3. Large helix angle design, low cutting edge load, increases tool life
4. The blade edge is designed with a large wedge angle, making it stronger and less prone to breakage
5. Rod material has high hardness and is more wear-resistant

Suitable for processing materials and processing parameters

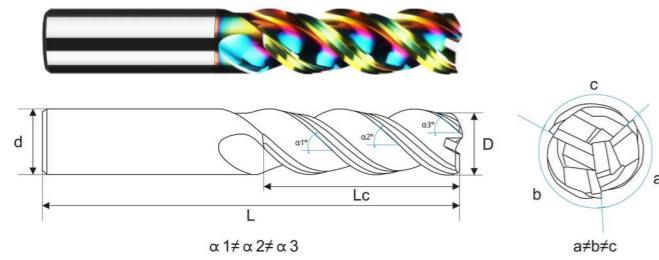
	Suitable Aaterials	ap	ae	vc m/min	fz mm/z
P	Carbon steel alloy steel (<35HRC)				
	Alloy Steel (35–48HRC)				
M	Stainless Steels				
K	Gray Cast iron, Ductile Cast Iron (<32HRC)				
	High Alloy Cast Iron (35–45HRC)				
N	Forged Aluminum Alloy, Cast Aluminum Alloy (si<12%)				
S	Nickel-based Superalloy				
	Titanium Alloy				
H	Alloy Steel, Hardened Steel (45–65HRC)	ap ≤ 1.5D	ae ≤ 0.02D	150	0.007D

Please adjust the parameters according to the material and hardness of workpieces

Type	Specification				Flutes	Spiral Angle	Groove Profile	Coating	Inventory
	D	Lc	d	L					
3*8*3*50*4T/6T	3	8	3	50	4/6	45°	Flat groove	ALTIN+TiSiN	●
3*12*3*50*4T/6T	3	12	3	50	4/6	45°	Flat groove	ALTIN+TiSiN	○
3*15*3*50*4T/6T	3	15	3	50	4/6	45°	Flat groove	ALTIN+TiSiN	●
4*10*4*50*4T/6T	4	10	4	50	4/6	45°	Flat groove	ALTIN+TiSiN	●
4*16*4*50*4T/6T	4	16	4	50	4/6	45°	Flat groove	ALTIN+TiSiN	○
4*20*4*75*4T/6T	4	20	4	75	4/6	45°	Flat groove	ALTIN+TiSiN	●
6*15*6*50*4T/6T	6	15	6	50	4/6	45°	Flat groove	ALTIN+TiSiN	●
6*24*6*75*4T/6T	6	24	6	75	4/6	45°	Flat groove	ALTIN+TiSiN	○
6*30*6*75*4T/6T	6	30	6	75	4/6	45°	Flat groove	ALTIN+TiSiN	●
8*20*8*60*4T/6T	8	20	8	60	4/6	45°	Flat groove	ALTIN+TiSiN	●
8*32*8*75*4T/6T	8	32	8	75	4/6	45°	Flat groove	ALTIN+TiSiN	○
8*40*8*100*4T/6T	8	40	8	100	4/6	45°	Flat groove	ALTIN+TiSiN	●
10*25*10*75*4T/6T	10	25	10	75	4/6	45°	Flat groove	ALTIN+TiSiN	●
10*40*10*100*4T/6T	10	40	10	100	4/6	45°	Flat groove	ALTIN+TiSiN	○
10*50*10*100*4T/6T	10	50	10	100	4/6	45°	Flat groove	ALTIN+TiSiN	●
12*30*12*75*4T/6T	12	32	12	75	4/6	45°	Flat groove	ALTIN+TiSiN	●
12*48*12*100*4T/6T	12	48	12	100	4/6	45°	Flat groove	ALTIN+TiSiN	○
12*60*12*100*4T/6T	12	60	12	100	4/6	45°	Flat groove	ALTIN+TiSiN	●
14*45*14*100*4T/6T	14	45	14	100	4/6	45°	Flat groove	ALTIN+TiSiN	●
14*70*14*150*4T/6T	14	70	14	150	4/6	45°	Flat groove	ALTIN+TiSiN	○
16*45*16*100*4T/6T	16	45	16	100	4/6	45°	Flat groove	ALTIN+TiSiN	●
16*64*16*150*4T/6T	16	64	16	150	4/6	45°	Flat groove	ALTIN+TiSiN	○
16*80*16*150*4T/6T	16	80	16	150	4/6	45°	Flat groove	ALTIN+TiSiN	●
18*45*18*100*4T/6T	18	45	18	100	4/6	45°	Flat groove	ALTIN+TiSiN	○
18*90*18*150*4T/6T	18	90	18	150	4/6	45°	Flat groove	ALTIN+TiSiN	○
20*45*20*100*4T/6T	20	45	20	100	4/6	45°	Flat groove	ALTIN+TiSiN	●
20*80*20*150*4T/6T	20	80	20	150	4/6	45°	Flat groove	ALTIN+TiSiN	○
20*100*20*200*4T/6T	20	100	20	200	4/6	45°	Flat groove	ALTIN+TiSiN	●

● Available ○ Out of stock for restocking

SA Series 3 Flutes Milling Cutter



Cobalt content of 10%, grain size of 0.8 μ m, HRA91.5-92

Material composition

10%, 0.8 μ m, HRA91.5-92

Product advantages

- 1.Uniqual anti-vibration design ,Unequally divided with unequal spirals, effective vibration resistance, Higher processing efficiency
2. U-shaped groove design increases the chip storage space, ensuring smooth processing and good chip removal
- 3.Polishing the blade groove effectively suppresses build-up edge
- 4.DLC coating can significantly reduce the friction coefficient, suppress the formation of build-up edge, and improve the surface quality of workpieces

Type	Specification				Flutes	Spiral Angle	Groove Profile	Coating	Inventory
	D	Lc	d	L					
3*9*3*50*3T	3	9	3	50	3	43° ~45°	U slot	DLC	●
3*15*3*50*3T	3	15	3	50	3	43° ~45°	U slot	DLC	●
4*12*4*50*3T	4	12	4	50	3	43° ~45°	U slot	DLC	●
4*20*4*75*3T	4	20	4	75	3	43° ~45°	U slot	DLC	●
6*18*6*50*3T	6	18	6	50	3	43° ~45°	U slot	DLC	●
6*30*6*75*3T	6	30	6	75	3	43° ~45°	U slot	DLC	●
8*24*8*60*3T	8	24	8	60	3	43° ~45°	U slot	DLC	●
8*40*8*100*3T	8	40	8	100	3	43° ~45°	U slot	DLC	●
10*30*10*75*3T	10	30	10	75	3	43° ~45°	U slot	DLC	●
10*50*10*100*3T	10	50	10	100	3	43° ~45°	U slot	DLC	●
12*36*12*75*3T	12	32	12	75	3	43° ~45°	U slot	DLC	●
12*60*12*100*3T	12	60	12	100	3	43° ~45°	U slot	DLC	●

● Available ○ Out of stock for restocking

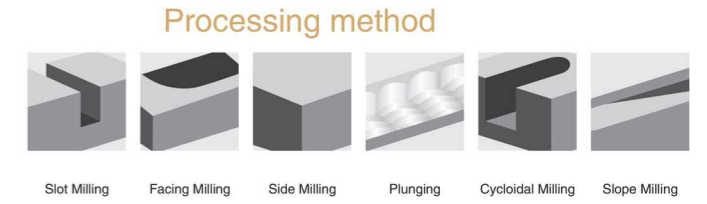
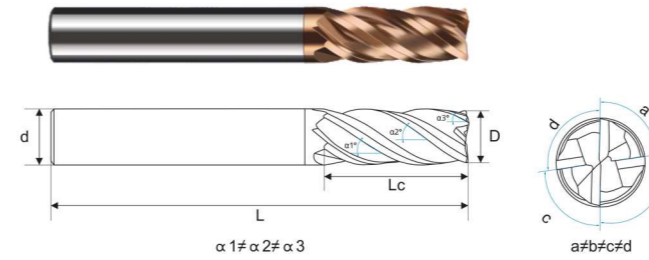
Suitable for processing materials and processing parameters

Suitable Aaterials	ap	ae	vc m/min	fz mm/z
N Forged Aluminum Alloy, Cast Aluminum Alloy (si<12%)	ap≤1.5D	ae≤0.2D	150	0.015D

Please adjust the parameters according to the material and hardness of workpieces

SG

SG Series 4 Flutes Milling Cutter



Cobalt content of 10%, grain size of 0.8 μ m, HRA91.5-92

Material composition

10%, 0.8 μ m, HRA91.5-92

Product advantages

- 1.Uniqual anti-vibration design ,Unequally divided with unequal spirals, effective vibration resistance, high metal removal rate, and good processing surface roughness
- 2.Widening design of chip groove, large capacity chip groove, smooth processing and good chip removal
- 3.Coating:high wear resistance, oxidation resistance, low friction coefficient, thermal stability, good universality, suitable for processing various steel parts, stainless steel, cast iron

Type	Specification				Flutes	Spiral Angle	Groove Profile	Coating	Inventory
	D	Lc	d	L					
3*8*3*50*4T	3	8	3	50	4	35° ~38°	Ladder Chute	SP	●
3*15*3*50*4T	3	15	3	50	4	35° ~38°	Ladder Chute	SP	●
4*10*4*50*4T	4	10	4	50	4	35° ~38°	Ladder Chute	SP	●
4*20*4*75*4T	4	20	4	75	4	35° ~38°	Ladder Chute	SP	●
6*15*6*50*4T	6	15	6	50	4	35° ~38°	Ladder Chute	SP	●
6*30*6*75*4T	6	30	6	75	4	35° ~38°	Ladder Chute	SP	●
8*20*8*60*4T	8	20	8	60	4	35° ~38°	Ladder Chute	SP	●

● Available ○ Out of stock for restocking

Suitable for processing materials and processing parameters

Suitable Aaterials	ap	ae	vc m/min	fz mm/z
P Carbon steel alloy steel (<35HRC)	ap≤1.5D	ae≤0.15D	200	0.01D
M Alloy Steel (35-48HRC)	ap≤1D	ae≤0.1D	150	0.008D
K Stainless Steels	ap≤1.5D	ae≤0.15D	150	0.008D
Gray Cast iron, Ductile Cast Iron (<32HRC)	ap≤1.5D	ae≤0.15D	180	0.008D

Please adjust the parameters according to the material and hardness of workpieces