



PRODUCT CATALOGUE 2023

**INNOVATING BEYOND
PIONEERING AHEAD**

刀片系列 | 立铣刀系列 | 刀杆系列 | 走心机系列 | U钻系列

Insert series | End mill series | Holder serie | Precision automatic series | U drill series

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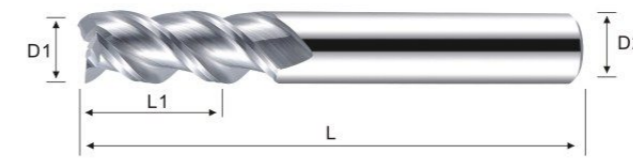


硬质合金铣刀系列

Solid Carbide Endmill Series

铝合金整体合金立铣刀

Solid carbide endmill for aluminum



1. 超细微粒合金棒材，刃口锋利；
 2. 用于铝合金加工；
 3. 也可用于铜、树脂、钢材等材料加工。
1. Ultrafine particle alloy bar, sharp cutting edge;
2. Suitable for aluminum alloy machining;
3. Also suitable for machining of copper, gum and steel and other materials.

技术参数(Technical parameters):

MODEL	直径D1 Flute Diameter	刃长L1 Flute Length	全长L Full length	柄径D2 Shank diameter
1*4*3*50	1	3	50	4
1.5*4*4*50	1.5	4	50	4
2*4*6*50	2	6	50	4
2.5*4*8*50	2.5	8	50	4
3*4*11*50	3	11	50	4
4*4*13*50	4	13	50	4
5*6*17*50	5	17	50	6
6*6*17*50	6	17	50	6
8*8*22*60	8	22	60	8
10*10*27*75	10	27	75	10
12*12*32*75	12	32	75	12
14*14*37*100	14	37	100	14
16*16*40*100	16	40	100	16
18*18*45*100	18	45	100	18
20*20*48*100	20	48	100	20
3*4*16*75	3	16	75	4
4*4*16*75	4	16	75	4
5*6*20*75	5	20	75	6
6*6*20*75	6	20	75	6
8*8*35*100	8	35	100	8
10*10*40*100	10	40	100	10
12*12*45*100	12	45	100	12
16*16*70*150	16	70	150	16



合金平底铣刀(2刃、4刃)

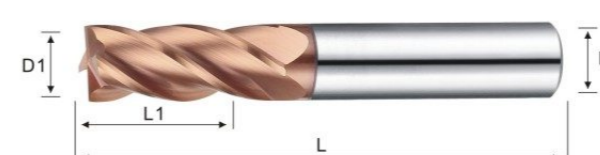
Carbide flat endmill(2Flute,4Flute)



- 1.超细微粒合金棒材,刃口锋利,切削轻快;
 - 2.用于HRC50度以下钢材,不锈钢加工;
 - 3.也可用于铜、镍合金、钛合金、铸铝等材料加工;
 4. TiAlN纳米涂层。
- 1.Ultrafine particle alloy bar, sharp cutting edge and easy and quick cutting;
2.Suitable for machining of steel and stainless steel below HRC50 degrees
3.Also suitable for machining of copper, nickel alloy,titanium alloy and cast aluminum and so on;
4. TiAlN nano-coating.

合金平底铣刀(2刃、4刃)

Carbide flat endmill(2Flute,4Flute)



- 1.超细微粒合金棒材,耐磨性强;
 - 2.用于HRC60度以下钢材加工;
 - 3.也可用于不锈钢、铸铁等材料加工。
 - 4.复合纳米涂层。
- 1.Ultrafine particle alloy bar and high wear resistance;
2.Suitable for machining of steel below HRC60 degrees;
3. Also suitable for machining of stainless steel and cast iron and so on.
4. Composite nano-coating.

技术参数(Technical parameters):

MODEL	直径D1 Flute Diameter	刃长L1 Flute Length	全长L Full length	柄径D2 Shank diameter
1*4*3*50	1	3	50	4
1.5*4*4*50	1.5	4	50	4
2*4*6*50	2	6	50	4
2.5*4*8*50	2.5	8	50	4
3*4*8*50	3	8	50	4
3*6*8*50	3	8	50	6
4*4*10*50	4	10	50	4
4*6*10*50	4	10	50	6
5*6*13*50	5	13	50	6
6*6*15*50	6	15	50	6
8*8*25*60	8	25	60	8
10*10*30*75	10	30	75	10
12*12*30*75	12	30	75	12
14*14*40*100	14	40	100	14
16*16*40*100	16	40	100	16
18*18*45*100	18	45	100	18
20*20*45*100	20	45	100	20
3*4*12*75	3	12	75	4
4*4*16*75	4	16	75	4
4*6*16*75	4	16	75	6
5*6*20*75	5	20	75	6
6*6*24*75	6	24	75	6
8*8*32*100	8	32	100	8
10*10*40*100	10	40	100	10
12*12*48*100	12	48	100	12
16*16*64*150	16	64	150	16
20*20*80*150	20	80	150	20
4*6*16*100	4	16	100	6
6*6*24*100	6	24	100	6
8*8*32*150	8	32	150	8
10*10*40*150	10	40	150	10
12*12*48*150	12	48	150	12
16*16*64*200	16	64	200	16
20*20*80*200	20	80	200	20

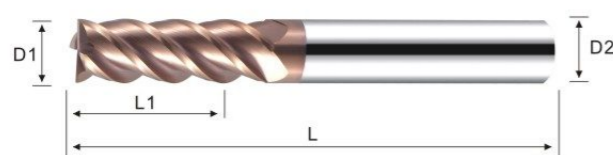
技术参数(Technical parameters):

MODEL	直径D1 Flute Diameter	刃长L1 Flute Length	全长L Full length	柄径D2 Shank diameter
1*4*3*50	1	3	50	4
1.5*4*4*50	1.5	4	50	4
2*4*6*50	2	6	50	4
2.5*4*8*50	2.5	8	50	4
3*4*8*50	3	8	50	4
3*6*8*50	3	8	50	6
4*4*10*50	4	10	50	4
4*6*10*50	4	10	50	6
5*6*13*50	5	13	50	6
6*6*15*50	6	15	50	6
8*8*25*60	8	25	60	8
10*10*30*75	10	30	75	10
12*12*30*75	12	30	75	12
14*14*40*100	14	40	100	14
16*16*40*100	16	40	100	16
20*20*45*100	20	45	100	20
3*4*12*75	3	12	75	4
4*4*16*75	4	16	75	4
4*6*16*75	4	16	75	6
5*6*20*75	5	20	75	6
6*6*24*75	6	24	75	6
8*8*32*100	8	32	100	8
10*10*40*100	10	40	100	10
12*12*48*100	12	48	100	12
16*16*64*150	16	64	150	16
20*20*80*150	20	80	150	20
4*6*16*100	4	16	100	6
6*6*24*100	6	24	100	6
8*8*32*150	8	32	150	8
10*10*40*150	10	40	150	10

合金平底铣刀 (2刃、4刃)

Carbide flat endmill(2Flute,4Flute)

45° 螺旋
45° helix



- 1.超细微粒合金棒材, 耐磨性强;
- 2.用于用于HRC60度以下钢材加工;
- 3.也可用于不锈钢、铸铁等材料加工。
- 4.复合纳米涂层。

1. Ultrafine particle alloy bar and high wear resistance;
2. Suitable for machining of steel below HRC60 degrees;
3. Also suitable for machining of stainless steel and cast iron and so on.
4. Composite nano-coating.

技术参数(Technical parameters):

MODEL	直径D1 Flute Diameter	刃长L1 Flute Length	全长L Full length	柄径D2 Shank diameter
1*4*3*50	1	3	50	4
1.5*4*4*50	1.5	4	50	4
2*4*6*50	2	6	50	4
2.5*4*8*50	2.5	8	50	4
3*4*8*50	3	8	50	4
3*6*8*50	3	8	50	6
4*4*10*50	4	10	50	4
4*6*10*50	4	10	50	6
5*6*13*50	5	13	50	6
6*6*15*50	6	15	50	6
8*8*25*60	8	25	60	8
10*10*30*75	10	30	75	10
12*12*30*75	12	30	75	12
14*14*40*100	14	40	100	14
16*16*40*100	16	40	100	16
20*20*45*100	20	45	100	20
3*4*12*75	3	12	75	4
4*4*16*75	4	16	75	4
4*6*16*75	4	16	75	6
5*6*20*75	5	20	75	6
6*6*24*75	6	24	75	6
8*8*32*100	8	32	100	8
10*10*40*100	10	40	100	10
12*12*48*100	12	48	100	12
16*16*64*150	16	64	150	16
20*20*80*150	20	80	150	20
4*6*16*100	4	16	100	6
6*6*24*100	6	24	100	6
8*8*32*150	8	32	150	8
10*10*40*150	10	40	150	10

合金球头铣刀

Carbide ballnose endmill



- 1.超细微粒合金棒材, 耐磨性强;
- 2.用于用于HRC50度以下钢材加工;
- 3.也可用于不锈钢、铸铁等材料加工。
4. TiAlN纳米涂层。

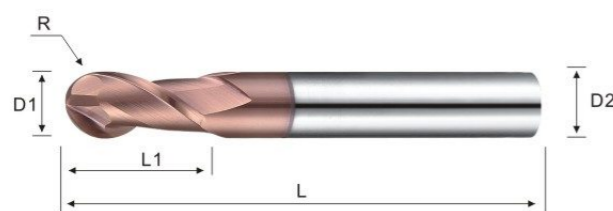
1. Ultrafine particle alloy bar and high wear resistance;
2. Suitable for machining of steel below HRC50 degrees;
3. Also suitable for machining of stainless steel and cast iron and so on.
4. TiAlN nano-coating.

技术参数(Technical parameters):

MODEL	直径D1 Flute Diameter	R角R R angle	刃长L1 Flute Length	全长L Full length	柄径D2 Shank diameter
R0.5*4*2*50	1	R0.5	2	50	4
R0.75*4*4*50	1.5	R0.75	4	50	4
R1*4*4*50	2	R1	4	50	4
R1.25*4*6*50	2.5	R1.25	6	50	4
R1.5*4*6*50	3	R1.5	6	50	4
R2*4*8*50	4	R2	8	50	4
R2.5*6*12*50	5	R2.5	12	50	6
R3*6*12*50	6	R3	12	50	6
R4*8*16*60	8	R4	16	60	8
R5*10*20*75	10	R5	20	75	10
R6*12*25*75	12	R6	25	75	12
R8*16*30*100	16	R8	30	100	16
R10*20*35*100	20	R10	35	100	20
R1.5*4*6*75	3	R1.5	6	75	4
R2*4*8*75	4	R2	8	75	4
R2*6*8*75	4	R2	8	75	6
R2.5*6*12*75	5	R2.5	12	75	6
R3*6*12*75	6	R3	12	75	6
R4*8*16*100	8	R4	16	100	8
R5*10*20*100	10	R5	20	100	10
R6*12*25*100	12	R6	25	100	12
R8*16*30*150	16	R8	30	150	16
R10*20*35*150	20	R10	35	150	20
R2*6*8*100	4	R2	8	100	6
R3*6*12*100	6	R3	12	100	6
R4*8*16*150	8	R4	16	150	8
R5*10*20*150	10	R5	20	150	10
R6*12*25*150	12	R6	25	150	12

合金球头铣刀

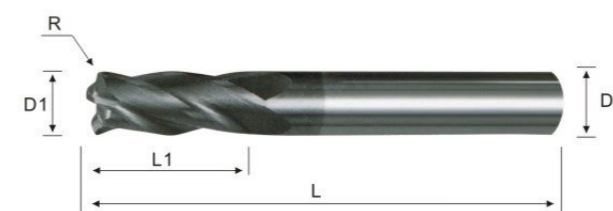
Carbide ballnose endmill



1. 超细微粒合金棒材，耐磨性强；
 2. 用于用于HRC60度以下钢材加工；
 3. 也可用于不锈钢、铸铁等材料加工。
 4. 复合纳米涂层。
1. Ultrafine particle alloy bar and high wear resistance;
 2. Suitable for machining of steel below HRC60 degrees;
 3. Also suitable for machining of stainless steel and cast iron and so on.
 4. Composite nano-coating.

合金圆角铣刀

Carbide corner-radius endmill



1. 超细微粒合金棒材，耐磨性强；
 2. 用于用于HRC50度以下钢材加工；
 3. 也可用于不锈钢、铸铁等材料加工。
 4. TiAlN纳米涂层。
1. Ultrafine particle alloy bar and high wear resistance;
 2. Suitable for machining of steel below HRC50 degrees;
 3. Also suitable for machining of stainless steel and cast iron and so on.
 4. TiAlN nano-coating.

技术参数(Technical parameters):

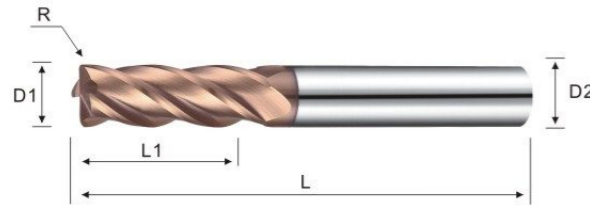
MODEL	直径D1 Flute Diameter	R角R R angle	刃长L1 Flute Length	全长L Full length	柄径D2 Shank diameter
R0.5*4*1*50	1	R0.5	1	50	4
R0.75*4*1.5*50	1.5	R0.75	1.5	50	4
R1*4*2*50	2	R1	2	50	4
R1.25*4*2.5*50	2.5	R1.25	2.5	50	4
R1.5*4*3*50	3	R1.5	3	50	4
R1.5*6*3*50	3	R1.5	3	50	6
R2*4*4*50	4	R2	4	50	4
R2*6*4*50	4	R2	4	50	6
R2.5*6*5*50	5	R2.5	5	50	6
R3*8*8*60	6	R3	6	50	6
R4*8*8*60	8	R4	8	60	8
R5*10*10*75	10	R5	10	75	10
R6*12*12*75	12	R6	12	75	12
R8*16*16*100	16	R8	16	100	16
R10*20*20*100	20	R10	20	100	20
R1.5*6*4.5*75	3	R1.5	4.5	75	6
R2*6*6*75	4	R2	6	75	6
R2.5*6*7.5*75	5	R2.5	7.5	75	6
R3*6*9*75	6	R3	9	75	6
R4*8*12*100	8	R4	12	100	8
R5*10*15*100	10	R5	15	100	10
R6*12*18*100	12	R6	18	100	12
R8*16*24*150	16	R8	24	150	16
R10*20*30*150	20	R10	30	150	20
R2*6*6*100	4	R2	6	100	6
R3*6*9*100	6	R3	9	100	6
R4*8*16*150	8	R4	16	150	8
R5*10*20*150	10	R5	20	150	10

技术参数(Technical parameters):

MODEL	直径D1 Flute Diameter	R角R R angle	刃长L1 Flute Length	全长L Full length	柄径D2 Shank diameter
1R0.2*4*2*50	1	R0.2	2	50	4
2R0.2*4*4*50	2	R0.2	4	50	4
3R0.2*4*6*50	3	R0.2	6	50	4
3R0.5*4*6*50	3	R0.5	6	50	4
4R0.2*4*8*50	4	R0.2	8	50	4
4R0.5*4*8*50	4	R0.5	8	50	4
4R1*4*8*50	4	R1	8	50	4
6R0.5*6*12*50	6	R0.5	12	50	6
6R1*6*12*50	6	R1	12	50	6
8R0.5*8*16*60	8	R0.5	16	60	8
8R1*8*16*60	8	R1	16	60	8
10R0.5*10*20*75	10	R0.5	20	75	10
10R1*10*20*75	10	R1	20	75	10
12R0.5*12*24*75	12	R0.5	24	75	12
12R1*12*24*75	12	R1	24	75	12
12R2*12*24*75	12	R2	24	75	12
4R0.2*6*8*75	4	R0.2	8	75	6
4R0.5*6*8*75	4	R0.5	8	75	6
6R0.5*6*12*100	6	R0.5	12	100	6
6R1*6*12*100	6	R1	12	100	6
8R0.5*8*16*100	8	R0.5	16	100	8
8R1*8*16*100	8	R1	16	100	8
10R0.5*10*20*100	10	R0.5	20	100	10
10R1*10*20*100	10	R1	20	100	10
12R0.5*12*24*100	12	R0.5	24	100	12
12R1*12*24*100	12	R1	24	100	12
12R2*12*24*100	12	R2	24	100	12

合金圆角铣刀

Carbide corner-radius endmill



1. 超细微粒合金棒材，耐磨性强；
 2. 用于用于HRC60度以下钢材加工；
 3. 也可用于不锈钢、铸铁等材料加工。
 4. 复合纳米涂层。
1. Ultrafine particle alloy bar and high wear resistance;
 2. Suitable for machining of steel below HRC60 degrees;
 3. Also suitable for machining of stainless steel and cast iron and so on.
 4. Composite nano-coating.

技术参数(Technical parameters):

MODEL	直径D1 Flute Diameter	R角R R angle	刃长L1 Flute Length	全长L Full length	柄径D2 Shank diameter
3R0.2*4*3*50	3	R0.2	3	50	4
3R0.5*4*3*50	3	R0.5	3	50	4
4R0.2*4*4*50	4	R0.2	4	50	4
4R0.5*4*4*50	4	R0.5	4	50	4
4R1*4*4*50	4	R1	4	50	4
6R0.5*6*6*50	6	R0.5	6	50	6
6R1*6*6*50	6	R1	6	50	6
8R0.5*8*8*60	8	R0.5	8	60	8
8R1*8*8*60	8	R1	8	60	8
10R0.5*10*10*75	10	R0.5	10	75	10
10R1*10*10*75	10	R1	10	75	10
12R0.5*12*12*75	12	R0.5	12	75	12
12R1*12*12*75	12	R1	12	75	12
12R2*12*12*75	12	R2	12	75	12
4R0.2*6*4*75	4	R0.2	4	75	6
4R0.5*6*4*75	4	R0.5	4	75	6
6R0.5*6*6*100	6	R0.5	6	100	6
6R1*6*6*100	6	R1	6	100	6
8R0.5*8*8*100	8	R0.5	8	100	8
8R1*8*8*100	8	R1	8	100	8
10R0.5*10*10*100	10	R0.5	10	100	10
10R1*10*10*100	10	R1	10	100	10
12R0.5*12*12*100	12	R0.5	12	100	12
12R1*12*12*100	12	R1	12	100	12
12R2*12*12*100	12	R2	12	100	12

型号编制说明

Description of model preparation

切入角 Entrance angle				
A	B	C	D	E
90°	75°	90°	45°	60°
F	G	J	J2	
91°	91°	93°	93°	
K	L	L2	N	N3
75°	95°	95°	63°	63°
P	Q	S	V	U
62.5°	45°	45°	72.5°	93°
X	Y	Z		
100°	80°	93°		

夹紧方式 Clamping method			
W-type 型号	E-type 型号	Q-type 型号	
C-type 型号	JS-type 型号	P-type 型号	S-type 型号
D-type 型号			

12
9

M
8

25
7

25
6

R
5

N
4

3
L

C
2

1
M

9	切刃长 Cutting blade length
3	9.525
4	12.7
5	15.875
6	19.05
8	25.4

8	长度 (mm) Length
H	100
K	125
M	150
P	170
R	200
S	250
T	300

7	宽度 b(mm) Width
	φ

6	高度 h(mm) Height
	φ

5	方向 Direction
L	
N	
R	

4	刀片间隙角 Insert clearance angle
C	7°
B	5°
N	0°
P	11°

2	刀片形状 Insert shape
C	四边形 顶角80°
D	四边形 顶角55°
K	平行四边形 顶角55°
R	圆形
S	正方形
T	正三角形
V	四边形 顶角35°
W	特殊六角形