

# 硬质合金 旋转锉刀

CARBIDE ROTARY BURRS



Cutoutil

Metal Carbide Inserts, Turning Tools, Indexable Milling, Carbide Drill

[www.cutoutil.com](http://www.cutoutil.com)

# Cutoutil Precision Limited

Cutoutil Precision is a professional company specialized in cutting tools ,Diamond tools,Machine Accessories and measuring tools . Since 2009 , we export various cutting tools to Europe , South/North America, Mid-East and Asia and established long-term business relationship with each other.

The scope of main products included indexable toolholders, Carbide End Mills,Carbide Ball End Mills ,Carbide Drills & milling cutter ,carbide inserts and ER collets ,chucks etc . Besides ,we also supply OEM service .

Our principle is always “high quality ,mutual benefits ,fast delivery” . It is saying highest quality tools at the most competitive price with the shortest delivery time . Quality control is the most important . Any comments on quality will be taken seriously

### 旋转锉刀齿型说明

#### EXPLANATION OF CUT TYPE ROTARY FILE

齿型代号

			
标准齿 常见通用 常规产品	密齿 选用订购 按图供应	粗齿 选用订购 按图供应	变模齿 选用订购 按图供应

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### 编号 (标识) 说明

编号	字母	数字	数字	字母	数字
	外型	刃径	刃长	齿型	杆径
例1	A	02	10	M (标准齿)	08
例2	C	08	20	F (细刃)	08



## 用途与特点 ADVANTAGES AND APPLICATION

硬质合金旋转锉是钳工机械化不可缺少的工具。其用途极为广泛，尤其在航空、船舶、汽车、机械、化工等工业部门使用效果更为显著。它可以用来加工铸铁、铸钢、碳素钢、合金钢、不锈钢、淬硬钢、铜和铝等。

- 可以加工各种金属材料，还能加工 $\leq$ HRC 65的淬硬钢
- 可以代替带柄小砂轮加工，无粉尘污染
- 生产效率比用一般手工锉刀加工可提高数十倍，比用小砂轮加工也可提高效率3~5倍
- 刀具耐用度比高速钢刀具可提高十倍，比用小砂轮的耐用度也可提高50倍以上。
- 可以精加工各种形状的金属模腔。
- 清理铸、锻、焊件的飞边、焊缝和毛刺。
- 各种机械零件的倒角、倒圆和沟槽加工。
- 清理管道
- 叶轮流道的光整加工。
- 精加工机械零件的内孔表面。

Using Carbide Rotary Burrs is a effective way to realize mechanization in hand work operations. In the industries of airplane, ship building, automobile, machinery, chemistry etc. Carbide Rotary Burrs can be widely used in machining iron, steel casting, carbon steel, alloy steel, stainless steel, hardened steel, copper aluminium etc.

- Machining various kinds of metal material including  $\leq$ HRC65 hardened steel.
- Instead of small emery wheels, without powder pollution.
- Increasing productivity of several ten times than using hand tools and three to five times than using small emery wheels.
- Having long life of ten times than high speed steel burrs and fifty times than small emery wheels.
- Finish machining various kinds of die cavities.
- Removing the burrs of the castings, forgings and the welding spatter on the weld assemblies.
- Chamfering angel, circular bead or flute on the mechanical components.
- Chamfering or burring the pipes.
- Polishing the impeller channel.
- Grinding the hole to an accurate shape.

硬质合金旋转锉主要用手持风动或电动工具驱动（也可用在机床上），使用时须把旋转锉夹紧夹正。硬质合金旋转锉只有在高的切削速度下工作，方能发挥其卓越的性能。现推荐用主轴转速。

The machines which are used for Carbide Rotary Burrs are usually hand-held, powered either by compressed air or electricity. Be careful about mounting and handling the burr correctly.

Only at high speed, can carbide rotary burrs show their remarkable performance, Recommended spindle speeds.

旋转锉直径mm DIAMETER OF BURR	推荐主轴转速r/min RECOMMENDED SPINDLE SPEEDS
3	65000~75000
6	30000~40000
8	25000~28000
10	20000~23000
12	15000~18000
16	10000~14000

被切削材料较软时宜选用较高的转速。

The higher speeds are applied to softer machined materials.



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## 柱型旋转锉

### CYLINDER

编号	刃径	刃长	柄径	总长
A0210M06	2	10	6	55
A0314M06	3	14	6	55
A0414M06	4	14	6	55
A0616M06	6	16	6	65
A0820M06	8	20	6	65
A1020M06	10	20	6	65
A1225M06	10	20	6	65
A1625M06	16	25	6	65

## 柱型带端齿旋转锉

### CYLINDER WITH END CUTTER

编号	刃径	刃长	柄径	总长
B0210M06	2	10	6	55
B0314M06	3	14	6	55
B0414M06	4	14	6	55
B0616M06	6	16	6	65
B0820M06	8	20	6	65
B1020M06	10	20	6	65
B1225M06	12	25	6	65
B1625M06	16	25	6	65





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### 柱型圆头旋转锉

### CYLINDER WITH BALL TOP

编号	刃径	刃长	柄径	总长	R
C0210M06	2	10	6	55	1
C0314M06	3	14	6	55	15
C0414M06	4	14	6	55	2
C0616M06	6	16	6	65	3
C0820M06	8	20	6	65	4
C1020M06	10	20	6	65	5
C1225M06	12	25	6	65	6
C1625M06	16	25	6	65	8

### 锥形

### TAPER

编号	刃径	刃长	柄径	总长	$\alpha$
M0311M06	3	11	6	55	14°
M0618M06	6	18	6	65	14°
M0820M06	8	20	6	65	20°
M1020M06	10	20	6	65	25°
M1225M06	12	25	6	65	25°
M1625M06	16	25	6	65	25°



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## 倒锥型

### OPPOSITE TAPER

编号	刃径	刃长	柄径	总长	$\alpha$
N0304M06	3	4	6	55	10°
N0607M06	6	7	6	65	10°
N0810M06	8	10	6	65	10°
N1010M06	10	10	6	65	20°
N1213M06	12	13	6	65	20°
N1616M06	16	16	6	65	20°

## 60度锥型

### TAPER WITH 60DEGREE ANGLE

编号	刃径	刃长	柄径	总长	$\alpha$
J0303M06	3	2.6	6	55	60°
J0605M06	6	5.2	6	55	60°
J0807M06	8	6.9	6	55	60°
J1009M06	10	8.7	6	55	60°
J1210M06	12	10.4	6	55	60°
J1614M06	16	13.8	6	55	60°



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### 锥形圆头 TAPER WITH BALL TOP

编号	刃径	刃长	柄径	总长	$\alpha$	R
L0313M06	3	13	6	55	14°	0.9
L0616M06	6	16	6	65	14°	1.2
L0822M06	8	22	6	65	14°	1.4
L1025M06	10	25	6	65	14°	2.2
L1228M06	12	28	6	80	14°	3
L1633M06	16	33	6	80	14°	4.5

### 90度锥型 TAPER WITH 90 DEGREE ANGIL

编号	刃径	刃长	柄径	总长	$\alpha$
K0302M06	3	2	6	55	90°
K0603M06	6	3	6	55	90°
K0804M06	8	4	6	55	90°
K1005M06	10	5	6	55	90°
K1206M06	12	6	6	55	90°
K1608M06	16	8	6	55	90°



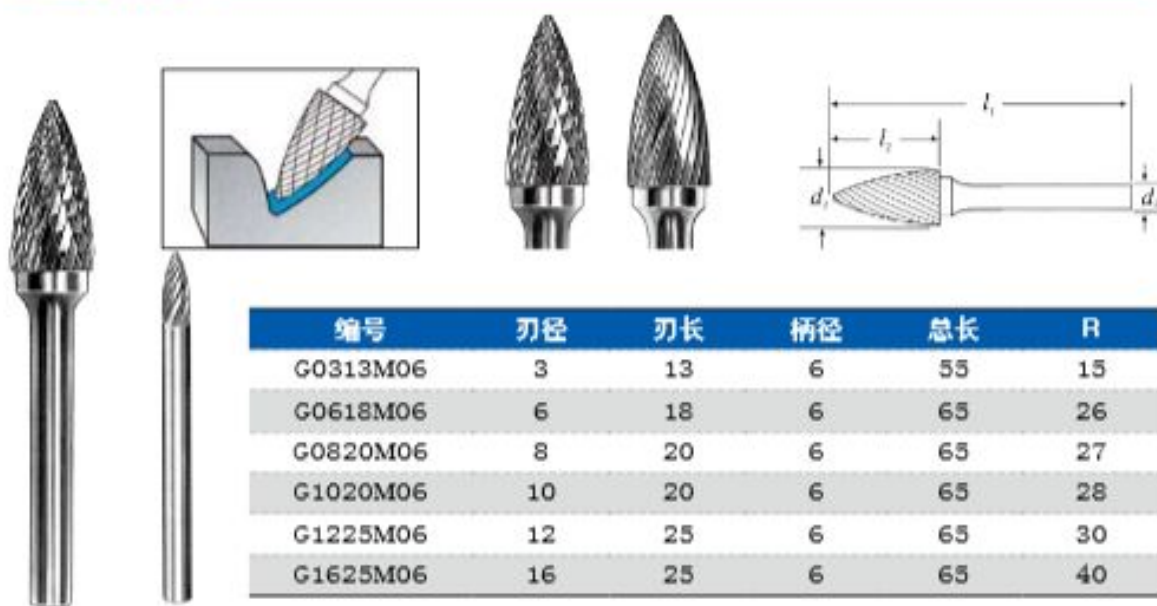


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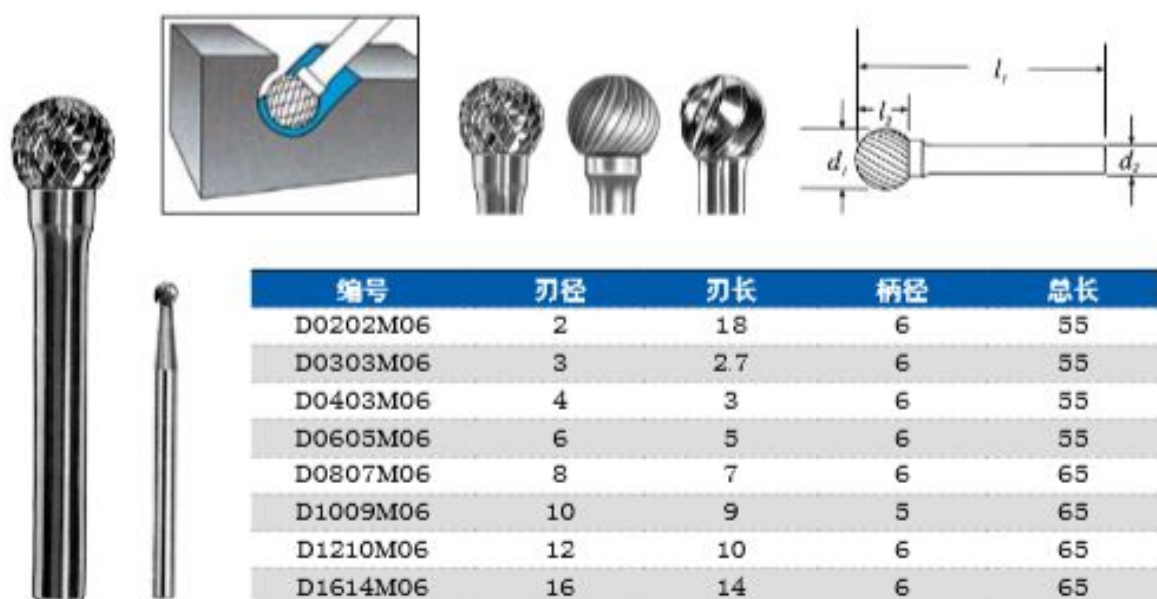
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## 弧型尖顶 ARC CYLINDER WITH SHARP TOP



编号	刃径	刃长	柄径	总长	R
G0313M06	3	13	6	55	15
G0618M06	6	18	6	65	26
G0820M06	8	20	6	65	27
G1020M06	10	20	6	65	28
G1225M06	12	25	6	65	30
G1625M06	16	25	6	65	40

## 球型 SPHERE



编号	刃径	刃长	柄径	总长
D0202M06	2	18	6	55
D0303M06	3	2.7	6	55
D0403M06	4	3	6	55
D0605M06	6	5	6	55
D0807M06	8	7	6	65
D1009M06	10	9	5	65
D1210M06	12	10	6	65
D1614M06	16	14	6	65





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### 椭圆型

### ELLIOTIC CYLINDER

编号	刃径	刃长	柄径	总长	$\alpha$	R
E0307M06	3	7	6	55	12	0.9
E0610M06	6	10	6	65	2.5	12
E0813M06	8	13	6	65	3.7	14
E1016M06	10	16	6	65	4	2.2
E1220M06	12	20	6	65	5	3
E1625M06	16	25	6	65	6.5	4.5

### 火炬型

### TIRCH CYLINDER

编号	刃径	刃长	柄径	总长	$\alpha$
H0313M06	3	13	6	55	0.8
H0618M06	6	18	6	65	1
H0820M06	8	20	6	65	1.5
H1025M06	10	25	6	65	2
H1232M06	12	32	6	80	2.5
H1636M06	16	36	6	80	2.5



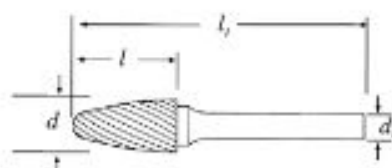
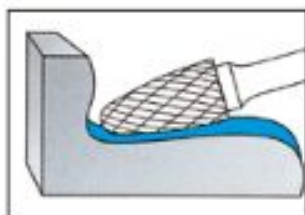
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## 弧型圆头

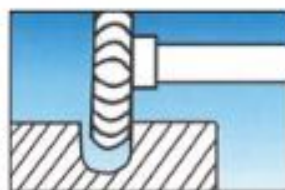
### ARC CYLINDER WITH BALL TOP



编号	刃径	刃长	柄径	总长	R
F0313M06	3	13	6	55	0.8
F0618M06	6	18	6	65	1.5
F0820M06	8	20	6	65	2
F1020M06	10	20	6	65	2.5
F1225M06	12	25	6	65	3
F1625M06	16	25	6	65	3.5

## 圆弧盘型

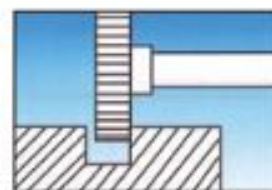
### DISC TYPE WITH ARC EDGE



编号	刃径	刃长	柄径	总长	R
W2504M08	25	4	6	45	3.5
W1603M06	16	3	6	45	2.8

## 圆片型

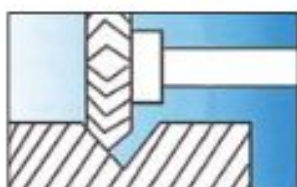
### DISC TYPE



编号	刃径	刃长	柄径	总长
X2504M06	25	4	6	45
X1603M06	16	3	6	45
X1202M06	12	2	6	45

## 90度盘型

### DISC TYPE WITH 90 DEGREE ANGLE EDGE



编号	刃径	刃长	柄径	总长	$\alpha$
Y2505M06	25	5	6	45	90°
Y1603M06	16	3	6	45	90°





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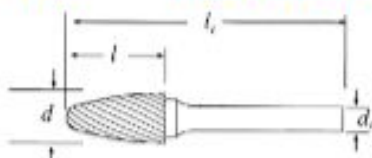
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## 硬质合金旋转锉

### 柄径 $\Phi 3$ 系列钨钢滚磨刀

### CARBIE BURRS, 3mm SHANK SERIES



欢迎订货，也可提供英制硬质合金旋转锉。

Orders are welcome. Inch system carbide rotary burrs can also be supplied.

形状名称	编号	尺寸			形状名称	编号	尺寸		
		D	L	L1			D	L	L1
A型	A4	4	13	40	A型	A41	15	6	38
	A5	5	13	40		A41L	2	12	38
	A6	6	13	48		A42	2.5	14	38
C型	C4	4	13	40	C型	A43	3	16	38
	C5	5	13	40		C41L1	15	6	38
	C6	6	13	48		C41L2	2	12	38
D型	D4	4	4	40	D型	C41	2.5	14	38
	D5	5	5	40		C42	3	16	38
	D6	6	6	48		D41L	1	1	38
E型	E4	4	7	40	E型	D41L1	15	13	38
	E5	5	8	40		D41L2	2	18	38
	E6	6	10	48		D41L3	2.5	2.3	38
F型	F4	4	13	40	F型	D42	3	3	38
	F5	5	13	48		E41	3	5.5	38
	F6	6	13	48		F42	3	12	38
G型	G4	4	13	40	G型	F42L	3	16	38
	G5	5	13	40		G41	3	6	38
	G6	6	13	48		G43	3	12	38
H型	H4	4	13	40	H型	G43L	3	16	38
	H5	5	13	40		G44	3	16	38
	H6	6	13	48		H41	3	6.3	38
L型	L4	4	13	40	L型	L41	3	10	38
	L5	5	13	40		L42	3	12	38
	L6	6	13	48		L43	3	16	38
M型	M4	4	13	40	M型	M41	3	9	38
	M5	5	13	40		M42	3	12	38
	M6	6	13	48		M43	3	16	38
N型	N4	4	6	40	半球型D%	N42	3	4	38
	N5	5	7	40		D%6	6	3.5	45
	N6	6	7	48		D%8	8	4.5	45
T型	T型	T型	T型	T型	T型	T15	12	15	45
						T2	12	2	45
						T3	12	3	45