



**GX TOOLS**



**GX TOOLS**

**CHANGZHOU GUANGXIN TOOLS CO.,LTD.**  
常州市广鑫刀具有限公司

ООО "Современные Технологии НС"  
125310, Россия, г. Москва, шоссе Пятницкое, домовлад. 54,  
корпус 1, помещение 204/1  
Тел.: +7(495)181-23-88, Моб.тел.: +7 (968)712-88-42  
Web: [www.creativetechnologyns.ru](http://www.creativetechnologyns.ru) e-mail: [office@creativetechnologyns.ru](mailto:office@creativetechnologyns.ru)

**CHANGZHOU GUANGXIN TOOLS CO.,LTD.**  
常州市广鑫刀具有限公司





## Company Introduction

Changzhou GuangXin Tools Co.,Ltd is located in Changzhou City, Jiangsu Province, China. We founded in 1996, we have many advanced production equipments and inspection equipments. We are professional manufacturer of milling tools, IT carbide cutting tools, hole marking tools and so on. These are widely used in aerospace, rail transportation, medical equipment and electronic production, automobile industry. Also we can customize non standard tools for you. We will always provide you the best service and price! Shall wait forward to establish friendship with you! Thank you very much!



**WALTER  
HELICHECK PRO**

**WALTER  
HELITRONIC VISION**



**ROLLOMATIC**



### 1. Milling Tools 铣削类刀具

P3-P11

- P3 2 Flutes Micro End Mill  
2 Flutes Micro Ball Nose Mill  
Long Neck End Mill with Micro Diameter
- P4 2 Flutes Micro Double Side End Mill  
2-12 Flutes CNC Corn Mill  
2 Flutes Carbide End Mill
- P5 3 Flutes Carbide End Mill  
4 Flutes Carbide End Mill  
6 Flutes Carbide End Mill
- P6 3-4 Flutes High-Helix Angle Carbide End Mill  
2-4 Flutes Carbide Torus Mill  
4-6 Flutes Carbide Roughing Mill
- P7 Single Flute Mirror Polished Aluminum Tools  
2 Flutes Mirror Polished Aluminum Tools  
3 Flutes Mirror Polished Aluminum Tools
- P8 2 Flutes Solid Carbide Ball Nose Mill  
4 Flutes Solid Carbide Ball Nose Mill  
2-4 Flutes Taper Ball Nose Mill  
4 Flutes Taper End Mill
- P9 Micro Thread Mill  
BSP(G)  
BSPT(RC)
- P10 Three teeth Internal Thread Mill  
NPT  
NPTF
- P11 ISO Metric System Thread Mill  
American System Thread Mill

### 2. Hole Processing Tools 孔加工类刀具

P12-P14

- P12 Solid Carbide Micro Drill  
Solid Carbide Spot Drill 90° , 120°  
Solid Carbide Center Drill
- P13 Solid Carbide Step Drill  
Solid Carbide / HSSE Twist Drill 3XD  
Solid Carbide / HSSE Twist Drill 5XD
- P14 Solid Carbide Coolant Drill  
Solid Carbide Straight Flute Drill  
Solid Carbide / HSSE Drill For Aluminum

### 3. Formed Tools 成型刀具

P15-P17

- P15 Solid Carbide T-Slot Cutter  
Solid Carbide Dovetail Cutter
- P16 Solid Carbide Saw Blade
- P17 Solid Carbide Boring Mini-Bar  
Micro Grain Carbide Rod Material

### 4. Non-standard Tools 非标刀具

P18

- P18 Non-standard Tools  
Inserts



**2 Flutes Micro End Mill 2刃超微径平底铣刀**



Serial No. GX1001.....	010	015	020	025	030	040	050	060	070	080	090
Diameter 刃径d	Φ0.10	Φ0.15	Φ0.20	Φ0.25	Φ0.30	Φ0.40	Φ0.50	Φ0.60	Φ0.70	Φ0.80	Φ0.90
Flute Length 刃长l1	0.20	0.30	0.40	0.50	0.60	0.80	1.0	1.2	1.5	1.6	1.8
Shank Dia 柄径D	4	4	4	4	4	4	4	4	4	4	4
Total Length 总长L	50	50	50	50	50	50	50	50	50	50	50

**2 Flutes Micro Double Side End Mill 2刃双头立铣刀**



Serial No. GX1004.....	030	040	050	060	070	080	090	100	120	150	200	250	300	350	400
Diameter 刃径d	Φ0.30	Φ0.40	Φ0.50	Φ0.60	Φ0.70	Φ0.80	Φ0.90	Φ1.0	Φ1.2	Φ1.5	Φ2.0	Φ2.5	Φ3.0	Φ3.5	Φ4.0
Flute Length 刃长l1	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.5	3.0	4.0	5.0	6.0	7.0	8.0
Shank Dia 柄径D	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total Length 总长L	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

**2 Flutes Micro Ball Nose Mill 2刃超微径球头铣刀**



Serial No. GX1002.....	010	020	030	035	040	045	050	060	070	080	090
R Diameter R径	0.10	0.20	0.30	0.35	0.40	0.45	0.50	0.60	0.70	0.80	0.90
Flute Length 刃长l1	0.40	0.80	1.20	1.40	1.60	1.80	2.00	2.50	3.00	3.50	4.00
Shank Dia 柄径D	4	4	4	4	4	4	4	4	4	4	4
Total Length 总长L	50	50	50	50	50	50	50	50	50	50	50

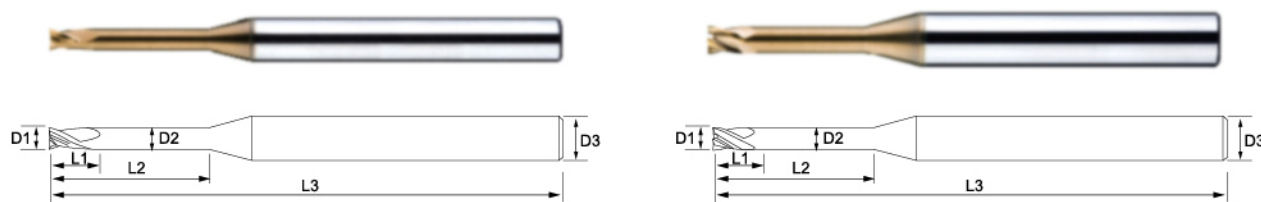
**2-12 Flutes CNC Corn Mill 2-12刃数控玉米铣刀**

PCB Aerospace Composite Material PCB航空航天复合材料



Serial No. GX1005.....	080	100	150	200	300	400	600	800	100	120	140	160
Diameter 刃径d	Φ0.80	Φ1.0	Φ1.5	Φ2.0	Φ3.0	Φ4.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0
Flutes 刃数Z	2	2	2	2	2	2	2	2	2-10	2-12	2-12	2-12
Flute Length 刃长l1	5.0	6.0	8.5	10.5	10.5	12	18	24	30	30	45	50
Shank Dia 柄径D	Φ3.175	Φ3.175	Φ3.175	Φ3.175	Φ3.175	Φ4.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0
Total Length 总长L	38	38	38	38	38	50	50	60	75	75	100	100

**Long Neck End Mill with Micro Diameter 深沟超微径立铣刀**



Serial No. GX1003.....	030	040	050	060	070	080	090	100	150	200	300	400
Diameter 刃径D1	Φ0.30	Φ0.40	Φ0.50	Φ0.60	Φ0.70	Φ0.80	Φ0.90	Φ1.0	Φ1.5	Φ2.0	Φ3.0	Φ4.0
Flutes 刃数Z	2	2	2	2	2	2	2	4	4	4	4	4
Flute Length 刃长L1	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5	2.3	3	3	4
Neck Dia 脖径D2	0.25	0.35	0.45	0.55	0.65	0.75	0.85	0.95	1.45	1.92	2.92	3.92
Effective Length 有效长度L2	2	2	3	3	4	4	5	5	8	10	16	25
Shank Dia 柄径D3	4	4	4	4	4	4	4	4	4	4	4	4
Total Length 总长L3	50	50	50	50	50	50	50	50	50	50	50	50

**2 Flutes Carbide End Mill 2刃硬质合金立铣刀**

For Steel, Cast Iron 钢件, 铸铁



Serial No. GX1006.....	10	20	30	40	50	60	80	100	120	140	160	180	200
Diameter 刃径d	Φ1.0	Φ2.0	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0	Φ18.0	Φ20.0
Flute Length 刃长l1	2.5	5.0	7.5	10.0	13	15	20	25	30	35	40	45	50
Shank Dia 柄径D	4	4	4	4	5	6	8	10	12	14	16	18	20
Total Length 总长L	50	50	50	50	50	50	60	75	75	100	100	150	150



**3 Flutes Carbide End Mill 3刃 硬质合金立铣刀**

For Steel, Cast Iron 钢件, 铸铁



Serial No. GX1007.....	10	20	30	40	50	60	80	100	120	140	160	180	200
Diameter 刃径d	Φ1.0	Φ2.0	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0	Φ18.0	Φ20.0
Flute Length 刃长l1	2.5	5.0	7.5	10.0	13	15	20	25	30	35	40	45	50
Shank Dia 柄径D	4	4	4	4	5	6	8	10	12	14	16	18	20
Total Length 总长L	50	50	50	50	50	50	60	75	75	100	100	150	150

**4 Flutes Carbide End Mill 4刃 硬质合金立铣刀**

For Steel, Cast Iron 钢件, 铸铁



Serial No. GX1008.....	10	20	30	40	50	60	80	100	120	140	160	180	200
Diameter 刃径d	Φ1.0	Φ2.0	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0	Φ18.0	Φ20.0
Flute Length 刃长l1	2.5	5.0	7.5	10.0	13	15	20	25	30	35	40	45	50
Shank Dia 柄径D	4	4	4	4	5	6	8	10	12	14	16	18	20
Total Length 总长L	50	50	50	50	50	50	60	75	75	100	100	150	150

**6 Flutes Carbide End Mill 6刃 硬质合金立铣刀**

For Steel, Cast Iron 钢件, 铸铁



Serial No. GX1009.....	60	80	100	120	160	200	250
Diameter 刃径d	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ16.0	Φ20.0	Φ25.0
Flute Length 刃长l1	16	20	25	25	45	45	45
Shank Dia 柄径D	6	8	10	12	16	20	25
Total Length 总长L	60	60	75	75	100	100	100

**3-4 Flutes High-Helix Angle Carbide End Mill 3-4刃大螺旋角硬质合金立铣刀**

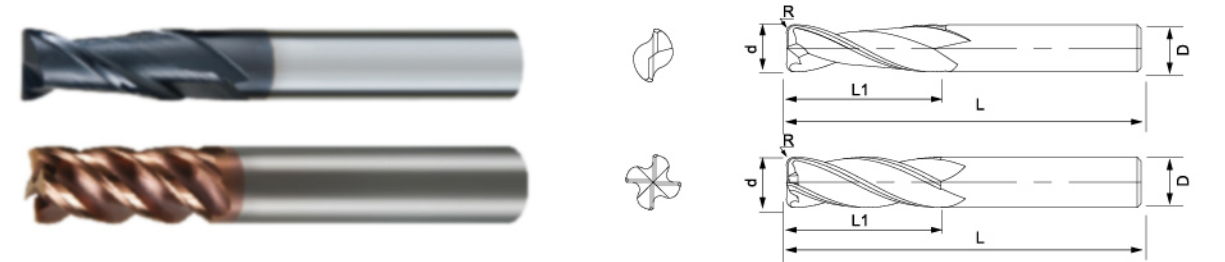
For Steel, Cast Iron 钢件, 铸铁



Serial No. GX10010.....	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200	250
Diameter 刃径d	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ7.0	Φ8.0	Φ9.0	Φ10.0	Φ11.0	Φ12.0	Φ13.0	Φ14.0	Φ15.0	Φ16.0	Φ18.0	Φ20.0	Φ25.0
Flute Length 刃长l1	8	12	15	16	18	20	22	25	25	25	30	45	45	45	45	45	45
Shank Dia 柄径D	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	20	25
Total Length 总长L	50	50	50	50	60	60	75	75	75	75	80	100	100	100	100	100	100

**2-4 Flutes Carbide Torus Mill 2-4刃硬质合金圆鼻铣刀**

CR For Steel, Cast Iron R角 钢件, 铸铁



Serial No. GX10011.....	30	40	50	60	80-1	80-2	100-1	100-2	120	140	160	180	200
Diameter 刃径d	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ8.0	Φ10.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0	Φ18.0	Φ20.0
Flute Length 刃长l1	6	8	15	15	20	20	25	25	25	30	40	40	40
Shank Dia 柄径D	4	4	5	6	8	8	10	10	12	14	16	18	20
Total Length 总长L	50	50	50	50	60	60	75	75	75	80	100	100	100
CR R角	0.5	0.5	0.5	1.0	1.0	2.0	1.0	2.0	1.0	1.0	2.0	1.0	2.0

**4-6 Flutes Carbide Roughing Mill 4-6刃整体硬质合金波刃铣刀**

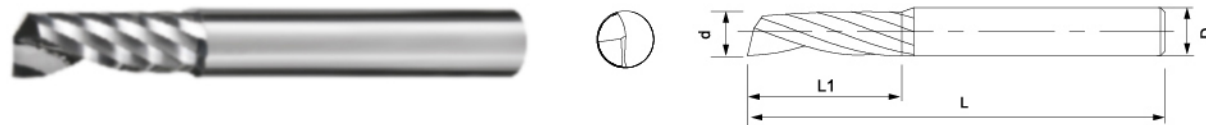


Serial No. GX10015.....	60	80	100	120	140	160	180	200
Diameter 刃径d	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0	Φ18.0	Φ20.0
Flute Length 刃长l1	15	16	22	25	32	32	32	38
Shank Dia 柄径D	6	8	10	12	14	16	18	20
Total Length 总长L	50	60	70	70	80	90	90	100



**Single Flute Mirror Polished Aluminum Tools 单刃镜面铝用刀**

For Aluminum Alloy , Plastic ,Steel,Cast Iron,Copper,Graphite 合金铝, 塑料, 钢, 铸铁, 铜, 石墨



Serial No. GX10012.....	10	15	20	30	40	50	60	80	100
Diameter 刃径d	Φ1.0	Φ1.5	Φ2.0	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ10.0
Flute Length 刃长l1	4	6	8	12	12	14	16	20	22
Shank Dia 柄径D	3	3	3	3	4	5	6	8	10
Total Length 总长L	38	38	38	38	45	45	50	60	70

**2 Flutes Mirror Polished Aluminum Tools 2刃 镜面铝用刀**

For Aluminum ,Non-Ferrous Metal , High Alloy Tool Steel,Stainless Steel 铝, 有色金属, 高合金工具钢, 不锈钢



Serial No. GX10013.....	30	40	50	60	80	100	120	160	200
Diameter 刃径d	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ16.0	Φ20.0
Flute Length 刃长l1	12	12	15	16	22	25	28	35	40
Shank Dia 柄径D	4	4	6	6	8	10	12	16	20
Total Length 总长L	50	50	50	50	60	75	75	100	100

**3 Flutes Mirror Polished Aluminum Tools 3刃 镜面铝用刀**

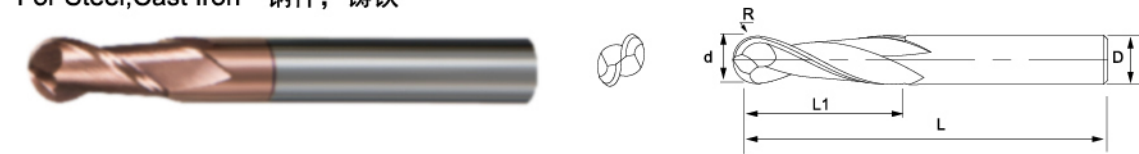
For Non-Ferrous Metal , High Alloy Tool Steel,Stainless Steel 有色金属, 高合金工具钢, 不锈钢



Serial No. GX10014.....	30	40	50	60	80	100	120	160	200
Diameter 刃径d	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ16.0	Φ20.0
Flute Length 刃长l1	12	12	15	16	22	25	28	35	40
Shank Dia 柄径D	4	4	6	6	8	10	12	16	20
Total Length 总长L	50	50	50	50	60	75	75	100	100

**2 Flutes Solid Carbide Ball Nose Mill 2刃 球头硬质合金铣刀**

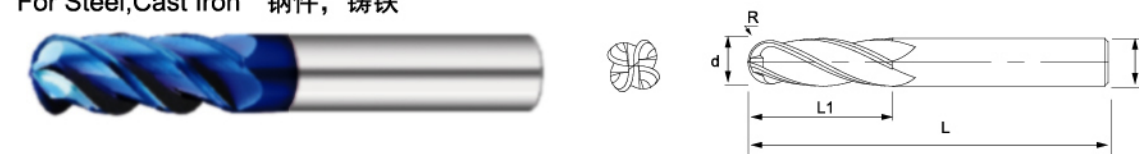
For Steel,Cast Iron 钢件, 铸铁



Serial No. GX10016.....	10	15	20	25	30	40	50	60	70	80	90	100
R Diameter R径	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Flute Length 刃长l1	4	6	8	10	15	20	25	30	35	35	40	40
Shank Dia 柄径D	4	4	4	5	6	8	10	12	14	16	18	20
Total Length 总长L	50	50	50	50	50	60	75	75	80	80	100	100

**4 Flutes Solid Carbide Ball Nose Mill 4刃 球头硬质合金铣刀**

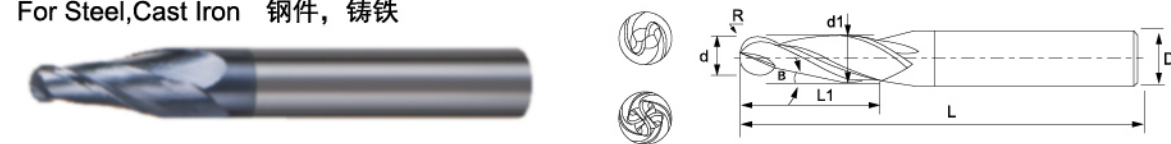
For Steel,Cast Iron 钢件, 铸铁



Serial No. GX10017.....	10	15	20	25	30	40	50	60	70	80	90	100
R Diameter R径	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0
Flute Length 刃长l1	4	6	8	10	15	20	25	30	35	35	40	40
Shank Dia 柄径D	4	4	4	5	6	8	10	12	14	16	18	20
Total Length 总长L	50	50	50	50	50	60	75	75	80	80	100	100

**2-4 Flutes Taper Ball Nose Mill 2-4刃 锥度球头立铣刀**

For Steel,Cast Iron 钢件, 铸铁



Serial No. GX10018.....	030-1	030-2	040-1	040-2	050-1	050-2	060-1	060-2	075-1	075-2	080-1	080-2
Radius R径	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.6	0.75	0.75	0.8	0.8
Taper 锥度B	1°	2°	30'	1°	1°	2°	1°	1°30'	1°	2°	1°30'	2°
Diameter 刃径d1	Φ0.73	Φ0.86	Φ0.89	Φ1.0	Φ1.26	Φ1.53	Φ1.46	Φ1.59	Φ1.75	Φ2.01	Φ2.27	Φ2.39
Flute Length 刃长L1	4	4	6	6	8	8	8	8	8	8	8	12
Shank Dia 柄径D	3	3	3	3	4	4	4	4	4	4	4	4
Total Length 总长L	35	35	35	35	45	45	45	45	45	45	45	45
Flutes 刃数	2	2	2	2	2	2	2	2	4	4	4	4

**4 Flutes Taper End Mill 4刃 锥度立铣刀**

For Steel,Cast Iron 钢件, 铸铁



Serial No. GX10019.....	060-1	060-2	080-1	080-2	100-1	100-2	150-1	150-2	300-1	300-2	400-1	400-2	600	800-1	800-2	800-3
Taper 锥度B	30'	1°	1°	2°	1°	2°	30'	2°	1.5°	2.5°	1°	3°	1°	1°	3°	5°
Diameter 刃径d1	Φ0.6	Φ0.6	Φ0.8	Φ0.8	Φ1.0	Φ1.0	Φ1.5	Φ1.5	Φ3.0	Φ3.0	Φ4.0	Φ4.0	Φ6.0	Φ8.0	Φ8.0	Φ8.0
Taper Dia 锥径d2	0.67	0.74	1.01	1.22	1.21	1.84	1.64	2.06	3.52	3.87	4.52	5.57	6.27	8.87	10.63	12.37
Flute Length 刃长L1	4	4	6	6	6	12	8	8	10	10	15	15	20	25	25	25
Shank Dia 柄径d3	3	3	3	3	4	4	4	4	4	4	4	4	6	8	10	12
Total Length 总长L	35	35	35	35	50	50	50	50	50	50	50	50	60	65	75	100



**Micro Thread Mill 微小螺纹铣刀**



Serial No.GX100.....		螺距 tpi	尺寸mm				槽数 Z
UNC(粗)	UNF(细)		D2	D1	L1	L2	
NO.1-64	NO.1-72	72	4	1.45	57	3.9	3
NO.2-56	NO.2-64	64	4	1.45	57	4.2	3
NO.3-48	NO.3-56	56	4	1.65	57	5.0	3
NO.4,NO.5-40	NO.4-48	48	4	1.90	57	6.0	3
NO.5-40	NO.6-40	40	4	2.10	57	6.0	3
NO.6,NO.8-32	NO.6-40	40	4	2.45	57	7.2	3
NO.8-32	NO.8-36	36	4	3.30	57	8.7	3
NO.10-24	NO.10-32	32	4	2.55	57	7.4	3
1/4**20	NO.10-32	32	4	3.20	57	10.0	3
3/8**16	1/4**28	28	6	5.25	57	13.2	3
7/16**14	5/16**24	24	4	3.58	57	10.2	3
	5/16**24	24	8	6.68	63	16.5	3
	7/16**20	20	6	4.88	57	13.2	3
	7/16**20	20	10	9.55	73	23.0	3
		16	8	6.70	63	19.1	3
		14	10	9.00	73	23.3	3

**BSP(G)**



Serial No.GX100.....	螺距 tpi	尺寸mm				槽数 Z
		D2	D1	L1	L2	
1/16**28, 1/8**28	28	6	5.8	57	16.3	3
1/8**28	28	8	7.7	63	20.0	3
1/4**19, 3/8**19	19	10	9.9	73	26.7	4
3/8**19	19	16	13.4	92	33.4	4
1/2**, 3/4**14	14	16	15.7	92	43.5	5
1**, 1 1/2**, 2**, 2 1/2**11	11	20	19.9	104	41.6	5

**BSPT(RC)**



Serial No.GX100.....	螺距 tpi	尺寸mm				槽数 Z
		D2	D1	L1	L2	
1/16**28, 1/8**28	28	6	5.8	57	16.3	3
1/8**28	28	8	7.7	63	20.0	3
1/4**19, 3/8**19	19	10	9.9	73	26.7	4
3/8**19	19	16	13.4	92	33.4	4
1/2**, 3/4**14	14	16	15.7	92	43.5	5
1**, 1 1/2**, 2**, 2 1/2**11	11	20	19.9	104	41.6	5

**Three teeth Internal Thread Mill 三牙内螺纹铣刀**



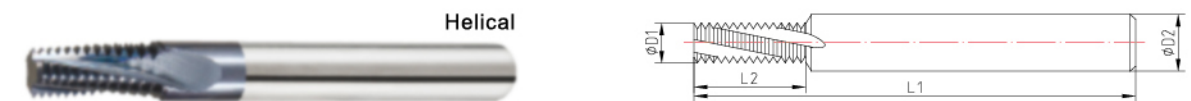
Serial No.GX100.....	螺距 tpi	刃径 d	有效长 L1	刃数 F	柄径 D	全长 L
M1*0.25	0.25	0.73	2.3	3	4	50
M1.2*0.25	0.25	0.92	2.8	3	4	50
M1.4*0.3	0.3	1.05	3.2	3	4	50
M1.6*0.35	0.35	1.2	3.3	3	4	50
M1.8*0.35	0.35	1.41	4.1	3	4	50
M2*0.4	0.4	1.54	4.4	3	4	50
M2.2*0.45	0.45	1.63	4.8	3	4	50
M2.5*0.45	0.45	1.96	5.3	3	4	50
M3*0.5	0.5	2.4	6.4	3	4	50
M3.5*0.6	0.6	2.75	7.4	3	4	50
M4*0.7	0.7	3.15	8.6	3	6	50
M5*0.8	0.8	4	12	3	6	50
M6*1.0	1.0	4.75	13	3	6	50
M8*1.25	1.25	6	17.3	3	6	60
M10*1.5/M11*1.5	1.5	8	18.5	3	8	60
M13*1.5	1.5	10	21.8	4	10	75
M15*1.5	1.5	12	26.3	4	12	80
M20*1.5	1.5	16	35.2	4	16	100
M12*1.75	1.75	10	21.8	3	10	75
M14*2.0	2.0	10	25	3	10	75
M16*2.0	2.0	12	27	4	12	80
M20*2.0	2.0	16	37	4	16	100
M20*2.5	2.5	16	36.3	4	16	100
M24*3.0/M27*3.0	3.0	16	40.5	4	16	100
M27*3.0	3.0	20	43	4	20	100

**NPT**



Serial No.GX100.....	螺距 tpi	尺寸mm				槽数 Z
		D2	D1	L1	L2	
1/16**27	27	6	5.3	57	9.4	3
1/8**27	27	8	7.5	63	9.4	4
1/4**18	18	10	9.4	73	14.1	4
3/8**18	18	12	11.9	83	14.1	4
1/2**, 3/4**14	14	16	15.5	92	25.4	5
1**-2**11.5	11.5	20	19.9	104	33.1	5
2 1/2**, 3**8	8	20	19.9	104	38.1	4

**NPTF**



Serial No.GX100.....	螺距 tpi	尺寸mm				槽数 Z
		D2	D1	L1	L2	
1/16**27	27	6	5.3	57	9.4	3
1/8**27	27	8	7.5	63	9.4	4
1/4**18	18	10	9.4	73	14.1	4
3/8**18	18	12	11.9	83	14.1	4
1/2**, 3/4**14	14	16	15.5	92	25.4	5
1**-2**11.5	11.5	20	19.9	104	33.1	5
2 1/2**, 3**8	8	20	19.9	104	38.1	4



**ISO Metric System Thread Mill ISO公制 螺纹刀**



Serial No.GX100.....		螺距 tpi	尺寸mm				槽数 Z
M粗牙	M细牙		D2	D1	L1	L2	
M1.6*0.35		0.35	4	1.20	30	3.4	3
M2*0.4		0.4	4	1.55	57	4.2	3
M2.2*0.45		0.45	4	1.65	57	4.6	3
M2.5*0.45		0.45	4	1.95	57	5.2	3
M3*0.5	M3.5-M16*0.5	0.5	4	2.40	57	6.2	3
M3.5*0.6		0.6	4	2.75	57	7.3	3
M4*0.7		0.7	4	3.15	57	8.3	3
M5*0.8		0.8	4	4.05	57	10.4	3
M6*1.0	M8-M40*1.0	1.0	6	4.80	57	12.5	3
M8*1.25		1.25	8	6.50	63	16.6	3
M10*1.5	M12-M48*1.50	1.50	10	8.20	73	20.80	3
M12*1.75		1.75	10	9.90	73	25.0	3
M16*2.0		2.0	12	11.90	83	33.0	3
M20*2.5		2.50	16	15.90	92	41.30	3

**American System Thread Mill 美制螺纹刀**



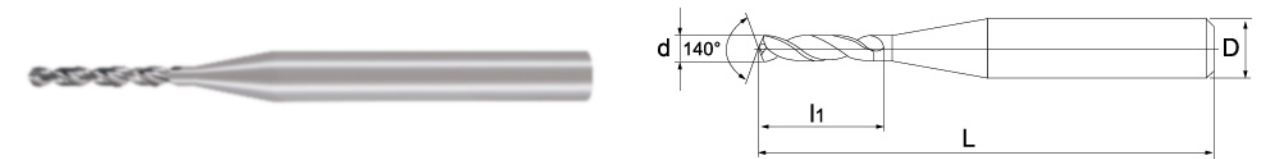
Serial No.GX100.....			螺距 tpi	尺寸mm				槽数 Z
UNC(粗)	UNF(细)	UNEF(特细)		D2	D1	L1	L2	
	NO.8-36		36	4	3.0	45	8.5	3
	NO.10-32	NO.12-3/8**32	32	4	3.3	45	11.1	3
	NO.12-8,1/4**28	7/16",1/2**28	28	4	3.8	45	11.8	3
	1/4*28	7/16",1/2**28	28	6	4.6	57	12.7	3
		7/16",1/2**28	28	10	9.2	73	22.7	4
NO.10-24	5/16",3/8**24	9/16"-11/16**24	24	4	2.9	45	10.6	3
NO.12-24	5/16",3/8**25	9/16"-11/16**24	24	4	3.5	45	11.6	3
	5/16",3/8**25	9/16"-11/16**24	24	6	5.7	57	15.9	3
	3/8**24	9/16"-11/16**24	24	8	7.4	63	19.1	3
		9/16"-11/16**24	24	12	11.9	83	28.6	4
1/4**20	7/16",1/2**20	3/4"-1**20	20	4	3.9	45	12.7	3
	7/16",1/2**20	3/4"-1**20	20	10	8.5	73	22.9	4
	1/2**20	3/4"-1**20	20	10	9.9	73	25.4	4
		3/4"-1**20	20	16	15.9	92	38.1	5
5/16**18	9/16"5/8**18	11/16"-1 11/16**18	18	6	5.2	57	16.9	3
	9/16"5/8**18	11/16"-1 11/16**18	18	12	11.3	83	29.6	4
	5/8**18	11/16"-1 11/16**18	18	12	11.9	83	32.5	4
3/8**16	3/4**16		16	8	6.7	63	19.1	3
	3/4**16		16	16	15.9	92	38.1	4
7/16**14	7/8**14		14	8	7.6	63	23.6	4
	7/8**14		14	20	18.7	104	44.4	4
1/2**13			13	10	8.9	73	25.4	4
9/16**12	1" 1/2**12		12	12	10.3	83	29.6	4
	1" 1/2**12		12	20	19.9	104	50.8	5
5/8**11			11	12	11.0	83	32.3	4
3/4**10			10	16	13.5	92	38.1	5
7/8**9			9	16	15.2	92	45.2	4
1**8			8	20	17.0	104	50.8	4

**GX-11**

CHANGZHOU GUANGXIN TOOLS CO.,LTD.

Remark: Special size are available.

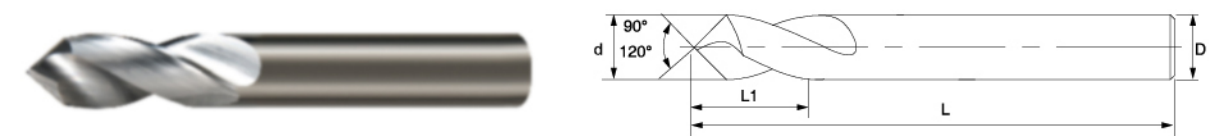
**Solid Carbide Micro Drill 超微径整体合金钻**



Serial No.GX10020.....	010	020	030	040	050	060	070	080	090	100	110	120	130	140	150	160	170
Diameter 刃径d	Φ0.10	Φ0.20	Φ0.30	Φ0.40	Φ0.50	Φ0.60	Φ0.70	Φ0.80	Φ0.90	Φ1.00	Φ1.10	Φ1.20	Φ1.30	Φ1.40	Φ1.50	Φ1.60	Φ1.70
Flute Length 刃长l1	0.20	0.40	5.5	7.0	8.5	9.5	9.5	9.5	9.5	10.5	10.5	10.5	12	12	12	12	12
Shank Dia 柄径D	4.00	4.00	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175
Total Length 总长L	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38

Serial No.GX10020.....	180	200	210	220	230	240	250	260	270	280	290	300	310	315	3175
Diameter 刃径d	Φ1.80	Φ2.00	Φ2.10	Φ2.20	Φ2.30	Φ2.40	Φ2.50	Φ2.60	Φ2.70	Φ2.80	Φ2.90	Φ3.00	Φ3.10	Φ3.15	Φ3.175
Flute Length 刃长l1	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Shank Dia 柄径D	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175	3.175
Total Length 总长L	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38

**Solid Carbide Spot Drill 90°, 120° 整体硬质合金定心钻 90° / 120°**



Serial No.GX10021.....	20	30	40	50	60	80	100	120	140	160	200
Diameter 刃径d	Φ2.0	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0	Φ14.0	Φ16.0	Φ20.0
Flute Length 刃长l1	8	12	13	16	22	24	24	28	30	32	38
Shank Dia 柄径D	3	3	4	5	6	8	10	12	14	16	20
Total Length 总长L	50	50	50	50	60	70	80	80	100	100	100

**Solid Carbide Center Drill 整体硬质合金中心钻**



Serial No.GX10022.....	200	250	315	400	500	630
Diameter 刃径d	Φ2.0	Φ2.5	Φ3.15	Φ4.0	Φ5.0	Φ6.30
Flute Length 刃长l1	2.5	3.1	3.9	5.0	6.3	8.0
Shank Dia 柄径D	5.0	6.3	8.0	10.0	12.0	16.0
Total Length 总长L	50	60	70	80	80	80

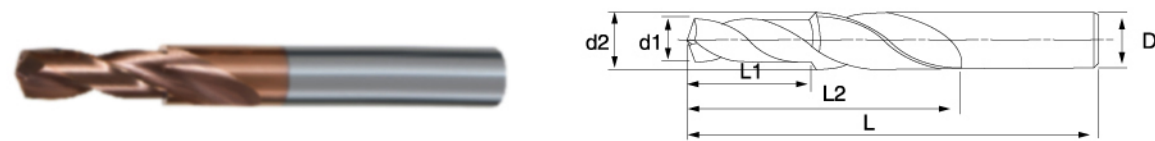
Remark: Special size are available.

**GX-12**

CHANGZHOU GUANGXIN TOOLS CO.,LTD.

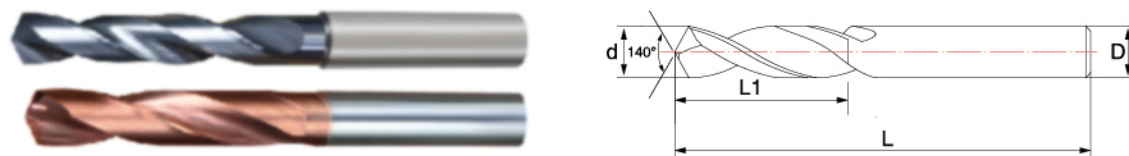


**Solid Carbide Step Drill 整体硬质合金阶梯钻**



Serial No.GX10023.....	34	43	50	68	86	103	123	143
Diameter 刃径d1	Φ3.4	Φ4.3	Φ5.0	Φ6.8	Φ8.6	Φ10.3	Φ12.3	Φ14.3
Flute Length 刃长L1	11.5	13.5	16.5	21	25	30	34	38
Diameter 刃径d2	6	6	8	10	12	14	16	18
Flute Length 刃长L2	28	28	41	47	55	60	65	73
Shank Dia 柄径D	6	6	8	10	12	14	16	18
Total Length 总长L	65	65	80	89	102	107	115	123

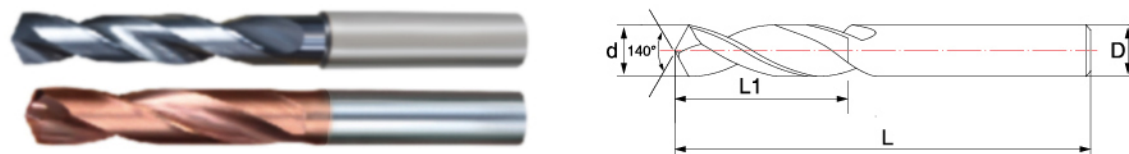
**Solid Carbide/HSSE Twist Drill 3XD 整体硬质合金/高速钢麻花钻 3XD**



Serial No.GX10024.....	35	40	45	50	55	60	65	70	75	80	85	90	95
Diameter 刃径d	Φ3.5	Φ4.0	Φ4.5	Φ5.0	Φ5.5	Φ6.0	Φ6.5	Φ7.0	Φ7.5	Φ8.0	Φ8.5	Φ9.0	Φ9.5
Flute Length 刃长L1	20	24	24	28	28	28	34	34	41	41	47	47	47
Shank Dia 柄径D	6	6	6	6	6	6	8	8	8	8	10	10	10
Total Length 总长L	62	66	66	66	66	66	79	79	79	79	89	89	89

Serial No.GX10024.....	100	105	110	115	120	125	130	135	140	145	150	155	160
Diameter 刃径d	Φ10.0	Φ10.5	Φ11.0	Φ11.5	Φ12.0	Φ12.5	Φ13.0	Φ13.5	Φ14.0	Φ14.5	Φ15.0	Φ15.5	Φ16.0
Flute Length 刃长L1	47	55	55	55	55	60	60	60	60	65	65	65	65
Shank Dia 柄径D	10	12	12	12	12	14	14	14	14	16	16	16	16
Total Length 总长L	89	102	102	102	102	107	107	107	107	115	115	115	115

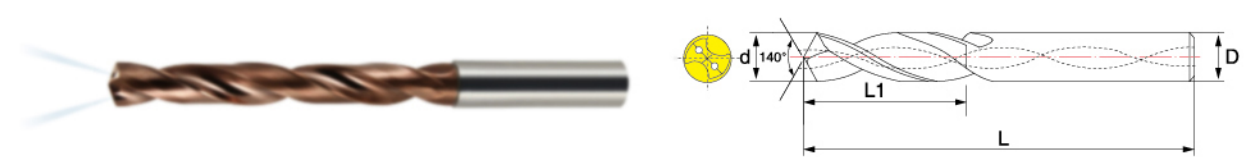
**Solid Carbide/HSSE Twist Drill 5XD 整体硬质合金/高速钢麻花钻 5XD**



Serial No.GX10025.....	35	40	45	50	55	60	65	70	75	80	85	90	95
Diameter 刃径d	Φ3.5	Φ4.0	Φ4.5	Φ5.0	Φ5.5	Φ6.0	Φ6.5	Φ7.0	Φ7.5	Φ8.0	Φ8.5	Φ9.0	Φ9.5
Flute Length 刃长L1	28	36	36	44	44	44	53	53	53	53	61	61	61
Shank Dia 柄径D	6	6	6	6	6	6	8	8	8	8	10	10	10
Total Length 总长L	66	74	74	82	82	82	91	91	91	91	103	103	103

Serial No.GX10025.....	100	105	110	115	120	125	130	135	140	145	150	155	160
Diameter 刃径d	Φ10.0	Φ10.5	Φ11.0	Φ11.5	Φ12.0	Φ12.5	Φ13.0	Φ13.5	Φ14.0	Φ14.5	Φ15.0	Φ15.5	Φ16.0
Flute Length 刃长L1	61	71	71	71	71	77	77	77	77	83	83	83	83
Shank Dia 柄径D	10	12	12	12	12	14	14	14	14	16	16	16	16
Total Length 总长L	103	118	118	118	118	124	124	124	124	133	133	133	133

**Solid Carbide Coolant Drill 整体硬质合金内冷钻**



Serial No.GX10026.....	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
Diameter 刃径d	Φ5.0	Φ6.0	Φ7.0	Φ8.0	Φ9.0	Φ10.0	Φ11.0	Φ12.0	Φ13.0	Φ14.0	Φ15.0	Φ16.0	Φ17.0	Φ18.0	Φ19.0	Φ20.0
Flute Length 刃长L1	42	42	48	48	55	55	65	65	65	65	68	68	75	75	80	80
Shank Dia 柄径D	5	6	7	8	10	11	12	12	13	14	15	16	17	18	19	20
Total Length 总长L	80	80	90	90	100	100	120	120	120	120	130	130	140	140	150	150

**Solid Carbide Straight Flute Drill 整体硬质合金直槽钻**



Serial No.GX10027.....	020	025	030	035	040	045	050	055	060	065
Diameter 刃径d	2.0<d≤2.5	2.5<d≤3.0	3.0<d≤3.5	3.5<d≤4.0	4.0<d≤4.5	4.5<d≤5.0	5.0<d≤5.5	5.5<d≤6.0	6.0<d≤6.5	6.5<d≤7.0
Flute Length 刃长L1	20	22	25	28	30	33	35	40	43	46
Shank Dia 柄径D	3	3	4	4	5	5	6	6	8	8
Total Length 总长L	50	50	55	55	60	65	70	75	80	85

Serial No.GX10027.....	070	080	090	100	110	120	140	160	180
Diameter 刃径d	7.0<d≤8.0	8.0<d≤9.0	9.0<d≤10	10<d≤11	11<d≤12	12<d≤14	14<d≤16	16<d≤18	18<d≤20
Flute Length 刃长L1	50	53	55	65	65	70	75	80	90
Shank Dia 柄径D	8	10	10	12	12	14	16	18	20
Total Length 总长L	90	95	100	115	115	120	130	140	150

**Solid Carbide/HSSE Drill For Aluminum 整体硬质合金/高速钢铝用钻**

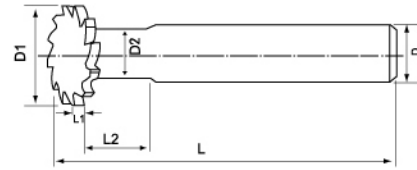


Serial No.GX10028.....	30	40	50	60	70	80	90	100	110	120	130	150	200
Diameter 刃径d	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ7.0	Φ8.0	Φ9.0	Φ10.0	Φ11.0	Φ12.0	Φ13.0	Φ15.0	Φ20.0
Flute Length 刃长L1	16	22	26	28	34	37	40	43	47	51	51	76	94
Shank Dia 柄径D	3	4	6	6	8	8	10	10	12	12	14	16	20
Total Length 总长L	50	50	70	70	80	80	90	95	100	110	110	140	160



**Solid Carbide T-Slot Cutter** 整体硬质合金T型槽铣刀

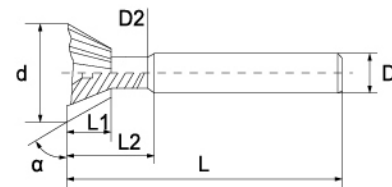
For Steel, Cast Iron 钢件, 铸铁



Serial No.GX10029.....	160-1	160-2	160-3	200-1	200-2	200-3	200-4	250-1	250-2	250-3	250-4	300-1	300-2	300-3
Diameter 刃径D1	Φ16.0	Φ16.0	Φ16.0	Φ20.0	Φ20.0	Φ20.0	Φ20.0	Φ25.0	Φ25.0	Φ25.0	Φ25.0	Φ30.0	Φ30.0	Φ30.0
Flute Length 刃长L1	1.0	2.0	2.5	0.5	1.5	2.0	3.0	1.0	2.5	3.0	5.0	1.0	3.0	4.0
Neck Dia 颈径D2	8.0	8.0	8.0	10.0	10.0	10.0	10.0	12.0	12.0	12.0	12.0	15.0	15.0	15.0
Neck Length 颈长L2	10.0	10.0	10.0	14.0	14.0	14.0	14.0	16.0	16.0	16.0	16.0	18.0	18.0	18.0
Shank Dia 柄径D	12	12	12	12	12	12	12	16	16	16	16	16	16	16
Total Length 总长L	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Flutes 刃数	10	10	10	12	12	12	12	16	16	16	16	16	16	16

**Solid Carbide Dovetail Cutter** 整体硬质合金燕尾刀

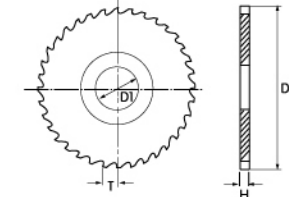
For Steel, Cast Iron 钢件, 铸铁



Serial No.GX10030.....	30	40	50	60	80	100	120
Diameter 刃径d	Φ3	Φ4	Φ5	Φ6	Φ8	Φ10	Φ12
α 角度°	45°	45°	45°	45°	45°	45°	45°
Flute Length 刃长L1	0.8	1.0	1.2	1.4	1.9	2.4	2.9
Neck Dia 颈径D2	1.4	2.0	2.5	3.0	4.0	5.0	6.0
Neck Length 颈长L2	3.0	3.5	4.0	4.0	5.0	6.0	7.0
Shank Dia 柄径D	6	6	6	6	8	10	12
Total Length 总长L	60	60	60	60	60	75	75
Flutes 刃数	4	4	4	4	6	6	6

Serial No.GX10030.....	30	40	50	60	80	100	120
Diameter 刃径d	Φ3	Φ4	Φ5	Φ6	Φ8	Φ10	Φ12
α 角度°	60°	60°	60°	60°	60°	60°	60°
Flute Length 刃长L1	1.2	1.6	2.2	2.7	3.7	4.6	5.6
Neck Dia 颈径D2	1.5	2.0	2.3	2.7	3.6	4.5	5.4
Neck Length 颈长L2	3.0	3.5	4.0	4.0	5.0	6.0	7.0
Shank Dia 柄径D	6	6	6	6	8	10	12
Total Length 总长L	60	60	60	60	60	75	75
Flutes 刃数	4	4	4	4	6	6	6

**Solid Carbide Saw Blade** 整体硬质合金锯片



Serial No.GX10031.....	OD外径	Diameter 内径	Teeth 齿数	Thickness 厚度													
008	8	3, 4	4~20	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
010	10	4, 5	6~24	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
012	12	4, 5, 6	6~30	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
016	16	5, 6, 8	6~40	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
020	20	5, 6, 8	6~45	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
022	22	5, 6, 8	8~50	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
025	25	6, 8, 10	10~56	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
030	30	6, 8, 10	10~60	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
032	32	6, 8, 10, 12.7	10~60	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
035	35	8, 10, 12.7	10~60	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
040	40	8, 10, 12.7	10~80	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
045	45	10, 12.7, 16	10~80	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
050	50	10, 12.7, 16	10~100	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
055	55	12.7, 16	24~120	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
060	60	12.7, 13, 16	24~120	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
063	63	12.7, 13, 16	24~120	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
070	70	16, 22, 25.4	28~120	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
075	75	16, 22, 25.4	30~120	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
080	80	22, 25.4	30~128	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
085	85	22, 25.4	30~128	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
090	90	22, 25.4	30~160	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
095	95	22, 25.4	30~160	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
100	100	22, 25.4, 27	30~160	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
105	105	22, 25.4, 27	30~160	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
110	110	22, 25.4, 27, 32	30~180	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
115	115	22, 25.4, 27, 32	30~180	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
120	120	22, 25.4, 27, 32	30~240	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
125	125	22, 25.4, 27	30~240	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
130	130	22, 25.4, 27, 32	30~240	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
150	150	22, 25.4, 27, 32	40~240	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
160	160	22, 25.4, 27, 32	40~240	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
180	180	25.4, 27, 32, 40	60~280	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						
200	200	25.4, 27, 32, 40	60~280	0.2~1.0	1.1~1.5	1.6~2.0	2.1~2.5	2.6~3.0	3.1~4.0	4.1~5.0	5.1~6.0						



**Solid Carbide Boring Mini-Bar 硬质合金小孔径镗刀**



Serial No.GX10031.....	20	30	40	50	60	80	100	120
Diameter 刃径D1	Φ2.0	Φ3.0	Φ4.0	Φ5.0	Φ6.0	Φ8.0	Φ10.0	Φ12.0
Flute Length 刃长L1	10	15	15	25	30	35	40	40
Shank Dia 柄径D	2	3	4	5	6	8	10	12
Total Length 总长L	35	40	50	50	60	70	70	80

**Micro Grain Carbide Rod Material 极细微粒碳化钨棒料**



Type 型号	Tolerance of Diameter 外径公差(mm)	Tolerance of Length 长度公差(mm)
Φ1.0 x 330	+0.15/+0.30	-0/+5.0
Φ2.0 x 330	+0.15/+0.30	-0/+5.0
Φ3.0 x 330	+0.15/+0.30	-0/+5.0
Φ4.0 x 330	+0.30/+0.50	-0/+5.0
Φ5.0 x 330	+0.30/+0.50	-0/+5.0
Φ6.0 x 330	+0.30/+0.50	-0/+5.0
Φ7.0 x 330	+0.30/+0.60	-0/+5.0
Φ8.0 x 330	+0.30/+0.60	-0/+5.0
Φ9.0 x 330	+0.30/+0.60	-0/+5.0
Φ10.0 x 330	+0.30/+0.60	-0/+5.0
Φ11.0 x 330	+0.30/+0.60	-0/+5.0
Φ12.0 x 330	+0.30/+0.60	-0/+5.0
Φ13.0 x 330	+0.30/+0.70	-0/+5.0
Φ14.0 x 330	+0.30/+0.70	-0/+5.0
Φ15.0 x 330	+0.30/+0.70	-0/+5.0
Φ16.0 x 330	+0.30/+0.70	-0/+5.0
Φ17.0 x 330	+0.30/+0.80	-0/+5.0
Φ18.0 x 330	+0.30/+0.80	-0/+5.0
Φ19.0 x 330	+0.30/+0.80	-0/+5.0
Φ20.0 x 330	+0.30/+0.80	-0/+5.0
Φ21.0 x 330	+0.30/+0.80	-0/+5.0
Φ22.0 x 330	+0.30/+0.80	-0/+5.0
Φ23.0 x 330	+0.30/+0.80	-0/+5.0
Φ24.0 x 330	+0.30/+0.80	-0/+5.0
Φ25.0 x 330	+0.30/+0.80	-0/+5.0
Φ26.0 x 330	+0.30/+0.80	-0/+5.0
Φ27.0 x 330	+0.30/+0.80	-0/+5.0
Φ28.0 x 330	+0.30/+0.80	-0/+5.0
Φ29.0 x 330	+0.30/+0.80	-0/+5.0
Φ30.0 x 330	+0.30/+0.80	-0/+5.0

**Non-standard Tools 非标刀具外形图**

<p>Carbide three-blade anisotropic combination tool 硬质合金三刃异性组合刀</p>	<p>Machining 加工效果图</p>	<p>Carbide two-blade combination multi-purpose one-piece tool 硬质合金两刃组合多用一体刀</p>	<p>Machining 加工效果图</p>
<p>Carbide single-blade combination tool 硬质合金单刃组合一体刀</p>	<p>Machining 加工效果图</p>	<p>Three blade carbide composition tool 硬质合金三刃组合刀</p>	<p>Machining 加工效果图</p>
<p>Carbide single-edged combination tool 硬质合金单刃组合刀</p>	<p>Machining 加工效果图</p>	<p>Carbide-coated four-blade inverted cone milling tool 硬质合金涂层四刃倒锥铣刀</p>	<p>Machining 加工效果图</p>
<p>Carbide-coated chamfering tool 硬质合金涂层倒角成型铣刀</p>	<p>Machining 加工效果图</p>	<p>Carbide four-blade staggered milling tool 硬质合金四刃错刃成型铣刀</p>	<p>Machining 加工效果图</p>

**Inserts 刀片**

