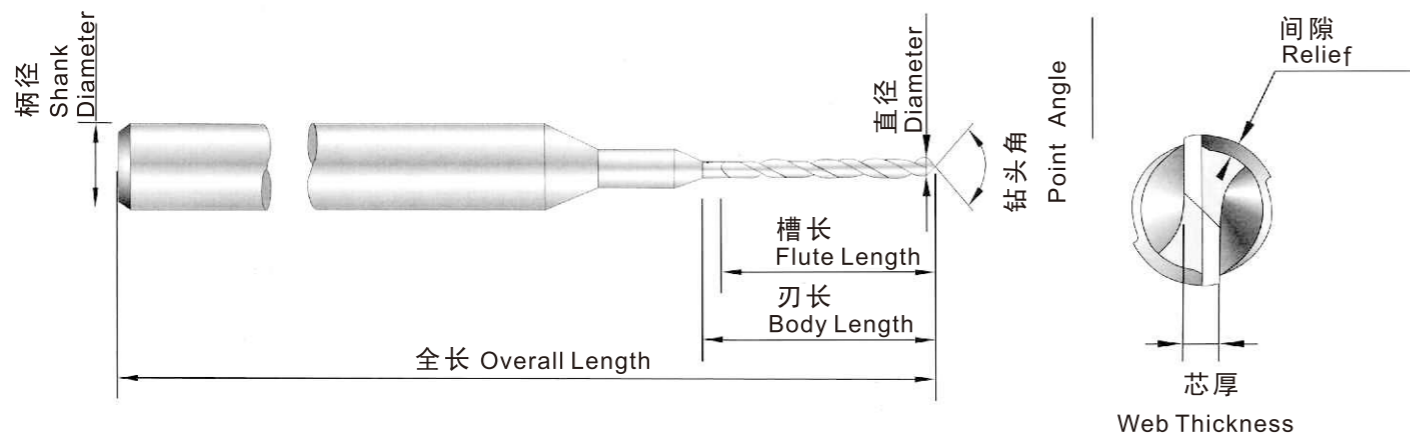


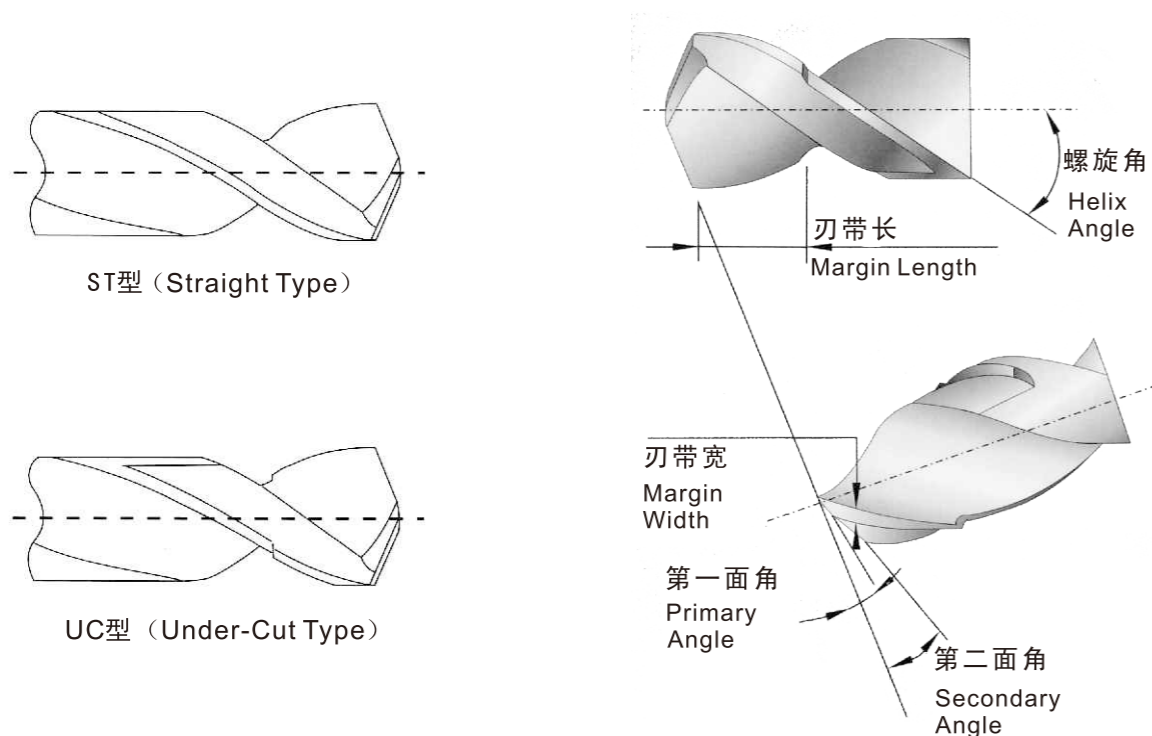
钻头结构图

DRILL GEOMETRY ATTRIBUTE DIAGRAM



类型 | Drill Shape Type

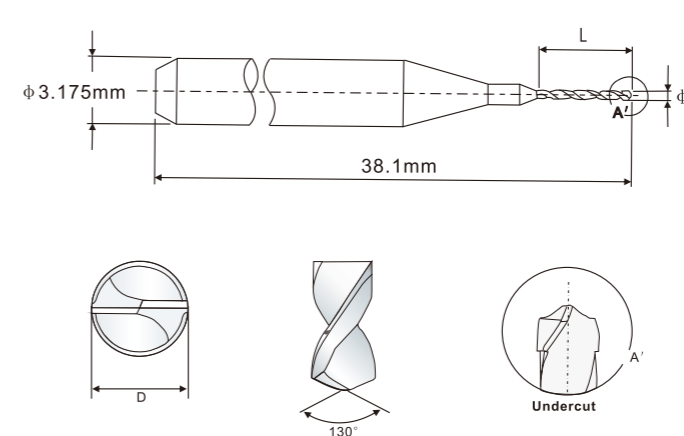
UC型钻头(UCTYPE)



UC型钻头

UC SERIES DRILL

◆ UCH系列



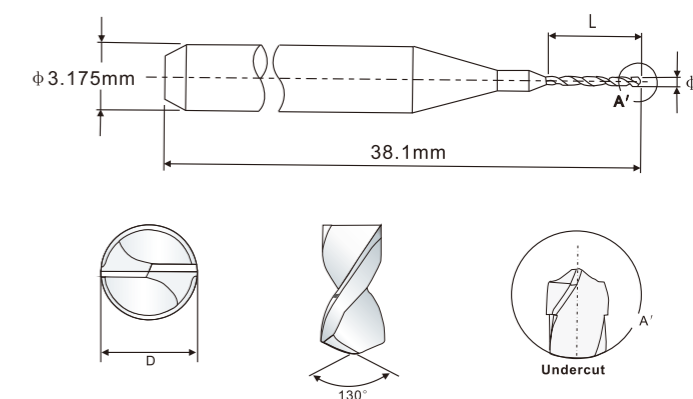
D [mm]	L [mm]	L [mm]
0.10	1.20	
0.15	2.00	
0.20	3.50	4.00
0.25	4.50	5.00
0.30	5.50	6.20
0.35	5.50	6.50
0.40	7.00	7.50
0.45	7.00	7.50

◎适用于一般板材加工，尤其适合高Tg环保板等硬度较高板材钻孔

It can be used for the drilling of regular boards, especially for those hi-tg board, environment protection board as well as some high-hardness board.

◆ UCT系列

D [mm]	L [mm]	L [mm]
0.10	1.20	
0.15	2.00	
0.20	3.50	4.00
0.25	4.50	5.00
0.30	5.50	6.20
0.35	5.50	6.50
0.40	7.00	7.50
0.45	7.00	7.50



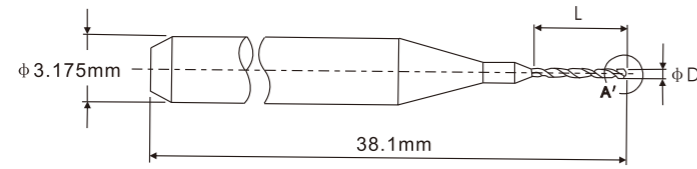
◎排屑槽宽、排屑性好，能保证良好的孔壁品质，陶瓷板材及其它多层板专用

Wide chip removal slot, good removability which can make sure great hole wall quality, it can be used for ceramic boards & some other multilayer boards.

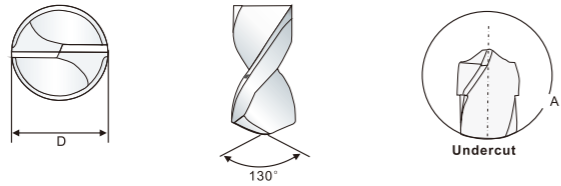
UC型钻头

UC SERIES DRILL

◆ UCW系列



D [mm]	L [mm]	L [mm]
0.10	1.20	
0.15	2.00	
0.20	3.50	4.00
0.25	4.50	5.00
0.30	5.50	6.00
0.35	5.50	6.50
0.40	7.00	7.00
0.45	7.00	7.00

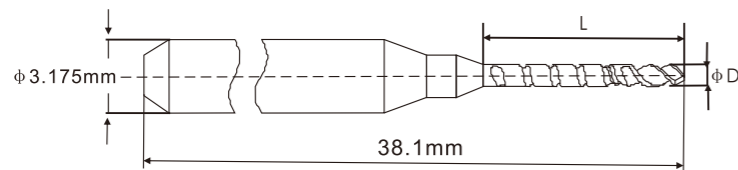


◎能减少轴向切削抗力，下钻定心好，能保证良好的孔位精度，适用于无卤素板材

It Can Reduce The Resistance Of Cutting In Axle Direction, Stable Drilling Which Can Guarantee Good Hole Position Accuracy & Hole Wall Quality , It Is Suitable For Halo Gen- Free Boards.

◆ UCK系列

单刃钻
Single edge drill bit



D [mm]	L [mm]	L [mm]
0.10	1.20	
0.15	2.00	
0.20	3.50	4.00
0.25	4.50	5.00
0.30	5.50	6.20
0.35	5.50	6.50
0.40	7.00	7.50
0.45	7.00	7.50

◎能保证良好的孔位精度，适用于无卤素板、高TG等高填充板材

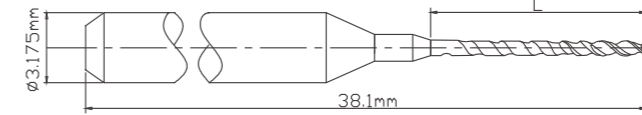
Stable drilling which can guarantee good hole position accuracy & hole wall quality , it is suitable for halo gen-free boards 、 high -tg highly filling board

UC型钻头

UC SERIES DRILL

◆ UCN系列

单槽钻
Single flute drill bit



D [mm]	L [mm]	L [mm]
0.10	1.20	
0.15	2.00	
0.20	3.50	4.00
0.25	4.50	5.00
0.30	5.50	6.20
0.35	5.50	6.50
0.40	7.00	7.50
0.45	7.00	7.50

◎能保证良好的孔位精度，适用于无卤素板、高TG等高填充板材

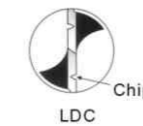
Stable drilling which can guarantee good hole position accuracy & hole wall quality , it is suitable for halo gen-free boards 、 high -tg highly filling board

LDC型钻头

LDC SERIES DRILL

D [mm]	L [mm]	L [mm]
3.20-4.0	12.00	13.00
4.05-4.85	12.00	13.00

D [mm]	L [mm]	L [mm]
4.90-5.70	12.00	13.00
5.75-6.50	12.00	13.00

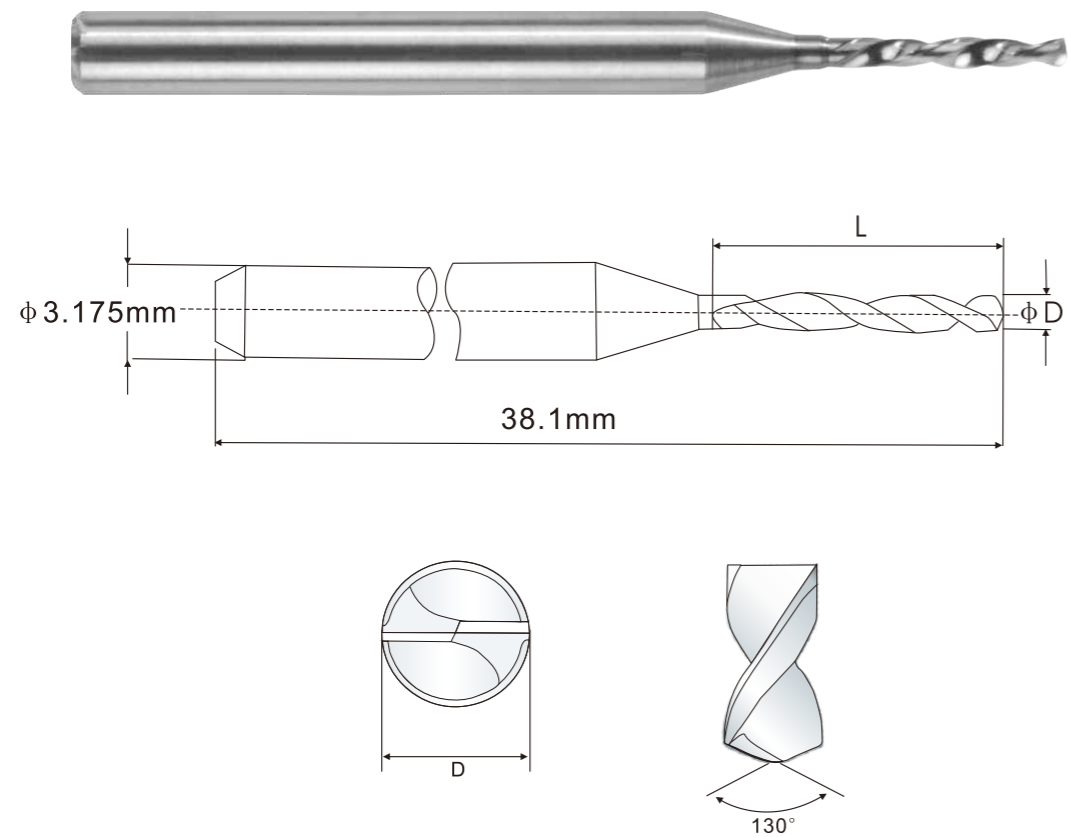


◎LDC series drill 重叠的主刀面设计以及带有分离柄的刃部，能够有效减少切削抗力有助于缓解大钻头在高速进给的加工条件下有效降低常见的沟尾缠丝的问题

LDC series drill overlapping main cutter surface combined with a blade separating notch which can reduce cutting resistance , help effectively relieve the twining problem occurred when drill revolves at high speed.

ST/FP型钻头

ST/FP SERIES DRILL



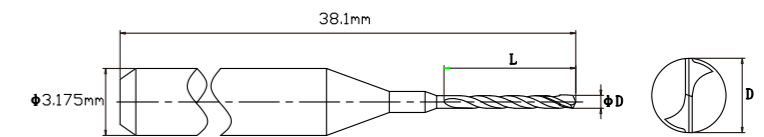
◎直线型ST系列高刚性钻头，能保证孔位精度可适用于PCB板的FR-4、环保板及FPC的各类普通板加工

Straight ST series high hardness drill can guarantee accuracy of hole position, it is suitable for the processing of FR-4 of PCB, environment protection board as well as all kinds of regular FPC boards.

D [mm]	L [mm]	L [mm]	D [mm]	L [mm]	L [mm]
0.10	1.20		0.70	8.00	10.50
0.20	3.50	4.00	0.75	8.00	10.50
0.25	4.50	5.00	0.80	8.00	10.50
0.30	5.50	6.00	0.85	8.00	10.50
0.35	6.50	7.00	0.90	8.00	10.50
0.40	7.00	7.50	0.95	8.00	10.50
0.45	7.00	7.50	1.00-1.20	10.00	10.50
0.50	7.00	8.50	1.25-1.40	10.00	12.00
0.55	7.00	8.50	1.45-1.60	10.00	12.00
0.60	8.00	8.50	1.65-3.17	10.00	12.00
0.65	8.00	9.50			

UC/STJ背钻钻头

Back drill



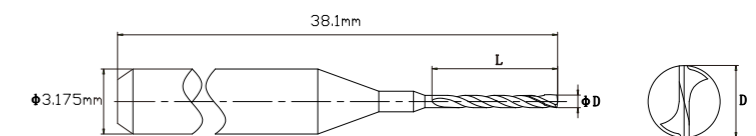
解决背钻孔塞、铜屑残留性能优。

Excellent performance in solving back drilling plugs and copper scraps.

D [mm]	L [mm]	L [mm]
0.25	4.0	
0.275	4.0	
0.3	2.5	4.0
0.325	4.0	5.0
0.35	2.5	5.0
0.375	3.5	5.0
0.4	4.5	
0.45	4.5	5.0
0.5	5.0	
0.55	4.0	
0.6	5.0	5.5
0.65-0.9	5.0	

USC汽车板钻头

Drill bit for automobile PCB



解决中钻高孔粗要求性能优。

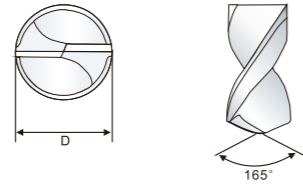
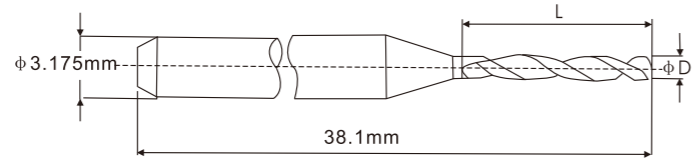
Excellent performance in solving hole roughness of middle size drills.

D [mm]	L [mm]
0.3-0.4	3.0
0.6-2.0	7.0
2.05-3.15	10

SC型钻头

SC SERIES DRILL

D [mm]	L [mm]	L [mm]
1.00	7.0	
1.05	7.0	
1.10	7.0	
1.15	7.0	
1.20	7.0	
1.25	7.0	
1.30	7.0	
1.35	7.0	8.5
1.40	7.0	8.5
1.45	7.0	8.5
1.50	7.0	8.5
1.55	7.0	8.5
1.60	7.0	8.5
1.65	7.0	8.5
1.70	7.0	8.5
1.75	7.0	8.5
1.80	7.0	8.5
1.85	7.0	8.5
1.90	7.0	8.5
1.95	7.0	8.5
2.00	7.0	8.5



◎合理的切削参数及高刚性设计，具有良好的排屑性能，适合金属基板加工

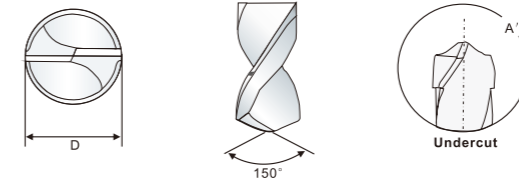
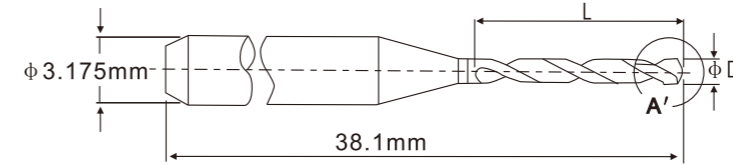
Reasonable cutting parameter and high hardness design make good chip removal performance, it is suitable for the processing of metal substrate boards



UCSD型钻头

UCSD SERIES DRILL

◆ UCSD



D [mm]	L [mm]	L [mm]
0.40-0.45	4.70	5.50
0.50-0.55	4.70	5.50
0.60-0.65	6.70	8.70
0.70-0.75	7.00	8.70
0.80-0.85	7.00	8.70
0.90-0.95	7.00	8.70
1.00-1.05	7.00	8.70
1.10-1.15	7.00	8.70

◎该槽钻的设计方式，能够有效的改善短槽的槽孔不良问题

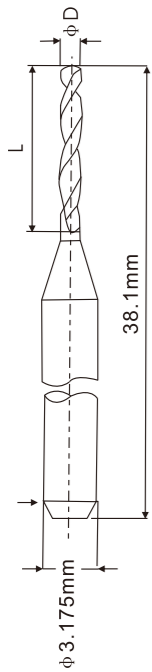
Scrics drill with undercut type and higher rigidity design can improve the abnormal shape problem of ultra short slot.



SD型钻头

SD SERIES DRILL

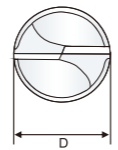
◆ SD



D [mm]	L [mm]	L [mm]	D [mm]	L [mm]	L [mm]
0.50	4.50	5.50	1.05	8.50	
0.55	4.50	5.50	1.10	8.50	
0.60	4.50	6.50	1.15	8.50	
0.65	4.50	6.50	1.20	8.50	
0.70	8.50		1.25	8.50	
0.75	8.50		1.30	8.50	
0.80	8.50		1.35	8.50	
0.85	8.50		1.40	8.50	
0.90	8.50		1.45	8.50	
0.95	8.50		1.50	8.50	
1.00	8.50		1.50-1.95	8.50	

◎槽钻：高刚性设计、适用于钻孔开槽

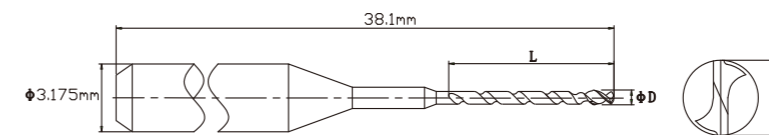
Slot drill: High-Hardness design which is suitable for drilling notch



UDN型钻头

Single flute type slot drill

◆ 单槽槽刀



高刚性，适用于短槽加工质量的提升。

High rigidity, improved short slot processing quality.

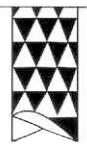
D [mm]	L [mm]	L [mm]
0.35	5.5	
0.4	5.5	
0.5	5.5	
0.55	5.5	
0.6	5.5	6.7
0.65	5.5	
0.7	5.5	6.7
0.75	5.5	



◆ 刀尖分类 | End Type



◎平底型：刀刃没有后刃它用于不钻孔的外围锣刀
Flat bottom type: no rear blade which is suitable for periphery routers that not used for drilling.



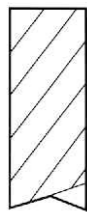
◎鱼尾型：刀刃形状最标准，也称之为标准型锣刀，它用于钻孔型的锣刀
Fishtale type: the most standard blade tip, it is also known as standard routers, which is suitable for drilling routers.



◎钻尖型：刀刃可以防止在钻孔时出现的切割的阻力，因此它适用于需要频繁下刀的锣刀
Drilling tip type: it can prevent the resistance brought by drilling, so it is suitable for the routers that needs drilling.

试样及下单无特别说明供货为鱼尾型，若需平底型、钻尖型，下订单时请标明
Sample order or the official order will be fishtale type if there is no special instruction, please remark when placing order if you need flat bottom type, drilling tip type.

◆ 排屑分类 | Draft Type



右旋

◎Ru型：在右边的切割凹槽上粉屑被上释放也称之为上排屑型，它适合于配备真空设备的NC型成型机器。

Ru type: It is suitable for NC shaping machines which is used for vacuum devices equipment since the powder in the right cutting notch will be discharged upwards



左旋

◎Rd型：在左边的切割凹槽上粉屑被上释放也称之为下排屑型，它适合于手动成型机器。

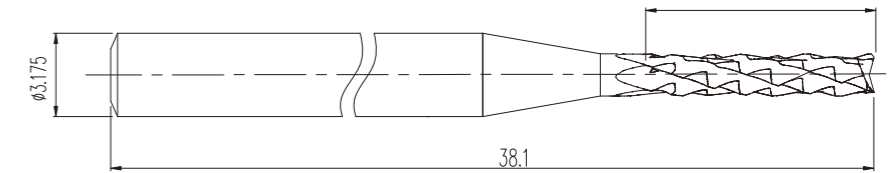
Rd type: It is suitable for manual shaping machines since in the left cutting notch will be discharged downwards

试样及下单无特别说明供货为右旋，若需左旋。下订单时请标明
Sample order or official order will be "revolving in right" type, if you need "revolving in left" type, please specially point out.



◎尺寸精度高，排屑性能优良，切屑锋利，使用寿命长，适合各种板材，尤其适合高TG、环保板等硬度较高板材的加工

Measurements in high accuracy, good capability of chip removal, sharp in cutting chips and long life-span, it is suitable for all boards, especially for the processing of those high-tg board, environment protection boards that having high-hardness



D [mm]	L [mm]	L [mm]
0.50	3.50	4.50
0.60	4.00	4.50
0.70	4.00	5.00
0.80	5.00	6.50
0.90	5.00	6.50
1.00	7.00	7.50
1.10	7.00	7.50
1.20	7.00	9.00

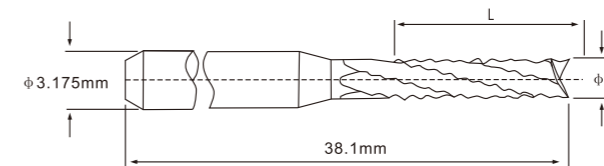
D [mm]	L [mm]	L [mm]
1.30	7.00	9.00
1.40	7.00	9.00
1.50	8.00	12.00
1.60	8.00	11.00
1.70	8.00	11.00
1.80	8.00	12.00
1.90	8.00	12.00
2.00	8.00	12.00

D [mm]	L [mm]	L [mm]
2.10	10.00	12.00
2.20	10.00	12.00
2.30	10.00	12.00
2.40	10.00	12.00
2.50	10.00	12.00
2.60	10.00	12.00
2.70	10.00	12.00
2.70-3.175	10.00	12.00



◎锣刀CBF系列产品拥有良好的排屑能力，能够确保良好的板边品质，适用于精加工

CBF series router with better chip removal property insures a fine, sharp edge for milling surface.



D [mm]	L [mm]	D [mm]	L [mm]
0.60	4.0	1.50-1.90	8.00
0.70	4.0	2.00	10.0
0.80	4.4	2.10-2.30	10.0
0.90	5.0	2.40	10.0
1.00	6.0	2.50-2.90	10.0
1.10-1.40	6.0	3.00-3.175	12.0

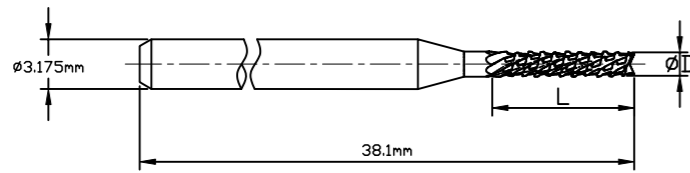
※ 仅提供公制单位之产品订制
※ For metric size only

RHF 锣刀

RHF ROUTER

◎切削锋利，使用寿命长；排尘性能好，尺寸精度高；适合各种板材，尤其适合高Tg、环保板等硬度较好板材的加工。

Designed for long machining life, good debris evacuation capability and excellent dimension accuracy, suitable for various printed circuit boards, especially for high Tg or environment protection boards.



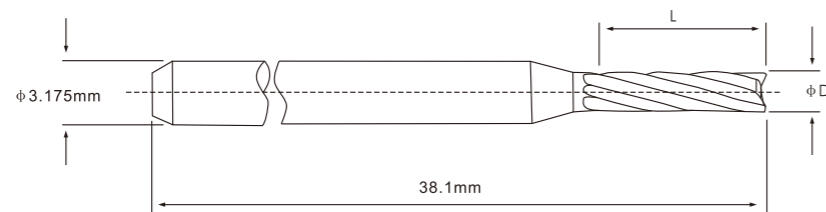
D [mm]	L [mm]	L [mm]
0.50	3.50	4.50
0.60	4.00	4.50
0.70	4.00	5.00
0.80	5.00	6.50
0.90	5.00	6.50
1.00	7.00	7.50
1.10	7.00	7.50
1.20	7.00	9.00

D [mm]	L [mm]	L [mm]
1.30	7.00	9.00
1.40	7.00	9.00
1.50	8.00	12.00
1.60	8.00	11.00
1.70	8.00	11.00
1.80	8.00	12.00
1.90	8.00	12.00
2.00	8.00	12.00

D [mm]	L [mm]	L [mm]
2.10	10.00	12.00
2.20	10.00	12.00
2.30	10.00	12.00
2.40	10.00	12.00
2.50	10.00	12.00
2.60	10.00	12.00
2.70	10.00	12.00
2.70-3.175	10.00	12.00

ET型锣刀

ET SERIES DRILL



◎锣刀ET系列产品使用高硬度材料，提供完美板边品质及良好的尺寸精度，特别适用于铣槽及个边加工

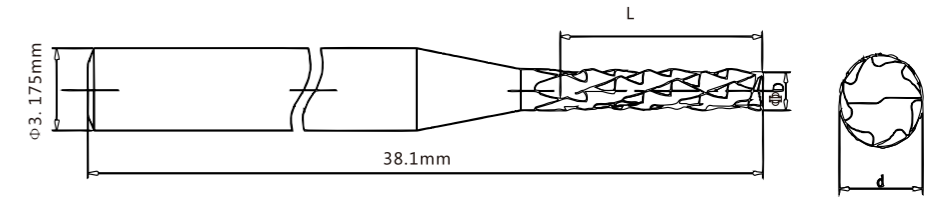
ET series router is made by hard material to get excellent surface finish and better dimension stability, ET is especially used for edge trimming on pre-routed slots.

D [mm]	L [mm]	D [mm]	L [mm]
0.70	4.0	2.00	10.0
0.80	4.5	2.10-2.30	10.0
0.90	5.0	2.40	10.0
1.00-1.40	6.0	2.50-2.90	10.0
1.50-1.90	8.0	3.00-3.175	12.0

※仅提供公制单位之产品订制
※For metric size only

LUF 反转铣刀

Reverse Router Bit



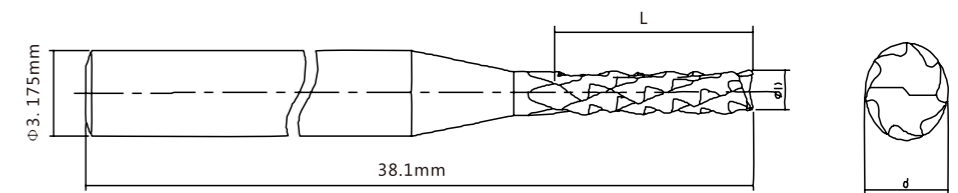
适用于半圆孔加工，解决正转铣刀加工易产生铜皮卷起。

Reverse router bit, suitable for semi-circular hole processing, and solves the problem that the copper skin is easily rolled up.

D [mm]	L [mm]	L [mm]
0.5-0.7	3.0	4.0
0.8-1.0	5.0	8.0
1.1-1.6	7.0	8.5
1.7-1.9	8.0	9.0
2.0-2.4	10.5	12.0

LCF 下排屑

Downward Router Bit



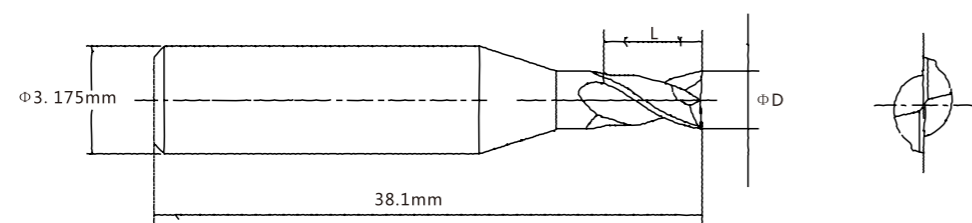
下排屑，表面毛刺小。适用于SMT分板机等加工

Downward router bit, less upper surface burrs and suitable for SMT sub-board machine processing.

D [mm]	L [mm]	L [mm]
0.5-0.7	3.0	4.0
0.8-1.0	5.0	8.0
1.1-1.6	7.0	8.5
1.7-1.9	8.0	9.0
2.0-2.4	10.5	12.0

ZSP专用刀具

Special Cutter



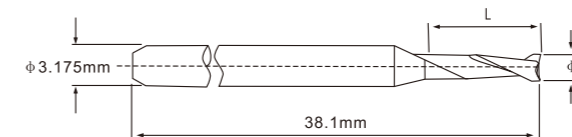
双刃平底铣刀，适用于金属基板平底盲槽加工。

Flat type endmill, suitable for flat-bottom blind grooves of metal substrates.

D [mm]	L [mm]	L [mm]
0.3-0.9	2	6
1.0-1.3	3	7
1.4-2.3	4	8.5
2.4-4.2	5	10

RFF双刃锣刀

SPIRAL ENDMILL



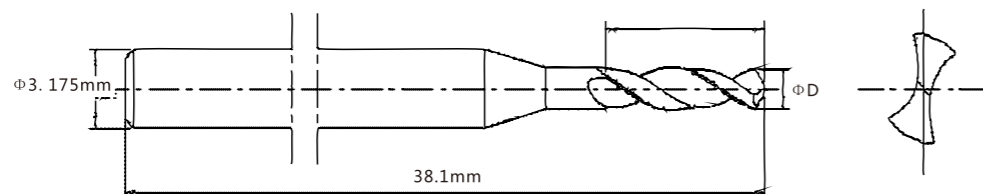
◎双刃锣刀排屑良好，产品适用于印刷电路板特厚铜箔及铝基板铣屑，能够获得完美板边及表面成型品质

Double blades milling cutter is good at chipping removal, which is suitable for PCB thickest copper foil and aluminium base board milling, it can get perfect board edge and surface molding

D [mm]	L [mm]	D [mm]	L [mm]
0.40	2.0	1.30	6.5
0.50	3.0	1.50	6.5
0.60	3.5	1.60	6.5
0.70	4.0	1.80	6.5
0.80	4.5	2.00	8.0
1.00	6.0	2.40	8.0
1.20	6.5	3.00	9.5

LZZ专用刀具

Special Cutter



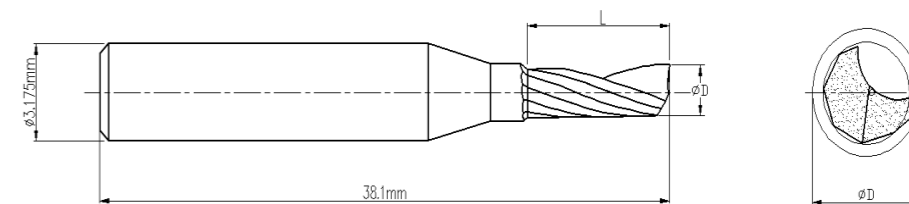
双刃钻尖、鱼尾铣刀，适用于铝、铜等金属基板加工。

Drill type/Fish-tail endmill, suitable for processing metal substrates, such as aluminum, copper.

D [mm]	L [mm]	L [mm]
0.6-0.8	3	5.5
0.9-1.8	5	8
1.9-2.4	5.5	11

LOP专用刀具

Special Cutter



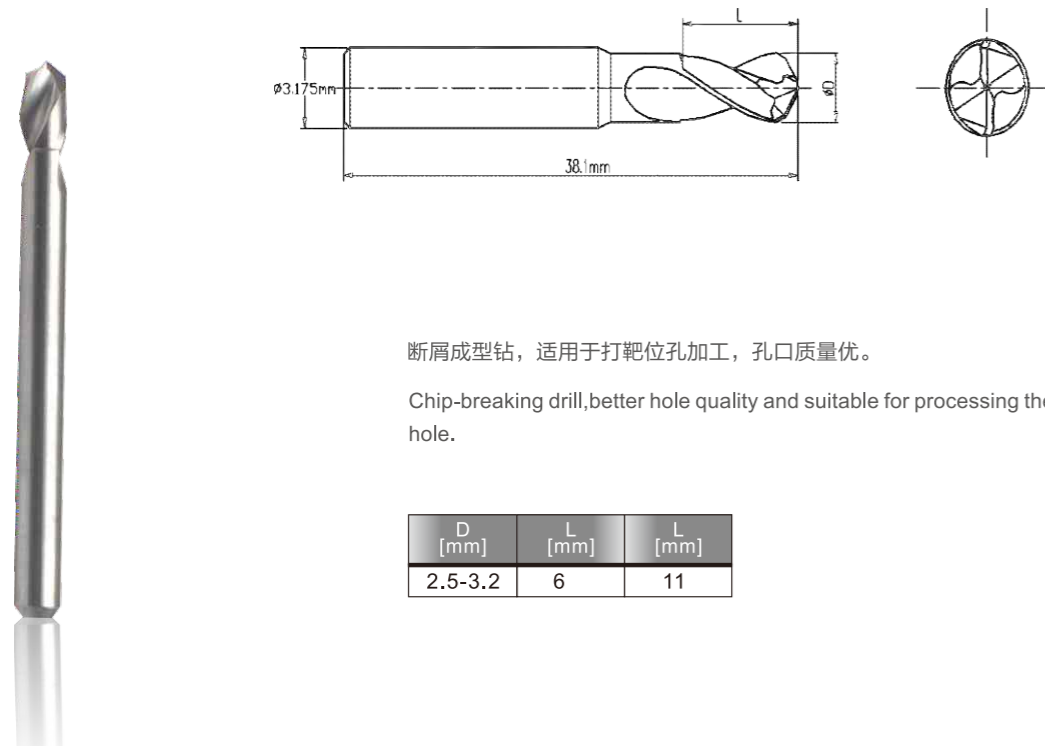
单刃铣刀，刀具锋利，适用于特氟龙、软板等对披锋要求高的场合。

Single spiral endmill, suitable for Teflon and FPC.

D [mm]	L [mm]	L [mm]
0.6-0.8	3.5	5
0.9-1.5	5	7
1.6-2.9	6	10.5
3-3.175	15	22

RDZ专用刀具

Special Cutter



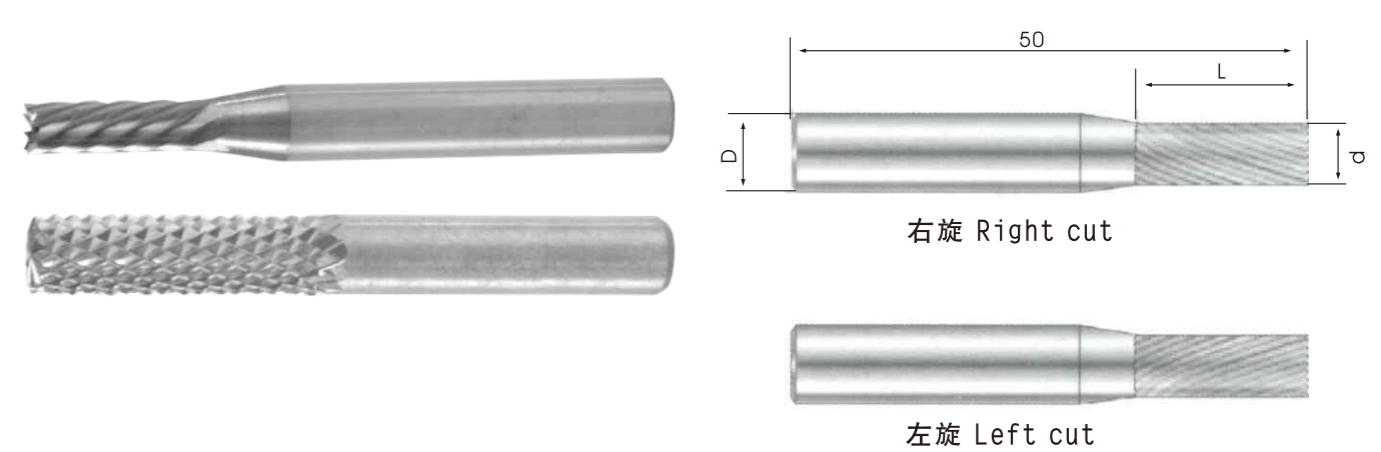
断屑成型钻, 适用于打靶位孔加工, 孔口质量优。

Chip-breaking drill, better hole quality and suitable for processing the target hole.

D [mm]	L [mm]	L [mm]
2.5-3.2	6	11

斜边刀

HYPOTENUSE TOOL



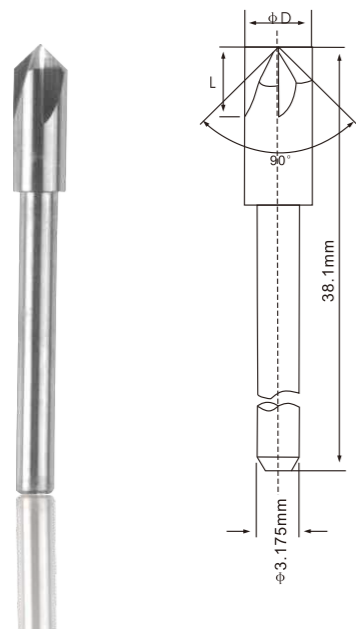
D [mm]	D [mm]	齿数	刃长 L [mm]
6.0	3.0	6	15
6.0	4.0	8	15
6.0	6.0	12	18
6.0	6.0	16	18
6.3	6.2	16	18

仅提供公制单位之产品订制
For metric size only

◎全自动金手指斜边机上专用铣刀
specially designed for using on terminal chaffering machines

倒角刀

CHAMFERING TOOL



◎倒角刀主要用于印刷电路板之内槽倒角加工或螺丝孔加工

Chamfering cutter is mainly used for PCB inner groove chamfer machining or screw hole machining.

D [mm]	L [mm]
2.00	5.0
5.00	7.0
6.00	7.0
6.50	7.0

※仅提供公制单位之产品订制
※不同的径或钻角可提供订制
※For metric size only
※Different diameters or point angles are available on request

雕刻刀

ENGRAVING TOOL



刃斜角 Taper Angle on Side
30°
60°
90°
120°

仅提供公制单位之产品订制
For metric size only

◎适合于V槽加工。
Specially used for V-groove routing

槽钻使用参数推荐表

SLOT DRILL CUTTING PARAMETERS

直径 Drill size	转速 Spindle speed	L<2d			L>2d		
		进给量 Chip Load	落速 Infeed Rate		进给量 Chip Load	落速 Infeed Rate	
mm	krpm	um/rev	m/min	ipm	um/rev	m/min	ipm
0.5	85	6.0	0.5	20	9.0	0.8	30
0.6	85	9.0	0.8	30	10.5	0.9	35
0.8	70	14.5	1.0	40	16.3	1.1	45
1.0	55	18.5	1.0	40	20.8	1.1	45
1.2	45	22.6	1.0	40	25.4	1.1	45
1.4	40	25.4	1.0	40	28.6	1.1	45
1.6	35	29.0	1.0	40	32.7	1.1	45
1.8	31	32.8	1.0	40	36.9	1.1	45
2.0	31	24.6	0.8	30	28.7	0.9	35

锣刀使用参数推荐表

ROUTERS CUTTING PARAMETERS

直径 Drill size	转速 Spindle speed	切削速 Table speed		回刀速 Retract Rate	
		m/min	ipm	m/min	ipm
0.50	40	0.3	10	0.2	8
0.60	40	0.3	10	0.2	6
0.70	40	0.3	10	0.2	6
0.80	35	0.4	16	0.2	8
0.90	35	0.4	16	0.2	8
1.00	35	0.4	16	0.2	8
1.10	30	0.4	16	0.2	8
1.20	30	0.4	16	0.2	8
1.30	30	0.4	16	0.2	8
1.40	30	0.6	24	0.2	8
1.50	30	0.6	24	0.2	9
1.60	30	0.6	24	0.2	9
1.70	30	0.6	24	0.2	9
1.80	32	0.8	32	0.2	9
1.90	32	0.8	32	0.2	9
2.00	32	0.8	32	0.2	9
2.10	28	0.9	34	0.2	9
2.20	28	0.9	34	0.2	9
2.30	28	0.9	34	0.2	9
2.40	24	0.9	36	0.2	9
2.50	23	0.9	36	0.2	9
2.60	22	0.7	28	0.2	9
2.70	22	0.7	28	0.2	9
2.80	21	0.7	28	0.2	9
2.90	21	0.7	28	0.2	9
3.00	20	0.7	28	0.2	9
3.175	20	0.7	28	0.2	9

钻头使用参数推荐表-I

DRILL BITS CUTTING PARAMETERS-I

(FOR 125K\160K\180K\200K DRILLING M/C)

直径 Drill size	转速 Spindle speed	Double Sides Board				Multilayer Sides Board			
		进给量 Chip Load		落速 Infeed Rate		进给量 Chip Load		落速 Infeed Rate	
mm	krpm	um/rev	mil/rev	m/min	ipm	um/rev	mil/rev	m/min	ipm
0.10	160	5	0.18	0.74	29	4	0.15	0.61	24
	200	5	0.19	0.97	38	4	0.15	0.76	30
0.15	160	7	0.27	1.09	43	6	0.23	0.94	37
	200	7	0.26	1.32	52	5	0.21	1.07	42
0.20	125	11	0.44	1.4	55	9	0.36	1.1	45
	160	10	0.41	1.7	65	8	0.34	1.4	55
	200	12	0.48	2.4	95	10	0.40	2.0	80
0.25	125	16	0.64	2.0	80	13	0.52	1.7	65
	155	15	0.58	2.3	90	12	0.48	1.9	75
	180	16	0.61	2.8	110	12	0.47	2.2	85
0.30	110	16	0.64	1.8	70	15	0.55	1.5	60
	145	17	0.66	2.4	95	14	0.55	2.0	80
	170	18	0.71	3.0	120	14	0.56	2.4	96
0.35	105	22	0.86	2.3	90	18	0.71	1.9	75
	140	20	0.79	2.8	110	16	0.68	2.4	95
	160	19	0.75	3.0	120	16	0.69	2.8	110
0.40	100	24	0.95	2.4	95	20	0.80	2.0	80
	130	21	0.85	2.8	110	18	0.73	2.4	95
	160	21	0.84	3.4	135	18	0.75	3.0	120
0.45	95	27	1.05	2.5	100	22	0.89	2.2	85
	125	22	0.88	2.8	110	19	0.76	2.4	95
	160	23	0.91	3.7	145	18	0.73	2.9	116
0.50	90	30	1.18	2.69	106	25	0.98	2.26	89
0.55	85	34	1.32	2.84	112	28	1.10	2.3	94
0.60	80	40	1.56	3.18	125	33	1.30	2.64	104
0.65	75	44	1.75	3.33	131	37	1.46	2.77	109
0.70	70	48	1.89	3.35	132	40	1.57	2.79	110
0.75	70	50	1.98	3.53	139	42	1.65	2.95	116
0.85	65	53	2.08	3.43	135	44	1.73	2.87	113
0.95	65	55	2.17	3.58	141	46	1.81	3.00	118
0.90	60	58	2.27	3.45	136	48	1.89	2.87	113
0.95	60	60	2.36	3.58	141	50	1.97	3.00	118
1.00	55	62	2.46	3.43	135	52	2.05	2.87	113
1.05	50	65	2.55	3.25	128	54	2.13	2.69	106
1.10	50	67	2.65	3.35	132	56	2.20	2.79	110
1.15	48	70	2.74	3.35	132	58	2.28	2.79	110
1.20	45	72	2.83	3.25	128	60	2.36	2.69	106
1.25	45	74	2.93	3.35	132	62	2.44	2.79	110
1.30	42	77	3.02	3.23	127	64	2.52	2.69	106
1.35	42	79	3.12	3.33	131	66	2.60	2.77	109
1.40	40	82	3.21	3.28	129	68	2.68	2.72	107
1.45	38	84	3.32	3.2	126	70	2.76	2.7	105
1.50	38	86	3.39	3.3	129	72	2.84	2.7	108
1.55	38	86	3.39	3.3	129	72	2.84	2.7	108
1.60	36	86	3.39	3.1	122	72	2.83	2.6	102
1.65	36	89	3.50	3.2	126	74	2.92	2.7	105

钻头使用参数推荐表-II

DRILL BITS CUTTING PARAMETERS-II

(FOR 125K\160K\180K\200K DRILLING M/C)

直径 Drill size	转速 Spindle speed	Double Sides Board				Multilayer Sides Board			
		进给量 Chip Load		转速 Infeed Rate		进给量 Chip Load		转速 Infeed Rate	
mm	krpm	um/rev	mil/rev	m/min	ipm	um/rev	mil/rev	m/min	ipm
1.70	35	89	3.49	3.1	122	74	2.91	2.6	102
1.75	35	90	3.54	3.1	124	75	2.94	2.6	103
1.80	33	90	3.55	3.0	117	75	2.94	2.5	97
1.85	33	89	3.48	2.9	115	74	2.91	2.4	96
1.90	32	89	3.50	2.8	112	74	2.91	2.4	93
1.95	32	87	3.41	2.8	109	72	2.84	2.3	91
2.00	30	89	3.50	2.7	105	72	3.33	2.5	100
2.05	30	76	3.00	2.3	90	70	2.83	2.2	85
2.10	28	82	3.21	2.3	90	70	2.68	1.9	75
2.15	28	82	3.21	2.3	90	68	2.50	1.8	70
2.20	26	82	3.23	2.1	84	68	2.69	1.8	70
2.25	26	78	3.08	2.0	80	66	2.62	1.7	68
2.30	24	79	3.13	1.9	75	66	2.58	1.6	62
2.35	24	77	3.04	1.9	73	64	2.50	1.5	60
2.40	24	77	3.04	1.9	73	64	2.50	1.5	60
2.45	24	74	2.92	1.8	70	62	2.46	1.5	59
2.50	22	75	2.95	1.7	65	62	2.50	1.4	55
2.55	22	75	2.95	1.7	65	60	2.50	1.4	55
2.60	22	75	2.95	1.7	65	60	2.50	1.4	55
2.65	22	69	2.73	1.5	60	58	2.27	1.3	50
2.70	20	76	3.00	1.5	60	58	2.30	1.2	46
2.75	20	64	2.50	1.3	50	56	2.25	1.1	45
2.80	20	64	2.50	1.3	50	56	2.25	1.1	45
2.85	20	70	2.75	1.4	55	55	2.25	1.1	45
2.90	20	70	2.75	1.4	55	55	2.25	1.1	45
2.95	20	64	2.50	1.3	50	52	2.00	1.0	40
3.00	20	64	2.50	1.3	50	52	2.00	1.0	40
3.05-3.15	20	57	2.25	1.1	45	50	1.75	0.9	35
3.20-3.55	20	57	2.25	1.1	45	50	1.75	0.9	35
3.60-3.85	20	57	2.25	1.1	45	48	1.90	1.0	38
3.90-4.15	20	51	2.00	1.0	40	46	1.75	0.9	35
4.20-4.35	20	51	2.00	1.0	40	45	1.75	0.9	35
4.40-4.55	20	44	1.75	0.9	35	38	1.50	0.8	30
4.60-4.70	20	43	1.70	0.9	34	36	1.40	0.7	28
4.75-4.90	20	39	1.55	0.8	31	33	1.30	0.7	26
4.95-5.05	20	37	1.45	0.7	29	31	1.20	0.6	24
5.10-5.20	20	25	1.00	0.5	20	29	1.15	0.6	23
5.25-5.40	20	25	1.00	0.5	20	27	1.05	0.5	21
5.45-5.55	20	25	1.00	0.5	20	24	0.95	0.5	19
5.60-5.75	20	25	1.00	0.5	20	23	0.90	0.5	18
5.80-5.95	20	24	0.95	0.5	19	20	0.80	0.4	16
6.00-6.30	20	22	0.85	0.4	17	18	0.70	0.4	14
6.35-6.50	20	18	0.70	0.4	14	15	0.60	0.3	12

公英制转换表

CONVERSION TABLE

SIZE	INCH	SIZE	INCH	SIZE	INCH	SIZE	INCH	SIZE	INCH	SIZE	INCH	SIZE	INCH
0.05mm	0.0020"	58	0.0420"	2.80mm	0.1102"	13	0.1850"	0.50mm	0.0197"	47	0.0785"	3.80mm	0.1496"
0.10mm	0.0040"	57	0.0430"	34	0.1110"	4.70mm	0.1850"	76	0.0200"	2.00mm	0.0787"	3.85mm	0.1516"
0.13mm	0.0050"	1.10mm	0.0433"	2.85mm	0.1122"	4.75mm	0.1870"	75	0.0210"	2.05mm	0.0807"	24	0.1520"
0.15mm	0.0059"	1.15mm	0.0453"	33	0.1130"	3/16"	0.1875"	0.55mm	0.0217"	46	0.0810"	3.90mm	0.1535"
97	0.0059"	56	0.0465"	2.90mm	0.1142"	4.80mm	0.1890"	74	0.0225"	45	0.0820"	23	0.1540"
96	0.0063"	3/64"	0.0469"	32	0.1160"	12	0.1890"	0.60mm	0.0236"	2.10mm	0.0827"	3.95mm	0.1555"
95	0.0067"	1.20mm	0.0472"	2.95mm	0.1161"	4.85mm	0.1909"	73	0.0240"	2.15mm	0.0846"	5/32"	0.1562"
94	0.0071"	1.25mm	0.0492"	3.00mm	0.1181"	11	0.1910"	72	0.0250"	44	0.0860"	22	0.1570"
93	0.0075"	1.30mm	0.0512"	31	0.1200"	4.90mm	0.1929"	0.65mm	0.0256"	2.20mm	0.0866"	4.00mm	0.1575"
92	0.0079"	55	0.0520"	3.05mm	0.1201"	10	0.1935"	71	0.0260"	2.25mm	0.0886"	21	0.1590"
0.20mm	0.0079"	1.35mm	0.0531"	3.10mm	0.1220"	4.95mm	0.1949"	0.70mm	0.0276"	43	0.0890"	4.05mm	0.1594"
91	0.0083"	54	0.0550"	3.15mm	0.1240"	9	0.1960"	70	0.0280"	2.30mm	0.0906"	20	0.1610"
90	0.0087"	1.40mm	0.0551"	1/8"	0.1250"	5.00mm	0.1968"	69	0.0292"	2.35mm	0.0925"	4.10mm	0.1614"
89	0.0091"	1.45mm	0.0571"	3.20mm	0.1260"	5.05mm	0.1988"	0.75mm	0.0295"	42	0.0935"	4.15mm	0.1634"
88	0.0095"	1.50mm	0.0591"	3.25mm	0.1280"	8	0.1990"	68	0.0310"	3/32"	0.0938"	4.20mm	0.1654"
0.25mm	0.0098"	53	0.0595"	30	0.1285"	5.10mm	0.2008"	1/32"	0.0312"	2.40mm	0.0945"	19	0.1660"
87	0.0100"	1.55mm	0.0610"	3.30mm	0.1299"	7	0.2010"	0.80mm	0.0315"	41	0.0960"	4.25mm	0.1673"
86	0.0105"	1/16"	0.0625"	3.35mm	0.1319"	5.15mm	0.2028"	67	0.0320"	2.45mm	0.0965"	4.30mm	0.1693"
85	0.0110"	1.60mm	0.0630"	3.40mm	0.1339"	13/64"	0.2031"	66	0.0330"	40	0.0980"	18	0.1695"
84	0.0115"	52	0.0635"	3.45mm	0.1358"	6	0.2040"	0.85mm	0.0335"	2.50mm	0.0984"	4.35mm	0.1713"
0.30mm	0.0118"	1.65mm	0.0650"	29	0.1360"	5.20mm	0.2047"	65	0.0350"	39	0.0995"	11/64"	0.1719"
83	0.0120"	1.70mm	0.0669"	3.50mm	0.1378"	5	0.2055"	0.90mm	0.0354"	2.55mm	0.1004"	17	0.1730"
82	0.0125"	51	0.0670"	3.55mm	0.1398"	5.25mm	0.2067"	64	0.0360"	38	0.1015"	4.40mm	0.1732"
81	0.0130"	1.75mm	0.0689"	28	0.1405"	5.30mm	0.2087"	63	0.0370"	2.60mm	0.1024"	4.45mm	0.1752"
80	0.0135"	50	0.0700"	9/64"	0.1406"	4	0.2090"	0.95mm	0.0374"	37	0.1040"	16	0.1770"
0.35mm	0.0138"	1.80mm	0.0709"	3.60mm	0.1417"	5.35mm	0.2106"	62	0.0380"	2.65mm	0.1043"	4.50mm	0.1772"
79	0.0145"	1.85mm	0.0728"	3.65mm	0.1437"	5.40mm	0.2126"	61	0.0390"	2.70mm	0.1063"	4.55mm	0.1791"
1/64"	0.0156"	49	0.0730"	27	0.1440"	3	0.2130"	1.00mm	0.0394"	36	0.1065"	15	0.1800"
0.40mm	0.0157"	1.90mm	0.0748"	3.70mm	0.1457"	5.45mm	0.2146"	60	0.0400"	2.75mm	0.1083"	4.60mm	0.1811"
78	0.0160"	48	0.0760"	26	0.1470"	5.50mm	0.2165"	59	0.0410"	7/64"	0.1094"	14	0.1820"
0.45mm	0.0177"	1.95mm	0.0768"	3.75mm	0.1476"	5.55mm	0.2185"	1.05mm	0.0413"	35	0.1100"	4.65mm	0.1831"
77	0.0180"	5/64"	0.0781"	25	0.1495"	7/32"	0.2188"						