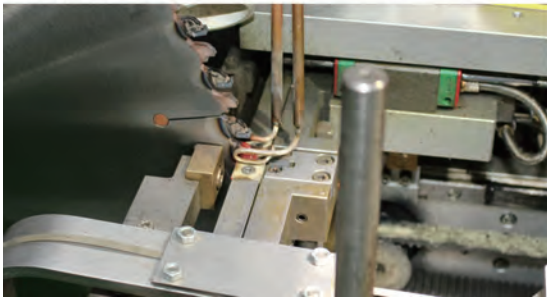


ZeiusaTM



ZEIUSA LLC +1 716-288-8317 www.zeiusa.com



The company operates modern office facilities and manufacturing plants, specializing in the production of PCD diamond saw blades, TCT saw blades, and other precision cutting tools. High-quality steel plates and premium PCD tips are carefully selected as raw materials, and advanced German VOLLMER high-precision grinding equipment is utilized to ensure superior product accuracy and consistency.

The cutting tools are widely used in industries such as electronics, building materials, woodworking, non-ferrous metals, architectural decoration, and composite materials processing. With reliable quality and competitive pricing, the products have earned strong recognition and positive feedback from both domestic and international customers. Driven by passion, innovation, and a global perspective, the team is committed to the philosophy of “Winning trust through quality and securing the future through service.” We look forward to building long-term partnerships and working together with industry partners to advance the development of superhard materials and cutting tool technologies.

Advantage of PCD Saw Blade

WEAR RESISTANCE AND LONG SERVICE LIFE:

The teeth of saw blade are made of Polycrystalline Diamond . Its hardness is 8000HV, which is 80 to 120 times that of the carbide blade tip.

HIGH-PRECISION GRINDING:

The diamond saw blades are manufactured through high-frequency welding and electro-discharge grinding processes. The radial runout is less than 0.03mm, and the surface roughness can reach $Ra \leq 0.1\mu m$.

ECONOMIC PERFORMANCE OPTIMIZATION

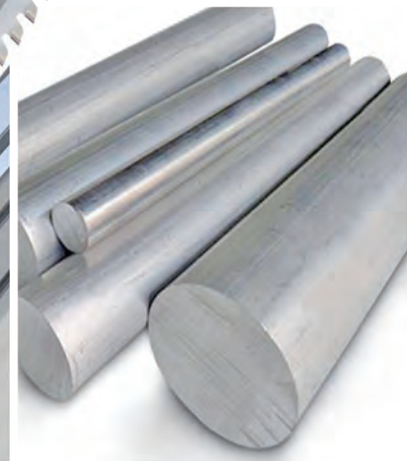
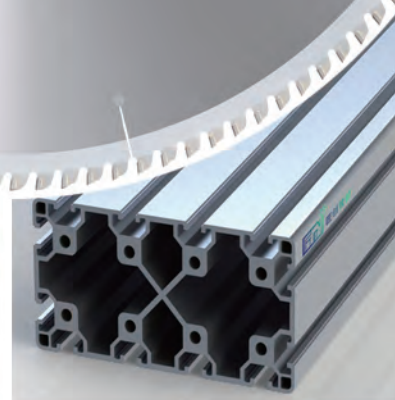
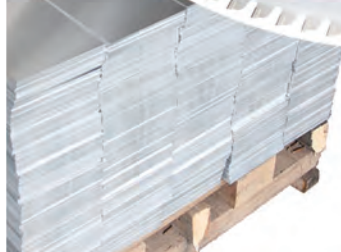
Despite the relatively high acquisition cost of a single saw blade, when comprehensively considering the replacement frequency and downtime losses, the annual maintenance cost can be significantly reduced by 40%.

EFFICIENT HEAT DISSIPATION AND ANTI-ADHESION:

The high thermal conductivity of diamond, combined with the special design of the cutter head, effectively reduces the cutting temperature. Surface coating technology reduces material adhesion and prevents tool jamming.

WIDE CUTTING APPLICABILITY:

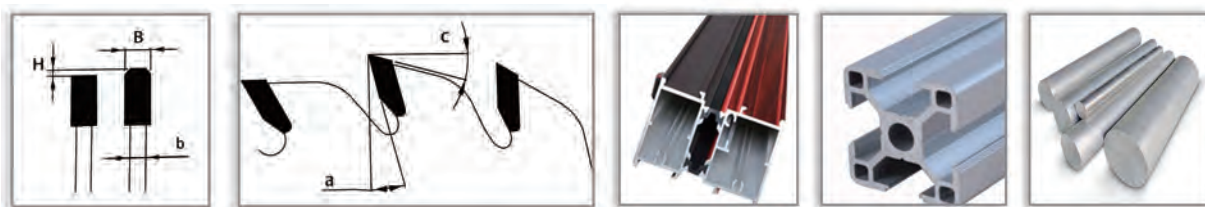
PCD saw blades demonstrate excellent cost - effectiveness when cutting easily - worn materials such as wood, engineered wood flooring, silicon - aluminum alloys, and carbon fiber - reinforced plastics.



PCD Aluminum Saw Blade



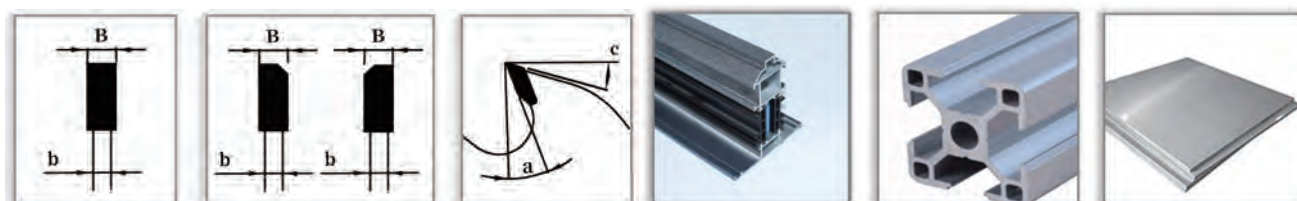
D(mm)	d(mm)	B(mm)	Z	Features,Uses
255	25.4	3.0	120	Application: Broken bridge aluminum, Aluminum profile, Reinforced plastic, no-ferrous, etc Machine: Auto pannel saw, Double head mitre saw, Manual cut-off saw and other CNC machine etc.
305	25.4	3.0	120	
355	25.4	3.2	120	
405	30	4.0	120	
450	30	4.0	96/120	
500	30	4.4	96/120	
550	30	4.8	120/144	
600	30	4.8	120/144	



PCD End Milling Saw Blade



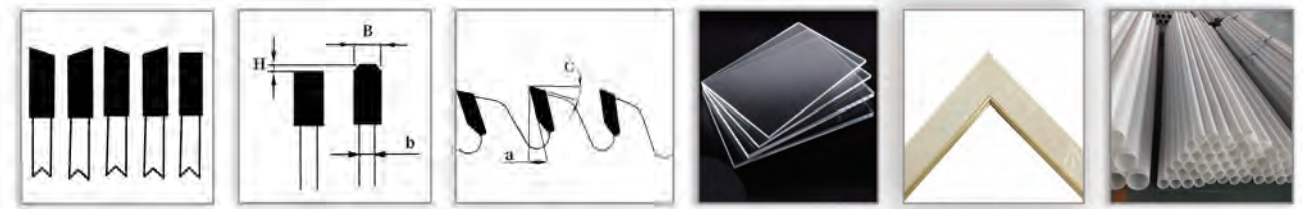
D(mm)	d(mm)	B(mm)	Z	Features,Uses
150	30/32	2.0-10	20	Application: Aluminum profile, Rods and bars etc. Machine: Horizontal panel saw, Slotting device ,double milling machine etc.
200	30/32	2.0-10	24	
250	30/32	4.0-10	40/60	
300	30/32	4.0-10	40/60	
350	30/32	4.0-10	60/80	



TCT Thin-kerf Cutting Saw Blade



D(mm)	d(mm)	B(mm)	Z	Features,Uses
205	25.4	2	60/80	Application: Ultra thin materials, Solid wood, Valuable timber, Panels, acrylic, Plastic and organic glass etc. Machine: Single unit cut-off machine, Table saw, Vertical plane machine etc.
230	25.4	2.2	60/80	
250	25.4	2.2/2.8	60/80	
255	25.4/30	2	100/120	
305	30	2.2	100/120	
350	30	2.8	120	



TCT Aluminum Saw Blade



D(mm)	d(mm)	B(mm)	Z	Features,Uses
255	25.4	3.0	120	Application: broken bridge aluminum, plastic steel, aluminum profile, aluminum door&window, curtain wall ,copper alloy and other no-ferrous material, etc Machine: Auto pannel saw, double head mitre saw, manual cut-off saw and other CNC machine etc
305	25.4	3.0	120	
355	25.4	3.2	120	
405	30	4.0	120	
450	30	4.0	96/120	
500	30	4.4	96/120	
550	30	4.8	120/144	
600	30	4.8	120/144	



Aluminum cutting disc

TCT Industrial Aluminum Saw Blade



D(mm)	d(mm)	B(mm)	Z
600	30	5.0	80
750	30	5.0	80
800	30	5.0	100
900	30	5.0	100
1000	30	5.0	120
1200	30	5.0	120



Application: Cutting aluminum plates, Aluminum rods, Thickened industrial aluminum material etc.

Machine: Electronic Automatic Cut-off Saw and other CNC machine etc.

REGULAR TOOTH SHAPE



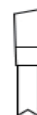
P



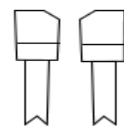
T



L



R



ZYT



P(conical)



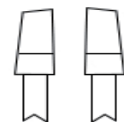
TP(TR-F)



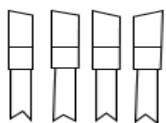
W(ATB)



ZYP



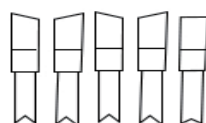
W(conical)



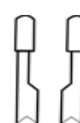
ZZZY



YYYZ



ZYZP(BA5)



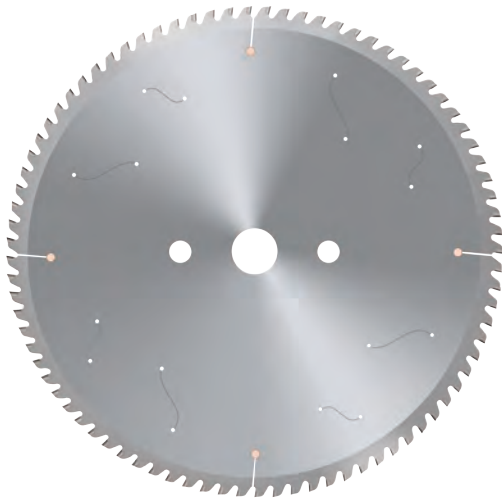
Y

Woodworking

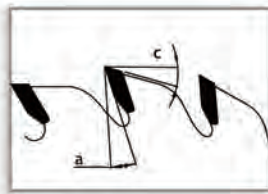
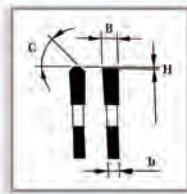
Saw Blade



PCD Universal Saw Blade



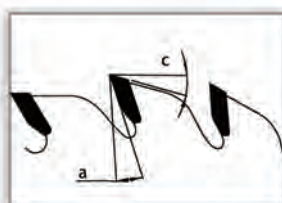
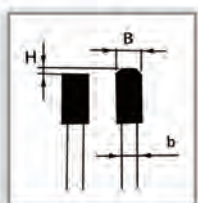
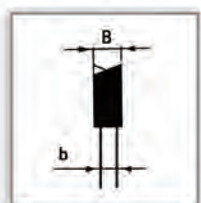
D(mm)	d(mm)	B(mm)	Z	Features,Uses
300	30	3.2	60	Application: Solid wood, Particleboard, MDF, chipboard, plyboard, compact laminate and other laminated ,etc Machine: Table saw, Panel saw, reciprocating saw.
300	30	3.2	72	
300	30	3.2	96	
350	30	3.5	84	



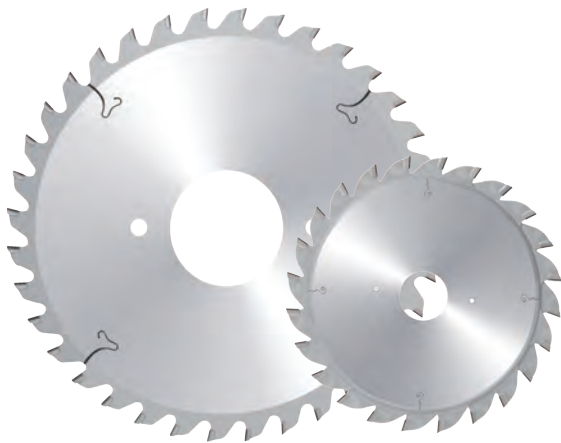
PCD Panel Sizing Saw Blade



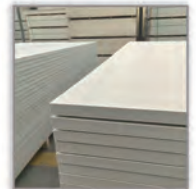
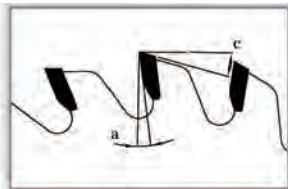
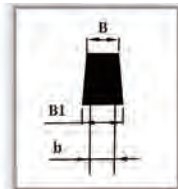
D(mm)	d(mm)	B(mm)	Z	Features,Uses
300	80	4	96	Application: Plain board and veneer particle board, Medium density and high density veneer etc. Machine: Panel sizing machine and reciprocating saw.
350	30	4	84	
350	30/60/50	4.4	72/84	
355	25.4	3.5	96	
355	60	3.5	84	
360	65	4.4	84	
380	60	4.4	72	
380/400	60/75	4.4	84	
400	60	4.4	72	
450	60	4.8	84	



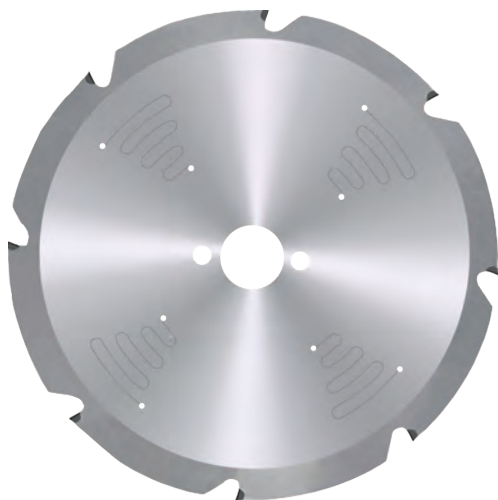
PCD Conical/ Adjustable Scoring Saw Blade



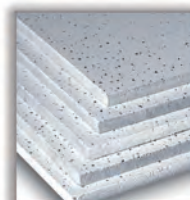
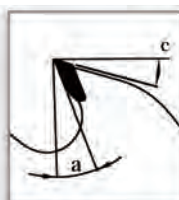
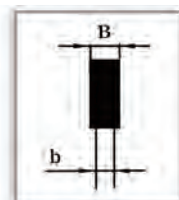
D(mm)	d(mm)	B(mm)	Z	Features,Uses
120	20/22	2.8-3.6	12+12	Application : MDF, Chipboard, Plywood with laminated and other veneer materials. Machine : Table Saw, Precision sliding table saw, Panel sizing saw, etc.
120	20/22	3.0-4.0	24	
125	22	3.4-4.4	24	
160	25.4/30	3.4-4.4	36	
160	55	3.1-4.1/3.9-4.9	36	
160	45	4.3-5.3	36	
180	30	3.4-4.4/3.9-4.9	36	
180	30/45	4.3-5.3	36	
180	45	4.7-5.7	36	
200	45/50/75	4.3-5.3	36	
200	50	4.7-5.7	36	



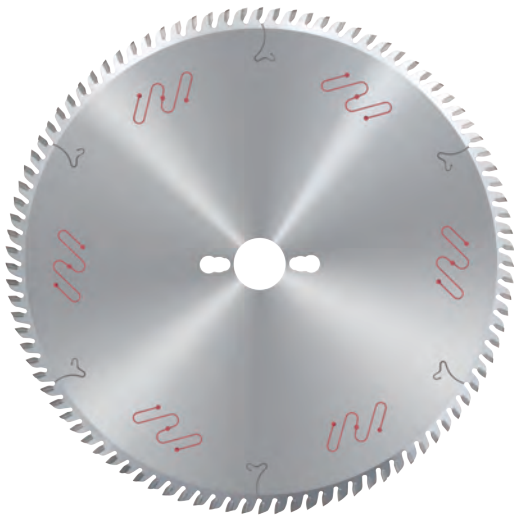
PCD Power Tool Saw Blade



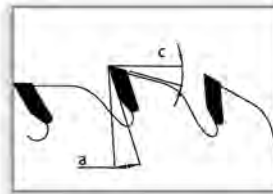
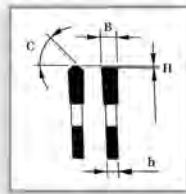
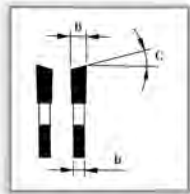
D(mm)	d(mm)	B(mm)	Z	Features,Uses
110	20	1.8	5	Application: Calcium silicate, Fiber gypsum board, Solid wood, Density board, Adhesive board, etc. Machine: Angle grinder, Electric circular saw, Cutting machine, Table saw.
160	20	2.0	4	
160	20	2.0	6	
160	20	2.0	8	
160	20	2.0	10	
185	20	2.0	4	



TCT Universal Saw Blade



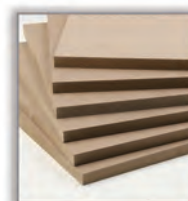
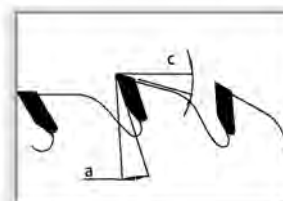
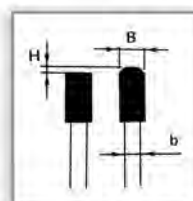
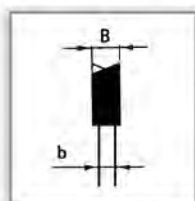
D(mm)	d(mm)	B(mm)	Z	Features,Uses
300	30	3.2	60	Application: Cross cutting & ripping solid wood (hard & soft), Laminated panels like particle board, MDF and plywood etc. Machine: Table Saw, Panel saw and cross cut saw machine etc.
300	30	3.2	72	
300	30	3.2	96	
350	30	3.2	84	



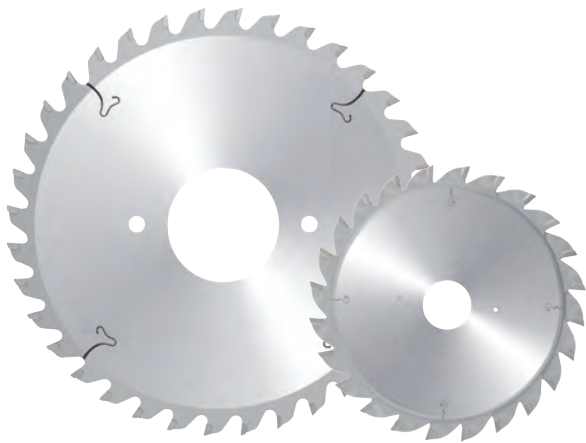
TCT Panel Sizing Saw Blade



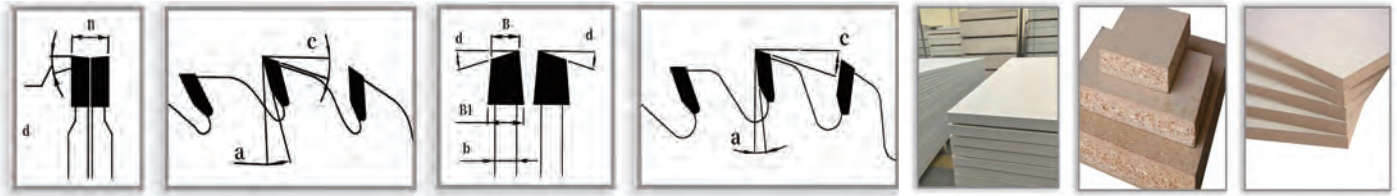
D(mm)	d(mm)	B(mm)	Z	Features,Uses
300	80	4	96	Application: Chipboard, Plywood, MDF, HDF Machine: Panel sizing machine and reciprocating saw.
350	30	4	84	
350	30/60/75	4.4	72/84	
355	25.4	3.5	96	
355	60	3.5	84	
360	65	4.4	84	
380	60	4.4	72	
380/400	60/75	4.4	84	
400	60	4.4	72	
450	60	4.8	84	



TCT Conical/ Adjustable Scoring Saw Blade



D(mm)	d(mm)	B(mm)	Z	Features,Uses
120	20/22	2.8-3.6	12+12	Application : MDF, Chipboard, Plywood with laminated and other veneer materials. Machine : Precise table saw, Panel sizing saw, Horizontal panel saw.
120	20/22	3.0-4.0	24	
125	22	3.4-4.4	24	
160	25.4/30	3.4-4.4	36	
160	55	3.1-4.1/3.9-4.9	36	
160	45	4.3-5.3	36	
180	30	3.4-4.4/3.9-4.9	36	
180	30/45	4.3-5.3	36	
180	45	4.7-5.7	36	
200	45/50/75	4.3-5.3	36	
200	50	4.7-5.7	36	



Multi Ripping Saw Blade With Rakers



D(mm)	d(mm)	B(mm)	Z
180	40	2.2/1.6	24+3
200	70	1.6/1.2	28+2
205	40	2.2/1.6	24+3
220	40	2.3/1.7	30+3
230	45	2.4/1.8	30+2+2
250	70	2.2/1.6	30+3
250	60	2.2/1.6	30+2+2
255	50	1.6/1.2	36+3
255	70	1.7/1.2	36+2
300	70	3.2/2.2	24+2/24+2+2
300	70	2.2/1.6	24+2/24+2+2
350	70	3.5/2.5	24+2/24+2+2
350	70	3.2/2.4	24+2/24+2+2
450	70	4.4/3.2	24+2+2

Features,Uses :

Application: Used for heavy bamboo, cypress wood, Hard mixed wood and other wet materials with water content of more than 15%, Processing metasequoia, Cryptomeria, Logs, Integrated wood, Finger jointing wood, Bamboo and other raw materials.

Machine: Log multi-ripsaw, Square multi-rip saw, Log push table saw, Whole plate multi-rip saw, Half plate multi-rip saw, Vertical shaft or horizontal shaft multi-rip saw.



PCD V-Cutter

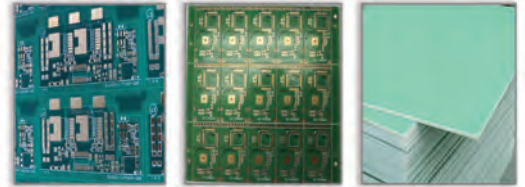


category	D(mm)	d(mm)	B(mm)	Z
V-CUT刀	51	25	2.4/3.0/4.0	18
	66	25.4	2.4/3.0/4.0	18
	80	25.4	2.4/3.0/4.0	20
	120	25.4/40	2.4/3.0/4.0	20
	120	25.4/40	2.4/3.0/4.0	30
	125	25.4/40	2.4/3.0/4.0	25
Cut off saw blade	305	25.4/30/31.75	2.4/3.0/4.0	72
	325	25.4/30/31.75	2.4/3.0/4.0	72
	350	25.4/30/31.75	2.4/3.0/4.0	72
	375	25.4/30/31.75	2.4/3.0/4.0	72

Features,Uses:

Application: Aluminum substrate , Fiberglass board, Double-sided copper clad PCB circuit board etc.

Machine: PCB Cutting Machine/V Scoring Machine.



PCD Pre-milling Cutter



外径D	内径d	高度H	齿数Z	排列方式	键槽	度数
100	30	48	15	(1+4) *3	单/双	25°
100	30	65	15	(1+4) *3	双	25°
125	30	35	6	(1+1) *3	单/双	25°
125	30	35	12	(2+2) *3	单/双	25°
125	30	43	9	(1+2) *3	单/双	25°
125	30	43	12	(2+2) *3	单/双	25°
125	30	50	12	(1+3) *3	双	25°
125	30	65	15	(1+4) *3	单/双	25°
125	30	65	18	(1+5) *3	单/双	25°
150	30	35	8	(1+1) *4	单/双	25°
150	30	43	12	(1+2) *4	双	25°
150	30	65	15	(1+4) *3	单/双	25°
150	30	65	18	(1+5) *3	单/双	25°

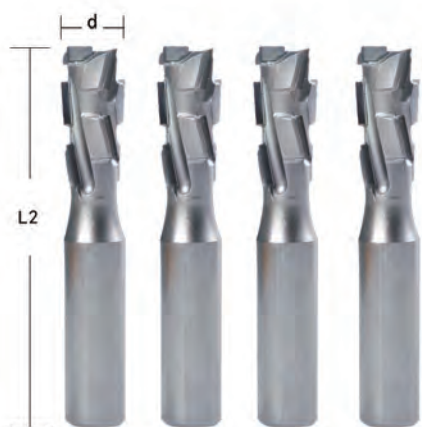
Features,Uses:

Application: MDF, particleboard, multilayer board.

Machine: Automatic edge banding machine.



PCD Spiral Milling



刃径 D(mm)	刃长 L(mm)	丙径 d(mm)	总长 L2(mm)	齿数 Z(mm)	齿高 H(mm)
12	25	12	75	1+1	2.5
16	35	16	95	1+1	2.5
18	43	20	103	1+1	2.5
20	25	25	90	1+1	2.5

Features,Uses:

Application: Chipboard, MDF, Laminated with melamine board, Plywood etc.

Machine: Manual or automatic milling machine, CNC machining center.



TCT bits



NO.	S	D	H	Z
1	1/2	4.5	15	2T
2	1/2	5	15	2T
3	1/2	5.5	15	2T
4	1/2	6	15	2T
5	1/2	6	20	2T
6	1/2	6	22	2T
7	1/2	6	28	2T
8	1/2	8	20	2T
9	1/2	8	22	2T
10	1/4	2	6	2T
11	1/4	2.5	6	2T
12	1/4	3	12	2T
13	1/4	3.5	10	2T
14	1/4	4	12	2T
15	1/4	4	15	2T
16	1/4	4.5	15	2T
17	1/4	5	15	2T
18	1/4	5.5	15	2T
19	1/4	6	15	2T

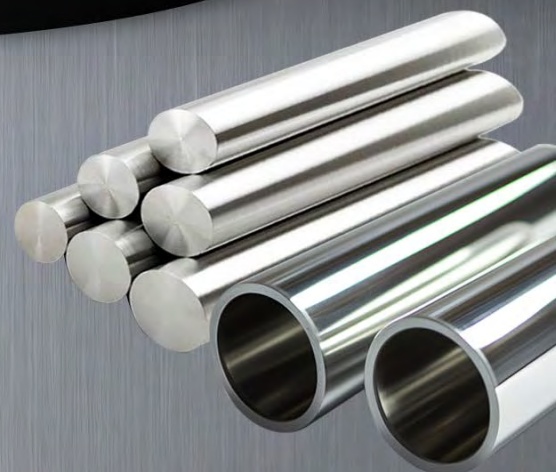
Features,Uses:

Application: wood, MDF, Bamboo.

Machine: Engraving machine, CNC machining center etc.



COLD SAW BLADE



Saw Blade For Ferrous Metal Cutting

Saw Blade For Ferrous Metal Cutting

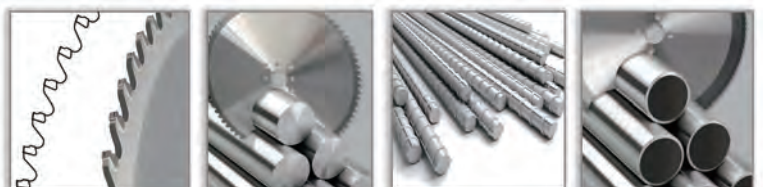


Coated Saw Blade For Ferrous Metal Cutting



D(mm)	d(mm)	B(mm)	Z	Z
250	2.00	1.70	32/40	54
				60
				72
				80
				100
285	2.00	1,70(1.75)	32/40	60
				72
				80
				100
				120
360	2.60	2,25	32/40/50	50
				60
				72
				80
				100
				120
420	2.70	2,25	40/50	144
				50
				60
				72
				80
425	2.70	2,25	50	100
				50
				60
				80
				100
460	2.70	2,25	50	50
				60
				72
				80
				100
				120
750	3.80	3,00	80	50
				60
				80
				80

Application: Ferrous metal
Machine: High precise cold saw machine
Tips Material : Cermet alloy
Body Material: SKS51



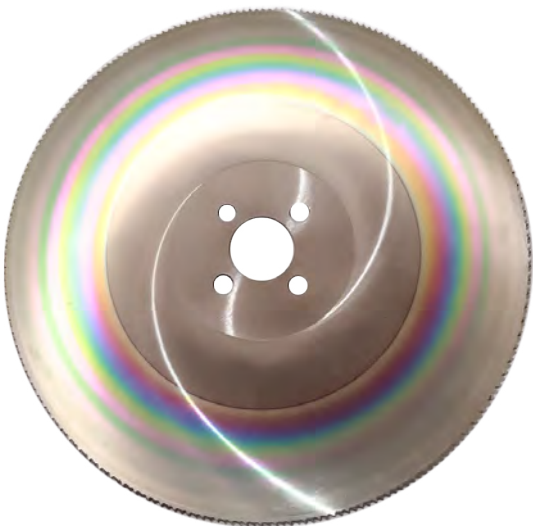
Dry Cutting Saw Blade



D(mm)	d(mm)	B(mm)	Z
110	22.23/34	1.6/1.2	28T
140	34	1.6/1.2	36T
145	22.23	1.8/1.4	36T
160	34	1.8/1.4	36T
185	34	1.8/1.4	36T
235	22.23/34	1.8/1.5	48T
255	25.4	2.2/1.9	54T
255	25.4	2.0/1.6	60T/80T
305	25.4	2.0/1.8	80T
355	25.4	2.2/1.8	66T/72T/80T
405	32	2.8/2.5	96T
405	32	2.8/2.5	72T
450	32	3.3/3.0	84T
500	32	4.0/3.5	120T
600	32	3.4/3.0	120T



Hss Saw Blade



D(mm)	d(mm)	B(mm)	Z
250	25.4-32	1.5/1.6	240/200/160
285	25.4-32	2.0	280/220/180
315	25.4-32	3.0	300/240/200
350	25.4-32	3.0	350/280/220
375	25.4-32	3.0	380/280/220
400	25.4-32	3.0	310/250/200
425	25.4-32	3.5	320/260/220
500	25.4-32	3.0	390/310/260



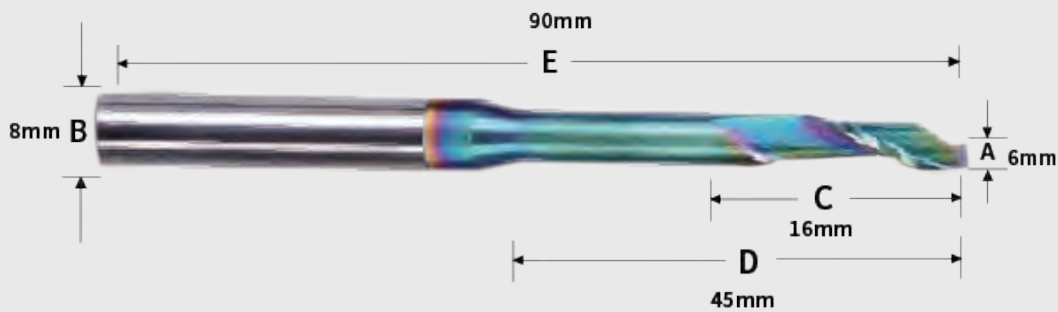
MILLING CUTTER

Milling Cutter for Aluminum processing



Processed materials: Aluminum plate, Aluminum veneer, Aluminum profile, Aluminum honeycomb plate, Aluminum matrix composite material, etc.

Features: Single-edge large spiral D-type groove design, Greatly increase the amount of chip removal, Non-stick knife, Improve processing speed, Mirror process design in the groove, Reduce the friction heat at the same time, Increase the sharpness of the cutting edge.



序号(N)	品名(NAME)	刃径*柄径*刃长*避空*总长(A*B*C*D*E)	订购单位(PC)
1	Milling Cutter	3*8*12*60	PCS
2	Milling Cutter	4*8*12*60	PCS
3	Milling Cutter	5*8*12*60	PCS
4	Milling Cutter	5*5*20*90	PCS
5	Milling Cutter	5*8*14(35)*80	PCS
6	Milling Cutter	5*8*16(45)*90	PCS
7	Milling Cutter	6*8*12*60	PCS
8	Milling Cutter	6*6*20*90	PCS
9	Milling Cutter	6*8*14(35)*80	PCS
10	Milling Cutter	6*8*16(45)*90	PCS
11	Milling Cutter	7*8*14*80	PCS
12	Milling Cutter	8*8*14*80	PCS
13	Milling Cutter	8*8*30(70)*100	PCS
14	Milling Cutter	8*8*30*120	PCS
15	Milling Cutter	10*8*14*80	PCS
16	Milling Cutter	10*10*14*80	PCS
17	Milling Cutter	10*10*30*100	PCS
18	Milling Cutter	10*10*30*120	PCS
19	Milling Cutter	12*12*14*120	PCS
20	Milling Cutter	14*14*14*80	PCS
21	Milling Cutter	14*14*14*100	PCS

Can design non-standard products according to customer requirements.

DRILL BIT

HSS Step Drill Bit



Processed materials: Used for drilling and processing aluminum, Steel, Iron, etc.

Features: Holes of different diameters can be processed as required, And step holes can be processed in one go without changing drill bits and drilling positioning holes.

N	NAME	BD*SD*BL*OL	PC
1	HSS Step Drill	(5X10)-(12X60)X12X120	PCS
2	HSS Step Drill	(5X10)-(12X90)X12X150	PCS
3	HSS Step Drill	(6X10)-(12X60)X12X120	PCS
4	HSS Step Drill	(6X10)-(12X90)X12X150	PCS
5	HSS Step Drill	(8X10)-(12X60)X12X120	PCS
6	HSS Step Drill	(8X10)-(12X90)X12X150	PCS
7	HSS Step Drill	(8X10)-(12X60)X12X150	PCS
8	HSS Step Drill	(10X10)-(12X60)X12X120	PCS
9	HSS Step Drill	(10X10)-(12X60)X12X150	PCS
10	HSS Step Drill	(5X10)-(10X60)X10X120	PCS
11	HSS Step Drill	(6X10)-(10X60)X10X120	PCS
12	HSS Step Drill	(6X10)-(10X75)X10X150	PCS
13	HSS Step Drill	(8X10)-(10X60)X10X120	PCS
14	HSS Step Drill	(10X10)-(13X60)X13X120	PCS
15	HSS Step Drill	(10X10)-(13X75)X13X140	PCS

Can design non-standard products according to customer requirements.

Keyhole Drill



序号(N)	品名(NAME)	丝径*总长*刃长*(变径刃径-变径刃径)WD*OL*BL(RD-RD)	订购单位(PC)
1	Keyhole Drill	8X105X40X(10-5)	PCS
2	Keyhole Drill	8X105X40X(12-5)	PCS
3	Keyhole Drill	10X105X40X(10-5)	PCS
4	Keyhole Drill	10X105X40X(12-5)	PCS
5	Keyhole Drill	10X105X50X(14-5)	PCS
6	Keyhole Drill	10X105X50X(16-5)	PCS
7	Keyhole Drill	10X120X75X(10-5)	PCS
8	Keyhole Drill	10X125X75X(12-5)	PCS
9	Keyhole Drill	10X125X75X(14-5)	PCS
10	Keyhole Drill	10X125X75X(16-5)	PCS
11	Keyhole Drill	10X140X90X(10-5)	PCS
12	Keyhole Drill	10X145X90X(12-5)	PCS
13	Keyhole Drill	10X145X90X(14-5)	PCS
14	Keyhole Drill	10X145X90X(16-5)	PCS

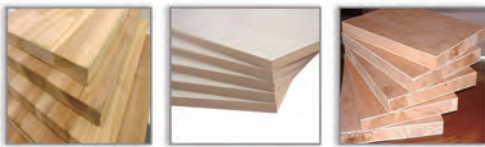
DRILL BIT

Dowel Drill



Applications: Solid wood, MDF, Artificial board, etc

Machine: Used for CNC or woodworking row drill



序号	柄径S	刃径D	长度	旋向R
1	10	3	57/70	L/R
2	10	4	57/70	L/R
3	10	5	57/70	L/R
4	10	6	57/70	L/R
5	10	7	57/70	L/R
6	10	8	57/70	L/R
7	10	9	57/70	L/R
8	10	9.8	57/70	L/R
9	10	10	57/70	L/R
10	10	11	70	L/R
11	10	12	57/70	L/R
12	10	15	57/70	L/R

Hinge Boring Bit



Applications: Solid wood, MDF, Artificial board, etc

Machine: Used for CNC or woodworking row drill



序号	柄径S	刃径D	长度L	齿数Z	旋向R
1	10	12	70	4	L/R
2	10	15	57/70	4	L/R
3	10	16	70	4	L/R
4	10	17	70	4	L/R
5	10	18	70	4	L/R
6	10	19	70	4	L/R
7	10	20	57/70	4	L/R
8	10	21	70	4	L/R
9	10	22	70	4	L/R
10	10	25	70	4	L/R
11	10	30	70	4	L/R
12	10	35	70	3带分割	L/R
13	10	35	57/70	4	L/R
14	10	35	37	4	L/R
15	10	38	70	4	L/R
16	10	40	70	4	L/R
17	10	45	70	4	L/R
18	10	50	70	4	L/R
19	10	53	70	4	L/R
20	10	55	70	4	L/R
21	10	60	70	4	L/R
22	12.7	15	70	4	R



ZeiusaTM



ZEIUSA LLC +1 716-288-8317 www.zeiusa.com