



WOOD WORKING SERIES

High precision arbor
H6 standard,
Ovality deviation <0.005MM.

Rare alloy steel plate
Patented YB09 steel plate
with 5 kinds of rare metal elements
enables 3 times anti- resistance.

Ultra-high-pressure treatment
Patented technology:
72 hours of continuous heat treatment,
more uniform and tighter steel plate structure,
natural leveling surface.

Big data based test for tension
Tension inspection based on big data,
precise tension value for each saw blade.

German welding technology
Tooth firmness and durability:
German Gerling welding machine,
German Umicore sandwich solder.

Precision grinding
Multi-sided and multi-wheel fine grinding craft:
grinding on 6 sides by 6 types of different grinders.

Balanced polishing technology
Patented Technology:
Balanced polishing technology.

Chengdu KWS Precision Cutting Tool Co., Ltd

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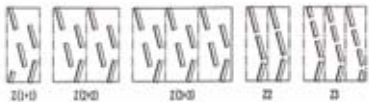
[PCD Router Bit]

PCD Nesting Bits



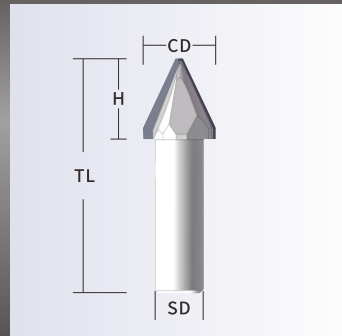
Machine: Milling machine, machining centre, CNC centre
Application: Chipboard, MDF, composite, plastic and acrylic
Advantage: High hardness and wear resistance, optimized for precise and fast cutting

Teeth Feature



NO.	SD	CD	CL	TL	Z(1+1)	α
01	12	12	35	85	6	15°
02	12	12	45	95	8	15°
03	16	16	35	85	6	20°
04	16	16	45	105	8	20°
05	20	18	45	105	8	20°
06	20	20	35	85	6	20°
07	20	20	45	105	8	20°
08	12	10	25	75	6	15°
NO.	SD	CD	CL	TL	Z(2+2)	α
01	12	12	25	75	8	15°
02	12	12	35	85	12	15°
03	20	20	60	120	14	20°
04	20	20	35	95	12	20°
05	20	20	55	115	12	20°
06	12	12	35	85	12	15°
	12	12	35	85	8	15°
NO.	SD	CD	CL	TL	Z(3+3)	α
01	12	12	25	75	12	15°
02	12	12	35	85	15	15°
03	16	16	35	85	15	20°
04	16	14	30	85	15	15°
NO.	SD	CD	CL	TL	Z3	α
01	16	16	30	90	12	20°
02	20	20	40	100	15	20°
03	20	20	50	110	21	20°
04	12	12	21	70	9	20°

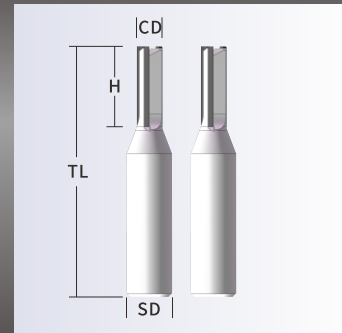
PCD V-shap Bit



Machine: Milling machine, machining centre, CNC centre
 Application: Density board, melamine board, solid wood, plywood
 Advantage: Long lifespan and smooth cutting

NO.	CD	H	SD	TL	T	Note
01	18.8	18	12.7	61	2	50°
02	30	15	12	68	2	90°
03	40	11.55	12	64.55	2	120°

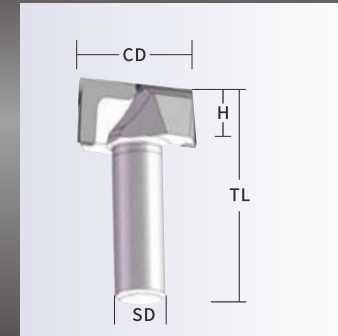
PCD Straight Bit



Machine: Milling machine, machining centre, CNC centre
 Application: Density board, melamine board, solid wood, plywood
 Advantage: Long lifespan and smooth cutting

NO.	CD	H	SD	TL	T
01	8	15	12.7	63	3
02	8	22	12.7	70	3
03	12	15	12	70.85	3
04	12	15	12	62	3
05	12	30	12.7	76	3
06	16	30	16	80	2

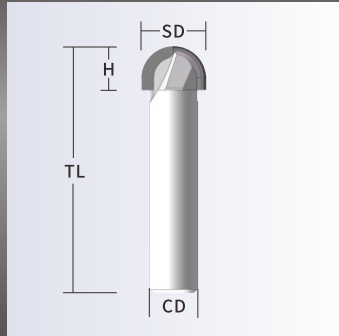
PCD Bottom Cleaning Bit



Machine: Milling machine, machining centre, CNC centre
 Application: Density board, melamine board, solid wood, plywood
 Advantage: Long lifespan and smooth cutting

NO.	CD	H	SD	TL	T
01	3	11	3	60	1
02	4	12	4	60	1
03	6	11	6	60	2
04	8	14	8	60	2
05	8	21	8	65	2
06	8	8	8	100	2
07	9	14	10	60	2
08	9	21	10	65	2
09	10	20	12.7	67	2
10	12	16	12.7	66	2
11	12	30	12.7	77	3
12	12	15	12	66	2
13	12	20	12.7	67	2
14	12.7	20	12.7	67	2
15	15	15	12.7	56	2
16	15	20	12.7	61	2
17	16	15	12	66	2
18	20	15	12	66	2
19	20	15	12.7	55.5	2
20	22	15	12	66	2
21	25	15	12.7	55.5	2
22	30	17	12.7	57	2
23	30	15	12	66	2
24	30	15	12.7	55.5	2
25	32	15	12.7	55.5	2
26	35	15	12.7	55.5	2
27	35	20	12.7	60.5	2
28	40	15	12	55.5	2
29	40	15	12.7	55.5	2

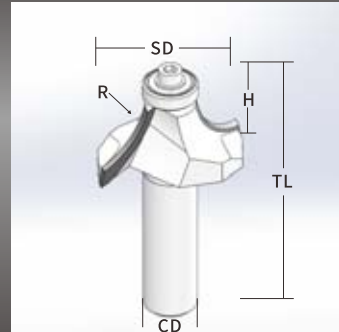
PCD Cove Box Bit



Machine: Milling machine, machining centre, CNC centre
 Application: Density board, melamine board, solid wood, plywood
 Advantage: Long lifespan and smooth cutting

NO.	CD	H	SD	TL	T	Note
01	12	9	12	61	2	R6
02	12	12	12	52	2	R6
03	16	11	12	61	2	R8
04	20	13	12	63	2	R10
05	24	15	12	65	2	R12

PCD Corner Round Bit



Machine: Milling machine, machining centre, CNC centre
 Application: Density board, melamine board, solid wood, plywood
 Advantage: Long lifespan and smooth cutting

NO.	CD	H	SD	TL	T	Note
01	14	7	12	57	2	R2
02	16	8	12	58	2	R3
03	24	12	12	62	2	R6
04	25.4	13	12	58	2	R6.35
05	28	14	12	64	2	R8
06	34	16	12	66	2	R10
07	37	17	12.7	57	2	R12with bearing
08	38	18	12	68	2	R12

High Brightness And Precision Body

Fully Automatic Production Process

Rare Earth Element Alloys

Precision Grinded With 5 Axis CNC



[ROUTER BIT]

TCT Straight Bit-2T



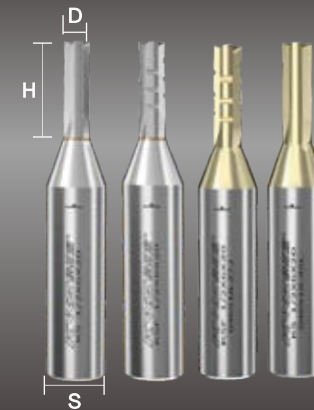
Material



Machines: Engraving machine,
CNC machining center etc.
Application: Wood, MDF, bamboo
Features: Dual flute made of carbide alloy
Advantage: High quality alloy, unique welding
process, excellent quality, super
long life

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

TCT Straight Bit - 3T



Material



Machine: CNC machine
Application: MDF, solid wood, plywood, chipboard
Advantage: 3 flute design, high cutting efficiency, longer life,
smooth cutting edge.
With PVD coating, enlarge the life time and cutting
performance

No.	S	D	H	Z	Remark
1	1/2	5	15	3T	without/with PVD coating
2	1/2	5	20	3T	without/with PVD coating
3	1/2	6	20	3/4T	without/with PVD coating
4	1/2	6	22	3T	without/with PVD coating
5	1/2	6	24	3T	without/with PVD coating
6	1/2	6	26	3T	without/with PVD coating
7	1/2	6	28	3T	without/with PVD coating
8	1/2	6	30	3T	without/with PVD coating
9	1/2	8	20	3T	without/with PVD coating
10	1/2	8	22	3T	without/with PVD coating
11	1/2	8	24	3T	without/with PVD coating
12	1/2	8	26	3T	without/with PVD coating
13	1/2	8	28	3T	without/with PVD coating
14	1/2	8	30	3T	without/with PVD coating
15	1/2	8	35	3T	without/with PVD coating
16	1/2	8	38	3T	without/with PVD coating
17	1/2	8	40	3T	without/with PVD coating
18	1/2	10	15	3T	without/with PVD coating
19	1/2	10	20	3T	without/with PVD coating
20	1/2	10	22	3T	without/with PVD coating
21	1/2	10	30	3T	without/with PVD coating
22	1/2	10	50	3T	without/with PVD coating
23	1/2	10	60	4T	without/with PVD coating

TCT Compression Bit



Material



Application: Sizing, trimming, slotting and drilling for MDF, chipboard, plywood and other boards
Advantage: Perfect finishing on both sides

No.	S	D	H	Z	Remark
1	1/2	6	20	2T	without/with PVD coating
2	1/2	6	22	2T	without/with PVD coating
3	1/2	6	24	2T	without/with PVD coating
4	1/2	6	26	2T	without/with PVD coating
5	1/2	8	20	2T	without/with PVD coating
6	1/2	8	22	2T	without/with PVD coating
7	1/2	8	24	2T	without/with PVD coating
8	1/2	8	26	2T	without/with PVD coating
9	1/2	8	28	2T	without/with PVD coating
10	1/2	6	20	3T	without/with PVD coating
11	1/2	6	22	3T	without/with PVD coating
12	1/2	6	24	3T	without/with PVD coating
13	1/2	6	26	3T	without/with PVD coating
14	1/2	8	20	3T	without/with PVD coating
15	1/2	8	22	3T	without/with PVD coating
16	1/2	8	24	3T	without/with PVD coating
17	1/2	8	26	3T	without/with PVD coating
18	1/2	8	28	3T	without/with PVD coating

TCT Cove Box Bit



Material

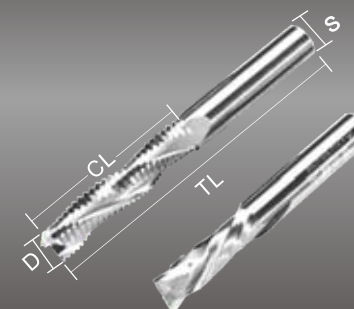


Machine: Engraving machine, CNC centre, CNC mortise machine
Application: Solid Wood, density board
Advantage: Dual flutes made of TCT alloy, Longer life.
Large chip removal space, More cutting force

Stock: ☒ Yes ☐ No

No.	S	D	H	K5
1	1/2	3	8	☒
2	1/2	4	8	☒
3	1/2	5	8	☒
4	1/2	6	8	☒

Solid Carbide Milling Bit



Material

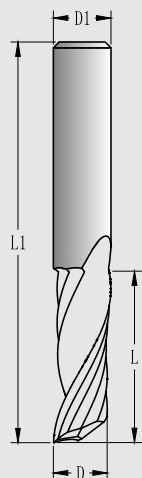


Machine: Engraving machine, CNC machining center, CNC tenon and grooving machine
Application: Trimming, mortise and groove, strip hole
Advantage: Sharp, durable, accuracy, stable quality

Stock: ☒ Yes ☐ No

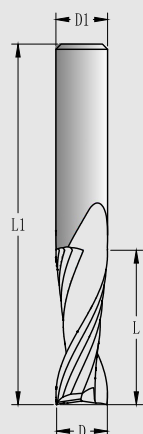
No.	S	D	CL	TL	Z	K5
1	8	8	50	100	3T	☒
2	10	10	50	100	3T	☒
3	12	12	70	120	3T	☒
4	16	16	60	130	3T	☒
5	16	16	55/105	165	3T	☒
6	16	16	55/105	165	3T	☒
7	16	16	55/105	165	3T	☒
8	20	20	55/105	165	3T	☒

Solid Carbide Spiral Bit-1Z



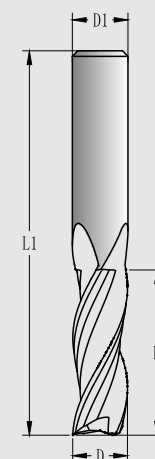
No.	Size	D1	D	L	L1
1	4x4x6x50-UP	4	4	6	50
2	4x4x6x50-DOWN	4	4	6	50
3	4x4x12x50-UP	4	4	12	50
4	4x4x12x50-DOWN	4	4	12	50
5	4x4x16x50-UP	4	4	16	50
6	4x4x16x50-DOWN	4	4	16	50
7	6x6x14x50-UP	6	6	14	50
8	6x6x14x50-DOWN	6	6	14	50
9	6x6x25x80-UP	6	6	25	80
10	6x6x25x80-DOWN	6	6	25	80
11	8x8x20x65-UP	8	8	20	65
12	8x8x20x65-DOWN	8	8	20	65
13	8x8x32x80-UP	8	8	32	80
14	8x8x32x80-DOWN	8	8	32	80
15	10x10x25x70-UP	10	10	25	70
16	10x10x25x70-DOWN	10	10	25	70
17	10x10x40x90-UP	10	10	40	90
18	10x10x40x90-DOWN	10	10	40	90
19	12x12x30x75-UP	12	12	30	75
20	12x12x30x75-DOWN	12	12	30	75
21	12x12x40x90-UP	12	12	40	90
22	12x12x40x90-DOWN	12	12	40	90

Solid Carbide Spiral Bit-2Z



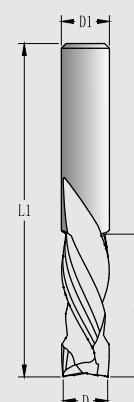
No.	Size	D1	D	L	L1
1	6x6x20x55-UP	6	6	20	55
2	6x6x20x55-DOWN	6	6	20	55
3	8x8x25x70-UP	8	8	25	70
4	8x8x25x70-DOWN	8	8	25	70
5	10x10x25x70-UP	10	10	25	70
6	10x10x25x70-DOWN	10	10	25	70
7	12x12x32x80-UP	12	12	32	80
8	12x12x32x80-DOWN	12	12	32	80
9	12x12x42x90-UP	12	12	42	90
10	12x12x42x90-DOWN	12	12	42	90
11	12x12x50x100-UP	12	12	50	100
12	12x12x50x100-DOWN	12	12	50	100

Solid Carbide Spiral Bit-3Z



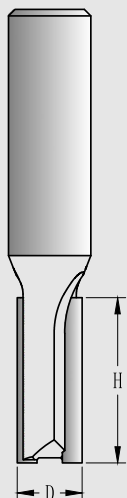
No.	Size	D1	D	L	L1
1	8x8x25x70-UP	8	8	25	70
2	8x8x25x70-DOWN	8	8	25	70
3	10x10x25x70-UP	10	10	25	70
4	10x10x25x70-DOWN	10	10	25	70
5	12x12x32x80-UP	12	12	32	80
6	12x12x32x80-DOWN	12	12	32	80
7	12x12x42x90-UP	12	12	42	90
8	12x12x42x90-DOWN	12	12	42	90
9	12x12x50x100-UP	12	12	50	100
10	12x12x50x100-DOWN	12	12	50	100
11	16x16x32x80-UP	16	16	32	80
12	16x16x32x80-DOWN	16	16	32	80
13	16x16x42x90-UP	16	16	42	90
14	16x16x42x90-DOWN	16	16	42	90
15	16x16x50x100-UP	16	16	50	100
16	16x16x50x100-DOWN	16	16	50	100

Carbide Cut Double Spiral Bit



No.	Size	D1	D	L	L1
1	6x6x20x55	6.0	6.0	20.00	55.00
2	8x8x25x70	6.0	6.0	25.00	70.00
3	10x10x25x70	10.0	10.0	25.00	70.00
4	10x10x30x75	10.0	10.0	30.00	75.00
5	12x12x30x75	12.0	12.0	30.00	75.00
6	12x12x40x90	12.0	12.0	40.00	90.00
7	12x12x50x100	12.0	12.0	50.00	100.00
8	16x16x30x75	16.0	16.0	30.00	75.00
9	16x16x40x90	16.0	16.0	40.00	90.00
10	16x16x50x100	16.0	16.0	50.00	100.00
11	1/2x1/2x1X3	12.7	12.7	25.40	76.20
12	1/2x1/2x1-1/8x3	12.7	12.7	28.60	76.20
13	1/2x1/2x1-3/8x3-1/2	12.7	12.7	34.90	88.90

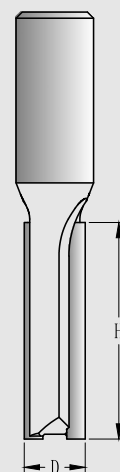
Straight Bit



No.	Size	Z	D	H
1	1/4 x 1/4	2	6.35	20.00
2	1/4 x 5/16	2	7.96	25.00
3	1/4 x 3/8	2	9.52	30.00
4	1/4 x 1/2	2	12.70	30.00
5	1/4 x 5/8	2	15.90	30.00
6	1/2 x 1/4	2	6.35	20.00
7	1/2 x 5/16	2	7.96	25.00
8	1/2 x 3/8	2	9.52	30.00
9	1/2 x 1/2	2	12.70	30.00
10	1/2 x 5/8	2	15.90	30.00
11	1/2 x 3/4	2	19.05	30.00
12	1/2 x 7/8	2	22.20	30.00
13	1/2 x 1	2	25.40	30.00
14	1/2 x 1-1/8	2	28.60	30.00
15	1/2 x 1-1/4	2	31.75	30.00
16	1/2 x 1-3/8	2	34.90	30.00
17	1/2 x 1-1/2	2	38.10	30.00
18	1/2 x 1-3/4	2	44.45	30.00
19	1/2 x 2	2	50.80	30.00
20	1/2 x 6 x 12	2	6	12
21	1/2 x 6 x 15	2	6	15
22	1/2 x 6 x 20	2	6	20
23	1/2 x 6 x 22	2	6	22
24	1/2 x 6.5 x 20	2	6.5	20
25	1/2 x 7 x 15	2	7	15
26	1/2 x 7 x 20	2	7	20
27	1/2 x 7 x 22	2	7	22
28	1/2 x 7 x 25	2	7	25
29	1/2 x 8 x 15	2	8	15
30	1/2 x 8 x 20	2	8	20
31	1/2 x 8 x 25	2	8	25
32	1/2 x 8 x 30	2	8	30
33	1/2 x 9 x 15	2	9	15
34	1/2 x 9 x 20	2	9	20
35	1/2 x 9 x 25	2	9	25
36	1/2 x 10 x 15	2	10	15
37	1/2 x 10 x 20	2	10	20
38	1/2 x 10 x 25	2	10	25
39	1/2 x 10 x 30	2	10	30
40	1/2 x 11 x 30	2	11	30
41	1/2 x 12 x 20	2	12	20
42	1/2 x 12 x 25	2	12	25
43	1/2 x 12 x 30	2	12	30
44	1/2 x 13 x 15	2	13	15
45	1/2 x 13 x 20	2	13	20
46	1/2 x 13 x 25	2	13	25
47	1/2 x 13 x 30	2	13	30
48	1/2 x 14 x 15	2	14	15
49	1/2 x 14 x 30	2	14	30
50	1/2 x 15 x 30	2	15	30
51	1/2 x 16 x 30	2	16	30
52	1/2 x 17 x 30	2	17	30
53	1/2 x 18 x 30	2	18	30
54	1/2 x 19 x 30	2	19	30
55	1/2 x 20 x 20	2	20	20
56	1/2 x 20 x 30	2	20	30

No.	Size	Z	D	H
57	1/2 x 21 x 30	2	21	30
58	1/2 x 22 x 30	2	22	30
59	1/2 x 23 x 30	2	23	30
60	1/2 x 24 x 30	2	24	30
61	1/2 x 25 x 30	2	25	30
62	1/2 x 26 x 30	2	26	30
63	1/2 x 27 x 30	2	27	30
64	1/2 x 28 x 30	2	28	30
65	1/2 x 29 x 30	2	29	30
66	1/2 x 30 x 30	2	30	30
67	1/2 x 31 x 30	2	31	30
68	1/2 x 32 x 30	2	32	30
69	1/2 x 33 x 30	2	33	30
70	1/2 x 34 x 30	2	34	30
71	1/2 x 35 x 30	2	35	30
72	1/2 x 36 x 30	2	36	30
73	1/2 x 37 x 30	2	37	30
74	1/2 x 38 x 30	2	38	30
75	1/2 x 39 x 30	2	39	30
76	1/2 x 40 x 30	2	40	30
77	1/2 x 45 x 30	2	45	30
78	1/2 x 50 x 30	2	50	30

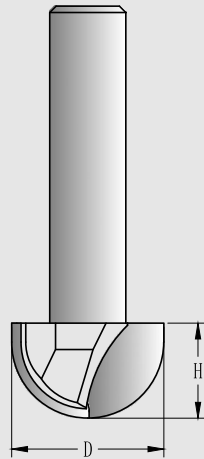
Long Blade Straight Bit



No.	Size	Z	D	H
1	1/4 x 1/4 x 1-1/4	2	6.35	31.75
2	1/4 x 3/8 x 1-1/4	2	9.52	31.75
3	1/2 x 1/2 x 1-1/4	2	12.70	31.75
4	1/2 x 1/2 x 1-1/2	2	12.70	38.10
5	1/2 x 1/2 x 1-3/4	2	12.70	44.45
6	1/2 x 1/2 x 2	2	12.70	50.80
7	1/2 x 1/2 x 2-1/2	2	12.70	63.50
8	1/2 x 1/2 x 3	2	12.70	76.20
9	1/2 x 5/8 x 1-1/2	2	15.90	38.10

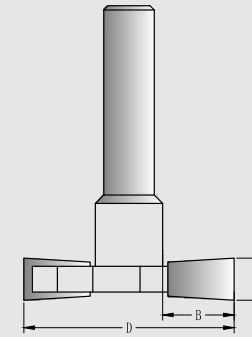
No.	Size	Z	D	H
1	1/2 x 10 mm x 35 mm	2	10	35
2	1/2 x 10 mm x 38 mm	2	10	38
3	1/2 x 12 mm x 35 mm	2	12	35
4	1/2 x 12 mm x 38 mm	2	12	38
5	1/2 x 12 mm x 40 mm	2	12	40
6	1/2 x 12 mm x 45 mm	2	12	45
7	1/2 x 12 mm x 50 mm	2	12	50
8	1/2 x 14 mm x 45 mm	2	14	45
9	1/2 x 15 mm x 50 mm	2	15	50

Cove Box Bit



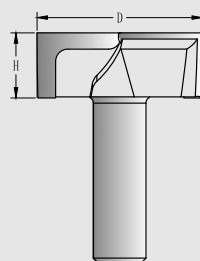
No.	Size	D	H
1	1/4x9	9	7.00
2	1/4x10	10	7.50
3	1/4x11	11	8.50
4	1/4x12	12	9.00
5	1/4x13	13	9.50
6	1/4x14	14	10.00
7	1/4x15	15	10.50
8	1/4x16	16	11.00
9	1/4x17	17	11.50
10	1/4x18	18	12.00
11	1/4x19	19	12.50
12	1/4x20	20	13.00
13	1/4x25	25	15.50
14	1/2x9	9	7.00
15	1/2x10	10	7.50
16	1/2x11	11	8.50
17	1/2x12	12	9.00
18	1/2x13	13	9.50
19	1/2x14	14	10.00
20	1/2x15	15	10.50
21	1/2x16	16	11.00
22	1/2x17	17	11.50
23	1/2x18	18	12.00
24	1/2x19	19	12.50
25	1/2x20	20	13.00
26	1/2x25	25	15.50
27	1/2x30	30	17.50
28	1/2x35	35	21.00
29	1/2x40	40	24.00
30	1/2x45	45	26.50
31	1/2x50	50	28.50

"T" Type Slotting Bit



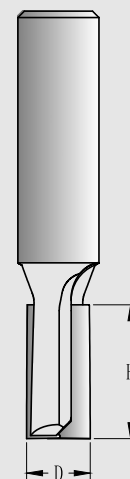
No.	Size	Z	D	H
1	1/4x2	2	31.5	2
2	1/4x2.5	2	31.5	2.5
3	1/4x3	2	31.5	3
4	1/4x3.5	2	31.5	3.5
5	1/4x4	2	31.5	4
6	1/4x4.5	2	31.5	4.5
7	1/4x5	2	31.5	5
8	1/4x6	2	31.5	6
9	1/4x6.5	2	31.5	6.5
10	1/4x7	2	31.5	7
11	1/4x8	2	31.5	8
12	1/4x9	2	31.5	9
13	1/2x2	2	31.5	2
14	1/2x2.5	2	31.5	2.5
15	1/2x2.5	2	37	2.5
16	1/2x3	2	31.5	3
17	1/2x3	2	37	3
18	1/2x3.5	2	31.5	3.5
19	1/2x3.5	2	37	3.5
20	1/2x4	2	31.5	4
21	1/2x4	2	37	4
22	1/2x4.5	2	31.5	4.5
23	1/2x4.5	2	37	4.5
24	1/2x5	2	31.5	6
25	1/2x5	2	40	5
26	1/2x6	2	31.5	6
27	1/2 x 6	2	40	6
28	1/2 x 6.5	2	31.5	6.5
29	1/2 x 6.5	2	40	6.5
30	1/2 x 7	2	31.5	7
31	1/2 x 7	2	40	7
32	1/2 x 8	2	31.5	8
33	1/2 x 8	2	40	8
34	1/2 x 9	2	31.5	9
35	1/2 x 9	2	40	9
36	1/2x 10	2	31.5	10
37	1/2 x 10	2	40	10
38	1/2 x 12	2	31.50	12
39	1/2 x12	2	40	12
40	1/2 x 14	2	31.50	14
41	1/2 x 14	2	40	14
42	1/2 x15	2	31.50	15
43	1/2 x 15	2	40	15
44	1/2 x 16	2	31.5	16
45	1/2x16	2	40	16

Cleaning Bottom Bit



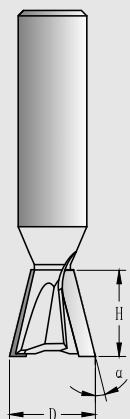
No.	Size	Z	D	H
1	1/4x9	2	9.00	9.00
2	1/4x10	2	10.00	10.00
3	1/4x11	2	11.00	10.00
4	1/4x12	2	12.00	10.00
5	1/4x14	2	14.00	13.00
6	1/4x15	2	15.00	13.00
7	1/4x17	2	17.00	13.00
8	1/4x18	2	18.00	13.00
9	1/4x20	2	20.00	13.00
10	1/4x21	2	21.00	13.00
11	1/4x22	2	22.00	13.00
12	1/4x23	2	23.00	13.00
13	1/2x9	2	9.00	9.00
14	1/2x10	2	10.00	10.00
15	1/2x11	2	11.00	10.00
16	1/2x12	2	12.00	10.00
17	1/2x14	2	14.00	13.00
18	1/2x15	2	15.00	13.00
19	1/2x17	2	17.00	13.00
20	1/2x18	2	18.00	13.00
21	1/2x20	2	20.00	13.00
22	1/2x21	2	21.00	13.00
23	1/2x22	2	22.00	13.00
24	1/2x23	2	23.00	13.00
25	1/2x24	2	24.00	13.00
26	1/2x25	2	25.00	13.00
27	1/2x26	2	26.00	15.00
28	1/2x28	2	28.00	17.00
29	1/2x30	2	30.00	17.00
30	1/2x32	2	32.00	17.00
31	1/2x35	2	35.00	15.00
32	1/2x38	2	38.00	15.00
33	1/2x40	2	40.00	15.00
34	1/2x44	2	44.00	15.00
35	1/2x45	2	45.00	15.00
36	1/2x50	2	50.00	15.00
37	1/2x20	2	20.00	15.00
38	1/2x30	2	30.00	15.00
39	1/2x32	2	32.00	15.00
40	1/2x35	2	35.00	15.00
41	1/2x40	2	40.00	15.00
42	1/2x15	2	15.00	15.00
43	1/2x50	2	50.00	15.00

Long Blade Cleaning Bottom Bit



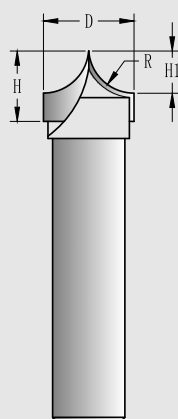
No.	Size	D	H
1	1/2x9mmx20	9.00	20.00
2	1/2x10mmx18	10.00	18.00
3	1/2x10mmx20	10.00	20.00
4	1/2x10mmx25	10.00	25.00
5	1/2x10mmx30	10.00	30.00
6	1/2x11mmx20	11.00	20.00
7	1/2x12mmx20	12.00	20.00
8	1/2x12mmx25	12.00	25.00
9	1/2x13mmx20	13.00	20.00
10	1/2x14mmx20	14.00	20.00
11	1/2x15mmx20	15.00	20.00
12	1/2x17mmx20	17.00	20.00
13	1/2x18mmx20	18.00	20.00
14	1/2x20mmx20	20.00	20.00
15	1/2x21mmx20	21.00	20.00
16	1/2x22mmx20	22.00	20.00
17	1/2x23mmx20	23.00	20.00
18	1/2x24mmx20	24.00	20.00
19	1/2x25mmx20	25.00	20.00
20	1/2x26mmx20	26.00	20.00
21	1/2x28mmx20	28.00	20.00
22	1/2x30mmx20	30.00	20.00
23	1/2x32mmx20	32.00	20.00
24	1/2x35mmx20	35.00	20.00
25	1/2x38mmx20	38.00	20.00
26	1/2x40mmx20	40.00	20.00
27	1/2x44mmx20	44.00	20.00
28	1/2x45mmx20	45.00	20.00
29	1/2x50mmx20	50.00	20.00
30	1/2x10mmx20	10.00	20.00
31	1/2x12mmx20	12.00	20.00
32	1/2x15mmx20	15.00	20.00

Dovetail Bit



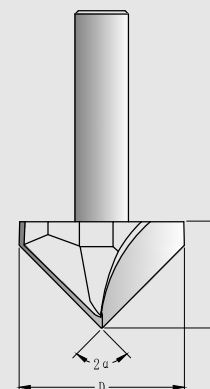
No.	Size	D	α	H
1	1/4x3/8	9.52	8°	10.00
2	1/4x1/2	12.70	8°	13.00
3	1/4x5/8	15.90	14°	16.00
4	1/4x3/4	19.05	14°	20.00
5	1/4x7/8	22.20	14°30'	23.00
6	1/2x3/8	9.52	8°	10.00
7	1/2x1/2	12.70	8°	13.00
8	1/2x5/8	15.90	14°	16.00
9	1/2x3/4	19.05	14°	20.00
10	1/2x7/8	22.20	14°30'	23.00
11	1/2x1	25.40	14°30'	26.00
12	1/2x1-1/8	28.60	14°30'	29.00
13	1/2x1-1/4	31.75	14°30'	30.00
14	1/2x1-1/2	38.10	14°30'	30.00

Carving Bit



No.	Size	D	R	H	H1
1	1/4x1/4	6.35	3.17	7.50	2.50
2	1/4x5/16	7.96	3.96	8.10	3.13
3	1/4x3/8	9.52	4.76	8.77	3.77
4	1/4x1/2	12.70	6.35	10.02	5.02
5	1/4x5/8	15.90	7.96	11.30	6.30
6	1/4x3/4	19.05	9.52	14.00	7.50
7	1/4x7/8	22.20	11.10	15.20	8.70
8	1/2x1/4	6.35	3.17	7.50	2.50
9	1/2x5/16	7.96	3.96	8.10	3.13
10	1/2x3/8	9.52	4.76	8.77	3.77
11	1/2x1/2	12.70	6.35	10.02	5.02
12	1/2x5/8	15.90	7.96	11.30	6.30
13	1/2x3/4	19.05	9.52	14.00	7.50
14	1/2x7/8	22.20	11.10	15.20	8.70
15	1/2x1	25.40	12.70	16.50	10.00
16	1/2x1-1/8	28.60	14.30	17.00	10.50
17	1/2x1-1/4	31.80	15.90	18.00	11.50
18	1/2x1-3/8	34.90	17.45	20.00	13.50
19	1/2x1-1/2	38.10	19.05	21.00	14.50
20	1/2x1-5/8	41.28	20.64	22.50	16.00
21	1/2x1-3/4	44.45	22.20	24.00	17.50
22	1/2x2	50.80	25.40	28.50	22.00

"V" Type Slotting Bit



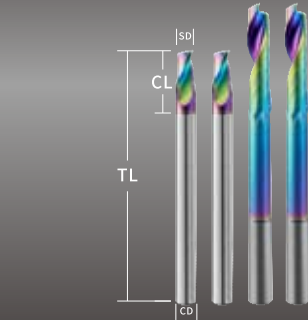
No.	Size	D	H	2α
1	1/2 x7/8	22.22	26.79	45°
2	1/2 x19/32	15.08	18.20	45°
3	1/4 x19/32	15.08	18.20	45°
4	1/4 x 1/2	12.70	10.90	60°
5	1/4 x9/16	14.28	12.36	60°
6	1/4 x5/8	15.90	13.76	60°
7	1/4 x 3/4	19.05	16.48	60°
8	1/2 x 1/2	12.70	10.90	60°
9	1/2 x 9/16	14.28	12.36	60°
10	1/2 x5/8	15.90	13.76	60°
11	1/2 x 3/4	19.05	16.48	60°
12	1/4x3/8	9.52	9.52	90°
13	1/4x1/2	12.70	12.70	90°
14	1/4x5/8	15.90	15.90	90°
15	1/4x3/4	19.05	17.50	90°
16	1/4x7/8	22.20	22.20	90°
17	1/2x3/8	9.52	9.52	90°
18	1/2x1/2	12.70	12.70	90°
19	1/2x5/8	15.90	15.90	90°
20	1/2x3/4	19.05	17.50	90°
21	1/2x7/8	22.20	22.00	90°
22	1/2x1	25.40	25.40	90°
23	1/2x1-1/8	28.60	26.00	90°
24	1/2x1-1/4	31.75	25.50	90°
25	1/2x1-3/8	34.90	25.00	90°
26	1/2x1-1/2	38.10	25.00	90°
27	1/2x1-3/4	44.50	30.00	90°
28	1/2x2	50.80	30.00	90°
29	1/2 x22	22.00	16.50	120°
30	1/2 x32	32.00	18.00	120°
31	1/2 x40	40.00	20.00	120°
32	1/2 x50	50.00	22.00	120°
33	1/2 x63	63.00	24.00	120°
34	1/2x22	22.00	13.00	150°
35	1/2x32	32.00	14.00	150°
36	1/2x42	42.00	16.00	150°
37	1/2x50	50.00	17.00	150°
38	1/2x63	63.00	18.00	150°

Engraving Bit



No.	Specification	TYPE
1	3.175*17*38	1-Flute Spiral (Wood)
2	4*22*45	1-Flute Spiral (Wood)
3	6*22*50	1-Flute Spiral (Wood)
4	3.175*30*0.2*33	V-point (Wood)
5	4*30*0.4*45	V-point (Wood)
6	6*30*0.4*50	V-point (Wood)
7	6*30*0.4*60	V-point (Wood)
8	3.175*22*45	Ballnose Tip Spiral (Wood)
9	4*22*45	Ballnose Tip Spiral (Wood)
10	6*22*50	Ballnose Tip Spiral (Wood)
11	3.175*17*38	2- Flute Spiral (Wood)
12	4*17*40	2- Flute Spiral (Wood)
13	4*22*45	2- Flute Spiral (Wood)
14	6*22*50	2- Flute Spiral (Wood)
15	3.175*22*45	Straight (Wood)
16	4*22*45	Straight (Wood)
17	6*22*50	Straight (Wood)
18	6*15*R0.5*60	Tapered Ball Tip Spiral (Wood)
19	6*15*R0.5*100	Tapered Ball Tip Spiral (Wood)
20	8*15*R0.5*80	Tapered Ball Tip Spiral (Wood)
21	8*15*R0.5*100	Tapered Ball Tip Spiral (Wood)
22	8*15*R0.5*120	Tapered Ball Tip Spiral (Wood)
23	3.175*22*45	1-Flute Spiral (Plastic & Acrylic)
24	4*22*45	1-Flute Spiral (Plastic & Acrylic)
25	6*22*50	1-Flute Spiral (Plastic & Acrylic)
26	3.175*22*45	2-Flute Spiral (Plastic & Acrylic)
27	4*22*45	2-Flute Spiral (Plastic & Acrylic)
28	6*22*50	2-Flute Spiral (Plastic & Acrylic)

Aluminum Milling Bit



Material

Machine: Gantry milling machine, CNC centre, engraving machine
Feature: Made from solid carbide alloy, featuring a single flute with large chip evacuation grooves
Advantage: Sharp edge, smooth chip evacuation, superior surface finish

NO.	SD	CD	CL	TL	Z
01	8	8	30/60	100	1F
02	8	8	30	100	1F
03	8	6	16/45	90	1F
04	8	6	16/45	100	1F
05	8	6	14	60	1F
06	8	5	16/45	100	1F
07	8	5	14/38	90	1F
08	8	5	14	60	1F
09	10	8	14	80	1F
10	10	10	35(45)	100	1F
11	10	10	30	100	1F
12	10	10	25	75	3F(U型槽)
13	10	10	14	120	1F