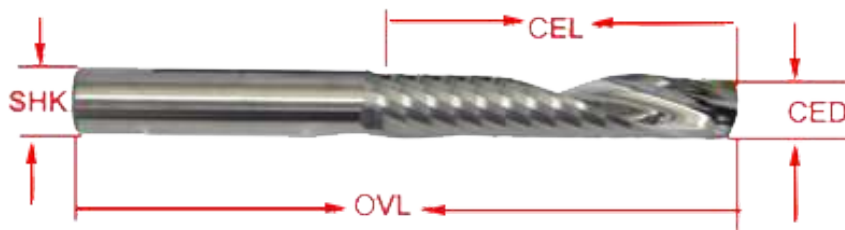


Carbide One Flute Spiral Bits for Wood (A series)



Material: Tungsten cobalt alloy

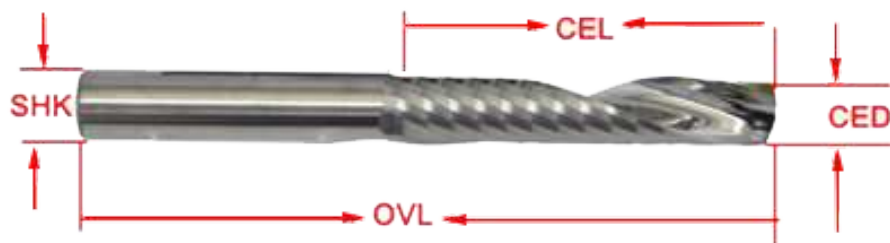
Applicable: Solid wood, MDF , Multilayer board and so on

parameters: spindle speed 20000-24000 rpm, the feed rate of up to 6-8 M / min

Size	CED	CEL	SHK	OVL
D1.5*7*D3.175*38.5	1.5	7	3.175	38.5
D1.5*12*D3.175*38.5	1.5	12	3.175	38.5
D2*8*D3.175*38.5	2	8	3.175	38.5
D2*10*D3.175*38.5	2	10	3.175	38.5
D2*12*D3.175*38.5	2	12	3.175	38.5
D2*15*D3.175*38.5	2	15	3.175	38.5
D2*17*D3.175*38.5	2	17	3.175	38.5
D2.5*12*D3.175*38.5	2.5	12	3.175	38.5
D2.5*15*D3.175*38.5	2.5	15	3.175	38.5
D2.5*17*D3.175*38.5	2.5	17	3.175	38.5
D2.5*22*D3.175*45	2.5	22	3.175	45
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*45	3.175	22	3.175	45
D3.175*25*D3.175*50	3.175	25	3.175	50
D3.175*28*D3.175*50	3.175	28	3.175	50
D3.175*32*D3.175*55	3.175	32	3.175	55
D4*12*D4*45	4	12	4	45
D4*15*D4*45	4	15	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D4*25*D4*50	4	25	4	50
D4*28*D4*50	4	28	4	50
D4*32*D4*55	4	32	4	55
D4*42*D4*65	4	42	4	65

D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*28*D6*60	6	28	6	60
D6*32*D6*60	6	32	6	60
D6*35*D6*65	6	35	6	65
D6*38*D6*70	6	38	6	70
D6*42*D6*70	6	42	6	70
D6*52*D6*80	6	52	6	80
D8*22*D8*60	8	22	8	60
D8*25*D8*60	8	25	8	60
D8*32*D8*60	8	32	8	60
D8*42*D8*75	8	42	8	75
D8*52*D8*85	8	52	8	85
D8*62*D8*100	8	62	8	100

Carbide One Flute Spiral Bits for Acrylic (A2 series)



Material: Tungsten cobalt alloy

Applicable: Cutting Acrylic, PVC , Plastic , High surface finish. Can be use to cut Wood, Multilayer plywood , MDF

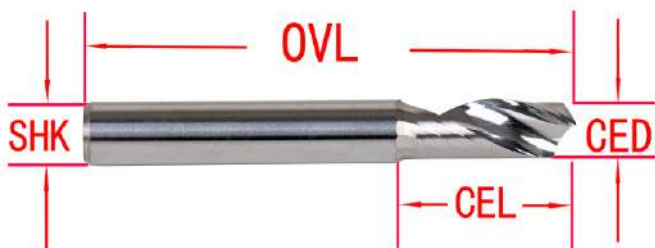
parameters: spindle speed 20000-24000 rpm, feed speed 1-10m / min according to different specifications

Size	CED	CEL	SHK	OVL
D1*3*D3.175*38.5	1	3	3.175	38.5
D1*4*D3.175*38.5	1	4	3.175	38.5
D1.5*4*D3.175*38.5	1.5	4	3.175	38.5
D1.5*7*D3.175*38.5	1.5	7	3.175	38.5
D1.5*12*D3.175*38.5	1.5	12	3.175	38.5
D2*4*D3.175*38.5	2	4	3.175	38.5
D2*6*D3.175*38.5	2	6	3.175	38.5
D2*8*D3.175*38.5	2	8	3.175	38.5
D2*10*D3.175*38.5	2	10	3.175	38.5
D2*12*D3.175*38.5	2	12	3.175	38.5
D2*15*D3.175*38.5	2	15	3.175	38.5
D2*17*D3.175*38.5	2	17	3.175	38.5
D2*22*D3.175*45	2	22	3.175	45
D2.5*4*D3.175*38.5	2.5	4	3.175	38.5
D2.5*6*D3.175*38.5	2.5	6	3.175	38.5
D2.5*8*D3.175*38.5	2.5	8	3.175	38.5
D2.5*10*D3.175*38.5	2.5	10	3.175	38.5

D2.5*12*D3.175*38.5	2.5	12	3.175	38.5
D2.5*15*D3.175*38.5	2.5	15	3.175	38.5
D2.5*17*D3.175*38.5	2.5	17	3.175	38.5
D2.5*22*D3.175*45	2.5	22	3.175	45
D3.175*6*D3.175*38.5	3.175	6	3.175	38.5
D3.175*8*D3.175*38.5	3.175	8	3.175	38.5
D3.175*10*D3.175*38.5	3.175	10	3.175	38.5
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*20*D3.175*45	3.175	20	3.175	45
D3.175*22*D3.175*45	3.175	22	3.175	45
D3.175*25*D3.175*50	3.175	25	3.175	50
D3.175*28*D3.175*50	3.175	28	3.175	50
D3.175*32*D3.175*55	3.175	32	3.175	55
D3.175*42*D3.175*70	3.175	42	3.175	70
D3.175*52*D3.175*75	3.175	52	3.175	75
D4*8*D4*45	4	8	4	45
D4*12*D4*45	4	12	4	45
D4*15*D4*45	4	15	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D4*25*D4*50	4	25	4	50
D4*28*D4*50	4	28	4	50
D4*32*D4*55	4	32	4	55
D4*42*D4*70	4	42	4	70
D4*52*D4*75	4	52	4	75
D5*12*D5*50	5	12	5	50
D5*17*D5*50	5	17	5	50
D5*22*D5*50	5	22	5	50
D5*25*D5*50	5	25	5	50
D5*28*D5*55	5	28	5	55
D5*32*D5*55	5	32	5	55
D5*42*D5*70	5	42	5	70
D5*52*D5*80	5	52	5	80
D6*12*D6*50	6	12	6	50
D6*15*D6*50	6	15	6	50
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*28*D6*60	6	28	6	60
D6*32*D6*60	6	32	6	60
D6*42*D6*70/75	6	42	6	70/75
D6*52*D6*80/85	6	52	6	80/85
D6*62*D6*100	6	62	6	100
D6.35*22*D6.35*50	6.35	22	6.35	50
D6.35*25*D6.35*50	6.35	25	6.35	50
D6.35*28*D6.35*60	6.35	28	6.35	60
D6.35*32*D6.35*60	6.35	32	6.35	60
D8*22*D8*60	8	22	8	60
D8*25*D8*60	8	25	8	60
D8*32*D8*60	8	32	8	60
D8*42*D8*75	8	42	8	75
D8*52*D8*85/90	8	52	8	85/90
D8*62*D8*100	8	62	8	100
D10*32*D10*75	10	32	10	75
D10*42*D10*85	10	42	10	85

D10*52*D10*100	10	52	10	100
D10*62*D10*120	10	62	10	120
D12*32*D12*75	12	32	12	75
D12*42*D12*85	12	42	12	85
D12*52*D12*100	12	52	12	100
D12*62*D12*120	12	62	12	120

Carbide One Flute Spiral Bits for Aluminium (A2 Series)

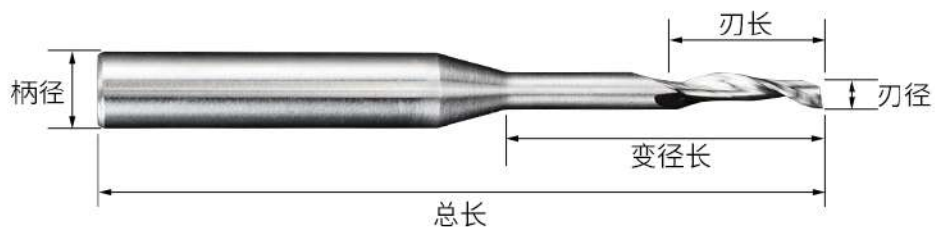


Applicable: Aluminium Alloy, Copper Alloy, Magnesium Alloy. Low power spindle, high speed rotation above 16000 per minute processing.

Features: The cutter is specifically designed for high-speed cutting of aluminium, copper and gold, etc, with excellent finish.

Size	CED	CEL	SHK	OVL
D1*3*D3.175*38	1	3	3.175	38
D1.5*5*D3.175*38	1.5	5	3.175	38
D2*4*D3.175*38	2	4	3.175	38
D2*6*D3.175*38	2	6	3.175	38
D2*8*D3.175*38	2	8	3.175	38
D2.5*4*D3.175*38	2.5	4	3.175	38
D2.5*6*D3.175*38	2.5	6	3.175	38
D2.5*8*D3.175*38	2.5	8	3.175	38
D3.175*6*D3.175*38	3.175	6	3.175	38
D3.175*7*D3.175*38	3.175	7	3.175	38
D3.175*12*D3.175*38	3.175	12	3.175	38
D3.175*17*D3.175*38	3.175	17	3.175	38
D4*8*D4*45	4	8	4	45
D4*10*D4*45	4	10	4	45
D4*12*D4*45	4	12	4	45
D4*15*D4*45	4	15	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D6*12*D6*50	6	12	6	50
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D8*22*D8*60	8	22	8	60
D8*25*D8*60	8	25	8	60
D10*25*D10*75	10	25	10	75

D10*32*D10*75	10	32	10	75
D10*42*D10*85	10	42	10	85
D12*35*D12*75	12	35	12	75
D12*42*D12*80	12	42	12	80

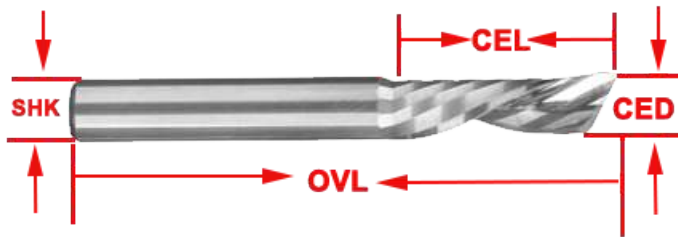


Side/HSS One Flue Router Bits for Aluminium Doors And Windows

Applicable: spindle
 speed: 8000 rpm suitable
 for processing
 materials: aluminium alloy

Size	CED	CEL	SHK	OVL
D3*12*D8*60	3	12	8	60
D4*14*D8*60	4	14	8	60
D5*14*D8*60	5	14	8	60
D6*14*D8*60	6	14	8	60
D7*14*D8*60	7	14	8	60
D4*14(35)*D8*80	4	14(35)	8	80
D5*14(35)*D8*80	5	14(35)	8	80
D6*14(35)*D8*80	6	14(35)	8	80
D7*14(35)*D8*80	7	14(35)	8	80
D8*14*D8*80	8	14	8	80
D8*16*D8*100	8	16	8	100
D8*30*D8*100	8	30	8	100
D8*30(70)*D8*100	8	30(70)	8	100
D8*30*D8*120	8	30	8	120
D8*14*D10*80	8	14	10	80
D10*14*D10*80	10	14	10	80
D10*30*D10*100	10	30	10	100
D10*30*D10*120	10	30	10	120
D12*16*D12*80	12	16	12	80
D12*30*D12*100	12	30	12	100
D12*30*D12*120	12	30	12	120

Carbide One Flute Down Cut Spiral Bits (A2 series)



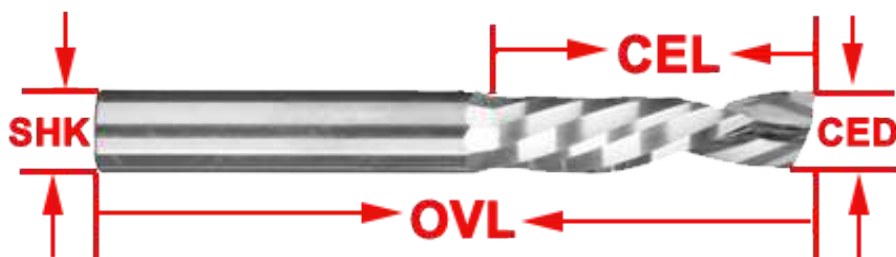
Applicable: Plywood, Acrylic, PVC, Resin, Aluminum-plastic board, density board.

Feature: special grinding and high-capacity flutes, have made it no crumbss attached, low heat and high-quality finish under high-speed cutting. it's been widely applies to the industries such as crafts electronics, advertising, decoration and wood processing, specially suitable for batch processing with high requirement.

Size	CED	CEL	SHK	OVL
D1*3*D3.175*38.5	1	3	3.175	38.5
D1.5*4*D3.175*38.5	1.5	4	3.175	38.5
D1.5*7*D3.175*38.5	1.5	7	3.175	38.5
D1.5*12*D3.175*38.5	1.5	12	3.175	38.5
D2*4*D3.175*38.5	2	4	3.175	38.5
D2*6*D3.175*38.5	2	6	3.175	38.5
D2*8*D3.175*38.5	2	8	3.175	38.5
D2*12*D3.175*38.5	2	12	3.175	38.5
D2*15*D3.175*38.5	2	15	3.175	38.5
D2*17*D3.175*38.5	2	17	3.175	38.5
D2.5*6*D3.175*38.5	2.5	6	3.175	38.5
D2.5*8*D3.175*38.5	2.5	8	3.175	38.5
D2.5*12*D3.175*38.5	2.5	12	3.175	38.5
D2.5*17*D3.175*38.5	2.5	17	3.175	38.5
D3.175*8*D3.175*38.5	3.175	8	3.175	38.5
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*45	3.175	22	3.175	45
D3.175*25*D3.175*50	3.175	25	3.175	50
D3.175*28*D3.175*50	3.175	28	3.175	50
D3.175*32*D3.175*55	3.175	32	3.175	55
D4*12*D4*45	4	12	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D4*25*D4*50	4	25	4	50
D4*28*D4*50	4	28	4	50
D4*32*D4*55	4	32	4	55
D5*12*D5*50	5	12	5	50
D5*17*D5*50	5	17	5	50
D5*22*D5*50	5	22	5	50
D5*25*D5*50	5	25	5	50
D5*28*D5*55	5	28	5	55
D5*32*D5*55	5	32	5	55
D6*17*D6*50	6	17	6	50

D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*32*D6*60	6	32	6	60
D6*42*D6*75	6	42	6	75
D8*25*D8*60	8	25	8	60
D8*32*D8*65	8	32	8	65
D8*42*D8*75	8	42	8	75

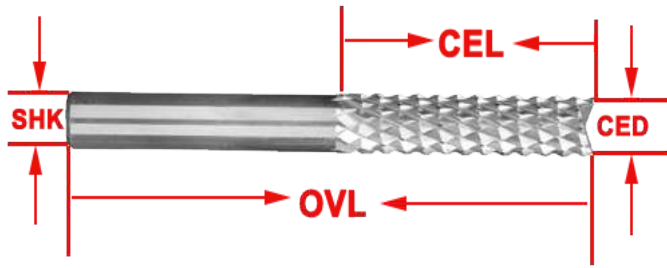
Carbide Compression (Up&down Cut) One Flute Spiral Bits



Applicable: PVC, Lotus board, Soft wood and all kinds of Composite board.

Size	CED	CEL	SHK	OVL
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*45	3.175	22	3.175	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D4*25*D4*50	4	25	4	50
D4*32*D4*60	4	32	4	60
D5*17*D5*50	5	17	5	50
D5*22*D5*50	5	22	5	50
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*32*D6*60	6	32	6	60
D8*25*D8*60	8	25	8	60
D8*35*D8*70	8	35	8	70
D8*45*D8*80	8	45	8	80
D10*35*D10*75	10	35	10	75
D10*45*D10*90	10	45	10	90
D10*52*D10*100	10	52	10	100

Carbide Corn Teeth End Mills for PCB

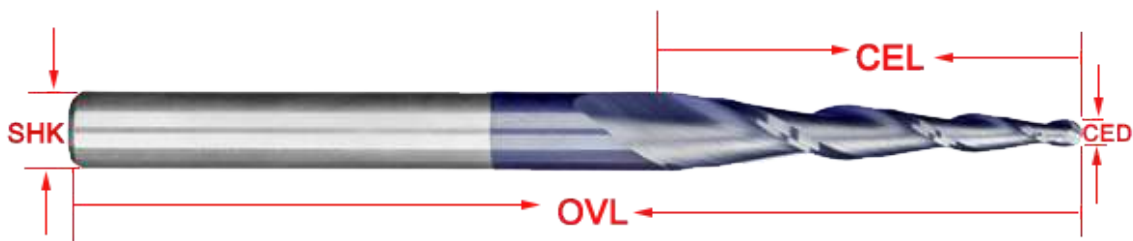


Applicable: Circuit board, High density fiber board (HDF), Hard wood, Carbon fiber, Fiber glass, HDF composite board.

Size	CED	CEL	SHK	OVL
D0.4*3*D3.175*38.5	0.4	3	3.175	38.5
D0.5*3*D3.175*38.5	0.5	3	3.175	38.5
D0.6*4*D3.175*38.5	0.6	4	3.175	38.5
D0.7*4*D3.175*38.5	0.7	4	3.175	38.5
D0.8*5*D3.175*38.5	0.8	5	3.175	38.5
D0.9*6*D3.175*38.5	0.9	6	3.175	38.5
D1*7*D3.175*38.5	1.0	7	3.175	38.5
D1.2*7*D3.175*38.5	1.2	7	3.175	38.5
D1.4*8*D3.175*38.5	1.4	8	3.175	38.5
D1.5*8*D3.175*38.5	1.5	8	3.175	38.5
D1.8*9*D3.175*38.5	1.8	9	3.175	38.5
D2*10*D3.175*38.5	2.0	10	3.175	38.5
D2.5*12*D3.175*38.5	2.5	12	3.175	38.5
D3*12*D3.175*38.5	3	12	3.175	38.5
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*45	3.175	22	3.175	45
D3.175*25*D3.175*45	3.175	25	3.175	45
D4*12*D4*45	4	12	4	45
D4*15*D4*45	4	15	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D4*25*D4*50	4	25	4	50
D4*28*D4*50	4	28	4	50
D4*32*D4*55	4	32	4	55
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*28*D6*60	6	28	6	60
D6*32*D6*60	6	32	6	60
D6*42*D6*75	6	42	6	75

D6*52*D6*85	6	52	6	85
D6*62*D6*100	6	62	6	100
D8*25*D8*60	8	25	8	60
D8*32*D8*60	8	32	8	60
D8*35*D8*75	8	35	8	75
D8*42*D8*75	8	42	8	75
D8*52*D8*90	8	52	8	90
D10*42*D10*75	10	42	10	75
D10*52*D10*100	10	52	10	100
D12*42*D12*75	12	42	12	75
D12*55*D12*100	12	55	12	100

Carbide Two Flutes Spiral Tapered Ball Nose End Mills

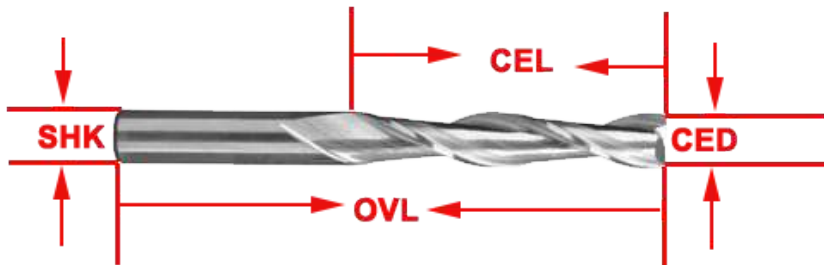


Applicable: Aluminum, plastic, plastic part, copper parts, aluminium alloy, stainless steel mould, wood

Size	R 1/2CED	CEL	SHK	OVL
R0.25*15*D3.175*38.5	R0.25	15	3.175	38.5
R0.5*15*D3.175*38.5	R0.5	15	3.175	38.5
R0.75*15*D3.175*38.5	R0.75	15	3.175	38.5
R1*15*D3.175*38.5	R1	15	3.175	38.5
R0.25*15*D4*50	R0.25	15	4	50
R0.5*15*D4*50	R0.5	15	4	50
R0.75*15*D4*50	R0.75	15	4	50
R1*15*D4*50	R1	15	4	50
R0.25*20.5*D4*50	R0.25	20.5	4	50
R0.5*20.5*D4*50	R0.5	20.5	4	50
R0.75*20.5*D4*50	R0.75	20.5	4	50
R1*20.5*D4*50	R1	20.5	4	50
R0.25*20.5*D6*50	R0.25	20.5	6	50
R0.5*20.5*D6*50	R0.5	20.5	6	50
R0.75*20.5*D6*50	R0.75	20.5	6	50
R1*20.5*D6*50	R1	20.5	6	50

R0.25*30.5*D6*75	R0.25	30.5	6	75
R0.5*30.5*D6*75	R0.5	30.5	6	75
R0.75*30.5*D6*75	R0.75	30.5	6	75
R1*30.5*D6*75	R1	30.5	6	75
R1.5*30.5*D6*75	R1.5	30.5	6	75
R2*30.5*D6*75	R2	30.5	6	75
R0.5*47*D8*85	R0.5	47	8	85
R1*47*D8*85	R1	47	8	85
R1.5*47*D8*85	R1.5	47	8	85
R2*47*D8*85	R2	47	8	85
R0.5*60*D8*100	R0.5	60	8	100
R1*60*D8*100	R1	60	8	100
R1.5*60*D8*100	R1.5	60	8	100
R2*60*D8*100	R2	60	8	100
R2*70*D10*110	R2	70	10	110
R2*70*D12*120	R2	70	12	120

Carbide Two Flutes Spiral Bits



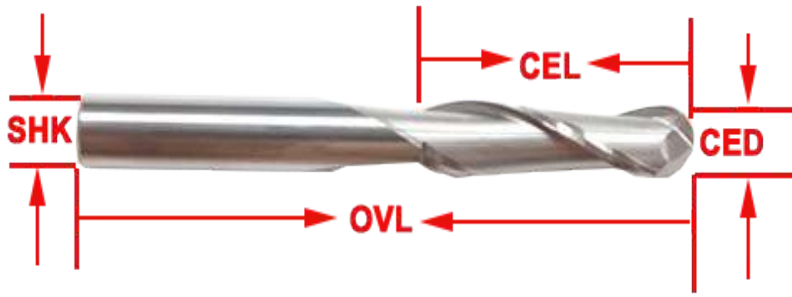
Applicable: Acrylic, PVC, Hardwood

Features: high abrasion resistance, anti-broken. Mainly applies to: acrylic and density wood cutting.

Size	CED	CEL	SHK	OVL
D3.175*8*D3.175*38.5	3.175	8	3.175	38.5
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*38.5	3.175	22	3.175	38.5
D3.175*25*D3.175*45	3.175	25	3.175	45
D3.175*28*D3.175*45	3.175	28	3.175	45
D3.175*32*D3.175*50	3.175	32	3.175	50

D3.175*42*D3.175*65	3.175	42	3.175	65
D3.175*52*D3.175*75	3.175	52	3.175	75
D1*4*D3.175*38.5	1	4	3.175	38.5
D1.5*6*D3.175*38.5	1.5	6	3.175	38.5
D1.5*8*D3.175*38.5	1.5	8	3.175	38.5
D1.5*12*D3.175*38.5	1.5	12	3.175	38.5
D2*8*D3.175*38.5	2	8	3.175	38.5
D2*12*D3.175*38.5	2	12	3.175	38.5
D2*15*D3.175*38.5	2	15	3.175	38.5
D2*17*D3.175*38.5	2	17	3.175	38.5
D2*22*D3.175*45	2	22	3.175	45
D2.5*8*D3.175*38.5	2.5	8	3.175	38.5
D2.5*12*D3.175*38.5	2.5	12	3.175	38.5
D2.5*15*D3.175*38.5	2.5	15	3.175	38.5
D2.5*17*D3.175*38.5	2.5	17	3.175	38.5
D2.5*22*D3.175*45	2.5	22	3.175	45
D4*8*D4*45	4	8	4	45
D4*12*D4*45	4	12	4	45
D4*15*D4*45	4	15	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D4*25*D4*45	4	25	4	45
D4*28*D4*50	4	28	4	50
D4*32*D4*55	4	32	4	55
D4*42*D4*70	4	42	4	70
D4*52*D4*80	4	52	4	80
D5*17*D5*50	5	17	5	50
D5*22*D5*50	5	22	5	50
D5*25*D5*50	5	25	5	50
D5*28*D5*55	5	28	5	55
D5*32*D5*55	5	32	5	55
D6*12*D6*50	6	12	6	50
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*28*D6*60	6	28	6	60
D6*32*D6*60	6	32	6	60
D6*42*D6*70	6	42	6	70
D6*52*D6*80	6	52	6	80
D6*62*D6*100	6	62	6	100
D8*25*D8*60	8	25	8	60
D8*32*D8*60	8	32	8	60
D8*42*D8*75	8	42	8	75
D8*52*D8*85	8	52	8	85
D10*32*D10*75	10	32	10	75
D10*42*D10*85	10	42	10	85
D10*52*D10*100	10	52	10	100
D10*62*D10*110	10	62	10	110

Carbide Two Flutes Ball Nose Spiral Bits

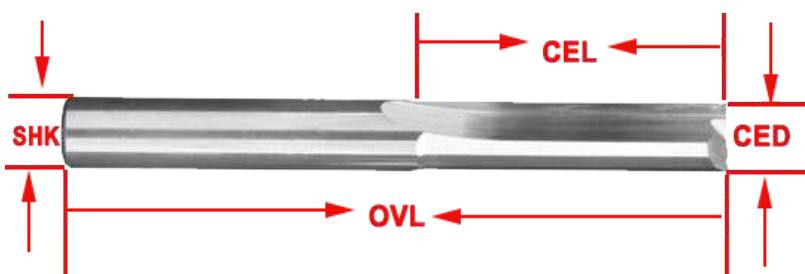


Applicable: Acrylic, PVC, MDF, HARD Wood and so on

Size	CED	CEL	SHK	OVL
D3.175*8*D3.175*38.5	3.175	8	3.175	38.5
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*38.5	3.175	22	3.175	38.5
D3.175*25*D3.175*45	3.175	25	3.175	45
D3.175*28*D3.175*55	3.175	28	3.175	55
D3.175*32*D3.175*55	3.175	32	3.175	55
D1*4*D3.175*38.5	1	4	3.175	38.5
D1.5*7*D3.175*38.5	1.5	7	3.175	38.5
D2*8*D3.175*38.5	2	8	3.175	38.5
D2*12*D3.175*38.5	2	12	3.175	38.5
D2*15*D3.175*38.5	2	15	3.175	38.5
D2*17*D3.175*38.5	2	17	3.175	38.5
D2*22*D3.175*45	2	22	3.175	45
D2.5*8*D3.175*38.5	2.5	8	3.175	38.5
D2.5*12*D3.175*38.5	2.5	12	3.175	38.5
D2.5*15*D3.175*38.5	2.5	15	3.175	38.5
D2.5*17*D3.175*38.5	2.5	17	3.175	38.5
D2.5*22*D3.175*45	2.5	22	3.175	45
D4*12*D4*45	4	12	4	45
D4*15*D4*45	4	15	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D4*25*D4*45	4	25	4	45
D4*28*D4*50	4	28	4	50
D4*32*D4*55	4	32	4	55
D4*42*D4*70	4	42	4	70
D4*52*D4*80	4	52	4	80
D6*12*D6*50	6	12	6	50
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*28*D6*60	6	28	6	60
D6*32*D6*60	6	32	6	60
D6*42*D6*70	6	42	6	70
D6*52*D6*80	6	52	6	80
D8*25*D8*60	8	25	8	60

D8*32*D8*60	8	32	8	60
D8*42*D8*75	8	42	8	75
D8*52*D8*90	8	52	8	90
D10*32*D10*75	10	32	10	75
D10*42*D10*80	10	42	10	80
D10*52*D10*100	10	52	10	100
D10*62*D10*110	10	62	10	110

Carbide Two Flutes Straight Bits



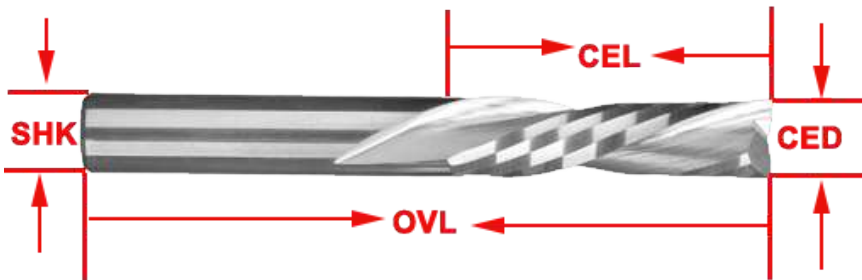
Applicable: 2D engraving, cutting, MDF, hardwood.

Features: The tungsten steel cutter body is specifically for CNC engraving machine processing MDF material, combined with hard cutter body and advanced blade. Durable and strong.

Size	CED	CEL	SHK	OVL
D3.175*8*D3.175*38.5	3.175	8	3.175	38.5
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*45	3.175	22	3.175	45
D3.175*25*D3.175*50	3.175	25	3.175	50
D3.175*28*D3.175*50	3.175	28	3.175	50
D3.175*32*D3.175*55	3.175	32	3.175	55
D1*3*D3.175*38.5	1	3	3.175	38.5
D1.5*4*D3.175*38.5	1.5	4	3.175	38.5
D1.5*7*D3.175*38.5	1.5	7	3.175	38.5
D1.5*12*D3.175*38.5	1.5	12	3.175	38.5
D2*6*D3.175*38.5	2	6	3.175	38.5
D2*8*D3.175*38.5	2	8	3.175	38.5
D2*12*D3.175*38.5	2	12	3.175	38.5
D2*17*D3.175*38.5	2	17	3.175	38.5
D2.5*8*D3.175*38.5	2.5	8	3.175	38.5
D2.5*12*D3.175*38.5	2.5	12	3.175	38.5
D2.5*15*D3.175*38.5	2.5	15	3.175	38.5
D2.5*17*D3.175*38.5	2.5	17	3.175	38.5
D2.5*22*D3.175*45	2.5	22	3.175	45
D4*12*D4*45	4	12	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45

D4*25*D4*45	4	25	4	45
D4*28*D4*50	4	28	4	50
D4*32*D4*55	4	32	4	55
D4*42*D4*65	4	42	4	65
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*28*D6*60	6	28	6	60
D6*32*D6*60	6	32	6	60
D6*42*D6*70	6	42	6	70
D6*52*D6*80	6	52	6	80
D6*62*D6*100	6	62	6	100
D8*25*D8*60	8	25	8	60
D8*32*D8*60	8	32	8	60
D8*42*D8*75	8	42	8	75
D8*52*D8*90	8	52	8	90
D8*62*D8*100	8	62	8	100
D10*32*D10*75	10	32	10	75
D10*42*D10*80	10	42	10	80
D10*52*D10*100	10	52	10	100
D10*62*D10*110	10	62	10	110

Carbide Two Flutes Down Cut Spiral Bits

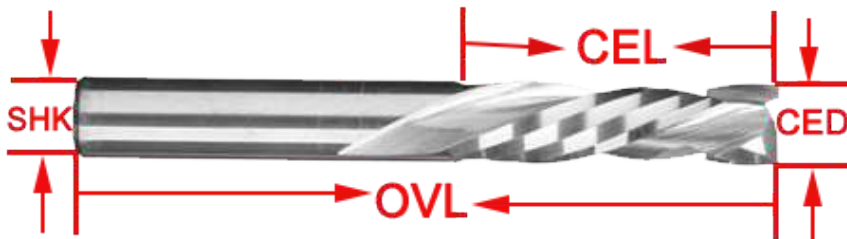


Applicable:MDG、Multilayer、 board Plywood

Size	CED	CEL	SHK	OVL
D1*3*D3.175*38.5	1	3	3.175	38.5
D1.5*7*D3.175*38.5	1.5	7	3.175	38.5
D2*8*D3.175*38.5	2	8	3.175	38.5
D2*12*D3.175*38.5	2	12	3.175	38.5
D2.5*8*D3.175*38.5	2.5	8	3.175	38.5
D2.5*12*D3.175*38.5	2.5	12	3.175	38.5
D2.5*15*D3.175*38.5	2.5	15	3.175	38.5
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*45	3.175	22	3.175	45
D4*12*D4*45	4	12	4	45
D4*15*D4*45	4	15	4	45
D4*17*D4*45	4	17	4	45

D4*22*D4*45	4	22	4	45
D4*25*D4*50	4	25	4	50
D4*28*D4*55	4	28	4	55
D4*32*D4*60	4	32	4	60
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50
D6*25*D6*50	6	25	6	50
D6*28*D6*60	6	28	6	60
D6*32*D6*60	6	32	6	60
D8*25*D8*60	8	25	8	60
D8*32*D8*65	8	32	8	65
D8*35*D8*75	8	35	8	75
D8*42*D8*75	8	42	8	75
D8*45*D8*90	8	45	8	90
D10*35*D10*80	10	35	10	80
D10*45*D10*100	10	45	10	100
D10*55*D10*100	10	55	10	100
D12*45*D12*100	12	45	12	100
D12*55*D12*100	12	55	12	100

Carbide Compressor Up&down Cut Two Flute Spiral Bits (A)

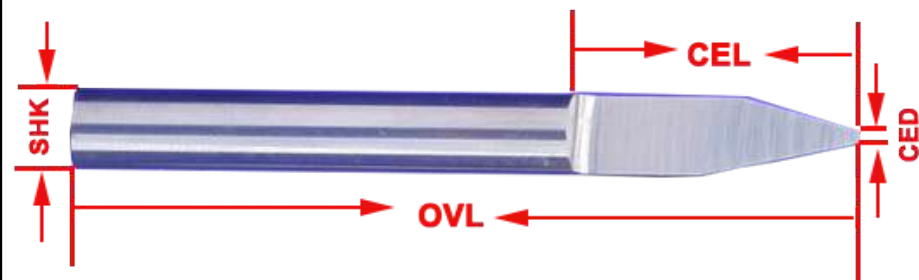


Applicable: MDF, Board with lagging, log.

Size	CED	CEL	SHK	OVL
D3.175*12*D3.175*38.5	3.175	12	3.175	38.5
D3.175*15*D3.175*38.5	3.175	15	3.175	38.5
D3.175*17*D3.175*38.5	3.175	17	3.175	38.5
D3.175*22*D3.175*45	3.175	22	3.175	45
D4*12*D4*45	4	12	4	45
D4*17*D4*45	4	17	4	45
D4*22*D4*45	4	22	4	45
D4*25*D4*50	4	25	4	50
D4*32*D4*60	4	32	4	60
D5*17*D5*50	5	17	5	50
D5*22*D5*50	5	22	5	50
D5*25*D5*50	5	25	5	50
D6*17*D6*50	6	17	6	50
D6*22*D6*50	6	22	6	50

D6*25*D6*50	6	25	6	50
D6*32*D6*60	6	32	6	60
D8*25*D8*60	8	25	8	60
D8*35*D8*70	8	35	8	70
D8*45*D8*80	8	45	8	80
D10*35*D10*75	10	35	10	75
D10*45*D10*90	10	45	10	90
D10*52*D10*100	10	52	10	100

Carbide Flat Bottom engraving bits (Fine grinding and polishing)



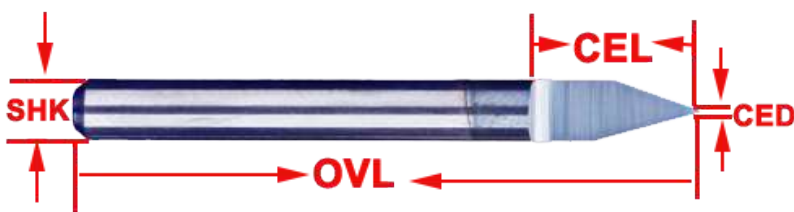
Applicable: Double-color board, ABS, Board, Acrylic, PVC, Aluminum, copper, iron
 Mainly for: 2D&3D engraving, cutting; The panel carving and sheet cutting (such as bi-color panel, ABS architectural models, etc.) Small angle and small blade shall be employed to process small characters and patterns; while bigger one suits bigger. For carving the maximum angle and blade shall be chosen to enhance efficiency. The harder material shall get bigger angle and blade (knife acrylic), say, 45, 60, 90. It can be used for V-shape processing.

Size	ANGLE	CDE	SHK	OVL
A10*D0.1*D3.175*38	10	0.1	3.175	38
A10*D0.2*D3.175*38	10	0.2	3.175	38
A10*D0.3*D3.175*38	10	0.3	3.175	38
A15*D0.1*D3.175*38	15	0.1	3.175	38
A15*D0.2*D3.175*38	15	0.2	3.175	38
A15*D0.3*D3.175*38	15	0.3	3.175	38
A20*D0.1*D3.175*38	20	0.1	3.175	38
A20*D0.2*D3.175*38	20	0.2	3.175	38
A20*D0.3*D3.175*38	20	0.3	3.175	38
A20*D0.4*D3.175*38	20	0.4	3.175	38
A20*D0.5*D3.175*38	20	0.5	3.175	38
A20*D0.8*D3.175*38	20	0.8	3.175	38
A20*D1.0*D3.175*38	20	1.0	3.175	38
A30*D0.1*D3.175*38	30	0.1	3.175	38
A30*D0.2*D3.175*38	30	0.2	3.175	38
A30*D0.3*D3.175*38	30	0.3	3.175	38
A30*D0.4*D3.175*38	30	0.4	3.175	38
A30*D0.5*D3.175*38	30	0.5	3.175	38
A30*D0.8*D3.175*38	30	0.8	3.175	38
A30*D1.0*D3.175*38	30	1.0	3.175	38
A45*D0.1*D3.175*38	45	0.1	3.175	38
A45*D0.2*D3.175*38	45	0.2	3.175	38
A45*D0.3*D3.175*38	45	0.3	3.175	38
A45*D0.4*D3.175*38	45	0.4	3.175	38

A45*D0.5*D3.175*38	45	0.5	3.175	38
A60*D0.1*D3.175*38	60	0.1	3.175	38
A60*D0.2*D3.175*38	60	0.2	3.175	38
A60*D0.3*D3.175*38	60	0.3	3.175	38
A60*D0.4*D3.175*38	60	0.4	3.175	38
A60*D0.5*D3.175*38	60	0.5	3.175	38
A90*D0.1*D3.175*38	90	0.1	3.175	38
A90*D0.2*D3.175*38	90	0.2	3.175	38
A90*D0.3*D3.175*38	90	0.3	3.175	38
A90*D0.4*D3.175*38	90	0.4	3.175	38
A90*D0.5*D3.175*38	90	0.5	3.175	38
A20*D0.1*D4*45	20	0.1	4	45
A20*D0.2*D4*45	20	0.2	4	45
A20*D0.3*D4*45	20	0.3	4	45
A20*D0.4*D4*45	20	0.4	4	45
A20*D0.5*D4*45	20	0.5	4	45
A20*D0.8*D4*45	20	0.8	4	45
A20*D1.0*D4*45	20	1.0	4	45
A30*D0.1*D4*45	30	0.1	4	45
A30*D0.2*D4*45	30	0.2	4	45
A30*D0.3*D4*45	30	0.3	4	45
A30*D0.4*D4*45	30	0.4	4	45
A30*D0.5*D4*45	30	0.5	4	45
A30*D0.8*D4*45	30	0.8	4	45
A30*D1.0*D4*45	30	1.0	4	45
A45*D0.1*D4*45	45	0.1	4	45
A45*D0.2*D4*45	45	0.2	4	45
A45*D0.3*D4*45	45	0.3	4	45
A45*D0.4*D4*45	45	0.4	4	45
A45*D0.5*D4*45	45	0.5	4	45
A45*D0.8*D4*45	45	0.8	4	45
A45*D1.0*D4*45	45	1.0	4	45
A60*D0.1*D4*45	60	0.1	4	45
A60*D0.2*D4*45	60	0.2	4	45
A60*D0.3*D4*45	60	0.3	4	45
A60*D0.4*D4*45	60	0.4	4	45
A60*D0.5*D4*45	60	0.5	4	45
A60*D0.8*D4*45	60	0.8	4	45
A60*D1.0*D4*45	60	1.0	4	45
A90*D0.1*D4*45	90	0.1	4	45
A90*D0.2*D4*45	90	0.2	4	45
A90*D0.3*D4*45	90	0.3	4	45
A90*D0.4*D4*45	90	0.4	4	45
A90*D0.5*D4*45	90	0.5	4	45
A90*D0.8*D4*45	90	0.8	4	45
A90*D1.0*D4*45	90	1.0	4	45
A20*D0.1*D6*50	20	0.1	6	50
A20*D0.2*D6*50	20	0.2	6	50
A20*D0.3*D6*50	20	0.3	6	50
A20*D0.4*D6*50	20	0.4	6	50
A20*D0.5*D6*50	20	0.5	6	50

A20*D0.8*D6*50	20	0.8	6	50
A20*D1.0*D6*50	20	1.0	6	50
A20*D2.0*D6*50	20	2.0	6	50
A30*D0.1*D6*50	30	0.1	6	50
A30*D0.2*D6*50	30	0.2	6	50
A30*D0.3*D6*50	30	0.3	6	50
A30*D0.4*D6*50	30	0.4	6	50
A30*D0.5*D6*50	30	0.5	6	50
A30*D0.8*D6*50	30	0.8	6	50
A30*D1.0*D6*50	30	1.0	6	50
A30*D2.0*D6*50	30	2.0	6	50
A45*D0.1*D6*50	45	0.1	6	50
A45*D0.2*D6*50	45	0.2	6	50
A45*D0.3*D6*50	45	0.3	6	50
A45*D0.4*D6*50	45	0.4	6	50
A45*D0.5*D6*50	45	0.5	6	50
A45*D0.8*D6*50	45	0.8	6	50
A45*D1.0*D6*50	45	1.0	6	50
A60*D0.1*D6*50	60	0.1	6	50
A60*D0.2*D6*50	60	0.2	6	50
A60*D0.3*D6*50	60	0.3	6	50
A60*D0.4*D6*50	60	0.4	6	50
A60*D0.5*D6*50	60	0.5	6	50
A60*D0.8*D6*50	60	0.8	6	50
A60*D1.0*D6*50	60	1.0	6	50
A90*D0.1*D6*50	90	0.1	6	50
A90*D0.2*D6*50	90	0.2	6	50
A90*D0.3*D6*50	90	0.3	6	50
A90*D0.4*D6*50	90	0.4	6	50
A90*D0.5*D6*50	90	0.5	6	50
A90*D0.8*D6*50	90	0.8	6	50
A90*D1.0*D6*50	90	1.0	6	50

Germany Material Coating Metal Flat Bottom Engraving Bits

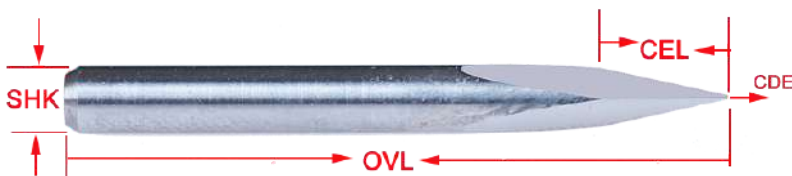


Applicable: Double-color board, ABS, Board, Acrylic, PVC , Aluminum, copper, iron
 Mainly for: 2D&3D engraving, cutting; while bigge one suits biger. For carving the maximum angle and blade shall be chosen to enhance efficiency.

Size	ANGLE	CED	SHK	OVL
------	-------	-----	-----	-----

A20*D0.1*D3.175*38.5	20	0.1	3.175	38.5
A20*D0.2*D3.175*38.5	20	0.2	3.175	38.5
A20*D0.3*D3.175*38.5	20	0.3	3.175	38.5
A20*D0.4*D3.175*38.5	20	0.4	3.175	38.5
A20*D0.5*D3.175*38.5	20	0.5	3.175	38.5
A20*D0.8*D3.175*38.5	20	0.8	3.175	38.5
A20*D1*D3.175*38.5	20	1	3.175	38.5
A30*D0.1*D3.175*38.5	30	0.1	3.175	38.5
A30*D0.2*D3.175*38.5	30	0.2	3.175	38.5
A30*D0.3*D3.175*38.5	30	0.3	3.175	38.5
A30*D0.4*D3.175*38.5	30	0.4	3.175	38.5
A30*D0.5*D3.175*38.5	30	0.5	3.175	38.5
A30*D0.8*D3.175*38.5	30	0.8	3.175	38.5
A30*D1*D3.175*38.5	30	1	3.175	38.5
A45*D0.1*D3.175*38.5	45	0.1	3.175	38.5
A45*D0.2*D3.175*38.5	45	0.2	3.175	38.5
A45*D0.3*D3.175*38.5	45	0.3	3.175	38.5
A45*D0.4*D3.175*38.5	45	0.4	3.175	38.5
A45*D0.5*D3.175*38.5	45	0.5	3.175	38.5
A60*D0.1*D3.175*38.5	60	0.1	3.175	38.5
A60*D0.2*D3.175*38.5	60	0.2	3.175	38.5
A60*D0.3*D3.175*38.5	60	0.3	3.175	38.5
A60*D0.4*D3.175*38.5	60	0.4	3.175	38.5
A60*D0.5*D3.175*38.5	60	0.5	3.175	38.5
A90*D0.1*D3.175*38.5	90	0.1	3.175	38.5
A90*D0.2*D3.175*38.5	90	0.2	3.175	38.5
A90*D0.3*D3.175*38.5	90	0.3	3.175	38.5
A90*D0.4*D3.175*38.5	90	0.4	3.175	38.5
A90*D0.5*D3.175*38.5	90	0.5	3.175	38.5

Carbide Three faces engraving bits

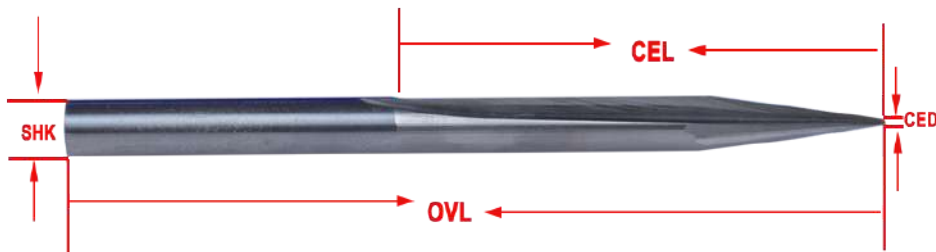


Applicable: Copper, Steel, Marble

Size	ANGLE	CDE	SHK	OVL
A15*D0.1*D3.175*33	15	0.1	3.175	33
A20*D0.1*D3.175*33	20	0.1	3.175	33
A30*D0.1*D3.175*33	30	0.1	3.175	33
A45*D0.1*D3.175*33	45	0.1	3.175	33

A60*D0.1*D3.175*33	60	0.1	3.175	33
A90*D0.1*D3.175*33	90	0.1	3.175	33
A15*D0.1*D3.175*38	15	0.1	3.175	38
A20*D0.1*D3.175*38	20	0.1	3.175	38
A30*D0.1*D3.175*38	30	0.1	3.175	38
A45*D0.1*D3.175*38	45	0.1	3.175	38
A60*D0.1*D3.175*38	60	0.1	3.175	38
A90*D0.1*D3.175*38	90	0.1	3.175	38
A20*D0.1*D4*45	20	0.1	4	45
A30*D0.1*D4*45	30	0.1	4	45
A45*D0.1*D4*45	45	0.1	4	45
A60*D0.1*D4*45	60	0.1	4	45
A90*D0.1*D4*45	90	0.1	4	45
A30*D0.1*D6*50	30	0.1	6	50
A45*D0.1*D6*50	45	0.1	6	50
A60*D0.1*D6*50	60	0.1	6	50
A90*D0.1*D6*50	90	0.1	6	50

Carbide Two Straight Radius Bottom Engraving Bits



Applicable: Single head or multi-head CNC machine deep relief engraving (MDF, WOOD AND SO ON)

Size	1/2 CED	CEL	SHK	OVL
R0.5*25*D6*60	R0.5	25	6	60
R0.75*25*D6*60	R0.75	25	6	60
R1*25*D6*60	R1	25	6	60
R1.5*25*D6*60	R1.5	25	6	60
R2*25*D6*60	R2	25	6	60
R0.5*30*D6*70	R0.5	30	6	70
R0.75*30*D6*70	R0.75	30	6	70
R1*30*D6*70	R1	30	6	70
R1.5*30*D6*70	R1.5	30	6	70
R2*30*D6*70	R2	30	6	70
R0.5*35*D6*80	R0.5	35	6	80
R0.75*35*D6*80	R0.75	35	6	80

R1*35*D6*80	R1	35	6	80
R1.5*35*D6*80	R1.5	35	6	80
R2*35*D6*80	R2	35	6	80
R0.5*45*D6*100	R0.5	45	6	100
R0.75*45*D6*100	R0.75	45	6	100
R1*45*D6*100	R1	45	6	100
R1.5*45*D6*100	R1.5	45	6	100
R2*45*D6*100	R2	45	6	100

3D Router Bits



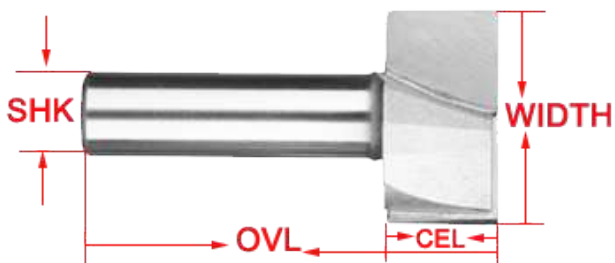
Applicable: Acrylic, PVC, Density board, Hard wood

Main function: v-groove, 3D chamfering, v-type 3D;3D engraving has been widely used in the advertising industry. Make sure the table is on horizontal position when doing 3D engraving. Such cutter must be with its blade wider than 10 mm and is usually being welded with the cutter body. The wider the blade, the lower the precision. Cutter blade wide than 32mm is not suitable for small power motor.

Size	WIDTH	ANGLE	SHK
D16*A60*D6	16	60	6
D16*A90*D6	16	90	6
D16*A120*D6	16	120	6
D16*A135*D6	16	135	6
D16*A150*D6	16	150	6
D22*A60*D6	22	60	6
D22*A90*D6	22	90	6
D22*A120*D6	22	120	6
D22*A135*D6	22	135	6
D22*A150*D6	22	150	6
D32*A60*D6	32	60	6
D32*A90*D6	32	90	6
D32*A120*D6	32	120	6

D32*A135*D6	32	135	6
D32*A150*D6	32	150	6
D16*A60*D8	16	60	8
D16*A90*D8	16	90	8
D16*A120*D8	16	120	8
D16*A135*D8	16	135	8
D16*A150*D8	16	150	8
D22*A60*D8	22	60	8
D22*A90*D8	22	90	8
D22*A120*D8	22	120	8
D22*A135*D8	22	135	8
D22*A150*D8	22	150	8
D32*A60*D8	32	60	8
D32*A90*D8	32	90	8
D32*A120*D8	32	120	8
D32*A135*D8	32	135	8
D32*A150*D8	32	150	8
D16*A60*D12.7	16	60	12.7
D16*A90*D12.7	16	90	12.7
D16*A120*D12.7	16	120	12.7
D16*A135*D12.7	16	135	12.7
D16*A150*D12.7	16	150	12.7
D22*A60*D12.7	22	60	12.7
D22*A90*D12.7	22	90	12.7
D22*A120*D12.7	22	120	12.7
D22*A135*D12.7	22	135	12.7
D22*A150*D12.7	22	150	12.7
D32*A60*D12.7	32	60	12.7
D32*A90*D12.7	32	90	12.7
D32*A120*D12.7	32	120	12.7
D32*A135*D12.7	32	135	12.7
D32*A150*D12.7	32	150	12.7

Cleaning Bottom Router Bits

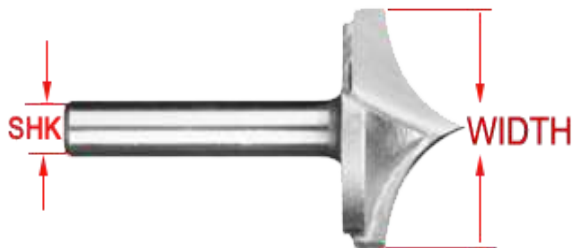


Applicable: organic board, density board, wood, PVC

Size	WIDTH	SHK
D10*D6	10	6
D16*D6	16	6

D22*D6	22	6
D25*D6	25	6
D32*D6	32	6
D10*D8	10	8
D16*D8	16	8
D22*D8	22	8
D25*D8	25	8
D32*D8	32	8
D10*D12.7	10	12.7
D16*D12.7	16	12.7
D22*D12.7	22	12.7
D25*D12.7	25	12.7
D32*D12.7	32	12.7

Internal Arc Pointed Router Bits



Applicable: organic board, density board, wood, PVC

Size	WIDTH	SHK
D12*D6	12	6
D16*D6	16	6
D22*D6	22	6
D25*D6	25	6
D32*D6	32	6
D12*D8	12	8
D16*D8	16	8
D22*D8	22	8
D25*D8	25	8
D32*D8	32	8
D12*D12.7	12	12.7
D16*D12.7	16	12.7
D22*D12.7	22	12.7
D25*D12.7	25	12.7
D32*D12.7	32	12.7

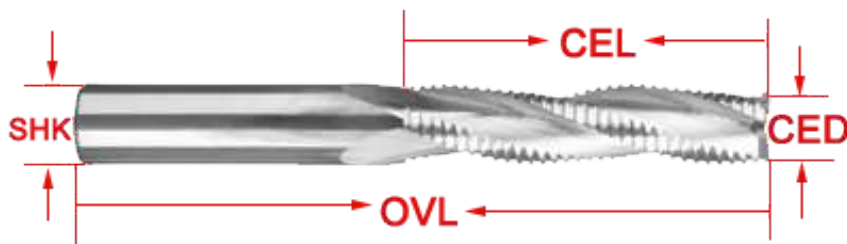
Round Bottom Cutter



Applicable: organic board, density board, wood, PVC

Size	WIDTH	SHK
D12*D6	12	6
D16*D6	16	6
D22*D6	22	6
D25*D6	25	6
D32*D6	32	6
D12*D8	12	8
D16*D8	16	8
D22*D8	22	8
D25*D8	25	8
D32*D8	32	8
D12*D12.7	12	12.7
D16*D12.7	16	12.7
D22*D12.7	22	12.7
D25*D12.7	25	12.7
D32*D12.7	32	12.7

Carbide Three Flutes Roughing End Mills



Material: Tungsten cobalt alloy

Applicable: High efficiency Rough milling processing on Flake board, MDF, Plywood, Aluminum

Size	CED	CEL	SHK	OVL
D6*22*D6*60	6	22	6	60
D6*25*D6*60	6	25	6	60
D6*28*D6*65	6	28	6	65
D6*32*D6*70	6	32	6	70

D6*35*D6*70	6	35	6	70
D6*42*D6*80	6	42	6	80
D8*25*D8*60	8	25	8	60
D8*32*D8*70	8	32	8	70
D8*35*D8*75	8	35	8	75
D8*38*D8*80	8	38	8	80
D8*42*D8*80	8	42	8	80
D10*37*D10*85	10	37	10	85
D10*47*D10*100	10	47	10	100
D10*52*D10*100	10	52	10	100
D10*55*D10*100	10	55	10	100
D12*35*D12*75	12	35	12	75
D12*45*D12*100	12	45	12	100
D12*55*D12*110	12	55	12	110
D12*75*D12*130	12	75	12	130
D12*100*D12*150	12	100	12	150
D12.7*35*D12.7*90	12.7	35	12.7	90
D12.7*45*D12.7*100	12.7	45	12.7	100
D12.7*55*D12.7*110	12.7	55	12.7	110
D12.7*75*D12.7*120	12.7	75	12.7	120
D12.7*100*D12.7*150	12.7	100	12.7	150
D16*45*D16*120	16	45	16	120
D16*55*D16*130	16	55	16	130
D16*75*D16*150	16	75	16	150
D16*100*D16*170	16	100	16	170
D18*55*D18*130	18	55	18	130
D18*75*D18*150	18	75	18	150
D18*100*D18*170	18	100	18	170

HSS Straight & Spiral Flute Step Drill Bits Titanium Coated



Material: HSS

Applicable machine tools: bench drill, hand electric drill tools, etc.

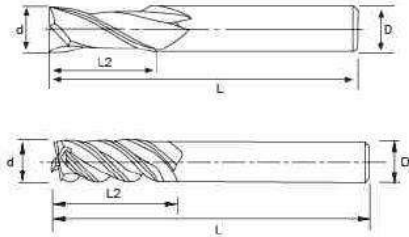
Applicable materials: Suitable for materials: steel plate, aluminium, carbon steel, plastics below HRC 30 degree, metal below 5MM thickness.

Size	CED	Flute type	Flute length for every step (MM)	SHK
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#REF!	4-12	straight	7.5	6
#REF!	4-20	straight	4.5	8
#REF!	4-32	straight	4	10
#REF!	4-12	spiral	7.5	6
#REF!	4-20	spiral	4.5	8
#REF!	4-32	spiral	4	10
#REF!	4-12	straight	7.5	6
#REF!	4-20	straight	4.5	8
#REF!	4-32	straight	4	10
#REF!	4-12	spiral	7.5	6
#REF!	4-20	spiral	4.5	8
#REF!	4-32	spiral	4	10
#REF!	4-12	straight	7.5	6
#REF!	4-20	straight	4.5	8
#REF!	4-32	straight	4	10
#REF!	4-12	spiral	7.5	6
#REF!	4-20	spiral	4.5	8
#REF!	4-32	spiral	4	10

HRC55 2/4 Flutes Square Carbide End Mill

1. Use the good quality carbide materials, HRC55 grade : Grain size: 0.5um, Wc: 90%, Co: 12%, TRS: 4000n/mm
2. Coating: TiSiN
3. Helix: 35 degree



Suit for processing: Cast iron, Carbon steel, alloy steel, stainless steel, hardened steel and mould steel procession

Main Features: Grain size carbon tungsten, high toughness, TiSiN coating. High wear-resistance, special use for high speed cutting of CNC milling machine. Also can increase the smoothness, reduce the rubbing coefficient, and improve the lathe efficiency, save more production time

Standard type

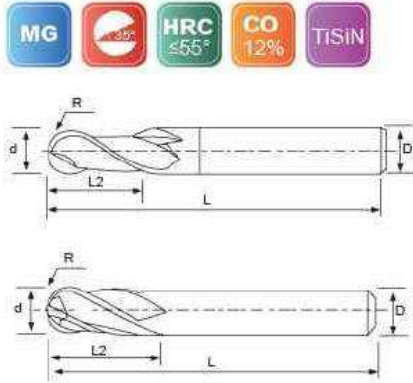
Model No.	Flute Diameter (d)	Flute length (L2)	Shank Diameter (D)	Overall length (L)
D1*3*D4*50	1	3	4	50
D1.5*4.5*D4*50	1.5	4.5	4	50
D2*6*D4*50	2	6	4	50
D2.5*7*D4*50	2.5	7	4	50
D3*8*D4*50	3	8	4	50
D3.5*10*D4*50	3.5	10	4	50
D4*10*D4*50	4	10	4	50
D5*13*D6*50	5	13	6	50
D6*15*D6*50	6	15	6	50
D8*20*D8*60	8	20	8	60
D10*25*D10*75	10	25	10	75
D12*30*D12*75	12	30	12	75
D14*45*D14*100	14	45	14	100
D16*45*D16*100	16	45	16	100
D18*45*D18*100	18	45	18	100
D20*45*D20*100	20	45	20	100

Extra Length Type

Model No.	Flute Diameter (d)	Flute length (L2)	Shank Diameter (D)	Overall length (L)
D4*12*D4*75	4	12	4	75
D4*16*D4*100	4	16	4	100
D6*20*D6*75	6	20	6	75
D6*30*D6*100	6	30	6	100
D8*25*D8*75	8	25	8	75
D8*35*D8*100	8	35	8	100
D10*40*D10*100	10	40	10	100
D12*45*D12*100	12	45	12	100
D6*35*D6*150	6	35	6	150
D8*40*D8*150	8	40	8	150
D10*50*D10*150	10	50	10	150
D12*60*D12*150	12	60	12	150
D14*65*D14*150	14	65	14	150
D16*70*D16*150	16	70	16	150
D18*70*D18*150	18	70	18	150
D20*70*D20*150	20	70	20	150

HRC55 2/4 Flutes Ball Nose Carbide End Mill

1. Use the good quality carbide materials, HRC55 grade : Grain size: 0.5um, Wc: 90%, Co: 12%, TRS: 4000n/mm
2. Coating: TiSiN
3. Helix: 35 degree



Suit for processing: Cast iron, Carbon steel, alloy steel, stainless steel, hardened steel and mould steel procession

Main Features: Grain size carbon tungsten, high toughness, TiSiN coating. High wear-resistance, special use for high speed cutting of CNC milling machine. Also can increase the smoothness, reduce the rubbing coefficient, and improve the lathe efficiency, save more production time

Standard type

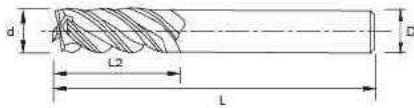
Model No.	Flute Diameter (R)	Flute length (L2)	Shank Diameter (D)	Overall length (L)
R0.5*2*D4*50	R0.5	2	4	50
R0.75*3*D4*50	R0.75	3	4	50
R1*4*D4*50	R1	4	4	50
R1.25*5*D4*50	R1.25	5	4	50
R1.5*6*D4*50	R1.5	6	4	50
R1.75*7*D4*50	R1.75	7	4	50
R2*8*D4*50	R2	8	4	50
R2.5*10*D6*50	R2.5	10	6	50
R3*12*D6*50	R3	12	6	50
R4*16*D8*60	R4	16	8	60
R5*20*D10*75	R5	20	10	75
R6*24*D12*75	R6	24	12	75
R7*28*D14*100	R7	28	14	100
R8*32*D16*100	R8	32	16	100
R9*36*D18*100	R9	36	18	100
R10*40*D20*100	R10	40	20	100

Extra Length Type

Model No.	Flute Diameter (R)	Flute length (L2)	Shank Diameter (D)	Overall length (L)
R2*8*D4*75	R2	8	4	75
R2*8*D4*100	R2	8	4	100
R3*12*D6*75	R3	12	6	75
R3*12*D6*100	R3	12	6	100
R4*16*D8*75	R4	16	8	75
R4*16*D8*100	R4	16	8	100
R5*20*D10*100	R5	20	10	100
R6*24*D12*100	R6	24	12	100
R3*12*D6*150	R3	12	6	150
R4*16*D8*150	R4	16	8	150
R5*20*D10*150	R5	20	10	150
R6*24*D12*150	R6	24	12	150
R7*28*D14*150	R7	28	14	150
R8*32*D16*150	R8	32	16	150
R9*36*D18*150	R9	36	18	150
R10*40*D20*150	R10	40	20	150

HRC65 4 Flutes Square Carbide End Mill

1. Use the good quality carbide materials, HRC65 grade : Grain size: 0.4um, Wc: 88%, Co: 12.5%, TRS: 4300n/mm
2. Coating: blue nano
3. Helix: 35 degree



Suit for processing: Cast iron, Carbon steel, alloy steel, stainless steel, hardened steel and mould steel procession

Main Features: Grain size carbon tungsten, high toughness, blue nano coating. High wear-resistance, special use for high speed cutting of CNC milling machine. Also can increase the smoothness, reduce the rubbing coefficient, and improve the lathe efficiency, save more production time

Standard type

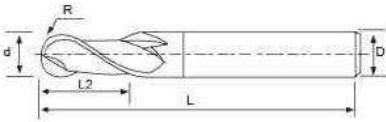
Model No.	Flute Diameter (d)	Flute length (L2)	Shank Diameter (D)	Overall length (L)
D1*3*D4*50	1	3	4	50
D1.5*4.5*D4*50	1.5	4.5	4	50
D2*6*D4*50	2	6	4	50
D2.5*7*D4*50	2.5	7	4	50
D3*8*D4*50	3	8	4	50
D3.5*10*D4*50	3.5	10	4	50
D4*10*D4*50	4	10	4	50
D5*13*D6*50	5	13	6	50
D6*15*D6*50	6	15	6	50
D8*20*D8*60	8	20	8	60
D10*25*D10*75	10	25	10	75
D12*30*D12*75	12	30	12	75
D14*45*D14*100	14	45	14	100
D16*45*D16*100	16	45	16	100
D18*45*D18*100	18	45	18	100
D20*45*D20*100	20	45	20	100

Extra Length Type

Model No.	Flute Diameter (d)	Flute length (L2)	Shank Diameter (D)	Overall length (L)
D4*12*D4*75	4	12	4	75
D4*16*D4*100	4	16	4	100
D6*20*D6*75	6	20	6	75
D6*30*D6*100	6	30	6	100
D8*25*D8*75	8	25	8	75
D8*35*D8*100	8	35	8	100
D10*40*D10*100	10	40	10	100
D12*45*D12*100	12	45	12	100
D6*35*D6*150	6	35	6	150
D8*40*D8*150	8	40	8	150
D10*50*D10*150	10	50	10	150
D12*60*D12*150	12	60	12	150
D14*65*D14*150	14	65	14	150
D16*70*D16*150	16	70	16	150
D18*70*D18*150	18	70	18	150
D20*70*D20*150	20	70	20	150

HRC65 2 Flutes Ball Nose Carbide End Mill

1. Use the good quality carbide materials, HRC65 grade : Grain size:0.4um, Wc:88%, Co:12.5%, TRS:4300n/mm
2. Coating: blue nano
3. Helix: 35 degree



Suit for processing: Cast iron, Carbon steel, alloy steel, stainless steel, hardened steel and mould steel procession

Main Features: Grain size carbon tungsten, high toughness, blue nano coating. High wear-resistance, special use for high speed cutting of CNC milling machine. Also can increase the smoothness, reduce the rubbing coefficient, and improve the lathe efficiency, save more production time

Standard type

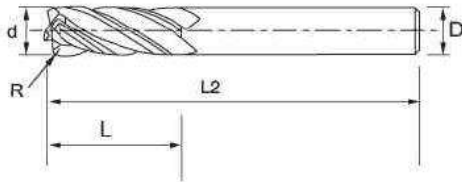
Model No.	Flute Diameter (R)	Flute length (L2)	Shank Diameter (D)	Overall length (L)
R0.5*2*D4*50	R0.5	2	4	50
R0.75*3*D4*50	R0.75	3	4	50
R1*4*D4*50	R1	4	4	50
R1.25*5*D4*50	R1.25	5	4	50
R1.5*6*D4*50	R1.5	6	4	50
R1.75*7*D4*50	R1.75	7	4	50
R2*8*D4*50	R2	8	4	50
R2.5*10*D6*50	R2.5	10	6	50
R3*12*D6*50	R3	12	6	50
R4*16*D8*60	R4	16	8	60
R5*20*D10*75	R5	20	10	75
R6*24*D12*75	R6	24	12	75
R7*28*D14*100	R7	28	14	100
R8*32*D16*100	R8	32	16	100
R9*36*D18*100	R9	36	18	100
R10*40*D20*100	R10	40	20	100

Extra Length Type

Model No.	Flute Diameter (R)	Flute length (L2)	Shank Diameter (D)	Overall length (L)
R2*8*D4*75	R2	8	4	75
R2*8*D4*100	R2	8	4	100
R3*12*D6*75	R3	12	6	75
R3*12*D6*100	R3	12	6	100
R4*16*D8*75	R4	16	8	75
R4*16*D8*100	R4	16	8	100
R5*20*D10*100	R5	20	10	100
R6*24*D12*100	R6	24	12	100
R3*12*D6*150	R3	12	6	150
R4*16*D8*150	R4	16	8	150
R5*20*D10*150	R5	20	10	150
R6*24*D12*150	R6	24	12	150
R7*28*D14*150	R7	28	14	150
R8*32*D16*150	R8	32	16	150
R9*36*D18*150	R9	36	18	150
R10*40*D20*150	R10	40	20	150

HRC65 4 Flutes Corner Radius Carbide End Mill

1. Use the good quality carbide materials, HRC65 grade : Grain size: 0.4um, Wc: 88%, Co: 12.5%, TRS: 4300n/mm
2. Coating: blue nano
3. Helix: 35 degree



Suit for processing: Cast iron, Carbon steel, alloy steel, stainless steel, hardened steel and mould steel procession

Main Features: Grain size carbon tungsten, high toughness, blue nano coating. High wear-resistance, special use for high speed cutting of CNC milling machine. Also can increase the smoothness, reduce the rubbing coefficient, and improve the lathe efficiency, save more production time

Standard type

Model No.	Flute Diameter (d)	Radius (R)	Flute Length (L2)	Shank Diameter (D)	Overall Length (L)
D2*R0.5*6*D4*50	2.0	0.5	6	4	50
D3*R0.2*8*D4*50	3.0	0.2	8	4	50
D3*R0.5*8*D4*50	3.0	0.5	8	4	50
D4*R0.5*10*D4*50	4.0	R0.5	10	4	50
D4*R1*10*D4*50	4.0	R1	10	4	50
D6*R0.5*15*D6*50	6.0	R0.5	15	6	50
D6*R1*15*D6*50	6.0	R1	15	6	50
D8*R0.5*20*D8*60	8.0	R0.5	20	8	60
D8*R1*20*D8*60	8.0	R1	20	8	60
D8*R1.5*20*D8*60	8.0	R1.5	20	8	60
D10*R0.5*25*D10*75	10.0	R0.5	25	10	75
D10*R1*25*D10*75	10.0	R1	25	10	75
D10*R1.5*25*D10*75	10.0	R1.5	25	10	75
D12*R0.5*30*D12*75	12.0	R0.5	30	12	75
D12*R1*30*D12*75	12.0	R1	30	12	75
D12*R1.5*30*D12*75	12.0	R1.5	30	12	75
D12*R2*30*D12*75	12.0	R2	30	12	75

Extra Length Type

Model No.	Flute Diameter (d)	Radius (R)	Flute Length (L2)	Shank Diameter (D)	Overall Length (L)
D2*R0.5*6*D4*75	2.0	R0.5	6	4	75
D3*R0.5*8*D4*75	3.0	R0.5	8	4	75
D4*R0.5*11*D4*75	4.0	R0.5	11	4	75
D4*R1*11*D4*75	4.0	R1	11	4	75
D4*R0.5*11*D4*100	4.0	R0.5	11	4	100
D4*R1*11*D4*100	4.0	R1	11	4	100
D6*R0.5*15*D6*75	6.0	R0.5	15	6	75
D6*R1*15*D6*75	6.0	R1	15	6	75
D6*R0.5*15*D6*100	6.0	R0.5	15	6	100
D6*R1*15*D6*100	6.0	R1	15	6	100
D8*R0.5*20*D8*75	8.0	R0.5	20	8	75
D8*R1*20*D8*75	8.0	R1	20	8	75
D8*R1.5*20*D8*75	8.0	R1.5	20	8	75
D10*R0.5*25*D10*100	10.0	R0.5	25	10	100
D10*R1*25*D10*100	10.0	R1	25	10	100
D10*R1.5*25*D10*100	10.0	R1.5	25	10	100
D12*R0.5*30*D12*100	12.0	R0.5	30	12	100
D12*R1*30*D12*100	12.0	R1	30	12	100
D12*R1.5*30*D12*100	12.0	R1.5	30	12	100
D12*R2*30*D12*100	12.0	R2	30	12	100