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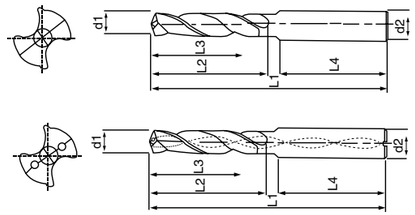
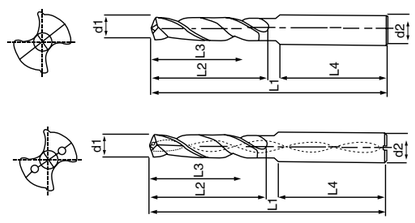
Solid Carbide Twist Drill–3D



Flute tolerance: m7
Top angle: 140°
Coating: He or NaNo
Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

d1	d2	L1	L2	L3	L4	Coolant solution
3.00–3.70	6	62	20	14	36	inner/outer Coolant
4.00–4.65	6	66	24	17	36	inner/outer Coolant
4.80–6.00	6	66	28	20	36	inner/outer Coolant
6.10–7.00	8	79	34	24	36	inner/outer Coolant
7.10–8.00	8	79	41	29	36	inner/outer Coolant
8.10–10.00	10	89	47	35	40	inner/outer Coolant
10.25–12.00	12	102	55	40	45	inner/outer Coolant
12.25–14.00	14	107	60	43	45	inner/outer Coolant
14.25–16.00	16	115	65	45	48	inner/outer Coolant
16.50–18.00	18	123	73	51	48	inner/outer Coolant
18.50–20.00	20	131	79	55	50	inner/outer Coolant
20.50–25.00	25	140	85	60	56	inner/outer Coolant

Solid Carbide Twist Drill–5D



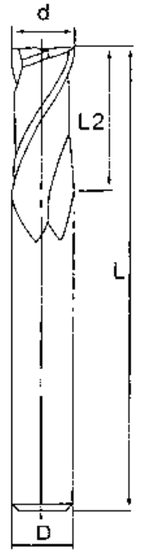
Flute tolerance: m7
Top angle: 140°
Coating: He or NaNo
Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

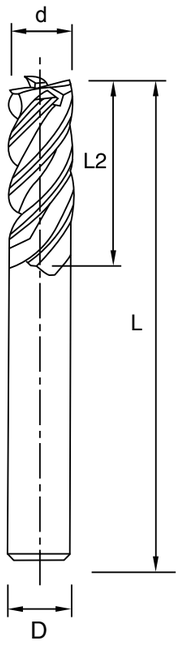
d1	d2	L1	L2	L3	L4	Coolant solution
9.50–10.00	10	103	61	49	40	inner/outer Coolant
10.25–12.00	12	118	71	56	45	inner/outer Coolant
12.20–14.00	14	124	77	60	45	inner/outer Coolant
14.25–16.00	16	133	83	63	48	inner/outer Coolant
16.50–18.00	18	143	93	71	48	inner/outer Coolant
18.50–20.00	20	153	101	77	50	inner/outer Coolant
20.50–25.00	25	163	110	83	56	inner/outer Coolant

Solid Carbide Flat End Mill

TiALN | HRC ≤55° | 35°

Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel



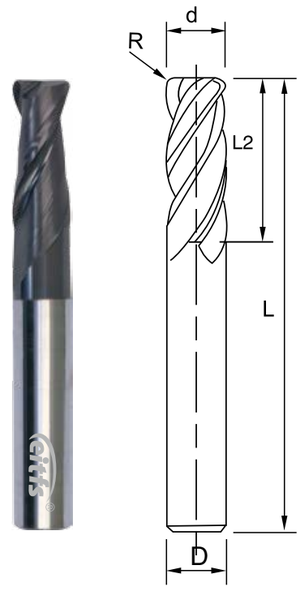


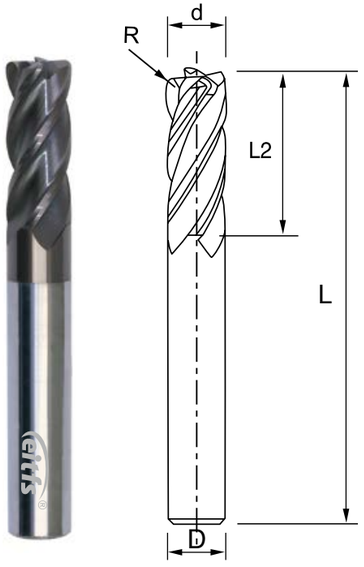
d	L2	L	D
1	3	50	4
1.5	4.5	50	4
2	6	50	4
2.5	7	50	4
3	8	50	4
3.5	10	50	4
4	11	50	4
4.5	13	50	6
5	13	50	6
5.5	13	50	6
6	15	50	6
6.5	17	60	8
7	17	60	8
7.5	17	60	8
8	20	60	8
8.5	23	75	10
9	23	75	10
9.5	25	75	10
10	25	75	10
10.5	25	75	12
11	28	75	12
11.5	28	75	12
12	30	75	12
13	33	100	16
14	35	100	16
15	38	100	16
16	40	100	16
17	40	100	16
18	40	100	20
19	40	100	20
20	40	100	20
22	40	100	25
25	40	100	25

Solid Carbide Corner Radius End Mill

TiALN | HRC ≤55° | 35°

Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel



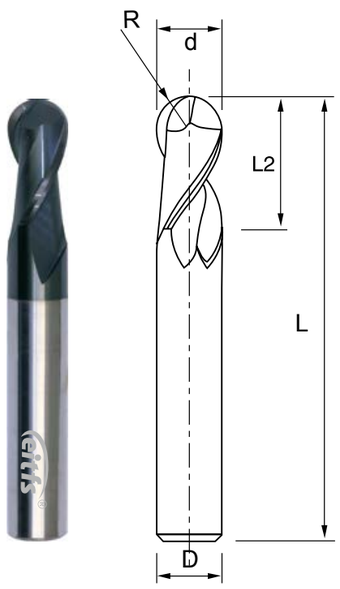


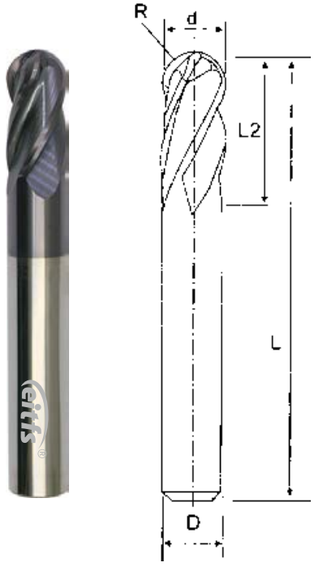
d	R	L2	L	D
1	0.2	2	50	4
1.5	0.2	3	50	4
1.5	0.5	3	50	4
2	0.2	4	50	4
2	0.5	4	50	4
2.5	0.2	5	50	4
2.5	0.5	5	50	4
3	0.2	6	50	4
3	0.5	6	50	4
3	1	6	50	4
4	0.2	8	50	4
4	0.5	8	50	6
4	1	8	50	4
5	0.5	10	50	6
5	1	10	50	6
6	0.2	12	50	6
6	0.5	12	50	6
6	1	12	50	6
6	1.5	12	50	6
6	2	12	50	6
8	0.5	16	60	8
8	1	16	60	8
8	1.5	16	60	8
8	2	16	60	8
10	0.5	20	75	10
10	1	20	75	10
10	1.5	20	75	10
10	2	20	75	10
10	2.5	20	75	10
10	3	20	75	10
12	0.5	24	75	12
12	1	24	75	12
12	1.5	24	75	12
12	2	24	75	12
12	2.5	24	75	12
12	3	24	75	12

Solid Carbide Ball Nose End Mill

TiALN | HRC ≤55° | 35°

Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

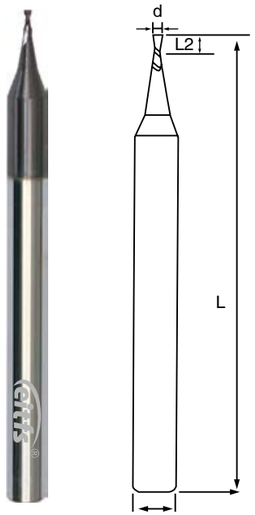




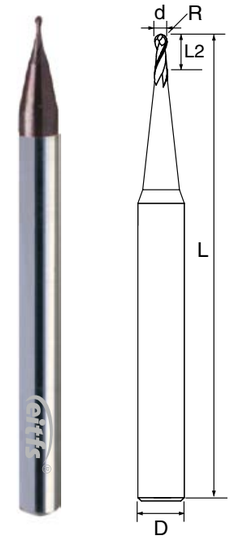
R	L2	L	D
0.5	2	50	4
0.75	3	50	4
1	4	50	4
1.25	5	50	4
1.5	6	50	4
1.75	7	50	4
2	8	50	4
2.25	9	50	6
2.5	10	50	6
2.75	11	50	6
3	12	50	6
3.25	13	60	8
3.5	14	60	8
3.75	15	60	8
4	16	60	8
4.5	18	75	10
5	20	75	10
6	24	75	12
8	30	100	16
10	30	100	20
12.5	30	100	25

Solid Carbide Micro End Mill

Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

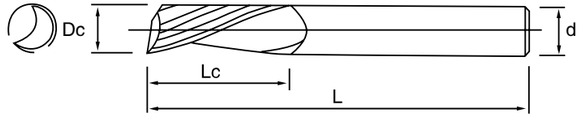


d	L2	L	D
0.2	0.4	50	3
0.3	0.6	50	3
0.4	0.8	50	3
0.5	1	50	3
0.6	1.2	50	3
0.7	1.4	50	3
0.8	1.6	50	3
0.9	1.8	50	3
0.2	0.4	50	4
0.3	0.6	50	4
0.4	0.8	50	4
0.5	1	50	4
0.6	1.2	50	4
0.7	1.4	50	4
0.8	1.6	50	4
0.9	1.8	50	4



Solid Carbide Single Flute End Mill

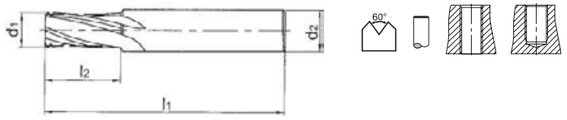
Application: Wood,PVC,Aluminum,Acrylic,Plastic etc.



Dc	Lc	d	L
1.5	4	3	40
2	8	3	40
3.175	6/8/10/12/15/17	3.175	38
3.175	22	3.175	45
3.175	25	3.175	50
3.175	28/32	3.175	55
4	12	4	40
4	15	4	40
4	17	4	45
4	20/22/25/28	4	50
4	32	4	55
4	42	4	65
4	52	4	75
6	12	6	40
6	15	6	40
6	17/22	6	45
6	25/28	6	50
6	32	6	60
6	42	6	75
6	52	6	85
6	62/72	6	100
8	20	8	60

Solid Carbide Thread End Mill

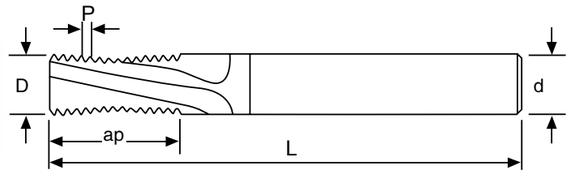
Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel



D	d1	P	d2	l1	l2	Z	Dia of bottom hole	size of bottom hole drill
M3	2.35	0.5	4	50	6	3	2.5	DM–M3*0.5
M4	3.15	0.7	4	50	8	3	3.3	DM–M4*0.7
M5	4	0.8	6	50	10	3	4.2	DM–M5*0.8
M6	4.75	1	6	60	12	4	5	DM–M6*1
M8	6.45	1.25	8	60	16	4	6.75	DM–M8*1.25
M10	8.1	1.5	10	75	20	4	8.5	DM–M10*1.5
M12	9.75	1.75	12	75	24	4	10.25	DM–M12*1.75
M14	11.4	2	14	75	28	4	12	DM–M14*2
M16	13.3	2	16	90	32	6	14	DM–M16*2
M18	14.75	2.5	18	90	36	6	15.5	DM–M18*2.5
M20	16.65	2.5	18	100	40	6	17.5	DM–M20*2.5

Solid Carbide Taps

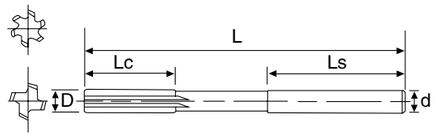
Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel



M coarse	P	M Fine	d	D	Z	ap	L
M4	0.7	>5	6	3.1	3	7.4	58
–	0.5	>5	6	3.8	3	10.3	58
–	0.75	>6	6	4.5	3	10.1	58
M5	0.8	>6	6	3.8	3	9.2	58
–	0.75	>12	10	10	4	24.4	73
–	1	>9	6	6	3	12.5	58
M6	1	>7	6	4.6	3	10.5	58
–	1	>10	8	8	4	16.5	64
M6	1	>6	6	4.6	3	14.5	58
–	1	>12	10	10	4	14.4	58
–	1.5	>14	10	10	4	21.8	73
M8	1.25	>10	6	6	3	14.4	58
–	1.5	>20	16	16	6	33.8	105
M8	1.25	>10	6	6	3	19.4	58
–	2	>26	20	20	6	41	105
M10	1.5	>12	8	7.8	3	17	64
M10	1.5	>12	8	7.8	3	24.8	64
M12	1.75	>12	10	9	3	20.1	73
M12	1.75	>12	10	9	3	28.9	73
M14	2	>15	10	10	3	27	73
M16	2	>17	12	11.8	4	27	84
M16	2	>17	12	11.8	4	39	105
–	1.5	>16	12	12	4	26.3	84
M20	2.5	>22	16	15	5	33.8	105
M20	2.5	>22	16	15	5	48.8	105
M24	3	>25	20	18	4	40.5	105
M24	3	>25	20	18	4	58.5	120
M27	3	>27	20	20	4	43.5	105

Solid Carbide Reamer

Application: Processing of common materials such as gray cast iron, ductile iron, stainless steel, structural steel, alloy steel



D	Lc	L	d	Ls	Z
2–2.2	11	57	2	25	4
2.3–2.4	12	57	2	25	4
2.5–2.9	14	57	2.5	27	4
3–3.4	15	61	3	30	4
3.5–3.9	15	61	3.5	30	4
4–4.4	19	75	4	32	4
4.5–4.9	21	80	4	35	4
5–5.4	23	86	5	35	6
5.5–5.9	26	93	5	40	6
6–6.9	26	93	6	40	6
7–7.9	31	109	6	45	6
8–8.9	33	117	8	50	6
9–9.9	36	125	8	55	6
10–10.9	38	133	10	60	6
11–11.9	41	142	10	60	6
12	44	151	10	60	6
12.5	44	151	10	60	6
13	44	151	12	60	6
13.5	47	160	12	65	6
14	47	160	12	65	6
14.5	50	162	12	65	6
15	50	162	12	65	6
15.5	52	170	12	65	6
16	52	170	12	65	6
16.5	54	175	12	65	6
17	54	175	12	65	6
17.5	56	182	12	65	6
18	56	182	12	65	6
18.5	58	189	16	65	6
19	58	189	16	65	6
19.5	60	195	16	65	6
20	60	195	16	65	6

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