埃特法斯®
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Aitefasi
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COMPANY PROFILE

Changzhou Aitefasi Tools Co.,Ltd. is a professional enterprise which specializes in design, manufacture and sale of solid carbide cutting tools. In recent years, Aitefasi Tools has introduced advanced CNC grinding machines from Germany, USA and Switze.

Aitefasi Tools mainly manufactures solid carbide drill bits, end mills and reamers. What's more, customized cutting tools can be designed for the clients. All the products are widely applied in the area of machinery processing, like automobile, mould, plastic and so on.

Aitefasi Tools' core value is "advanced tools, process advanced products". We trust that, With our high performance tools, you will process high performance products.

Workshop’s production scene

Drill bits

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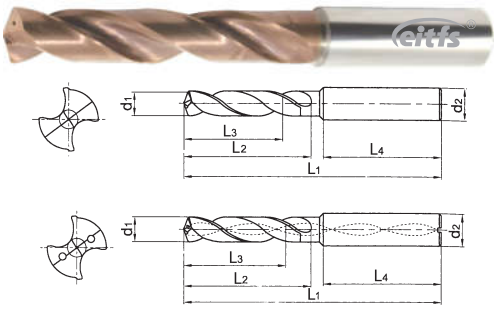
Solid Carbide Twist Drill-3D

Application: gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

Flute tolerance: m7

Top angle: 140°

Coating: He or NaNo



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

Customized Tools are Acceptable

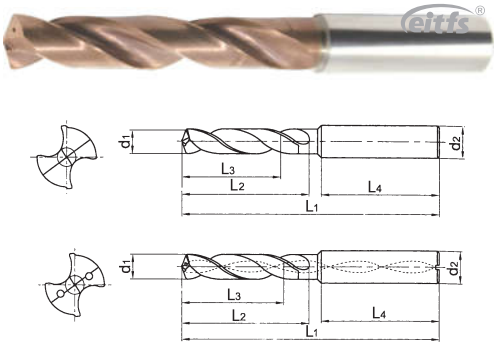
Solid Carbide Twist Drill-5D

Application: gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

Flute tolerance: m7

Top angle: 140°

Coating: He or NaNo



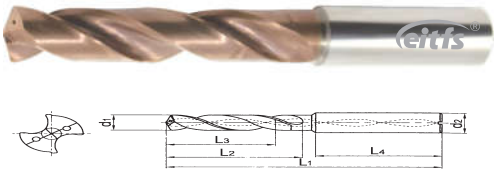
d1	d2	L1	L2	L3	L4	material	inner Coolant	outer coolant
9.50-10.00	10	103	61	49	40	solid carbide	■	■
10.25-12.00	12	118	71	56	45	solid carbide	■	■
12.20-14.00	14	124	77	60	45	solid carbide	■	■
14.25-16.00	16	133	83	63	48	solid carbide	■	■
16.50-18.00	18	143	93	71	48	solid carbide	■	■
18.50-20.00	20	153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

Customized Tools are Acceptable

Solid Carbide Twist Drill-8D

Application: gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

Flute tolerance: m7
Top angle: 140°
Coating: He or NaNo



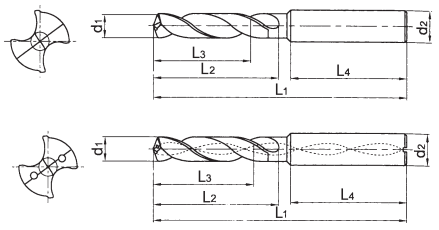
d1	d2	L1	L2	L3	L4	material	inner Coolant	outer coolant
4.00-4.00	4	75	45	42	28	solid carbide	■	■
4.50-5.00	6	90	54	50	36	solid carbide	■	■
5.50-6.00	6	97	60	57	36	solid carbide	■	■
6.50-6.50	8	106	69	66	36	solid carbide	■	■
7.00-8.00	8	116	79	76	36	solid carbide	■	■
8.50-9.00	10	131	90	87	40	solid carbide	■	■
9.50-10.00	10	139	98	95	40	solid carbide	■	■
10.50-11.00	12	155	109	106	45	solid carbide	■	■
11.50-12.00	12	163	117	114	45	solid carbide	■	■
12.50-14.00	14	182	136	133	45	solid carbide	■	■
14.50-16.00	16	204	155	152	48	solid carbide	■	■
16.50-18.00	18	223	174	171	48	solid carbide	■	■
18.50-20.00	20	244	193	190	50	solid carbide	■	■
20.50-25.00	25				56	solid carbide	■	■

Customized Tools are Acceptable

Solid Carbide Twist Drill-5D

Application: gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

Flute tolerance: m7
Top angle: 140°
Coating: He or NaNo



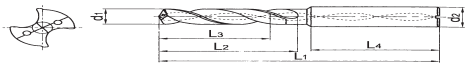
d1	d2	L1	L2	L3	L4	material	inner coolant	outer coolant
4.00	6	74	36	29	36	solid carbide	■	■
4.50-6.00	6	82	44	35	36	solid carbide	■	■
6.50-8.00	8	91	53	43	36	solid carbide	■	■
8.50-10.00	10	103	61	49	40	solid carbide	■	■
10.50-12.00	12	118	71	56	45	solid carbide	■	■
12.50-14.00	14	124	77	60	45	solid carbide	■	■
14.50-16.00	16	133	83	63	48	solid carbide	■	■
1650-18.00	18	143	93	71	48	solid carbide	■	■
18.50-20.00	20	153	101	77	50	solid carbide	■	■

Customized Tools are Acceptable

Solid Carbide Twist Drill-20D

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

Flute tolerance: m7
Top angle: 140°
Coating: He or NaNo

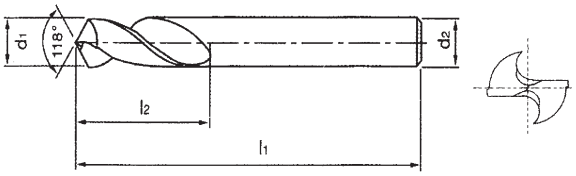


d1	d2	L1	L2	L3	L4	material	inner coolant	outer coolant
3.00	3.00	101	68	63	30	solid carbide	■	-
3.50	4.00	125	79	74	32	solid carbide	■	-
4.00	4.00	125	90	84	32	solid carbide	■	-
4.50	5.00	149	101	95	34	solid carbide	■	-
5.00	5.00	149	112	105	34	solid carbide	■	-
5.50	6.00	173	123	116	36	solid carbide	■	-
6.00	6.00	173	134	126	36	solid carbide	■	-
6.50	7.00	197	145	137	38	solid carbide	■	-
7.00	7.00	197	158	147	38	solid carbide	■	-
7.50	8.00	221	167	158	40	solid carbide	■	-
8.00	8.50	221	178	169	40	solid carbide	■	-
8.50	9.00	245	189	183	42	solid carbide	■	-
9.00	9.50	245	200	189	42	solid carbide	■	-
9.50	10.00	269	211	200	44	solid carbide	■	-
10.00	10.00	269	222	210	44	solid carbide	■	-

Customized Tools are Acceptable

Solid Carbide Drill For Aluminium Alloy

Application: Aluminium Alloy



d1	l2	l1	d2
3.0	16	48	3
3.5	20	52	4
4.0	22	54	4
4.5	24	68	6
5.0	26	70	6
5.5	28	72	6
6.0	28	72	6
6.5	31	75	8
7.0	34	78	8
7.5	34	78	8

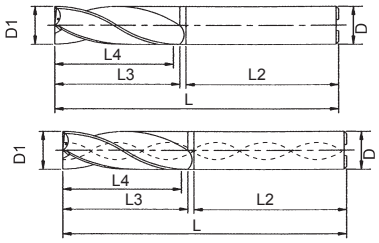
d1	l2	l1	d2
8.0	37	81	8
8.5	37	87	10
9.0	40	91	10
9.5	40	91	10
10.0	43	93	10
11.0	47	104	12
12.0	51	108	12
13.0	51	110	14
15.0	76	136	16
17.0	84	150	18
20.0	84	160	20

Customized Tools are Acceptable

Solid Carbide Bottoming Drill-3D

Application: gray cast iron, ductile iron, stainless steel, structural steel, alloy steel

Flute tolerance: m7
Top angle: 140°
Coating: He or NaNo

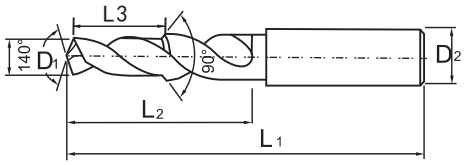


D 1	D	L	L2	L3	L4	material	inner coolant	outer coolant
3.00-3.70	6	62	36	20	14	solid carbide	■	■
4.00-4.65	6	66	36	24	17	solid carbide	■	■
4.80-6.00	6	66	36	28	20	solid carbide	■	■
6.10-7.00	8	79	36	34	24	solid carbide	■	■
7.10-8.00	8	79	36	41	29	solid carbide	■	■
8.10-10.00	10	89	40	47	35	solid carbide	■	■
10.25-12.00	12	102	45	55	40	solid carbide	■	■
12.25-14.00	14	107	45	60	43	solid carbide	■	■
14.25-16.00	16	115	48	65	45	solid carbide	■	■
16.50-18.00	18	123	48	73	51	solid carbide	■	■
18.50-20.00	20	131	50	79	55	solid carbide	■	■
20.50-25.00	25	140	56	85	60	solid carbide	■	■

Customized Tools are Acceptable

Solid Carbide Drill With Step

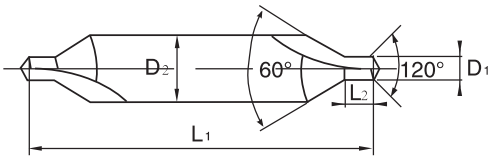
Application:Forming hole



D 1	D 2	L1	L2	L3
3.40	6.0	66	28	11.4
4.30	6.0	66	28	13.6
5.00	6.6	79	41	16.5
6.90	10.0	89	47	21.0
8.70	12.0	102	55	25.5
10.40	14.0	107	60	30.0
12.25	16.0	115	65	34.5
14.25	18.0	123	73	38.5

Customized Tools are Acceptable

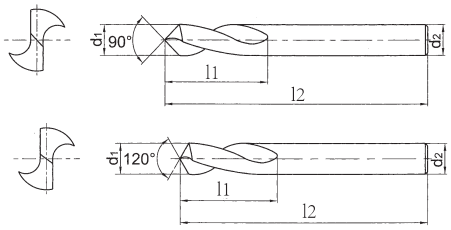
Solid Carbide Center Dirlls



D 1	D 2	L1	L2
1.00	3.15	40	1.6
1.25	3.15	40	1.8
1.60	4.00	40	2.1
2.00	5.00	40	2.8
2.50	6.30	50	3.4
3.15	8.00	50	4.1
4.00	10.00	60	5.2
5.00	12.50	70	6.5
6.30	16.00	70	8.2
8.00	20.00	80	10.5

Customized Tools are Acceptable

Solid Carbide Pilot Drill



d1	Top Angle	shank	d2	l1	l2	coolant
6.0	90°	straight	6.00	66	15	outer
6.0	120°	straight	6.00	66	15	outer
8.0	90°	straight	8.00	79	17	outer
8.0	120°	straight	8.00	79	17	outer
10.0	90°	straight	10.00	89	20	outer
10.0	120°	straight	10.00	89	20	outer
12.0	90°	straight	12.00	100	25	outer
12.0	120	straight	12.00	100	25	outer
16.0	90°	straight	16.00	100	30	outer
16.0	120	straight	16.00	100	30	outer
20.0	90°	straight	20.00	100	30	outer
20.0	120	straight	20.00	100	30	outer

Non-standard cutting tools

Non-standard cutting tools