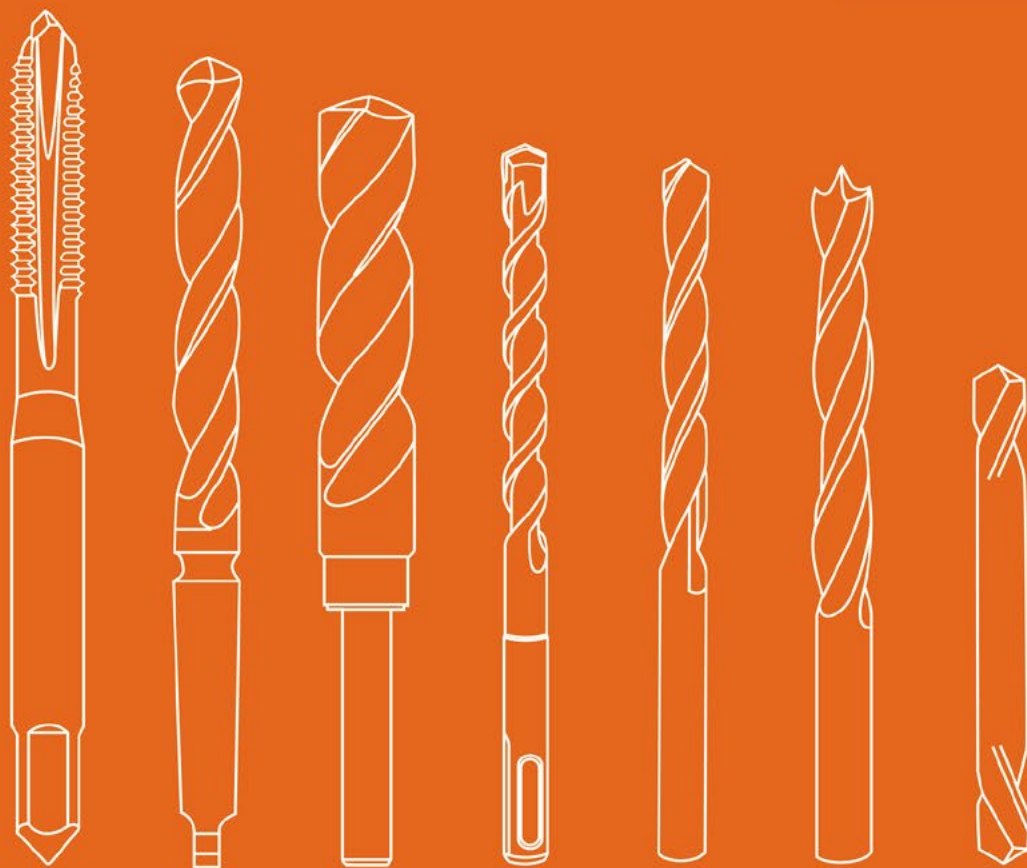




BOAN TOOLS

江苏博安工具有限公司

JIANGSU BOAN TOOLS CO., LTD



公司简介 Company profile

江苏博安工具有限公司地处江苏省丹阳市胡桥镇。这里位于长三角，机场、港口、江河、铁路和高速公路纵横密布，地理位置优越，环境优美宜人。

公司成立于1998年，主要生产高速钢麻花钻、建工钻、木工钻和其他切削工具等。并根据客户的要求，承接加工各类非标件。多年来，公司始终追求在质量，价格和服务上不断满足或超越客户的需求。经过25年的发展，已为KWB、Truper、CPI、Tolsen、KS TOOLS等国际著名切削刀具销售商配套各类钻头。

我们已经拥有非常完善的生产及管理体系，这使得我们取得了VPA、TUV、BSCI等一系列欧洲著名机构颁发的质量及社会责任证书，企业还通过了ISO9001质量管理体系认证。目前，我们的产品远销世界二十多个国家和地区。

Jiangsu Boan Tools Co.,Ltd is located in Huqiao Town Danyang city,Jiangsu province.It lies in the yangtze Delta where airports,harbors,rivers,railway and expressway are convenient.and the geographical position is superior and the landscape is beautiful.

The company was set up in 1998,specialized in producing high-speed steel twist drills,masonry drills,wood working drills and other cutting tools.We also process all kinds of non-standard products at requests of customers.We make every effort to meet customers' demands in quality,price and service.After 25 years of development,the company has supplied all kinds of drill bits for KWB,Truper,CPI, Tolsen,KS TOOLS and other famous cutting tools vendors.

We have a very complete production and management system,which makes us obtain quality and social responsibility certificates issued by a series of well-known European institutions such as VPA, TUV, and BSCI.We also have obtained ISO 9001 certificate.At present our products are sold to over twenty countries and regions.







先進設備
我們深信，藉着完善的管理，
先進的設備和全體員工一絲
不苟的工作態度，是優良品
質的保證。

生產车间

Production workshop

数控车间 CNC workshop



量是企业的生存之本，“一丝不苟，精益求精”贯穿于我厂的每一个生产环节；坚定不移地向新领域挑战。

质

Quality is the base of enterprise's survival, Keep improving during sector in our factory; Keep a stiff under lipto challenge in the new domain.



磨制生产车间 Grinding production workshop



轧制车间 Rolling workshop



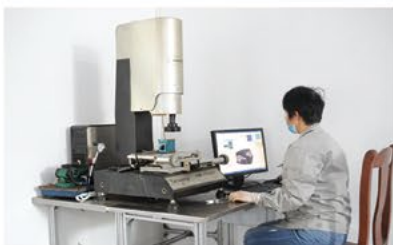
江苏博安工具有限公司从国外引进先进生产设备，保证了博安产品的高品质，从而使企业迅速发展。

Jiangsu Boan Tools Co., Ltd doesn't hesitate to spend large number of money on the equipment which are arranged reasonably and are in lead in the same field,so that high-quality is guaranteed.



测试设备

Testing equipment



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BOAN Tools



Hss Twist Drill

高速钢麻花钻





HSS Straight Shank Twist Drills

PICTORIAL INDEX

ITEM		Production Technics	Point	Finish
01		Roll forged Half Ground Fully Ground	 	Tin Coated
02		Half Ground Fully Ground	 	Bright
03		Roll forged	 	Grey Flute White Edge
04		Fully Ground Half Ground	 	Black Oxide
05		Roll Forged	 	Black Flute White Edge
06		Roll forged	 	Black Flute Gold Edge
07		Half Ground Fully Ground	 	Black Flute Gold shank
08		Fully Ground Half Ground	 	Amber Color
09		Half Ground Fully Ground	 	Rainbow Color
10		Fully ground milled	 	Bright Finish
11		Milled	 	Amber finished
12		Milled	 	Bright Finished
13		Milled	 	Black Oxide



HSS Taper Shank Drill

PICTORIAL INDEX

ITEM		Production Technics	Point	Finish
01		Roll forged		Black Oxide
02		Roll forged		Black Flute White Edge
03		Roll forged		Grey Flute White Edge
04		Milled		Bright Finish
05		Milled		Bright Finish Tin Coated

Hss Reduced Shank Twist Drill

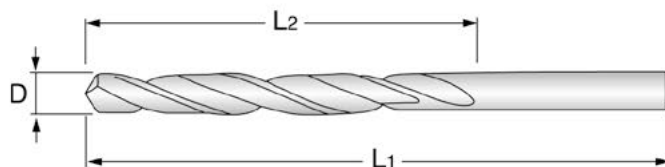
ITEM		Production Technics	Point	Finish
01		Milled		Black Oxide
02		Milled		Black Flute White Edge
03		Milled		Black Flute Gold Shank
04		Milled		Bright Finish
05		Milled		Bright Finish Tin Coated
06		Milled		Amber Color

Special Purpose Tools

ITEM		Type	Point	Finish
01		1/4"Hex Shank Drill		Black Oxide Bright/TiN
02		Triangle Shank		Black Oxide Bronze Oxide
03		Hole Saw Pilot Drill		Bright Black Oxide
04		Single End Body		Black Oxide Bright
05		Double End Body		Black Oxide Bright
06		Centre Drill		Bright/TiN



HSS Straight Shank Twist Drills DIN338

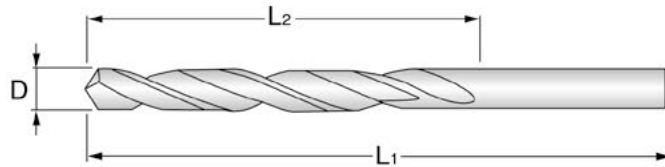


D:Diameter
L1:Overall Length
L2:Flute Length

D	L1	L2	D	L1	L2	D	L1	L2	D	L1	L2
0.2	19	2.5	2	49	24	6.2	101	63	11.4	142	94
0.22	19	2.5	2.05	49	24	6.3	101	63	11.5	142	94
0.25	19	3	2.1	49	24	6.4	101	63	11.6	142	94
0.28	19	3	2.15	53	27	6.5	101	63	11.7	142	94
0.3	19	3	2.2	53	27	6.6	101	63	11.8	142	94
0.32	19	4	2.25	53	27	6.7	101	63	11.9	151	101
0.35	19	4	2.3	53	27	6.8	109	69	12	151	101
0.38	19	4	2.35	53	27	6.9	109	69	12.1	151	101
0.4	20	5	2.4	57	30	7	109	69	12.2	151	101
0.42	20	5	2.45	57	30	7.1	109	69	12.3	151	101
0.45	20	5	2.5	57	30	7.2	109	69	12.4	151	101
0.48	20	5	2.55	57	30	7.3	109	69	12.5	151	101
0.5	22	6	2.6	57	30	7.4	109	69	12.6	151	101
0.52	22	6	2.65	57	30	7.5	109	69	12.7	151	101
0.55	24	7	2.7	61	33	7.6	117	75	12.8	151	101
0.58	24	7	2.75	61	33	7.7	117	75	12.9	151	101
0.6	24	7	2.8	61	33	7.8	117	75	13	151	101
0.62	26	8	2.85	61	33	7.9	117	75	13.1	151	101
0.65	26	8	2.9	61	33	8	117	75	13.2	151	101
0.68	28	9	2.95	61	33	8.1	117	75	13.3	160	108
0.7	28	9	3	61	33	8.2	117	75	13.4	160	108
0.72	28	9	3.1	65	36	8.3	117	75	13.5	160	108
0.75	28	9	3.2	65	36	8.4	117	75	13.6	160	108
0.78	30	10	3.3	65	36	8.5	117	75	13.7	160	108
0.8	30	10	3.4	70	39	8.6	125	81	13.8	160	108
0.82	30	10	3.5	70	39	8.7	125	81	13.9	160	108
0.85	30	10	3.6	70	39	8.8	125	81	14	160	108
0.88	32	11	3.7	70	39	8.9	125	81	14.25	169	114
0.9	32	11	3.8	75	43	9	125	81	14.5	169	114
0.92	32	11	3.9	75	43	9.1	125	81	14.75	169	114
0.95	32	11	4	75	43	9.2	125	81	15	169	114
0.98	34	12	4.1	75	43	9.3	125	81	15.25	178	120
1	34	12	4.2	75	43	9.4	125	81	15.5	178	120
1.05	34	12	4.3	80	47	9.5	125	81	15.75	178	120
1.1	36	14	4.4	80	47	9.6	133	87	16	178	120
1.15	36	14	4.5	80	47	9.7	133	87	16.25	184	125
1.2	38	16	4.6	80	47	9.8	133	87	16.5	184	125
1.25	38	16	4.7	80	47	9.9	133	87	16.75	184	125
1.3	38	16	4.8	86	52	10	133	87	17	184	125
1.35	40	18	4.9	86	52	10.1	133	87	17.25	191	130
1.4	40	18	5	86	52	10.2	133	87	17.5	191	130
1.45	40	18	5.1	86	52	10.3	133	87	17.75	191	130
1.5	40	18	5.2	86	52	10.4	133	87	18	191	130
1.55	43	20	5.3	86	52	10.5	133	87	18.25	198	135
1.6	43	20	5.4	93	57	10.6	133	87	18.5	198	135
1.65	43	20	5.5	93	57	10.7	142	94	18.75	198	135
1.7	43	20	5.6	93	57	10.8	142	94	19	198	135
1.75	46	22	5.7	93	57	10.9	142	94	19.25	205	140
1.8	46	22	5.8	93	57	11	142	94	19.5	205	140
1.85	46	22	5.9	93	57	11.1	142	94	19.75	205	140
1.9	46	22	6	93	57	11.2	142	94	20	205	140
1.95	49	24	6.1	101	63	11.3	142	94			



HSS Straight Shank Twist Drills DIN340

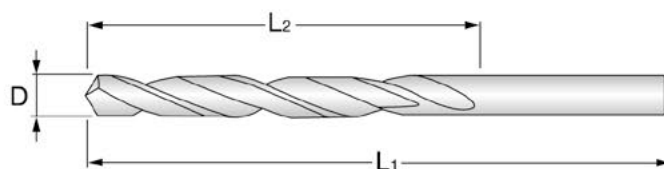


D:Diameter
L1:Overall Length
L2:Flute Length

D	L1	L2	D	L1	L2	D	L1	L2	D	L1	L2
1	56	33	5.1	132	87	9.2	175	115	13.3	214	140
1.1	60	37	5.2	132	87	9.3	175	115	13.4	214	140
1.2	65	41	5.3	132	87	9.4	175	115	13.5	214	140
1.3	65	41	5.4	139	91	9.5	175	115	13.6	214	140
1.4	70	45	5.5	139	91	9.6	184	121	13.7	214	140
1.5	70	45	5.6	139	91	9.7	184	121	13.8	214	140
1.6	76	50	5.7	139	91	9.8	184	121	13.9	214	140
1.7	76	50	5.8	139	91	9.9	184	121	14	214	140
1.8	80	53	5.9	139	91	10	184	121	14.25	220	144
1.9	80	53	6	139	91	10.1	184	121	14.5	220	144
2	85	56	6.1	148	97	10.2	184	121	14.75	220	144
2.1	85	56	6.2	148	97	10.3	184	121	15	220	144
2.2	90	56	6.3	148	97	10.4	184	121	15.25	227	149
2.3	90	56	6.4	148	97	10.5	184	121	15.5	227	149
2.4	95	62	6.5	148	97	10.6	184	121	15.75	227	149
2.5	95	62	6.6	148	97	10.7	195	128	16	227	149
2.6	95	62	6.7	148	97	10.8	195	128	16.25	235	154
2.7	100	66	6.8	156	102	10.9	195	128	16.5	235	154
2.8	100	66	6.9	156	102	11	195	128	16.75	235	154
2.9	100	66	7	156	102	11.1	195	128	17	235	154
3	100	66	7.1	156	102	11.2	195	128	17.25	241	158
3.1	106	69	7.2	156	102	11.3	195	128	17.5	241	158
3.2	106	69	7.3	156	102	11.4	195	128	17.75	241	158
3.3	106	69	7.4	156	102	11.5	195	128	18	241	158
3.4	112	73	7.5	156	102	11.6	195	128	18.25	247	162
3.5	112	73	7.6	165	109	11.7	195	128	18.5	247	162
3.6	112	73	7.7	165	109	11.8	195	128	18.75	247	162
3.7	112	73	7.8	165	109	11.9	205	134	19	247	162
3.8	119	78	7.9	165	109	12	205	134	19.25	254	166
3.9	119	78	8	165	109	12.1	205	134	19.5	254	166
4	119	78	8.1	165	109	12.2	205	134	19.75	254	166
4.1	119	78	8.2	165	109	12.3	205	134	20	254	166
4.2	119	78	8.3	165	109	12.4	205	134			
4.3	126	82	8.4	165	109	12.5	205	134			
4.4	126	82	8.5	165	109	12.6	205	134			
4.5	126	82	8.6	175	115	12.7	205	134			
4.6	126	82	8.7	175	115	12.8	205	134			
4.7	126	82	8.8	175	115	12.9	205	134			
4.8	132	87	8.9	175	115	13	205	134			
4.9	132	87	9	175	115	13.1	205	134			
5	132	87	9.1	175	115	13.2	205	134			



HSS Straight Shank Twist Drills DIN1897

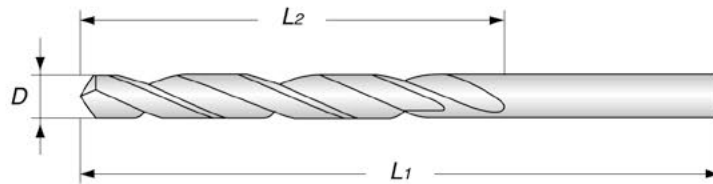


D:Diameter
L1:Overall Length
L2:Flute Length

D	L1	L2	D	L1	L2	D	L1	L2	D	L1	L2
1	26	6	4.9	62	26	8.8	84	40	12.7	102	51
1.1	28	7	5	62	26	8.9	84	40	12.8	102	51
1.2	30	8	5.1	62	26	9	84	40	12.9	102	51
1.3	30	8	5.2	62	26	9.1	84	40	13	102	51
1.4	32	9	5.3	62	26	9.2	84	40	13.1	102	51
1.5	32	9	5.4	66	28	9.3	84	40	13.2	102	51
1.6	34	10	5.5	66	28	9.4	84	40	13.3	107	54
1.7	34	10	5.6	66	28	9.5	84	40	13.4	107	54
1.8	36	11	5.7	66	28	9.6	89	43	13.5	107	54
1.9	36	11	5.8	66	28	9.7	89	43	13.6	107	54
2	38	12	5.9	66	28	9.8	89	43	13.7	107	54
2.1	38	12	6	66	28	9.9	89	43	13.8	107	54
2.2	40	13	6.1	70	31	10	89	43	13.9	107	54
2.3	40	13	6.2	70	31	10.1	89	43	14	107	54
2.4	43	14	6.3	70	31	10.2	89	43	14.25	111	56
2.5	43	14	6.4	70	31	10.3	89	43	14.5	111	56
2.6	43	14	6.5	70	31	10.4	89	43	14.75	111	56
2.7	46	16	6.6	70	31	10.5	89	43	15	111	56
2.8	46	16	6.7	70	31	10.6	89	43	15.25	115	58
2.9	46	16	6.8	74	34	10.7	95	47	15.5	115	58
3	46	16	6.9	74	34	10.8	95	47	15.75	115	58
3.1	49	18	7	74	34	10.9	95	47	16	115	58
3.2	49	18	7.1	74	34	11	95	47	16.25	119	60
3.3	49	18	7.2	74	34	11.1	95	47	16.5	119	60
3.4	52	20	7.3	74	34	11.2	95	47	16.75	119	60
3.5	52	20	7.4	74	34	11.3	95	47	17	119	60
3.6	52	20	7.5	74	34	11.4	95	47	17.25	123	62
3.7	52	20	7.6	79	37	11.5	95	47	17.5	123	62
3.8	55	22	7.7	79	37	11.6	95	47	17.75	123	62
3.9	55	22	7.8	79	37	11.7	95	47	18	123	62
4	55	22	7.9	79	37	11.8	95	47	18.25	127	64
4.1	55	22	8	79	37	11.9	102	51	18.5	127	64
4.2	55	22	8.1	79	37	12	102	51	18.75	127	64
4.3	58	24	8.2	79	37	12.1	102	51	19	127	64
4.4	58	24	8.3	79	37	12.2	102	51	19.25	131	66
4.5	58	24	8.4	79	37	12.3	102	51	19.5	131	66
4.6	58	24	8.5	79	37	12.4	102	51	19.75	131	66
4.7	58	24	8.6	84	40	12.5	102	51	20	131	66
4.8	62	26	8.7	84	40	12.6	102	51			



HSS Straight Shank Twist Drills -DIN1869



D:Diameter
L1:Overall Length
L2:Flute Length

DIN1869-I

D	L1	L2
2.00	125	85
2.50	140	95
3.00	150	100
3.50	165	115
4.00	175	120
4.50	185	125
5.00	195	135
5.50	205	140
6.00	205	140
6.50	215	150
7.00	225	155
7.50	225	155
8.00	240	165
8.50	240	165
9.00	250	175
9.50	250	175
10.00	265	185
10.50	265	185
11.00	280	195
11.50	280	195
12.00	295	205
12.50	295	205
13.00	295	205

DIN1869-II

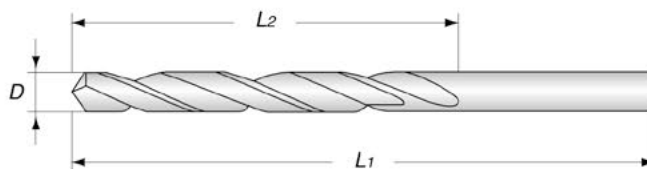
D	L1	L2
2.00	160	110
2.50	180	120
3.00	190	130
3.50	210	145
4.00	220	150
4.50	235	160
5.00	245	170
5.50	260	180
6.00	260	180
6.50	275	190
7.00	290	200
7.50	290	200
8.00	305	210
8.50	305	210
9.00	320	220
9.50	320	220
10.00	340	235
10.50	340	235
11.00	365	250
11.50	365	250
12.00	375	260
12.50	375	260
13.00	375	260

DIN1869-III

D	L1	L2
2.00	200	135
2.50	225	150
3.00	240	160
3.50	265	180
4.00	280	190
4.50	295	200
5.00	315	210
5.50	330	225
6.00	330	225
6.50	350	235
7.00	370	250
7.50	370	250
8.00	390	265
8.50	390	265
9.00	410	280
9.50	410	280
10.00	430	295
10.50	430	295
11.00	455	310
11.50	455	310
12.00	480	330
12.50	480	330
13.00	480	330



HSS Straight Shank Twist Drills -Jobber Length



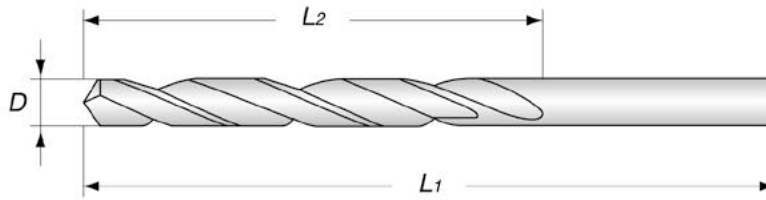
D:Diameter
L₁:Overall Length
L₂:Flute Length

D	L ₁	L ₂
1/64"	3/4"	3/16"
1/32"	1-3/8"	1/2"
3/64"	1-3/4"	3/4"
1/16"	1-7/8"	7/8"
5/64"	2"	1"
3/32"	2-1/4"	1-1/4"
7/64"	2-5/8"	1-1/2"
1/8"	2-3/4"	1-5/8"
9/64"	2-7/8"	1-3/4"
5/32"	3-1/8"	2"
11/64"	3-1/4"	2-1/8"
3/16"	3-1/2"	2-5/16"
13/64"	3-5/8"	2-7/16"
7/32"	3-3/4"	2-1/2"
15/64"	3-7/8"	2-5/8"
1/4"	4"	2-3/4"
17/64"	4-1/8"	2-7/8"
9/32"	4-1/4"	2-15/16"
19/64"	4-3/8"	3-1/16"
5/16"	4-1/2"	3-3/16"
21/64"	4-5/8"	3-5/16"
11/32"	4-3/4"	3-7/16"
23/64"	4-7/8"	3-1/2"
3/8"	5"	3-5/8"
25/64"	5-1/8"	3-3/4"
13/32"	5-1/4"	3-7/8"
27/64"	5-3/8"	3-15/16"
7/16"	5-1/2"	4-1/16"
29/64"	5-5/8"	4-3/16"
15/32"	5-3/4"	4-5/16"
31/64"	5-7/8"	4-3/8"
1/2"	6"	4-1/2"
33/64"	6-5/8"	4-13/16"
17/32"	6-5/8"	4-13/16"
35/64"	6-5/8"	4-13/16"
9/16"	6-5/8"	4-13/16"
37/64"	6-5/8"	4-13/16"
19/32"	7-1/8"	5-3/16"
39/64"	7-1/8"	5-3/16"
5/8"	7-1/8"	5-3/16"
41/64"	7-1/8"	5-3/16"
21/32"	7-1/8"	5-3/16"
43/64"	7-5/8"	5-5/8"
11/16"	7-5/8"	5-5/8"
45/64"	7-5/8"	5-5/8"
23/32"	7-5/8"	5-5/8"
47/64"	7-5/8"	5-5/8"
3/4"	7-5/8"	5-5/8"

D	L ₁	L ₂
1#	3-7/8"	2-5/8"
2#	3-7/8"	2-5/8"
3#	3-3/4"	2-1/2"
4#	3-3/4"	2-1/2"
5#	3-3/4"	2-1/2"
6#	3-3/4"	2-1/2"
7#	3-5/8"	2-7/16"
8#	3-5/8"	2-7/16"
9#	3-5/8"	2-7/16"
10#	3-5/8"	2-7/16"
11#	3-1/2"	2-5/16"
12#	3-1/2"	2-5/16"
13#	3-1/2"	2-5/16"
14#	3-3/8"	2-3/16"
15#	3-3/8"	2-3/16"
16#	3-3/8"	2-3/16"
17#	3-3/8"	2-3/16"
18#	3-1/4"	2-1/8"
19#	3-1/4"	2-1/8"
20#	3-1/4"	2-1/8"
21#	3-1/4"	2-1/8"
22#	3-1/8"	2"
23#	3-1/8"	2"
24#	3-1/8"	2"
25#	3"	1-7/8"
26#	3"	1-7/8"
27#	3"	1-7/8"
28#	2-7/8"	1-3/4"
29#	2-7/8"	1-3/4"
30#	2-3/4"	1-5/8"
31#	2-3/4"	1-5/8"
32#	2-3/4"	1-5/8"
33#	2-5/8"	1-1/2"
34#	2-5/8"	1-1/2"
35#	2-5/8"	1-1/2"
36#	2-1/2"	1-7/16"
37#	2-1/2"	1-7/16"
38#	2-1/2"	1-7/16"
39#	2-3/8"	1-3/8"
40#	2-3/8"	1-3/8"



HSS Straight Shank Twist Drills -Jobber Length



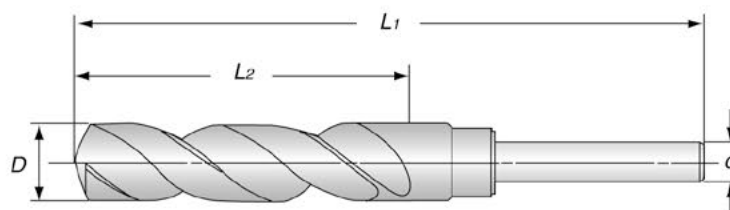
D:Diameter
L₁:Overall Length
L₂:Flute Length

D	L ₁	L ₂
41#	2-3/8"	1-3/8"
42#	2-1/4"	1-1/4"
43#	2-1/4"	1-1/4"
44#	2-1/8"	1-1/8"
45#	2-1/8"	1-1/8"
46#	2-1/8"	1-1/8"
47#	2"	1"
48#	2"	1"
49#	2"	1"
50#	2"	1"
51#	2"	1"
52#	1-7/8"	7/8"
53#	1-7/8"	7/8"
54#	1-7/8"	7/8"
55#	1-7/8"	7/8"
56#	1-3/4"	3/4"
57#	1-3/4"	3/4"
58#	1-5/8"	11/16"
59#	1-5/8"	11/16"
60#	1-5/8"	11/16"
61#	1-5/8"	11/16"
62#	1-1/2"	5/8"
63#	1-1/2"	5/8"
64#	1-1/2"	5/8"
65#	1-1/2"	5/8"
66#	1-3/8"	1/2"
67#	1-3/8"	1/2"
68#	1-3/8"	1/2"
69#	1-3/8"	1/2"
70#	1-1/4"	3/8"
71#	1-1/4"	3/8"
72#	1-1/8"	5/16"
73#	1-1/8"	5/16"
74#	1"	1/4"
75#	1"	1/4"
76#	7/8"	3/16"
77#	7/8"	3/16"
78#	7/8"	3/16"
79#	3/4"	1/8"
80#	3/4"	1/8"

D	L ₁	L ₂
A	3-7/8"	2-5/8"
B	4"	2-3/4"
C	4"	2-3/4"
D	4"	2-3/4"
E	4"	2-3/4"
F	4-1/8"	2-7/8"
G	4-1/8"	2-7/8"
H	4-1/8"	2-7/8"
I	4-1/8"	2-7/8"
J	4-1/8"	2-7/8"
K	4-1/4"	2-15/16"
L	4-1/4"	2-15/16"
M	4-3/8"	3-1/16"
N	4-3/8"	3-1/16"
O	4-1/2"	3-3/16"
P	4-5/8"	3-5/16"
Q	4-3/4"	3-7/16"
R	4-3/4"	3-7/16"
S	4-7/8"	3-1/2"
T	4-7/8"	3-1/2"
U	5"	3-5/8"
V	5"	3-5/8"
W	5-1/8"	3-3/4"
X	5-1/8"	3-3/4"
Y	5-1/4"	3-7/8"
Z	5-1/4"	3-7/8"



HSS 1/2" Parallel Shank Drill Bit



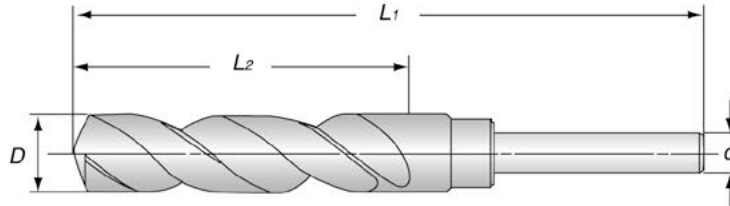
D:Diameter
L1:Overall Length
L2:Flute Length
d:Shank Diameter

D	L1	L2	d
10.00	152	76	9.5
10.50	152	76	9.5
11.00	152	76	9.5
11.50	152	76	9.5
12.00	152	76	9.5
12.50	152	76	9.5
13.00	152	76	9.5
13.50	152	76	9.5
14.00	152	76	9.5
14.50	152	76	9.5
15.00	152	76	9.5
15.50	152	76	9.5
16.00	152	76	9.5
16.50	152	76	9.5
17.00	152	76	9.5
17.50	152	76	9.5
18.00	152	76	9.5
18.50	152	76	9.5
19.00	152	76	9.5
19.50	152	76	9.5
20.00	152	76	9.5
20.50	152	76	9.5
21.00	152	76	9.5
21.50	152	76	9.5
22.00	152	76	9.5
22.50	152	76	9.5
23.00	152	76	9.5
23.50	152	76	9.5
24.00	152	76	9.5
24.50	152	76	9.5
25.00	152	76	9.5

D	L1	L2	d
13.00	152	76	12.7
13.50	152	76	12.7
14.00	152	76	12.7
14.50	152	76	12.7
15.00	152	76	12.7
15.50	152	76	12.7
16.00	152	76	12.7
16.50	152	76	12.7
17.00	152	76	12.7
17.50	152	76	12.7
18.00	152	76	12.7
18.50	152	76	12.7
19.00	152	76	12.7
19.50	152	76	12.7
20.00	152	76	12.7
20.50	152	76	12.7
21.00	152	76	12.7
21.50	152	76	12.7
22.00	152	76	12.7
22.50	152	76	12.7
23.00	152	76	12.7
23.50	152	76	12.7
24.00	152	76	12.7
24.50	152	76	12.7
25.00	152	76	12.7
25.50	152	76	12.7
26.00	152	76	12.7
26.50	152	76	12.7
27.00	152	76	12.7
27.50	152	76	12.7
28.00	152	76	12.7
28.50	152	76	12.7
29.00	152	76	12.7
29.50	152	76	12.7
30.00	152	76	12.7



HSS 1/2" Parallel Shank Drill Bit



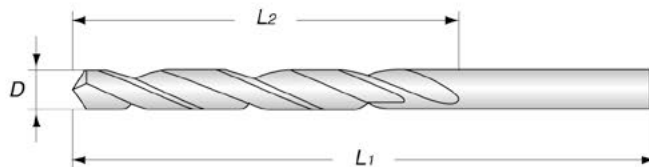
D:Diameter
L1:Overall Length
L2:Flute Length
d:Shank Diameter

D	L1	L2	d
33/64"	6"	3"	1/2"
17/32"	6"	3"	1/2"
35/64"	6"	3"	1/2"
9/16"	6"	3"	1/2"
37/64"	6"	3"	1/2"
19/32"	6"	3"	1/2"
39/64"	6"	3"	1/2"
5/8"	6"	3"	1/2"
41/64"	6"	3"	1/2"
21/32"	6"	3"	1/2"
43/64"	6"	3"	1/2"
11/16"	6"	3"	1/2"
45/64"	6"	3"	1/2"
23/32"	6"	3"	1/2"
47/64"	6"	3"	1/2"
3/4"	6"	3"	1/2"
49/64"	6"	3"	1/2"
25/32"	6"	3"	1/2"
51/64"	6"	3"	1/2"
13/16"	6"	3"	1/2"
53/64"	6"	3"	1/2"
27/32"	6"	3"	1/2"
55/64"	6"	3"	1/2"
7/8"	6"	3"	1/2"
57/64"	6"	3"	1/2"
29/32"	6"	3"	1/2"
59/64"	6"	3"	1/2"
15/16"	6"	3"	1/2"
61/64"	6"	3"	1/2"
31/32"	6"	3"	1/2"
63/64"	6"	3"	1/2"
1"	6"	3"	1/2"

D	L1	L2	d
1-1/64"	6"	3"	1/2"
1-1/32"	6"	3"	1/2"
1-3/64"	6"	3"	1/2"
1-1/16"	6"	3"	1/2"
1-5/64"	6"	3"	1/2"
1-3/32"	6"	3"	1/2"
1-7/64"	6"	3"	1/2"
1-1/8"	6"	3"	1/2"
1-9/64"	6"	3"	1/2"
1-5/32"	6"	3"	1/2"
1-11/64"	6"	3"	1/2"
1-3/16"	6"	3"	1/2"
1-13/64"	6"	3"	1/2"
1-7/32"	6"	3"	1/2"
1-15/64"	6"	3"	1/2"
1-1/4"	6"	3"	1/2"
1-17/64"	6"	3"	1/2"
1-9/32"	6"	3"	1/2"
1-19/64"	6"	3"	1/2"
1-5/16"	6"	3"	1/2"
1-21/64"	6"	3"	1/2"
1-11/32"	6"	3"	1/2"
1-23/64"	6"	3"	1/2"
1-3/8"	6"	3"	1/2"
1-25/64"	6"	3"	1/2"
1-13/32"	6"	3"	1/2"
1-27/64"	6"	3"	1/2"
1-7/16"	6"	3"	1/2"
1-29/64"	6"	3"	1/2"
1-15/32"	6"	3"	1/2"
1-31/64"	6"	3"	1/2"
1-1/2"	6"	3"	1/2"



HSS Straight Shank Twist Drills -Taper Length



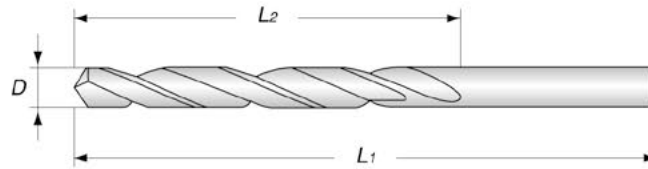
D:Diameter
L1:Overall Length
L2:Flute Length

D	L1	L2
1/64"	1-1/2"	5/16"
1/32"	2"	3/4"
3/64"	2-1/4"	1-1/8"
1/16"	3"	1-3/4"
5/64"	3-3/4"	2"
3/32"	4-1/4"	2-1/4"
7/64"	4-5/8"	2-1/2"
1/8"	5-1/8"	2-3/4"
9/64"	5-3/8"	3"
5/32"	5-3/8"	3"
11/64"	5-3/4"	3-3/8"
3/16"	5-3/4"	3-3/8"
13/64"	6"	3-5/8"
7/32"	6"	3-5/8"
15/64"	6-1/8"	3-3/4"
1/4"	6-1/8"	3-3/4"
17/64"	6-1/4"	3-7/8"
9/32"	6-1/4"	3-7/8"
19/64"	6-3/8"	4"
5/16"	6-3/8"	4"
21/64"	6-1/2"	4-1/8"
11/32"	6-1/2"	4-1/8"
23/64"	6-3/4"	4-1/4"
3/8"	6-3/4"	4-1/4"
25/64"	7"	4-3/8"
13/32"	7"	4-3/8"
27/64"	7-1/4"	4-5/8"
7/16"	7-1/4"	4-5/8"
29/64"	7-1/2"	4-3/4"
15/32"	7-1/2"	4-3/4"
31/64"	7-3/4"	4-3/4"
1/2"	7-3/4"	4-3/4"

D	L1	L2
33/64"	8"	4-3/4"
17/32"	8"	4-3/4"
35/64"	8-1/4"	4-7/8"
9/16"	8-1/4"	4-7/8"
37/64"	8-3/4"	4-7/8"
19/32"	8-3/4"	4-7/8"
39/64"	8-3/4"	4-7/8"
5/8"	8-3/4"	4-7/8"
41/64"	9"	5-1/8"
21/32"	9"	5-1/8"
43/64"	9-1/4"	5-3/8"
11/16"	9-1/4"	5-3/8"
45/64"	9-1/2"	5-5/8"
23/32"	9-1/2"	5-5/8"
47/64"	9-3/4"	5-7/8"
3/4"	9-3/4"	5-7/8"
49/64"	9-7/8"	6"
25/32"	9-7/8"	6"
51/64"	10"	6-1/8"
13/16"	10"	6-1/8"
53/64"	10"	6-1/8"
27/32"	10"	6-1/8"
55/64"	10"	6-1/8"
7/8"	10"	6-1/8"
57/64"	10"	6-1/8"
29/32"	10"	6-1/8"
59/64"	10-3/4"	6-1/8"
15/16"	10-3/4"	6-1/8"
61/64"	11"	6-4/8"
31/32"	11"	6-4/8"
63/64"	11"	6-4/8"
1"	11"	6-4/8"



HSS Straight Shank Twist Drills -Taper Length



D:Diameter

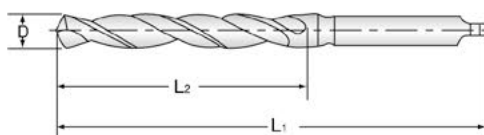
L1:Overall Length

L2:Flute Length

D	L1	L2	D	L1	L2	D	L1	L2
1#	6-1/8"	3-3/4"	41#	4-5/8"	2-1/2"	A	6-1/8"	3-3/4"
2#	6-1/8"	3-3/4"	42#	4-1/4"	2-1/4"	B	6-1/8"	3-3/4"
3#	6"	3-5/8"	43#	4-1/4"	2-1/4"	C	6-1/8"	3-3/4"
4#	6"	3-5/8"	44#	4-1/4"	2-1/4"	D	6-1/8"	3-3/4"
5#	6"	3-5/8"	45#	4-1/4"	2-1/4"	E	6-1/8"	3-3/4"
6#	6"	3-5/8"	46#	4-1/4"	2-1/4"	F	6-1/4"	3-7/8"
7#	6"	3-5/8"	47#	4-1/4"	2-1/4"	G	6-1/4"	3-7/8"
8#	6"	3-5/8"	48#	3-3/4"	2"	H	6-1/4"	3-7/8"
9#	6"	3-5/8"	49#	3-3/4"	2"	I	6-1/4"	3-7/8"
10#	6"	3-5/8"	50#	3-3/4"	2"	J	6-1/4"	3-7/8"
11#	6"	3-5/8"	51#	3-3/4"	2"	K	6-1/4"	3-7/8"
12#	6"	3-5/8"	52#	3-3/4"	2"	L	6-3/8"	4"
13#	5-3/4"	3-3/8"	53#	3"	1-3/4"	M	6-3/8"	4"
14#	5-3/4"	3-3/8"	54#	3"	1-3/4"	N	6-3/8"	4"
15#	5-3/4"	3-3/8"	55#	3"	1-3/4"	O	6-1/2"	4-1/8"
16#	5-3/4"	3-3/8"	56#	2-1/4"	1-1/8"	P	6-1/2"	4-1/8"
17#	5-3/4"	3-3/8"	57#	2-1/4"	1-1/8"	Q	6-1/2"	4-1/8"
18#	5-3/4"	3-3/8"	58#	2-1/4"	1-1/8"	R	6-1/2"	4-1/8"
19#	5-3/4"	3-3/8"	59#	2-1/4"	1-1/8"	S	6-3/4"	4-1/4"
20#	5-3/4"	3-3/8"	60#	2-1/4"	1-1/8"	T	6-3/4"	4-1/4"
21#	5-3/4"	3-3/8"	61#	2-1/4"	1-1/8"	U	6-3/4"	4-1/4"
22#	5-3/4"	3-3/8"	62#	2"	3/4"	V	7"	4-3/8"
23#	5-3/8"	3"	63#	2"	3/4"	W	7"	4-3/8"
24#	5-3/8"	3"	64#	2"	3/4"	X	7"	4-3/8"
25#	5-3/8"	3"	65#	2"	3/4"	Y	7"	4-3/8"
26#	5-3/8"	3"	66#	2"	3/4"	Z	7-1/4"	4-5/8"
27#	5-3/8"	3"	67#	2"	3/4"			
28#	5-3/8"	3"	68#	2"	3/4"			
29#	5-3/8"	3"	69#	2"	3/4"			
30#	5-3/8"	3"	70#	2"	3/4"			
31#	5-1/8"	2-3/4"	71#	2"	3/4"			
32#	5-1/8"	2-3/4"	72#	1-1/2"	5/16"			
33#	5-1/8"	2-3/4"	73#	1-1/2"	5/16"			
34#	5-1/8"	2-3/4"	74#	1-1/2"	5/16"			
35#	5-1/8"	2-3/4"	75#	1-1/2"	5/16"			
36#	4-5/8"	2-1/2"	76#	1-1/2"	5/16"			
37#	4-5/8"	2-1/2"	77#	1-1/2"	5/16"			
38#	4-5/8"	2-1/2"	78#	1-1/2"	5/16"			
39#	4-5/8"	2-1/2"	79#	1-1/2"	5/16"			
40#	4-5/8"	2-1/2"	80#	1-1/2"	5/16"			



Taper Shank Twist Drills DIN345

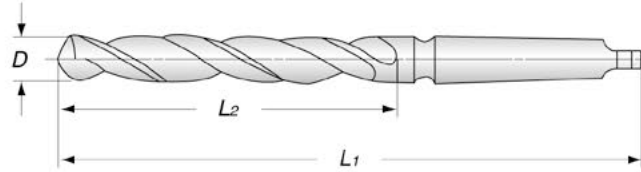


D:Diameter
L1:Overall Length
L2:Flute Length

D	L1	L2	MTNO	D	L1	L2	MTNO	D	L1	L2	MTNO	D	L1	L2	MTNO
5	133	52	1	17.75	228	130	2	30.5	301	180	3	54	417	230	5
5.2	133	52	1	18	228	130	2	30.75	301	180	3	55	417	230	5
5.5	138	57	1	18.25	233	135	2	31	301	180	3	56	417	230	5
5.8	138	57	1	18.5	233	135	2	31.25	301	180	3	57	422	235	5
6	138	57	1	18.75	233	135	2	31.5	301	180	3	58	422	235	5
6.2	144	63	1	19	233	135	2	31.75	306	185	3	59	422	235	5
6.5	144	63	1	19.25	238	140	2	32	334	185	4	60	422	235	5
6.8	150	69	1	19.5	238	140	2	32.5	334	185	4	61	427	240	5
7	150	69	1	19.75	238	140	2	33	334	185	4	62	427	240	5
7.2	150	69	1	20	238	140	2	33.5	334	185	4	63	427	240	5
7.5	150	69	1	20.25	243	145	2	34	339	190	4	64	432	245	5
7.8	156	75	1	20.5	243	145	2	34.5	339	190	4	65	432	245	5
8	156	75	1	20.75	243	145	2	35	339	190	4	66	432	245	5
8.2	156	75	1	21	243	145	2	35.5	339	190	4	67	432	245	5
8.5	156	75	1	21.25	248	150	2	36	344	195	4	68	437	250	5
8.8	162	81	1	21.5	248	150	2	36.5	344	195	4	69	437	250	5
9	162	81	1	21.75	248	150	2	37	344	195	4	70	437	250	5
9.2	162	81	1	22	248	150	2	37.5	344	195	4	71	437	250	5
9.5	162	81	1	22.25	248	150	2	38	349	200	4	72	442	255	5
9.8	168	87	1	22.5	253	155	2	38.5	349	200	4	73	442	255	5
10	168	87	1	22.75	253	155	2	39	349	200	4	74	442	255	5
10.2	168	87	1	23	253	155	2	39.5	349	200	4	75	442	255	5
10.5	168	87	1	23.25	276	155	3	40	349	200	4	76	447	260	5
10.8	175	94	1	23.5	276	155	3	40.5	354	205	4	77	514	260	6
11	175	94	1	23.75	281	160	3	41	354	205	4	78	514	260	6
11.2	175	94	1	24	281	160	3	41.5	354	205	4	79	514	260	6
11.5	175	94	1	24.25	281	160	3	42	354	205	4	80	514	260	6
11.8	175	94	1	24.5	281	160	3	42.5	354	205	4	81	519	265	6
12	182	101	1	24.75	281	160	3	43	359	210	4	82	519	265	6
12.2	182	101	1	25	281	160	3	43.25	359	210	4	83	519	265	6
12.5	182	101	1	25.25	286	165	3	43.5	359	210	4	84	519	265	6
12.8	182	101	1	25.5	286	165	3	43.75	359	210	4	85	519	265	6
13	182	101	1	25.75	286	165	3	44	359	210	4	86	524	270	6
13.2	182	101	1	26	286	165	3	44.25	359	210	4	87	524	270	6
13.5	189	108	1	26.25	286	165	3	44.5	359	210	4	88	524	270	6
13.8	189	108	1	26.5	286	165	3	44.75	359	210	4	89	524	270	6
14	189	108	1	26.75	291	170	3	45	359	210	4	90	524	270	6
14.25	212	114	2	27	291	170	3	45.5	364	215	4	91	529	275	6
14.5	212	114	2	27.25	291	170	3	46	364	215	4	92	529	275	6
14.75	212	114	2	27.5	291	170	3	46.5	364	215	4	93	529	275	6
15	212	114	2	27.75	291	170	3	47	364	215	4	94	529	275	6
15.25	218	120	2	28	291	170	3	47.5	364	215	4	95	529	275	6
15.5	218	120	2	28.25	296	175	3	48	369	220	4	96	534	280	6
15.75	218	120	2	28.5	296	175	3	48.5	369	220	4	97	534	280	6
16	218	120	2	28.75	296	175	3	49	369	220	4	98	534	280	6
16.25	223	125	2	29	296	175	3	49.5	369	220	4	99	534	280	6
16.5	223	125	2	29.25	296	175	3	50	369	220	4	100	534	280	6
16.75	223	125	2	29.5	296	175	3	50.5	374	225	4				
17	223	125	2	29.75	296	175	3	51	412	225	5				
17.25	228	130	2	30	296	175	3	52	412	225	5				
17.5	228	130	2	30.25	301	180	3	53	412	225	5				



HSS Taper Shank Twist Drills -ANSI Standard



D:Diameter

L1:Overall Length

L2:Flute Length

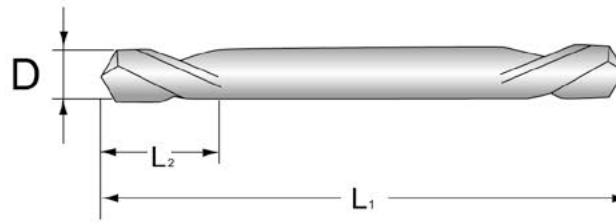
D	L1	L2	Shank	D	L1	L2	Shank	D (mm)	L1 (mm)	L2 (mm)	Shank
1/8"	5-1/8"	1-7/8"	1#	1"	11"	6-3/8"	3#	1-7/8"	17-3/8"	10-3/8"	5#
9/64"	5-3/8"	2-1/8"	1#	1-1/64"	11-1/8"	6-1/2"	3#	1-57/64"	17-3/8"	10-3/8"	5#
5/32"	5-3/8"	2-1/8"	1#	1-1/32"	11-1/8"	6-1/2"	3#	1-29/32"	17-3/8"	10-3/8"	5#
11/64"	5-3/4"	2-1/2"	1#	1-3/64"	11-1/4"	6-5/8"	3#	1-59/64"	17-3/8"	10-3/8"	5#
3/16"	5-3/4"	2-1/2"	1#	1-1/16"	11-1/4"	6-5/8"	3#	1-15/16"	17-3/8"	10-3/8"	5#
13/64"	6"	2-3/4"	1#	1-5/64"	12-1/2"	6-7/8"	4#	1-61/64"	17-3/8"	10-3/8"	5#
7/32"	6"	2-3/4"	1#	1-3/32"	12-1/2"	6-7/8"	4#	1-31/32"	17-3/8"	10-3/8"	5#
15/64"	6-1/8"	2-7/8"	1#	1-7/64"	12-3/4"	7-1/8"	4#	1-63/64"	17-3/8"	10-3/8"	5#
1/4"	6-1/8"	2-7/8"	1#	1-1/8"	12-3/4"	7-1/8"	4#	2"	17-3/8"	10-3/8"	5#
17/64"	6-1/4"	3"	1#	1-9/64"	12-7/8"	7-1/4"	4#	2-1/64"	17-3/8"	10-3/8"	5#
9/32"	6-1/4"	3"	1#	1-5/32"	12-7/8"	7-1/4"	4#	2-1/32"	17-3/8"	10-3/8"	5#
19/64"	6-3/8"	3-1/8"	1#	1-11/64"	13"	7-3/8"	4#	2-3/64"	17-3/8"	10-1/4"	5#
5/16"	6-3/8"	3-1/8"	1#	1-3/16"	13"	7-3/8"	4#	2-1/16"	17-3/8"	10-1/4"	5#
21/64"	6-1/2"	3-1/4"	1#	1-13/64"	13-1/8"	7-1/2"	4#	2-3/32"	17-3/8"	10-1/4"	5#
11/32"	6-1/2"	3-1/4"	1#	1-7/32"	13-1/8"	7-1/2"	4#	2-1/8"	17-3/8"	10-1/4"	5#
23/64"	6-3/4"	3-1/2"	1#	1-15/64"	13-1/2"	7-7/8"	4#	2-5/32"	17-3/8"	10-1/4"	5#
3/8"	6-3/4"	3-1/2"	1#	1-1/4"	13-1/2"	7-7/8"	4#	2-3/16"	17-3/8"	10-1/4"	5#
25/64"	7"	3-5/8"	1#	1-17/64"	14-1/8"	8-1/2"	4#	2-7/32"	17-3/8"	10-1/8"	5#
13/32"	7"	3-5/8"	1#	1-9/32"	14-1/8"	8-1/2"	4#	2-1/4"	17-3/8"	10-1/8"	5#
27/64"	7-1/4"	3-7/8"	1#	1-19/64"	14-1/4"	8-5/8"	4#	2-9/32"	17-3/8"	10-1/8"	5#
7/16"	7-1/4"	3-7/8"	1#	1-5/16"	14-1/4"	8-5/8"	4#	2-5/16"	17-3/8"	10-1/8"	5#
29/64"	7-1/2"	4-1/8"	1#	1-21/64"	14-3/8"	8-3/4"	4#	2-11/32"	17-3/8"	10-1/8"	5#
15/32"	7-1/2"	4-1/8"	1#	1-11/32"	14-3/8"	8-3/4"	4#	2-3/8"	17-3/8"	10-1/8"	5#
31/64"	8-1/4"	4-3/8"	2#	1-23/64"	14-1/2"	8-7/8"	4#	2-13/32"	18-3/4"	11-1/4"	5#
1/2"	8-1/4"	4-3/8"	2#	1-3/8"	14-1/2"	8-7/8"	4#	2-7/16"	18-3/4"	11-1/4"	5#
33/64"	8-1/2"	4-5/8"	2#	1-25/64"	14-5/8"	9"	4#	2-15/32"	18-3/4"	11-1/4"	5#
17/32"	8-1/2"	4-5/8"	2#	1-13/32"	14-5/8"	9"	4#	2-1/2"	18-3/4"	11-1/4"	5#
35/64"	8-3/4"	4-7/8"	2#	1-27/64"	14-3/4"	9-1/8"	4#	2-17/32"	19-1/2"	11-7/8"	5#
9/16"	8-3/4"	4-7/8"	2#	1-7/16"	14-3/4"	9-1/8"	4#	2-9/16"	19-1/2"	11-7/8"	5#
37/64"	8-3/4"	4-7/8"	2#	1-29/64"	14-7/8"	9-1/4"	4#	2-19/32"	19-1/2"	11-7/8"	5#
19/32"	8-3/4"	4-7/8"	2#	1-15/32"	14-7/8"	9-1/4"	4#	2-5/8"	19-1/2"	11-7/8"	5#
39/64"	8-3/4"	4-7/8"	2#	1-31/64"	15"	9-3/8"	4#	2-21/32"	20-3/8"	12-3/4"	5#
5/8"	8-3/4"	4-7/8"	2#	1-1/2"	14"	9-3/8"	4#	2-11/16"	20-3/8"	12-3/4"	5#
41/64"	9"	5-1/8"	2#	1-33/64"	16-3/8"	9-3/8"	5#	2-23/32"	20-3/8"	12-3/4"	5#
21/32"	9"	5-1/8"	2#	1-17/32"	16-3/8"	9-3/8"	5#	2-3/4"	20-3/8"	12-3/4"	5#
43/64"	9-1/4"	5-3/8"	2#	1-35/64"	16-5/8"	9-5/8"	5#	2-25/32"	21-1/8"	13-3/8"	5#
11/16"	9-1/4"	5-3/8"	2#	1-9/16"	16-5/8"	9-5/8"	5#	2-13/16"	21-1/8"	13-3/8"	5#
45/64"	9-1/2"	5-5/8"	2#	1-37/64"	16-7/8"	9-7/8"	5#	2-27/32"	21-1/8"	13-3/8"	5#
23/32"	9-1/2"	5-5/8"	2#	1-19/32"	16-7/8"	9-7/8"	5#	2-7/8"	21-1/8"	13-3/8"	5#
47/64"	9-3/4"	5-7/8"	2#	1-39/64"	17"	10"	5#	2-29/32"	21-1/8"	13-3/8"	5#
3/4"	9-3/4"	5-7/8"	2#	1-5/8"	17"	10"	5#	2-15/16"	21-3/4"	14"	5#
49/64"	9-7/8"	6"	2#	1-41/64"	17-1/8"	10-1/8"	5#	2-31/32"	21-3/4"	14"	5#
25/32"	9-7/8"	6"	2#	1-21/32"	17-1/8"	10-1/8"	5#	3"	21-3/4"	14"	5#
51/64"	10-3/4"	6-1/8"	3#	1-43/64"	17-1/8"	10-1/8"	5#	3-1/16"	24-1/2"	14-5/8"	5#
13/16"	10-3/4"	6-1/8"	3#	1-11/16"	17-1/8"	10-1/8"	5#	3-1/8"	24-1/2"	14-5/8"	6#
53/64"	10-3/4"	6-1/8"	3#	1-45/64"	17-1/8"	10-1/8"	5#	3-3/16"	24-1/2"	14-5/8"	6#
27/32"	10-3/4"	6-1/8"	3#	1-23/32"	17-1/8"	10-1/8"	5#	3-1/4"	24-1/2"	15-1/2"	6#
55/64"	10-3/4"	6-1/8"	3#	1-47/64"	17-1/8"	10-1/8"	5#	3-5/16"	25-1/2"	15-1/2"	6#
7/8"	10-3/4"	6-1/8"	3#	1-3/4"	17-1/8"	10-1/8"	5#	3-3/8"	25-1/2"	15-1/2"	6#
57/64"	10-3/4"	6-1/8"	3#	1-49/64"	17-1/8"	10-1/8"	5#	3-7/16"	25-1/2"	15-1/2"	6#
29/32"	10-3/4"	6-1/8"	3#	1-25/32"	17-1/8"	10-1/8"	5#	3-1/2"	26-1/2"	16-3/8"	6#
59/64"	10-3/4"	6-1/8"	3#	1-51/64"	17-1/8"	10-1/8"	5#	3-5/8"	26-1/2"	16-3/8"	6#
15/16"	10-3/4"	6-1/8"	3#	1-13/16"	17-1/8"	10-1/8"	5#	3-3/4"	26-1/2"	16-3/8"	6#
61/64"	11"	6-3/8"	3#	1-53/64"	17-1/8"	10-1/8"	5#	3-7/8"	26-1/2"	16-3/8"	6#
31/32"	11"	6-3/8"	3#	1-27/32"	17-1/8"	10-1/8"	5#	4"	27-1/2"	17-1/2"	6#
63/64"	11"	6-3/8"	3#	1-55/64"	17-3/8"	10-3/8"	5#				



HSS DOUBLE END TWIST DRILL

APPLICATIONS:

For drilling in steel, cast steel, malleable iron, sintered metal, non-ferrous metal and plastic.



D:DIA
L1:Overall Length
L2:Working Length

DIA. (MM)	L1 (MM)	L2 (MM)	DIA. (MM)	L1 (MM)	L2 (MM)	DIA. (INCH)	L1 (INCH)	L2 (INCH)
2.00	38.0	7.5	6.00	66.0	19.0	7/64"	1-7/8"	1/2"
2.10	38.0	7.5	6.10	70.0	21.2	1/8"	2"	1/2"
2.20	38.0	7.5	6.20	70.0	21.2	9/64"	2"	1/2"
2.30	38.0	7.5	6.30	70.0	21.2	5/32"	2-1/16"	1/2"
2.40	38.0	7.5	6.40	70.0	21.2	3/16"	2-3/16"	1/2"
2.50	43.0	9.5	6.50	70.0	21.2	7/32"	2-3/8"	1/2"
2.60	43.0	9.5	6.60	70.0	21.2	1/4"	2-1/2"	1/2"
2.70	46.0	10.6	6.70	70.0	21.2	30#	2"	1/2"
2.80	46.0	10.6	6.80	74.0	23.6	20#	2-1/8"	1/2"
2.90	46.0	10.6	6.90	74.0	23.6	11#	2-1/4"	1/2"
3.00	46.0	10.6	7.00	74.0	23.6			
3.10	49.0	11.2	7.10	74.0	23.6			
3.20	49.0	11.2	7.20	74.0	23.6			
3.25	49.0	11.2	7.30	74.0	23.6			
3.30	49.0	11.2	7.40	74.0	23.6			
3.40	52.0	12.5	7.50	74.0	23.6			
3.50	52.0	12.5	7.60	79.0	25.0			
3.60	52.0	12.5	7.70	79.0	25.0			
3.70	52.0	12.5	7.80	79.0	25.0			
3.80	55.0	14.0	7.90	79.0	25.0			
3.90	55.0	14.0	8.00	79.0	25.0			
4.00	55.0	14.0	8.10	79.0	25.0			
4.10	55.0	14.0	8.20	79.0	25.0			
4.20	55.0	14.0	8.30	79.0	25.0			
4.30	58.0	15.5	8.40	79.0	25.0			
4.40	58.0	15.5	8.50	79.0	25.0			
4.50	58.0	15.5	8.60	84.0	25.0			
4.60	58.0	15.5	8.70	84.0	25.0			
4.70	58.0	15.5	8.80	84.0	25.0			
4.80	62.0	17.0	8.90	84.0	25.0			
4.90	62.0	17.0	9.00	84.0	25.0			
5.00	62.0	17.0	9.10	84.0	25.0			
5.10	62.0	17.0	9.20	84.0	25.0			
5.20	62.0	17.0	9.30	84.0	25.0			
5.30	62.0	17.0	9.40	84.0	25.0			
5.40	66.0	19.0	9.50	84.0	25.0			
5.50	66.0	19.0	9.60	89.0	25.0			
5.60	66.0	19.0	9.70	89.0	25.0			
5.70	66.0	19.0	9.80	89.0	25.0			
5.80	66.0	19.0	9.90	89.0	25.0			
5.90	66.0	19.0	10.00	89.0	25.0			



BOAN Tools



Masonry drill Hammer drill

建工钻/电锤钻



BOAN



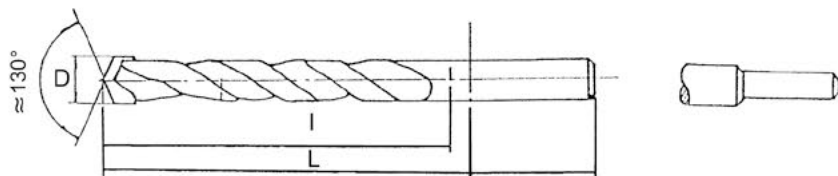
MASONRY DRILL

Item No.	Masonry Drills	Standard
001	 Masonry Drills, Zinc Plated	DIN8039
002	 Masonry Drills, Black Oxide	
003	 Masonry Drills, Nickle Plated	
004	 Masonry Drills, Black & White	
005	 Masonry Drills, Tin-Coated	
006	 Masonry Drills, high-helix, Chrome Plated	
007	 Masonry Drills, high-helix Nickce Plated	
008	 Masonry Drills, high-helix Zine Plated	
009	 Masonry Drills, L Flute	
010	 Masonry Drills, Extra Long Length	



MASONRY DRILL

► MASONRY DRILL Q/32181 RFD004(0)



Diameter		Short Series		Long Series		Expanding Length (For drilling wall)			
Size (mm)	+T14 +T12 (mm)	L (mm)	≈ I (mm)	L (mm)	≈ I (mm)	L (mm)	≈ I (mm)	L (mm)	≈ I (mm)
3.0	+0.25 +0.10	60	35						
4.0	+0.30 +0.12	75	39						
4.5									
5.0		85	39						
5.5				150	85				
6.0									
6.5	+0.36 +0.15	100	54						
7.0									
8.0									
8.5		120	80	200	135				
9.0									
10.0	+0.43 +0.18								
11.0									
12.0		150	90	220	150				
13.0									
14.0									
16.0	+0.52 +0.21								
18.0						400	350	600	550
20.0									
22.0		160	100						
24.0									
25.0									



HAMMER DRILL

SDS PLUS HAMMER DRILL

Item	Picture	Type	Standar
001		Electric Hammer Drill	JB/T8368.1 or DIN8035
002			
003			
004			
005			
006			



SDS PLUS SHANK HAMMER DRILL BITS

APPLICATIONS:

Value plus quality for efficient and fast hammer drilling in hard materials like concrete, granite, brick and other similar building materials.

Slot tip	
Cross tip	
Cross tip with three carbides	

Various flute type are available upon request.



DIA. (MM)	OVERALL LENGTH (MM)	DIA. (MM)	OVERALL LENGTH (MM)	DIA. (MM)	OVERALL LENGTH (MM)
4	110	16	260	14	460
5	110	18	260	16	460
5.5	110	20	260	18	460
6	110	22	260	20	460
6.5	110	25	260	22	460
7	110	26	260	24	460
8	110	28	260	25	460
10	110	6	310	26	460
12	110	6.5	310	28	460
4	160	7	310	30	460
5	160	8	310	32	460
5.5	160	10	310	35	460
6	160	12	310	38	460
6.5	160	13	310	40	460
7	160	14	310	8	600
8	160	15	310	10	600
10	160	16	310	12	600
12	160	18	310	14	600
14	160	20	310	15	600
15	160	22	310	16	600
16	160	25	310	18	600
5	210	26	310	20	600
5.5	210	28	310	22	600
6	210	6	360	24	600
6.5	210	6.5	360	25	600
7	210	7	360	26	600
8	210	8	360	28	600
10	210	10	360	30	600
12	210	12	360	32	600
13	210	14	360	35	600
14	210	15	360	38	600
15	210	16	360	40	600
16	210	18	360	10	1000
18	210	20	360	12	1000
20	210	22	360	14	1000
22	210	24	360	16	1000
25	210	25	360	18	1000
5	260	26	360	20	1000
5.5	260	28	360	22	1000
6	260	30	360	25	1000
6.5	260	32	360	26	1000
7	260	35	360	28	1000
8	260	38	360	30	1000
10	260	40	360	32	1000
12	260	6	460	35	1000
13	260	8	460	38	1000
14	260	10	460	40	1000
15	260	12	460		



BOAN Tools



BOAN TOOLS WOOD WORKING DRILLS





WOOD DRILL

Item No.

Wood Working Drills

001



Black Flute & With Edge

002



Amber Finish & Black Flute

003



Bright Flat Bits

004



Tin-Coated Flat Bits

005



Bright Flat Bits, Extra Long Length

006



Wood Working Drills, Extra Long Length

007

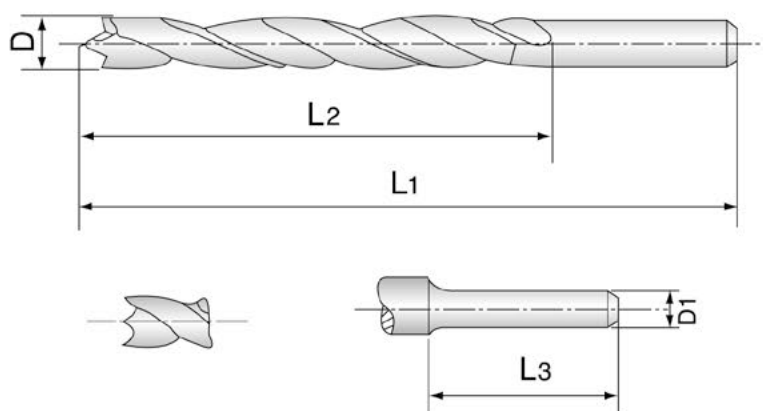


Wood Auger Bit



WOOD DRILL

Wood Working Drills



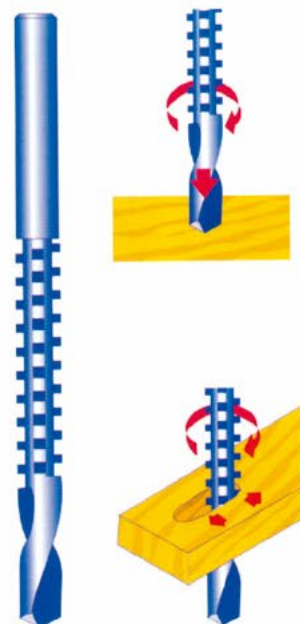
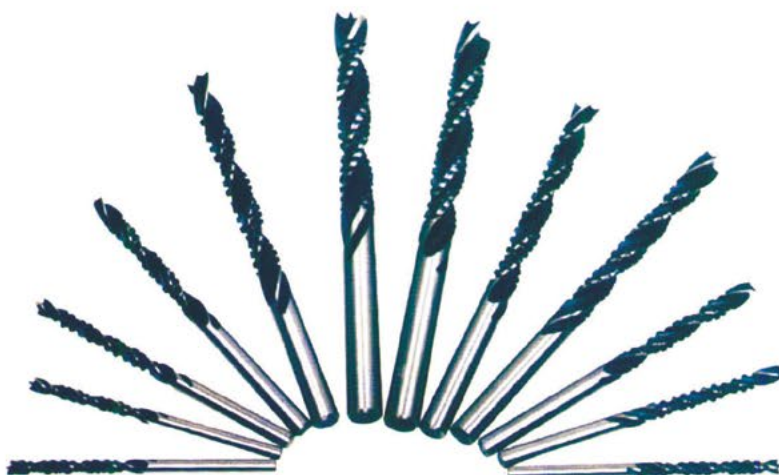
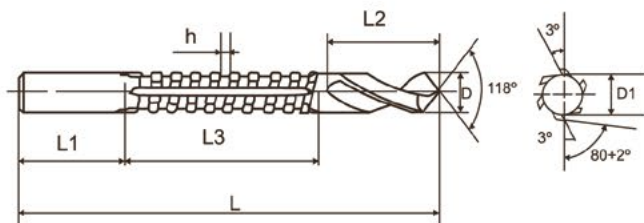
D	L ₁	L ₂	D ₁	L ₃
3	60	32		
4	75	43		
5	85	51		
6	92	54		
7	100	60		
8	115	71		
9	115	71		
10	120	82		
11	140	90		
12	140	90		
13	150	95	12	20
14	150	95	12	20
15	160	100	12	20
16	160	100	12	20
18	170	115	12	20
20	180	130	12	20
22	200	150	20	30
24	200	150	20	30
26	250	170	20	30
28	250	170	20	30
30	260	180	20	30
32	280	195	20	30
34	285	200	20	30
36	290	205	20	30
38	295	210	20	30
40	300	215	20	30

D	L ₁	L ₂	D ₁	L ₃
3.5	70	38		
4.5	80	45		
5.5	92	54		
6.5	100	60		
7.5	105	60		
8.5	115	71		
9.5	115	85		
10.5	130	82		
11.5	140	90		
12.5	150	95	12	20
13.5	150	95	12	20
14.5	160	100	12	20
15.5	160	100	12	20
16.5	170	115	12	20
18.5	170	115	12	20



锯钻 Wook Saw Drill

D	D1±0.10	L ±1.5	L1±1.5	L2±1.5	L3±2.0	h±0.2	导程	a±5°
3	2.3	60	22	10	30	1	2	118°
4	3.2	70	24	12	36	1	2	118°
5	3.6	80	25	15	43	1.5	3	118°
6	4.6	86	26	16	47	1.5	3	118°
7	5.4	90	28	18	48	2	4	118°
8	6.2	93	32	20	50	2	4	118°



Drill saw can be used as a drill, saw, rotary file, reamer and router, which is made of HSS steel and Tin-coated for extended life. HSS drill saw can also be used for metal drilling work.

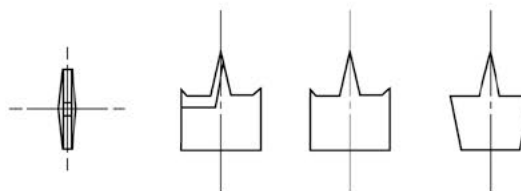
We also do HSS and Carbon Steel Brad Point Drill Saws and Drill Saws with Five Cutter Head for wood drilling and cutting. which are also be able to be upon the below sizes or customers' special size requests.



HCS FLAT BITS

APPLICATIONS:

For boring smooth, clean, perfectly defined holes in soft and close grained wood, chipboard and floor board.



DIA. (MM)	OVERALL LENGTH (MM)
6	152
8	152
10	152
11	152
12	152
13	152
14	152
15	152
16	152
17	152
18	152
19	152
20	152
22	152
24	152
25	152
26	152
28	152
30	152
32	152
35	152
38	152
40	152

DIA. (INCH)	OVERALL LENGTH (INCH)
1/4	6
5/16	6
3/8	6
7/16	6
15/32	6
1/2	6
9/16	6
19/32	6
5/8	6
21/32	6
11/16	6
3/4	6
25/32	6
7/8	6
15/16	6
1	6
1-1/32	6
1-1/8	6
1-3/16	6
1-1/4	6
1-3/8	6
1-1/2	6
1-9/16	6



BOAN Tools



木工钻扁钻 FLAT WOOD WORKING DRILLS



6支套机用木工扁钻
6 PCS FLAT AUGER BITS SET
规格(毫米)SPECIFICATION(mm):
10,12,16,18,20,25



6支套木工扁钻
6 PCS FLAT AUGER BITS SET
规格(英寸)SPECIFICATION(inch):
3/8",1/2",5/8",3/4",7/8",1"



10支套装木工扁钻
10PCS SET WOOD FLAT BITS
规格(毫米)SPECIFICATION(mm):
6,10,13,16,19,22,25,32



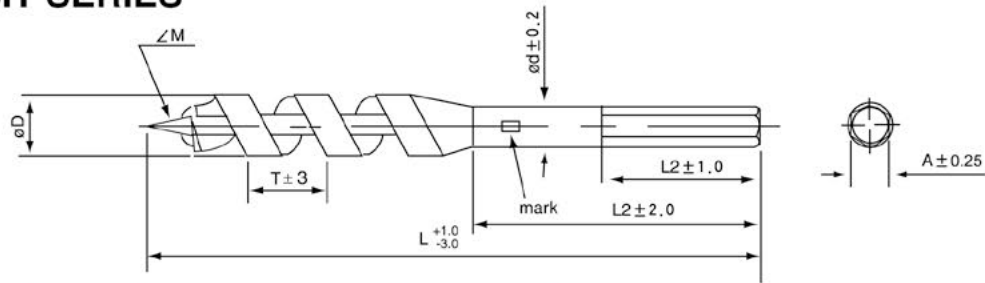
5PCS COUNTERSINK BITS SET



13支套木工扁钻
13 PCS FLAT AUGER BITS SET
规格(毫米)SPECIFICATION(mm):
6,8,10,11,12,14,16,18,20,21,22,24,25



AUGER BIT SERIES



DIA(mm)	D(mm)	L(mm)	L ₁ (mm)		L ₂ (mm)	A(mm)	T(mm)	M(mm)	D(mm)
6	6 ⁰ _{-0.08}	75 100 150 200 230 250				5.5	18	1.25	6
8	8 ⁰ _{-0.10}	300 400 460 500 600				7	18	1.25	8
10	10 ⁰ _{-0.08}					8.8	20	1.25	10
12	12 ⁰ _{-0.12}					10.7	24	1.25	12
14	14 ⁰ _{-0.13}					10.7	28	1.5	12
16	16 ⁰ _{-0.13}					10.7	32	1.5	12
18	18 ⁰ _{-0.15}	100	L75	L ₁ =35	L ₁ =35	10.7	32	1.5	12
20	20 ⁰ _{-0.15}	150	L100	L ₁ =40	L ₂ =25	10.7	34	1.5	12
22	22 ⁰ _{-0.20}	200	L101-149	L ₁ =50		10.7	36	1.5	12
24	24 ⁰ _{-0.20}	230	L150-200	L ₁ =60	L ₁ ≤60	10.7	36	2.0	12
26	26 ⁰ _{-0.20}	300	L201-320	L ₁ =75	L ₂ =28	10.7	40	2.0	12
28	28 ⁰ _{-0.20}	460	L330-400	L ₁ =80	L ₁ >60	10.7	40	2.0	12
30	30 ⁰ _{-0.20}	500	L460-900	L ₁ =100	L ₂ =232	10.7	44	2.0	12
32	32 ⁰ _{-0.20}	600				10.7	44	2.0	12
34	34 ⁰ _{-0.20}	900				10.7	44	2.0	12
36	36 ⁰ _{-0.20}					10.7	44	2.0	12
38	38 ⁰ _{-0.20}					10.7	44	2.0	12
40	40 ⁰ _{-0.20}					10.7	44	2.0	12
45	45 ⁰ _{-0.30}					10.7	48	2.5	12
50	50 ⁰ _{-0.30}					10.7	48	2.5	12

TYPE OF CUTTING BLADE



SCREW POINT STYLE



SINGLE WING STYLE



REGULAR STYLE



TRIANGLE POINT STYLE



NO-WING STYLE



EUROPEAN STYLE



BOAN Tools



凹槽种类 TYPE OF FLUTE



DOUBLE SLOT STYLE



MIDDLE STEM HEAVIER STYLE



NO-STEM STYLE

柄型 TYPE OF SHANK



HEXAGON
AUGER BIT



QUICK CHANGE
SHANK AUGER
BIT



SDS-PLUS
SHANK AUGER
BIT



CASTING
SHANK
AUGER BIT



PROFESSIONAL
SHANK
AUGER BIT

支罗钻加工 FINISH FOR AUGER BIT



TITANIUM COATED HEX SHANK AUGER BIT



SPRAY PAINT HEX SHANK AUGER BIT



SAND-BLAST HEX SHANK AUGER BIT

钉子支罗钻加工 NAIL AUGER BIT



双翼支罗钻套 DOUBLE WING AUGER BIT



双槽支罗钻 AUGER BIT





BOAN Tools



TAPS SERIES

复合丝锥





Taps Series 丝锥系列 DIN 371 2016-01



国标直槽丝锥

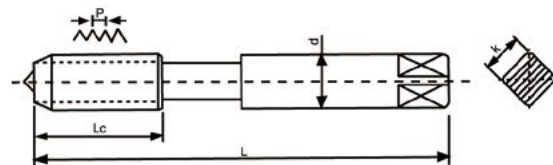
GB(ISO) Taps with enforced shank

Conform to GB/T3464.1-94, equal to ISO527-1975

M2 HSS

For manual and machine

For through holes or blind holes



材料: 高速钢、合金钢、碳钢

Material: HSS-M2, HSS-M35

Alloy steel, Carbon steel

M	P(mm)	L(mm)	Lc(mm)	d(mm)	k(mm)	Hole(mm)	Tap limits
M3	0.5	48	11	2.24	1.8	2.5	H1 H2 H3
M4	0.7	53	13	3.15	2.5	3.3	H1 H2 H3
M5	0.8	58	16	4.0	3.15	4.2	H1 H2 H3
M6	1.0	66	19	4.5	3.55	5.0	H1 H2 H3
M8	1.25	72	22	6.3	5.0	6.7	H1 H2 H3
M10	1.5	80	24	8.0	6.3	8.5	H1 H2 H3
M12	1.75	89	29	9.0	7.1	10.25	H1 H2 H3
M14	2.0	95	30	11.2	9.0	12.0	H1 H2 H3
M16	2.0	102	32	12.5	10	14.0	H1 H2 H3
M18	2.5	112	37	14	11.2	15.5	H1 H2 H3
M20	2.5	112	37	14	11.2	17.5	H1 H2 H3
M22	2.5	118	38	16	12.5	19.5	H1 H2 H3
M24	3.0	130	45	18	14	21.0	H1 H2 H3
M27	3.0	125	25	20	16	24.0	H1 H2 H3
M30	3.5	127	48	20	16	26.0	H1 H2 H3
M33	3.5	128	51	22.4	18	29.5	H1 H2 H3
M36	4.0	151	57	25	20	32.0	H1 H2 H3
M39	4.0	162	60	28	22.4	35.0	H1 H2 H3
M42	4.5	170	60	28	22.4	37.5	H1 H2 H3
M45	4.5	187	67	28	25	40.5	H1 H2 H3
M48	5.0	187	67	31.5	25	43.0	H1 H2 H3
M52	5.0	200	70	35.5	28	47.0	H1 H2 H3

Up to M6: With male center

P ≤ 2.5mm: Both one piece and 3 of set are available

One piece with chamfer of 3.5P, 2P

3 of set with chamfers 8P, 4P, 2P

P > 2.5mm: 3 of set with chamfers 8P, 4P, 2P are available



Taps Series 丝锥系列



螺旋槽丝锥

Spiral Fluted Tap with straight shank

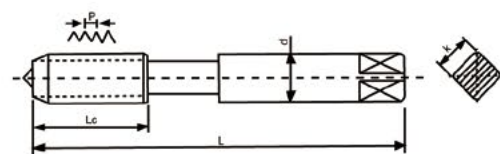
Conform to GB/T3464.1-94, equal to ISO527-1975

M2 HSS

M35 HSS-E, Coatings, available for specified requirements

For machine

Good cutting action, high speeding



材料: 高速钢

Material: HSS-M2, HSS-M35

M	P(mm)	L(mm)	Lc(mm)	d(mm)	k(mm)	Hole(mm)	Tap limits
M3	0.5	48	11	2.24	1.8	2.5	H1 H2 H3
M4	0.7	53	13	3.15	2.5	3.3	H1 H2 H3
M5	0.8	58	16	4.0	3.15	4.2	H1 H2 H3
M6	1.0	66	19	4.5	3.55	5.0	H1 H2 H3
M8	1.25	72	22	6.3	5.0	6.7	H1 H2 H3
M10	1.5	80	24	8.0	6.3	8.5	H1 H2 H3
M12	1.75	89	29	9.0	7.1	10.25	H1 H2 H3
M14	2.0	95	30	11.2	9.0	12.0	H1 H2 H3
M16	2.0	102	32	12.5	10	14.0	H1 H2 H3
M18	2.5	112	37	14	11.2	15.5	H1 H2 H3
M20	2.5	112	37	14	11.2	17.5	H1 H2 H3
M22	2.5	118	38	16	12.5	19.5	H1 H2 H3
M24	3.0	130	45	18	14	21.0	H1 H2 H3

Up to M6: With male center



Taps Series 丝锥系列

螺尖丝锥

Spiral Pointed Taps with straight shank

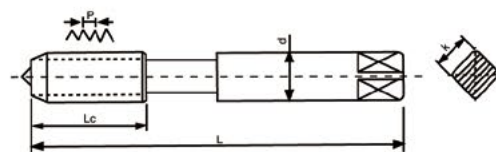
Conform to GB/T3464,1-94,equal to ISO529-1975

M2 HSS

M35 HSS-E,Coatings,available for specified requirements

For machine

For through holes. Good cutting action high speeding



材料: 高速钢

Material: HSS-M2, HSS-M35

M	P(mm)	L(mm)	Lc(mm)	d(mm)	k(mm)	Hole(mm)	Tap limits
M3	0.5	48	11	2.24	1.8	2.5	H1 H2 H3
M4	0.7	53	13	3.15	2.5	3.3	H1 H2 H3
M5	0.8	58	16	4.0	3.15	4.2	H1 H2 H3
M6	1.0	66	19	4.5	3.55	5.0	H1 H2 H3
M8	1.25	72	22	6.3	5.0	6.7	H1 H2 H3
M10	1.5	80	24	8.0	6.3	8.5	H1 H2 H3
M12	1.75	89	29	9.0	7.1	10.25	H1 H2 H3
M14	2.0	95	30	11.2	9.0	12.0	H1 H2 H3
M16	2.0	102	32	12.5	10	14.0	H1 H2 H3
M18	2.5	112	37	14	11.2	15.5	H1 H2 H3
M20	2.5	112	37	14	11.2	17.5	H1 H2 H3
M22	2.5	118	38	16	12.5	19.5	H1 H2 H3
M24	3.0	130	45	18	14	21.0	H1 H2 H3

Up to M6: With male center

未记载之规格与精度敬请电洽查询(表面涂层另加涂层费用)

——特殊规格欢迎订制——



BOAN Tools



Drill Bit Set

www.boantools.com.cn



BOAN Tools



BA501



5PCS Drill Set

BA801



8PCS Drill Set

BA1001



10PCS Drill Set

BA1002



10PCS Drill Set

BA1003



10PCS Drill Set

BA1301



13PCS Drill Set

BA1302



13PCS Drill Set

BA1303



13PCS Drill Set

BA1304



13PCS Drill Set

www.boantools.com.cn



BOAN Tools



BA1305



13PCS Drill Set

BA1306



13PCS Drill Set

BA1307



13PCS Drill Set

BA1308



13PCS Drill Set

BA1309



13PCS Drill Set

BA1401



14PCS Drill Set

BA1501



15PCS Drill Set

BA1502



15PCS Drill Set

BA1503



15PCS Drill Set

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BOAN Tools



BA1504



15PCS Drill Set

BA1601



16PCS Drill Set

BA1602



16PCS Drill Set

BA1801



18PCS Drill Set

BA1901



19PCS Drill Set

BA1902



19PCS Drill Set

BA1903



19PCS Drill Set

BA1904



19PCS Drill Set

BA1905



19PCS Drill Set



BA1906



19PCS Drill Set

BA1907



19PCS Drill Set

BA1908



19PCS Drill Set

BA1909



19PCS Drill Set

BA1910



19PCS Drill Set

BA1911



19PCS Drill Set

BA1912



19PCS Drill Set

BA2101



21PCS Drill Set

BA2102



21PCS Drill Set



BOAN Tools



BA2501



25PCS Drill Set

BA2502



25PCS Drill Set

BA2503



25PCS Drill Set

BA2504



25PCS Drill Set

BA2505



25PCS Drill Set

BA2506



25PCS Drill Set

BA2507



25PCS Drill Set

BA2901



29PCS Drill Set

BA2902



29PCS Drill Set

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BOAN Tools



BA2903



29PCS Drill Set

BA2904



29PCS Drill Set

BA9101



91PCS Drill Set

BA9901



99PCS Drill Set

BA115



115PCS Drill Set

BA16002



160PCS Drill Set

BA17001



170PCS Drill Set

BA17002



170PCS Drill Set

BA23001



230PCS Drill Set

www.boantools.com.cn



BOAN Tools



BA301



3PCS Drill Set

BA401



4PCS Drill Set

BA2101



21PCS Drill Set

BA30101



301PCS Drill Set

BA3501



35PCS Drill Set

BA3502



35PCS Drill Set

BA3201



32PCS Drill and Tap Set

BA4301



43PCS Drill Set

BA5001



50PCS Drill Set

www.boantools.com.cn



BOAN Tools



BA901



9PCS Drill Set

BA1505/3701



15 / 37 PCS Drill Set

www.boantools.com.cn



以诚待人 以信立企
With sincerity to enterprise



SALES 销售网络 NETWORK

多年来，本公司凭借雄厚的实力、良好的信誉以及严格的质量管理、优质的售后服务，赢得了社会广大用户的一致认可。

For many years, the company relies on powerful strength, good prestige and strict quality management, high-quality after-sales service, win the society has been approved of users.

