



2024
PRODUCT
CATALOGUE



江苏嘉成工具有限公司
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JIACHENG TOOLS

江苏嘉成工具有限公司

JIANGSU JIACHENG TOOLS CO., LTD



Brief Introduction

Jiangsu Jiacheng Tools established in 2011, specializes in High-speed steel twist drill bits. We operate 12,000-square-meter production base with annual output value of 20 million USD located in Danyang, Jiangsu(2 hrs drive away to Shanghai port). With about 120 experienced employees dedicated to service and quality. 3 efficient production lines and rich stock make us produce over 6 million pieces monthly. With a strong reputation built over 14 years, we export to numerous countries and global brands, including the USA, Germany, France, Russia and Brazil, etc.

Main Products:

Drilling and cutting tools includes HSS twist drills, machine taps, wood drills, hammer drills and carbide tools.

Start everything with integrity

Start everyting from details

For more details, please visit:

www.JiachengToolsCo.com





Testing Equipments

Research&Development



For talents, we are always thirsty for talents, the growth of enterprises is inseparable from the dedication of talents, the growth of enterprises, but also provides talents with a broader development and value space.



The idea of quality of the company: To improve the quality-feeling of all the people to strengthen the quality control of all the work to produce the best products for business-friends.



Sales team





JIANGSU JIACHENG TOOLS CO.,LTD

JIACHENG TOOLS



We have always persevered in our efforts to make technology more advanced and manufacturing excellent, paying meticulous attention to every detail. We regard technology as the foundation and quality as our life.

Production equipment

Advanced production equipment is the important guarantee to the product quality. In order to offer the customer the best product, we introduced excellent production equipment. We believe deeply that, relying on the perfect management, advanced equipment and earnest work of the staff, we may guarantee the best quality.





JIANGSU JIACHENG TOOLS CO.,LTD

Production Equipment



Emphasizing every detail
Pursuing excellent quality



With its predominant quality, excellent performance, perfect service and good credit, the products win the customer' trust of both domestic and abroad. Work out excellent products with special care and create a famous brand with sincerity and credit!



Metal Drills	01-23
HSS Twist Drills-Overview	02
HSS Straight Shank Twist Drills-DIN338	03
HSS Twist Drills, Long Series-DIN340	04
HSS Twist Drills, Stub Series-DIN1897	05
HSS Straight Shank Twist Drills-JIS	06
HSS Double Ended Drills	07
HSS Straight Shank Twist Drills-DIN1869	08
HSS Jobber Length Drills	09
HSS Screw Machine Length Drills	10
HSS Mechanics Length Drills	11
HSS Quick Change Hex Shank Drills	12
Pilot Point Hex Shank Drills	13
HSS Aircraft Extension Drills	14
Sliver & Deming/Reduced Shank Drills	15
Special Drill Bits	16-19
Morse Taper Shank Twist Drills-DIN345	20-21
HSS Center Drills-DIN333	22
HSS Step Drills	23
 Taps Series	 24-30
HSS Taps-Overview	25
Straight Fluted Taps	26
Spiral Fluted Taps	27
Spiral Pointed Taps	28
Roll Forming Taps	29
Four Square Shank With Drill Tap Series	30
Hexagon Shank With Drill Tap Series	30
 Wood Drills	 31-33
Brad Point Wood Drills	32
Spade Drill Bits	33
 SDS Hammer Drills	 34-36
SDS Hammer Drills	35
SDS Chisel Bits	36
 Masonry Drills	 37-39
 Glass Drills Series	 40-41
 Drill Bits Sets	 42-49
 Carbide Tools	 50-53



HSS Twist Drills – Overview

Item No.	Picture	Description
1		Full Ground Bright Finish
2		Full Ground Amber Color
3		Full Ground Black Oxide
4		Full Ground Black-Amber Color
5		Full Ground Ti-Coating
6		Roll Forged Black Oxide
7		Roll Forged + Polished
8		Roll Forged + Polished + Ti-Coating

• For more styles, please contact us.

Point Angle



118° Point

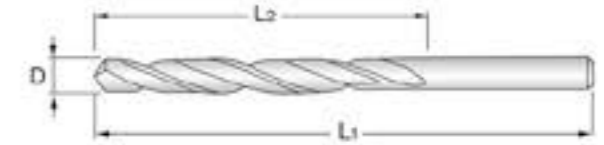
135° Split Point

HSS Material

Grade	Also Known As	Cobalt
M42	HSSCo8; HS2-9-1-8; SKH59; P2M9K8; S500	✓
M35	HSSCo5; HS6-5-2-5; SKH55; P6M5K5	✓
M2	6542; HS6-5-2; SKH51; P6M5	×
4341	W4Mo3Cr4VSi	×
4241	/	×

HSS Straight Shank Twist Drills-DIN338

D Diameter
L₁ Overall Length
L₂ Flute Length



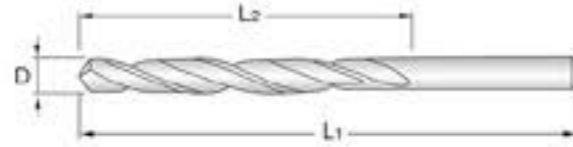
D	L ₁	L ₂
0.20	19	2.5
0.25	19	3
0.30	19	3
0.35	19	4
0.40	20	5
0.45	20	5
0.50	22	6
0.55	24	7
0.60	24	7
0.65	26	8
0.70	28	9
0.75	28	9
0.80	30	10
0.85	32	11
0.90	32	11
0.95	34	12
1.0	34	12
1.1	36	14
1.2	38	16
1.3	38	16
1.4	40	18
1.5	40	18
1.6	43	20
1.7	43	20
1.8	46	22
1.9	46	22
2.0	49	24
2.1	49	24
2.2	53	27
2.3	53	27
2.4	57	30
2.5	57	30
2.6	57	30
2.7	61	33
2.8	61	33
2.9	61	33
3.0	61	33
3.1	65	36
3.2	65	36
3.3	65	36
3.4	70	39
3.5	70	39
3.6	70	39
3.7	70	39
3.8	75	43
3.9	75	43
4.0	75	43
4.1	75	43
4.2	75	43
4.3	80	47
4.4	80	47
4.5	80	47
4.6	80	47

D	L ₁	L ₂
4.7	80	47
4.8	86	52
4.9	86	52
5.0	86	52
5.1	86	52
5.2	86	52
5.3	86	52
5.4	93	57
5.5	93	57
5.6	93	57
5.7	93	57
5.8	93	57
5.9	93	57
6.0	93	57
6.1	101	63
6.2	101	63
6.3	101	63
6.4	101	63
6.5	101	63
6.6	101	63
6.7	101	63
6.8	109	69
6.9	109	69
7.0	109	69
7.1	109	69
7.2	109	69
7.3	109	69
7.4	109	69
7.5	109	69
7.6	117	75
7.7	117	75
7.8	117	75
7.9	117	75
8.0	117	75
8.1	117	75
8.2	117	75
8.3	117	75
8.4	117	75
8.5	117	75
8.6	125	81
8.7	125	81
8.8	125	81
8.9	125	81
9.0	125	81
9.1	125	81
9.2	125	81
9.3	125	81
9.4	125	81
9.5	125	81
9.6	133	87
9.7	133	87
9.8	133	87
9.9	133	87

D	L ₁	L ₂
10.0	133	87
10.1	133	87
10.2	133	87
10.3	133	87
10.4	133	87
10.5	133	87
10.6	133	87
10.7	142	94
10.8	142	94
10.9	142	94
11.0	142	94
11.1	142	94
11.2	142	94
11.3	142	94
11.4	142	94
11.5	142	94
11.6	142	94
11.7	142	94
11.8	142	94
11.9	151	101
12.0	151	101
12.1	151	101
12.2	151	101
12.3	151	101
12.4	151	101
12.5	151	101
12.6	151	101
12.7	151	101
12.8	151	101
12.9	151	101
13.0	151	101
13.1	151	101
13.2	151	101
13.3	160	108
13.4	160	108
13.5	160	108
13.6	160	108
13.7	160	108
13.8	160	108
13.9	160	108
14.0	160	108
14.5	169	114
15.0	169	114
15.5	178	120
16.0	178	120
16.5	184	125
17.0	184	125
17.5	191	130
18.0	191	130
18.5	198	135
19.0	198	135
19.5	205	140
20.0	205	140

HSS Twist Drills, Long Series-DIN340

D Diameter
L₁ Overall Length
L₂ Flute Length



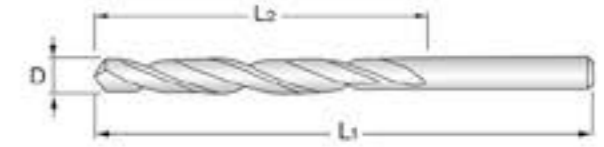
D	L ₁	L ₂
1.00	56	33
1.10	60	37
1.20	65	41
1.30	65	41
1.40	70	45
1.50	70	45
1.60	76	50
1.70	76	50
1.80	80	53
1.90	80	53
2.00	85	56
2.10	85	56
2.20	90	56
2.30	90	56
2.40	95	62
2.50	95	62
2.60	95	62
2.70	100	66
2.80	100	66
2.90	100	66
3.00	100	66
3.10	106	69
3.20	106	69
3.30	106	69
3.40	112	73
3.50	112	73
3.60	112	73
3.70	112	73
3.80	119	78
3.90	119	78
4.00	119	78
4.10	119	78
4.20	119	78
4.30	126	82
4.40	126	82
4.50	126	82
4.60	126	82
4.70	126	82
4.80	132	87
4.90	132	87
5.00	132	87
5.10	132	87
5.20	132	87
5.30	132	87
5.40	139	91
5.50	139	91
5.60	139	91
5.70	139	91
5.80	139	91
5.90	139	91
6.00	139	91
6.10	148	97
6.20	148	97

D	L ₁	L ₂
6.30	148	97
6.40	148	97
6.50	148	97
6.60	148	97
6.70	148	97
6.80	156	102
6.90	156	102
7.00	156	102
7.10	156	102
7.20	156	102
7.30	156	102
7.40	156	102
7.50	156	102
7.60	165	109
7.70	165	109
7.80	165	109
7.90	165	109
8.00	165	109
8.10	165	109
8.20	165	109
8.30	165	109
8.40	165	109
8.50	165	109
8.60	175	115
8.70	175	115
8.80	175	115
8.90	175	115
9.00	175	115
9.10	175	115
9.20	175	115
9.30	175	115
9.40	175	115
9.50	175	115
9.60	184	121
9.70	184	121
9.80	184	121
9.90	184	121
10.00	184	121
10.10	184	121
10.20	184	121
10.30	184	121
10.40	184	121
10.50	184	121
10.60	184	121
10.70	195	128
10.80	195	128
10.90	195	128
11.00	195	128
11.10	195	128
11.20	195	128
11.30	195	128
11.40	195	128
11.50	195	128

D	L ₁	L ₂
11.60	195	128
11.70	195	128
11.80	195	128
11.90	205	134
12.00	205	134
12.10	205	134
12.20	205	134
12.30	205	134
12.40	205	134
12.50	205	134
12.60	205	134
12.70	205	134
12.80	205	134
12.90	205	134
13.00	205	134
13.10	205	134
13.20	205	134
13.30	214	140
13.40	214	140
13.50	214	140
13.60	214	140
13.70	214	140
13.80	214	140
13.90	214	140
14.00	214	140
14.50	220	144
15.00	220	144
15.50	227	149
16.00	227	149
16.50	235	154
17.00	235	154
17.50	241	158
18.00	241	158
18.50	247	162
19.00	247	162
19.50	254	166
20.00	254	166

HSS Twist Drills, Stub Series-DIN1897

D Diameter
L₁ Overall Length
L₂ Flute Length



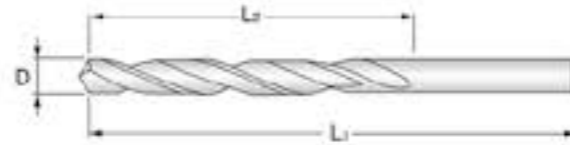
D	L ₁	L ₂
1.00	25	6
1.10	28	7
1.20	30	8
1.30	30	8
1.40	32	9
1.50	32	9
1.60	34	10
1.70	34	10
1.80	36	11
1.90	36	11
2.00	38	12
2.10	38	12
2.20	40	13
2.30	40	13
2.40	43	14
2.50	43	14
2.60	43	14
2.70	46	16
2.80	46	16
2.90	46	16
3.00	46	16
3.10	49	18
3.20	49	18
3.30	49	18
3.40	52	20
3.50	52	20
3.60	52	20
3.70	52	20
3.80	55	22
3.90	55	22
4.00	55	22
4.10	55	22
4.20	55	22
4.30	58	24
4.40	58	24
4.50	58	24
4.60	58	24
4.70	58	24
4.80	62	26
4.90	62	26
5.00	62	26
5.10	62	26
5.20	62	26
5.30	62	26
5.40	66	28
5.50	66	28
5.60	66	28
5.70	66	28
5.80	66	28
5.90	66	28
6.00	66	28
6.10	70	31
6.20	70	31

D	L ₁	L ₂
6.30	70	31
6.40	70	31
6.50	70	31
6.60	70	31
6.70	70	31
6.80	74	34
6.90	74	34
7.00	74	34
7.10	74	34
7.20	74	34
7.30	74	34
7.40	74	34
7.50	74	34
7.60	79	37
7.70	79	37
7.80	79	37
7.90	79	37
8.00	79	37
8.10	79	37
8.20	79	37
8.30	79	37
8.40	79	37
8.50	79	37
8.60	84	40
8.70	84	40
8.80	84	40
8.90	84	40
9.00	84	40
9.10	84	40
9.20	84	40
9.30	84	40
9.40	84	40
9.50	84	40
9.60	89	43
9.70	89	43
9.80	89	43
9.90	89	43
10.00	89	43
10.10	89	43
10.20	89	43
10.30	89	43
10.40	89	43
10.50	89	43
10.60	89	43
10.70	95	47
10.80	95	47
10.90	95	47
11.00	95	47
11.10	95	47
11.20	95	47
11.30	95	47
11.40	95	47
11.50	95	47

D	L ₁	L ₂
11.60	95	47
11.70	95	47
11.80	95	47
11.90	102	51
12.00	102	51
12.10	102	51
12.20	102	51
12.30	102	51
12.40	102	51
12.50	102	51
12.60	102	51
12.70	102	51
12.80	102	51
12.90	102	51
13.00	102	51
13.10	102	51
13.20	102	51
13.30	107	54
13.40	107	54
13.50	107	54
13.60	107	54
13.70	107	54
13.80	107	54
13.90	107	54
14.00	107	54
14.50	111	58
15.00	111	58
15.50	115	58
16.00	115	58
16.50	119	60
17.00	119	60
17.50	123	62
18.00	123	62
18.50	127	64
19.00	127	64
19.50	131	68
20.00	131	68

HSS Straight Shank Twist Drills-JIS

D Diameter
L₁ Overall Length
L₂ Flute Length



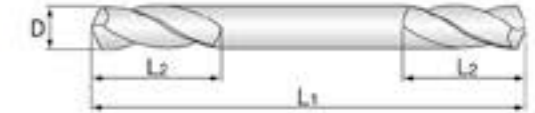
D	L ₁	L ₂
0.50	22	6
0.55	24	7
0.60	24	7
0.65	26	8
0.70	28	9
0.75	28	9
0.80	30	10
0.85	30	10
0.90	32	11
0.95	32	11
1.00	34	12
1.05	34	12
1.10	36	14
1.15	36	14
1.20	38	16
1.25	38	16
1.30	40	16
1.35	40	18
1.40	40	18
1.45	40	18
1.50	40	18
1.55	43	20
1.60	43	20
1.65	43	20
1.70	43	20
1.75	46	22
1.80	46	22
1.85	46	22
1.90	46	22
1.95	49	24
2.00	55	29
2.10	55	29
2.20	58	33
2.30	58	33
2.40	61	35
2.50	61	35
2.60	64	37
2.70	64	37
2.80	67	39
2.90	71	42
3.00	71	42
3.10	71	42
3.20	71	42
3.30	73	45
3.40	73	45
3.50	73	45
3.60	76	48

D	L ₁	L ₂
3.70	76	48
3.80	76	48
3.90	79	51
4.00	83	54
4.10	83	54
4.20	83	54
4.30	83	54
4.40	86	56
4.50	86	56
4.60	86	56
4.70	89	59
4.80	89	59
4.90	92	62
5.00	92	62
5.10	92	62
5.20	95	64
5.30	95	64
5.40	95	64
5.50	95	64
5.60	98	67
5.70	98	67
5.80	98	67
5.90	98	67
6.00	102	70
6.10	102	70
6.20	102	70
6.30	102	70
6.40	105	73
6.50	105	73
6.60	105	73
6.70	105	73
6.80	105	73
6.90	105	73
7.00	105	73
7.10	108	75
7.20	108	75
7.30	108	75
7.40	111	78
7.50	111	78
7.60	111	78
7.70	114	81
7.80	114	81
7.90	114	81
8.00	114	81
8.10	117	84
8.20	117	84
8.30	117	84

D	L ₁	L ₂
8.40	121	87
8.50	121	87
8.60	121	87
8.70	121	87
8.80	124	89
8.90	124	89
9.00	124	89
9.10	124	89
9.20	127	92
9.30	127	92
9.40	127	92
9.50	127	92
9.60	130	95
9.70	130	95
9.80	130	95
9.90	130	95
10.00	130	95
10.10	133	98
10.20	133	98
10.30	133	98
10.40	133	98
10.50	137	100
10.60	137	100
10.70	137	100
10.80	140	103
10.90	140	103
11.00	140	103
11.10	140	103
11.20	143	106
11.30	143	106
11.40	143	106
11.50	143	106
11.60	146	109
11.70	146	109
11.80	146	109
11.90	146	109
12.00	149	111
12.10	149	111
12.20	149	111
12.30	149	111
12.40	152	114
12.50	152	114
12.60	152	114
12.70	152	114
12.80	152	114
12.90	152	114
13.00	152	114

HSS Double Ended Drills

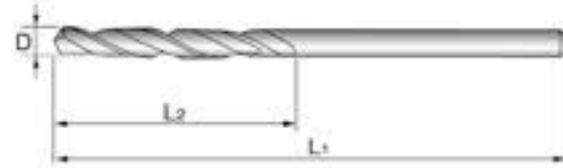
D Diameter
L₁ Overall Length
L₂ Flute Length



D	L ₁	L ₂
5/64	38	7.5
3/32	43	9.5
7/64	46	9.5
1/8	49	11.2
9/64	52	12.5
5/32	55	14.0
11/64	58	15.5
3/16	63	17.0
13/64	63	17.0
7/32	66	19.0
15/64	66	19.0
1/4	70	21.2
2.0	38	7.5
2.5	43	9.5
3.0	46	10.6
3.2	49	11.2
3.5	52	12.5
4.0	55	14.0
4.2	55	14.0
4.5	58	15.5
4.6	62	17.0
5.0	62	17.0
5.2	62	17.0
5.5	66	19.0
5.6	66	19.0
6.0	66	19.0
6.2	70	21.2
6.5	70	21.2

HSS Straight Shank Twist Drills-DIN1869

D Diameter
L₁ Overall Length
L₂ Flute Length



DIN1869-I

D	L ₁	L ₂
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

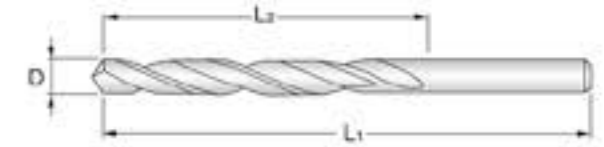
D	L ₁	L ₂
2.00	160	110
2.50	180	120
3.00	190	130
3.50	210	145
4.00	220	150
4.50	235	160
5.00	245	170
5.50	260	180
6.00	260	180
6.50	275	190
7.00	290	200
7.50	290	200
8.00	305	210
8.50	305	210
9.00	320	220
9.50	320	220
10.00	340	235
10.50	340	235
11.00	365	250
11.50	365	250
12.00	375	260
12.50	375	260
13.00	375	260

DIN1869-III

D	L ₁	L ₂
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 Jobber Length Drills

D Diameter
L₁ Overall Length
L₂ Flute Length



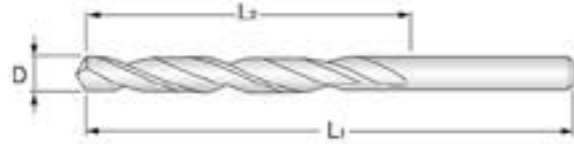
D	L ₁	L ₂	
1/16	1.588	48	22
5/64	1.984	51	25
3/32	2.381	57	32
7/64	2.778	67	38
1/8	3.175	70	41
9/64	3.572	73	44
5/32	3.969	79	51
11/64	4.366	83	54
3/16	4.763	89	59
13/64	5.159	92	62
7/32	5.556	95	64
15/64	5.953	98	67
1/4	6.35	102	70
17/64	6.747	105	73
9/32	7.144	108	75
19/64	7.541	111	78
5/16	7.938	114	81
21/64	8.334	117	84
11/32	8.731	121	87
23/64	9.128	124	89
3/8	9.525	127	92
25/64	9.922	130	95
13/32	10.319	133	98
27/64	10.716	137	100
7/16	11.113	140	103
29/64	11.509	143	106
15/32	11.906	146	110
31/64	12.303	149	111
1/2	12.7	152	114
33/64	13.097	168	122
	13.1	168	122
	13.2	168	122
	13.3	168	122
	13.4	168	122
17/32	13.494	168	122
	13.5	168	122
	13.6	168	122
	13.7	168	122
	13.8	168	122
35/64	13.891	168	122
	13.9	168	122
	14	168	122
	14.25	168	122
9/16	14.268	168	122
	14.5	168	122
37/64	14.684	168	122
	14.75	181	132
	15	181	132
19/32	15.081	181	132
	15.25	181	132
39/64	15.478	181	132

D	L ₁	L ₂	
	15.5	181	132
	15.75	181	132
5/8	15.875	181	132
	16	181	132
	16.25	181	132
41/64	16.272	181	132
	16.5	181	132
21/32	16.669	181	132
	16.75	194	143
	17	194	143
43/64	17.066	194	143
	17.25	194	143
11/16	17.463	194	143
	17.5	194	143
A	5.944	98	67
B	6.045	102	70
C	6.147	102	70
D	6.248	102	70
E	6.35	102	70
F	6.528	105	73
G	6.629	105	73
H	6.756	105	73
I	6.909	105	73
J	7.036	105	73
K	7.137	108	75
L	7.366	108	75
M	7.493	111	78
N	7.671	111	78
O	8.026	114	81
P	8.204	117	84
Q	8.433	121	87
R	8.611	121	87
S	8.839	124	89
T	9.093	124	89
U	9.347	127	92
V	9.576	127	92
W	9.804	130	95
X	10.084	130	95
Y	10.262	133	98
Z	10.49	133	98
60	1.016	41	17
59	1.041	41	17
58	1.067	41	17
57	1.092	44	19
56	1.181	44	19
55	1.321	48	22
54	1.397	48	22
53	1.511	48	22
52	1.613	48	22
51	1.702	51	25
50	1.778	51	25

D	L ₁	L ₂	
49	1.854	51	25
48	1.93	51	25
47	1.994	51	25
46	2.057	54	29
45	2.083	54	29
44	2.184	54	29
43	2.261	57	32
42	2.375	57	32
41	2.438	60	35
40	2.489	60	35
39	2.527	60	35
38	2.578	64	37
37	2.642	64	37
36	2.705	64	37
35	2.794	67	38
34	2.819	67	38
33	2.87	67	38
32	2.946	70	41
31	3.048	70	41
30	3.264	70	41
29	3.454	73	44
28	3.569	73	44
27	3.658	76	48
26	3.734	76	48
25	3.797	76	48
24	3.861	79	51
23	3.912	79	51
22	3.988	79	51
21	4.039	83	54
20	4.089	83	54
19	4.216	83	54
18	4.305	83	54
17	4.394	86	56
16	4.496	86	56
15	4.572	86	56
14	4.623	86	56
13	4.7	89	59
12	4.8	89	59
11	4.851	89	59
10	4.915	92	62
9	4.978	92	62
8	5.055	92	62
7	5.105	92	62
6	5.182	95	64
5	5.22	95	64
4	5.309	95	64
3	5.41	95	64
2	5.613	98	67
1	5.791	98	67

HSS Screw Machine Length Drills

D Diameter
L₁ Overall Length
L₂ Flute Length

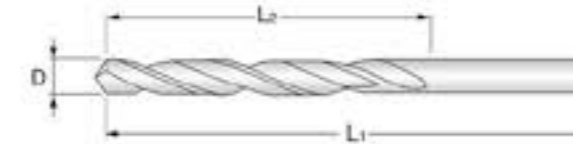


D	L ₁	L ₂	
1/16	1.588	41	16
5/64	1.984	43	17
3/32	2.381	44	19
7/64	2.778	46	21
1/8	3.175	48	22
9/64	3.572	49	24
5/32	3.969	52	25
11/64	4.366	54	27
3/16	4.763	56	29
13/64	5.159	57	30
7/32	5.556	60	32
15/64	5.953	62	33
1/4	6.35	64	35
17/64	6.747	67	37
9/32	7.144	68	38
19/64	7.541	70	40
5/16	7.938	71	41
21/64	8.334	75	43
11/32	8.731	76	43
23/64	9.128	78	44
3/8	9.525	79	46
25/64	9.922	83	48
13/32	10.319	84	49
27/64	10.716	86	51
7/16	11.113	87	52
29/64	11.509	90	54
15/32	11.906	92	54
31/64	12.303	94	56
1/2	12.7	95	57
A	5.944	62	33
B	6.045	64	35
C	6.147	64	35
D	6.248	64	35
E	6.35	64	35
F	6.528	67	37
G	6.629	67	37
H	6.756	68	38
I	6.909	68	38
J	7.036	68	38

D	L ₁	L ₂	
K	7.137	68	38
L	7.366	70	40
M	7.493	70	40
N	7.671	71	41
O	8.026	75	43
P	8.204	75	43
Q	8.433	76	43
R	8.611	76	43
S	8.839	78	44
T	9.093	78	44
U	9.347	79	46
V	9.576	83	48
W	9.804	83	48
X	10.084	84	49
Y	10.262	84	49
Z	10.49	86	51
60	1.016	35	13
59	1.041	35	13
58	1.067	35	13
57	1.092	35	13
56	1.181	35	13
55	1.321	41	16
54	1.397	41	16
53	1.511	41	16
52	1.613	43	17
51	1.702	43	17
50	1.778	43	17
49	1.854	43	17
48	1.93	43	17
47	1.994	43	17
46	2.057	44	19
45	2.093	44	19
44	2.184	44	19
43	2.201	44	19
42	2.375	44	19
41	2.438	46	21
40	2.489	46	21
39	2.527	46	21
38	2.578	46	21

D	L ₁	L ₂	
37	2.642	46	21
36	2.705	46	21
35	2.794	48	22
34	2.819	48	22
33	2.87	48	22
32	2.946	48	22
31	3.048	48	22
30	3.264	49	24
29	3.454	49	24
28	3.569	49	24
27	3.658	52	25
26	3.734	52	25
25	3.797	52	25
24	3.861	52	25
23	3.912	52	25
22	3.988	54	27
21	4.039	54	27
20	4.089	54	27
19	4.216	54	27
18	4.305	54	27
17	4.394	56	29
16	4.496	56	29
15	4.572	56	29
14	4.623	56	29
13	4.7	56	29
12	4.8	57	30
11	4.851	57	30
10	4.915	57	30
9	4.978	57	30
8	5.055	57	30
7	5.105	57	30
6	5.182	60	32
5	5.22	60	32
4	5.309	60	32
3	5.41	60	32
2	5.613	62	33
1	5.791	62	33

HSS Mechanics Length Drills



D	L ₁	L ₂	
1/16"	1.588	47.6	22.2
5/64"	1.984	50.8	25.4
3/32"	2.381	57.2	31.8
7/64"	2.778	60.3	33.3
1/8"	3.175	63.5	36.5
9/64"	3.572	66.7	39.7
5/32"	3.969	69.8	42.9
11/64"	4.366	73.0	46.0
3/16"	4.763	76.2	47.6
13/64"	5.159	79.4	49.2
7/32"	5.556	82.5	50.8
15/64"	5.953	85.7	52.4
1/4"	6.35	89.0	50.8
17/64"	6.747	92.1	54.0
9/32"	7.144	95.2	57.2
19/64"	7.541	98.4	60.3
5/16"	7.938	101.6	63.5
21/64"	8.334	103.2	65.0
11/32"	8.731	104.8	66.7
23/64"	9.128	106.4	68.3
3/8"	9.525	108.0	68.3
25/64"	9.922	109.5	70.0
13/32"	10.319	111.0	71.4
27/64"	10.716	112.7	73.0
7/16"	11.113	114.3	74.6
29/64"	11.509	117.5	76.2
15/32"	11.906	120.6	79.4
31/64"	12.303	123.8	82.5
1/2"	12.7	127.0	85.7

D	L ₁	L ₂	
A	5.944		
B	6.045		
C	6.147	89.0	51.0
D	6.248		
E	6.35		
F	6.528		
G	6.629	92.0	54.0
H	6.756		
I	6.909		
J	7.036	95.3	57.0
K	7.137		
L	7.366	98.4	60.3
M	7.493		
N	7.671	101.6	63.5
O	8.026		
P	8.204	103.2	65.0
Q	8.433	104.8	66.7
R	8.611		
S	8.839	106.4	68.3
T	9.093		
U	9.347	108.0	68.3
V	9.576		
W	9.804	109.5	70.0
X	10.084	111.0	71.4
Y	10.262		
Z	10.49	112.7	73.0

HSS Quick Change Hex Shank Drills

- We offer two types of hex shank drills: the assembled shank version and the integral, machined hex shank version. The integral shank is precision-ground for enhanced durability and superior torque resistance, making it ideal for demanding applications.



• For full size details, please contact us.

Pilot Point Hex Shank Drills

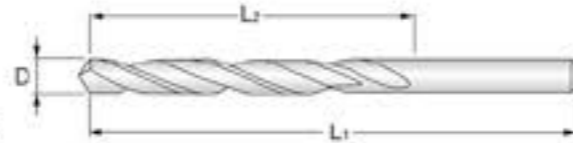


Diameter(mm)	Overall Length (mm)	Working Length (mm)	Hex shank Length (mm)
1/8	66.7	24.6	31.75
9/64	69.9	27.5	31.75
5/32	71.4	29.5	31.75
11/64	74.6	31	31.75
3/16	76.2	31.8	31.75
13/64	77.8	33.3	31.75
7/32	79.4	34.9	31.75
15/64	80.2	36.5	31.75
1/4	81	38.1	31.75
9/32	88.9	44.5	31.75
5/16	101.6	50.8	31.75
11/32	101.6	50.8	31.75
3/8	101.6	50.8	31.75
7/16	101.6	50.8	31.75
1/2	101.6	50.8	31.75

• For full size details, please contact us.

HSS Aircraft Extension Drills

D Diameter
L Overall Length
L_f Flute Length

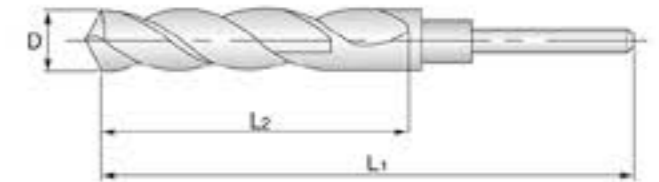


D	L _f		L	
	6"	12"		
1/16	1.588	152.4	304.8	22
5/64	1.984	152.4	304.8	25
3/32	2.381	152.4	304.8	32
7/64	2.778	152.4	304.8	38
1/8	3.175	152.4	304.8	41
9/64	3.572	152.4	304.8	44
5/32	3.969	152.4	304.8	51
11/64	4.366	152.4	304.8	54
3/16	4.763	152.4	304.8	59
13/64	5.159	152.4	304.8	62
7/32	5.556	152.4	304.8	64
15/64	5.953	152.4	304.8	67
1/4	6.35	152.4	304.8	70
17/64	6.747	152.4	304.8	73
9/32	7.144	152.4	304.8	75
19/64	7.541	152.4	304.8	78
5/16	7.938	152.4	304.8	81
21/64	8.334	152.4	304.8	84
11/32	8.731	152.4	304.8	87
23/64	9.128	152.4	304.8	89
3/8	9.525	152.4	304.8	92
25/64	9.922	152.4	304.8	95
13/32	10.319	152.4	304.8	98
27/64	10.716	152.4	304.8	100
7/16	11.113	152.4	304.8	103
29/64	11.509	152.4	304.8	106
15/32	11.906	152.4	304.8	110
31/64	12.303	152.4	304.8	111
1/2	12.7	152.4	304.8	114
52	1.613	152.4	304.8	22
51	1.702	152.4	304.8	25
50	1.778	152.4	304.8	25
49	1.854	152.4	304.8	25
48	1.93	152.4	304.8	25
47	1.994	152.4	304.8	25
46	2.057	152.4	304.8	29
45	2.083	152.4	304.8	29
44	2.184	152.4	304.8	29
43	2.261	152.4	304.8	32
42	2.375	152.4	304.8	32
41	2.438	152.4	304.8	35
40	2.489	152.4	304.8	35
39	2.527	152.4	304.8	35
38	2.578	152.4	304.8	37
37	2.642	152.4	304.8	37
36	2.705	152.4	304.8	37
35	2.794	152.4	304.8	38
34	2.819	152.4	304.8	38
33	2.87	152.4	304.8	38
32	2.946	152.4	304.8	41
31	3.048	152.4	304.8	41
30	3.264	152.4	304.8	41
29	3.454	152.4	304.8	44
28	3.589	152.4	304.8	44

D	L _f		L	
	6"	12"		
27	3.658	152.4	304.8	48
26	3.734	152.4	304.8	48
25	3.797	152.4	304.8	48
24	3.861	152.4	304.8	51
23	3.912	152.4	304.8	51
22	3.988	152.4	304.8	51
21	4.039	152.4	304.8	54
20	4.089	152.4	304.8	54
19	4.216	152.4	304.8	54
18	4.305	152.4	304.8	54
17	4.394	152.4	304.8	56
16	4.496	152.4	304.8	56
15	4.572	152.4	304.8	56
14	4.623	152.4	304.8	56
13	4.7	152.4	304.8	59
12	4.8	152.4	304.8	59
11	4.851	152.4	304.8	59
10	4.915	152.4	304.8	62
9	4.978	152.4	304.8	62
8	5.055	152.4	304.8	62
7	5.105	152.4	304.8	62
6	5.182	152.4	304.8	64
5	5.22	152.4	304.8	64
4	5.309	152.4	304.8	64
3	5.41	152.4	304.8	64
2	5.613	152.4	304.8	67
1	5.791	152.4	304.8	67
A	5.944	152.4	304.8	67
B	6.045	152.4	304.8	70
C	6.147	152.4	304.8	70
D	6.248	152.4	304.8	70
E	6.35	152.4	304.8	70
F	6.528	152.4	304.8	73
G	6.629	152.4	304.8	73
H	6.756	152.4	304.8	73
I	6.909	152.4	304.8	73
J	7.036	152.4	304.8	73
K	7.137	152.4	304.8	75
L	7.366	152.4	304.8	75
M	7.493	152.4	304.8	78
N	7.671	152.4	304.8	78
O	8.026	152.4	304.8	81
P	8.204	152.4	304.8	84
Q	8.433	152.4	304.8	87
R	8.611	152.4	304.8	87
S	8.839	152.4	304.8	89
T	9.093	152.4	304.8	89
U	9.347	152.4	304.8	92
V	9.576	152.4	304.8	92
W	9.804	152.4	304.8	95
X	10.084	152.4	304.8	95
Y	10.262	152.4	304.8	98
Z	10.49	152.4	304.8	98

Sliver & Deming/Reduced Shank Drills

D Diameter
L Overall Length
L_f Flute Length



D	L _f	L	
33/64	13.007	152.4	76.2
17/32	13.494	152.4	76.2
35/64	13.891	152.4	76.2
9/16	14.288	152.4	76.2
37/64	14.684	152.4	76.2
19/32	15.081	152.4	76.2
39/64	15.478	152.4	76.2
5/8	15.875	152.4	76.2
41/64	16.272	152.4	76.2
21/32	16.669	152.4	76.2
43/64	17.066	152.4	76.2
11/16	17.463	152.4	76.2
45/64	17.859	152.4	76.2
23/32	18.256	152.4	76.2
47/64	18.653	152.4	76.2
3/4	19.05	152.4	76.2
49/64	19.447	152.4	76.2
25/32	19.844	152.4	76.2
51/64	20.241	152.4	76.2
13/16	20.638	152.4	76.2
53/64	21.034	152.4	76.2
27/32	21.431	152.4	76.2
55/64	21.828	152.4	76.2
7/8	22.225	152.4	76.2
57/64	22.622	152.4	76.2
29/32	23.019	152.4	76.2
59/64	23.416	152.4	76.2
15/16	23.813	152.4	76.2
61/64	24.209	152.4	76.2
31/32	24.606	152.4	76.2
63/64	25.003	152.4	76.2
1/1	25.400	152.4	76.2

D	L _f	L	
1-1/64	25.797	152.4	76.2
1-1/32	26.194	152.4	76.2
1-3/64	26.591	152.4	76.2
1-1/16	26.988	152.4	76.2
1-5/64	27.384	152.4	76.2
1-3/32	27.781	152.4	76.2
1-7/64	28.178	152.4	76.2
1-1/8	28.575	152.4	76.2
1-9/64	28.972	152.4	76.2
1-5/32	29.369	152.4	76.2
1-11/64	29.766	152.4	76.2
1-3/16	30.163	152.4	76.2
1-13/64	30.559	152.4	76.2
1-7/32	30.956	152.4	76.2
1-15/64	31.353	152.4	76.2
1-1/4	31.750	152.4	76.2
1-17/64	32.147	152.4	76.2
1-9/32	32.544	152.4	76.2
1-19/64	32.941	152.4	76.2
1-5/16	33.338	152.4	76.2
1-21/64	33.734	152.4	76.2
1-11/32	34.131	152.4	76.2
1-23/64	34.528	152.4	76.2
1-3/8	34.925	152.4	76.2
1-25/64	35.322	152.4	76.2
1-13/32	35.719	152.4	76.2
1-27/64	36.116	152.4	76.2
1-7/16	36.513	152.4	76.2
1-29/64	36.909	152.4	76.2
1-15/32	37.306	152.4	76.2
1-31/64	37.703	152.4	76.2
1-1/2	38.100	152.4	76.2

Special Drill Bits

Parabolic Flute Drill Bits

- ◆ Parabolic flute shape
- ◆ Increased helix angle
- ◆ High efficiency and durability

Industrial Titanium and Industrial TiAlN Coating Twist Drills

- ◆ 135 degree split point
- ◆ High abrasion-resistant and durable
- ◆ Superior cutting performance

Special Drill Bits

Multi-cutting Edge Tip Drill Bits

- ◆ Multi-cutting edges design at the tip
- ◆ Precise positioning, stable and non-slip
- ◆ Easy drilling
- ◆ Greatly increases the number of times the drill bit being used

3 Edge Head Drill Bits

- ◆ 3 edge cutter head design
- ◆ Greatly reduces tip abrasion during use
- ◆ High efficiency and durability

Special Drill Bits



Drill Bits With Pilot Point

- ◆ Pilot Point design at the tip
- ◆ Reduces drilling friction
- ◆ Significantly Increases the number of drill holes



Chipbreaker drill bits

- ◆ Chipbreaker drills effectively curls and breaks long strands of material into smaller, manageable chips. This feature greatly aids in the evacuation of chips from the drill hole, enhancing overall drilling efficiency and safety by preventing clogging and reducing heat buildup.

Special Drill Bits



Spot-Weld Drill Bits

- ◆ Spot-weld drill bits are used in handheld drills to drill out a spot weld that is holding two or more thin sheets of metal together. They are commonly used to separate spot-welded auto body panels without damaging the bottom panel.

Dia(mm)	Flute Length(mm)	Overall Length(mm)
6	28	66
8	37	80
10	43	88

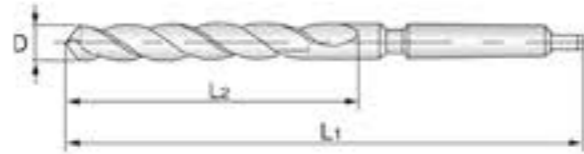


Left-Handed Drill Bits

- ◆ Left-handed drill bits are designed to be used in reversible drills to drill out broken or stuck screws. The counterclockwise motion can sometimes back the fastener out, eliminating the need to re-tap the hole before replacing the removed screw.

Morse Taper Shank Twist Drills-DIN345

D Diameter
L₂ Overall Length
L₁ Flute Length

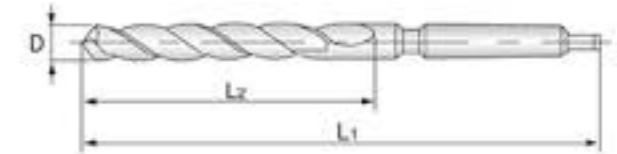


D	L ₂	L ₁	SHANK
3	33	114	1
3.2	36	117	1
3.5	39	120	1
3.8	43	124	1
4	43	124	1
4.2	43	124	1
4.5	47	129	1
4.8	52	133	1
5	52	133	1
5.2	52	133	1
5.5	57	138	1
5.8	57	138	1
6	57	138	1
6.2	63	144	1
6.5	63	144	1
6.8	69	150	1
7	69	150	1
7.2	69	150	1
7.5	69	150	1
7.8	75	156	1
8	75	156	1
8.2	75	156	1
8.5	75	156	1
8.8	81	162	1
9	81	162	1
9.2	81	162	1
9.5	81	162	1
9.8	87	168	1
10	87	168	1
10.2	87	168	1
10.5	87	168	1
10.8	94	175	1
11	94	175	1
11.2	94	175	1
11.5	94	175	1
11.8	94	175	1
12	101	182	1
12.2	101	182	1
12.5	101	182	1
12.8	101	182	1
13	101	182	1
13.2	101	182	1
13.5	108	189	1
13.8	108	189	1
14	108	189	1
14.25	114	212	2
14.5	114	212	2
14.75	114	212	2
15	114	212	2
15.25	120	218	2
15.5	120	218	2

D	L ₂	L ₁	SHANK
15.75	120	218	2
16	120	218	2
16.25	125	223	2
16.5	125	223	2
16.75	125	223	2
17	125	223	2
17.25	130	228	2
17.5	130	228	2
17.75	130	228	2
18	130	228	2
18.25	135	233	2
18.5	135	233	2
18.75	135	233	2
19	135	233	2
19.25	140	238	2
19.5	140	238	2
19.75	140	238	2
20	140	238	2
20.25	145	243	2
20.5	145	243	2
20.75	145	243	2
21	145	243	2
21.25	150	248	2
21.5	150	248	2
21.75	150	248	2
22	150	248	2
22.25	150	248	2
22.5	155	253	2
22.75	155	253	2
23	155	253	2
23.25	155	276	3
23.5	155	276	3
23.75	160	281	3
24	160	281	3
24.25	160	281	3
24.5	160	281	3
24.75	160	281	3
25	160	281	3
25.25	165	286	3
25.5	165	286	3
25.75	165	286	3
26	165	286	3
26.25	165	286	3
26.5	165	286	3
26.75	170	291	3
27	170	291	3
27.25	170	291	3
27.5	170	291	3
27.75	170	291	3
28	170	291	3
28.25	175	296	3

Morse Taper Shank Twist Drills-DIN345

D Diameter
L₂ Overall Length
L₁ Flute Length



D	L ₂	L ₁	SHANK
28.5	175	296	3
28.75	175	296	3
29	175	296	3
29.25	175	296	3
29.5	175	296	3
29.75	175	296	3
30	175	296	3
30.25	180	301	3
30.5	180	301	3
30.75	180	301	3
31	180	301	3
31.25	180	301	3
31.5	180	301	3
31.75	185	306	3
32	185	334	4
32.5	185	334	4
33	185	334	4
33.5	185	334	4
34	190	339	4
34.5	190	339	4
35	190	339	4
35.5	190	339	4
36	195	344	4
36.5	195	344	4
37	195	344	4
37.5	195	344	4
38	200	349	4
38.5	200	349	4
39	200	349	4
39.5	200	349	4
40	200	349	4
40.5	205	354	4
41	205	354	4
41.5	205	354	4
42	205	354	4
42.5	205	354	4
43	210	359	4
43.5	210	359	4
44	210	359	4
44.5	210	359	4
45	210	359	4
45.5	215	364	4
46	215	364	4
46.5	215	364	4
47	215	364	4
47.5	215	364	4
48	220	369	4
48.5	220	369	4
49	220	369	4
49.5	220	369	4
50	220	369	4

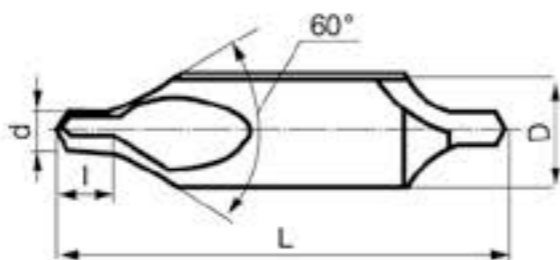
D	L ₂	L ₁	SHANK
50.5	225	374	4
51	225	412	5
52	225	412	5
53	225	412	5
54	230	417	5
55	230	417	5
56	230	417	5
57	235	422	5
58	235	422	5
59	235	422	5
60	235	422	5
61	240	427	5
62	240	427	5
63	240	427	5
64	245	432	5
65	245	432	5
66	245	432	5
67	245	432	5
68	250	437	5
69	250	437	5
70	250	437	5
71	250	437	5
72	255	442	5
73	255	442	5
74	255	442	5
75	255	442	5
76	260	447	5
77	260	514	6
78	260	514	6
79	260	514	6
80	260	514	6
81	265	519	6
82	265	519	6
83	265	519	6
84	265	519	6
85	265	519	6
86	270	524	6
87	270	524	6
88	270	524	6
89	270	524	6
90	270	524	6
91	275	529	6
92	275	529	6
93	275	529	6
94	275	529	6
95	275	529	6
96	280	534	6
97	280	534	6
98	280	534	6
99	280	534	6
100	280	534	6

HSS Center Drills-DIN333



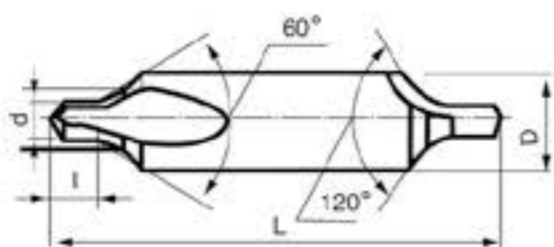
Type A

d	D	l	L
1	3.2	1.3	31.5
1.5	4.0	2.0	35.5
2	5.0	2.5	40.0
2.5	6.3	3.1	45.0
3	8.0	3.9	50.0
3.15	8.0	3.9	50.0
4	10.0	5.0	56.0
5	12.5	6.3	63.0
6	16.0	8.0	71.0



Type B

d	D	l	L
1	4.0	1.3	35.5
1.5	6.3	2.0	45.0
2	8.0	2.5	50.0
2.5	10.0	3.1	56.0
3	11.2	3.9	50.0
3.15	8.0	3.9	60.0
4	14.0	5.0	67.0
5	18.0	6.3	75.0
6	20.0	8.0	80.0



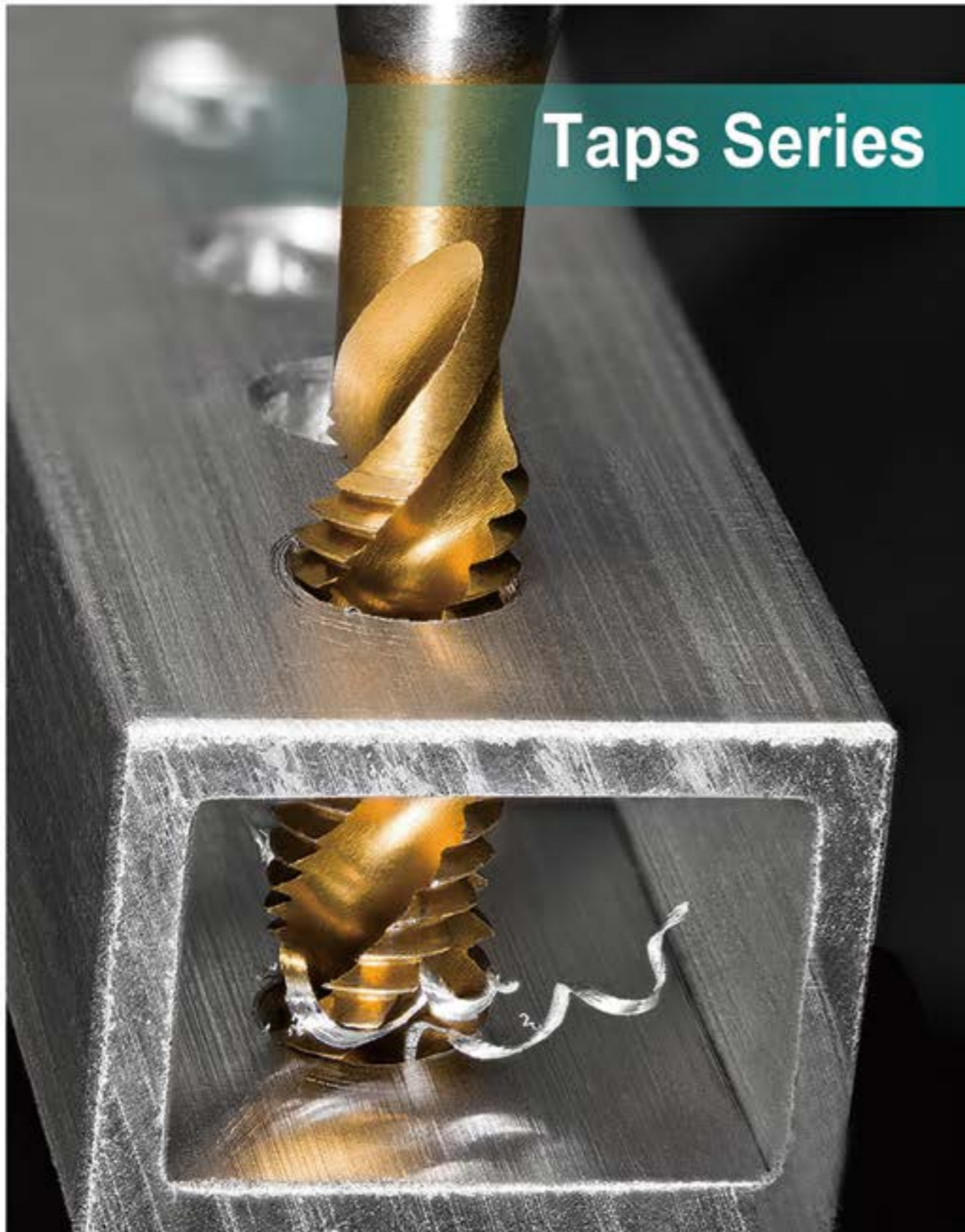
HSS Step Drills



DRILLING RANGE/MM	STEPS
4 - 12	5
4 - 12	9
4 - 20	9
4 - 22	10
4 - 25	11
4 - 30	14
4 - 32	15

DRILLING RANGE/INCH	STEPS
3/16 - 1/2	6
1/8 - 1/2	13
3/16 - 7/8	12
1/4 - 3/4	9
1/4 - 1 3/8	10





HSS Taps-Overview



Standards:

JIS: Japanese national standards. The size is expressed in mm.

DIN: German national standards. The size is expressed in mm. The overall length is longer than that in JIS.

ANSI: American national standards. The size is expressed in inches.

GB/ISO: National Industrial Standard. The size is expressed in mm.



Coatings:

We mainly offer two kinds of industrial coatings: TiN and TiCN. They can enhance abrasion resistance and hardness, reduce heat and friction, extend service life, and show higher cutting efficiency.

Straight Fluted Taps



Standard: JIS, DIN371, DIN376, ANSI, GB/ISO

• Straight flutes are designed for efficient cutting of material and chip removal. Chips are discharged in a downward direction, making it suitable for machining through holes and shallow blind holes.

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
M6×0.75	0.75	66	19	4.5	3.55	5.25	H1 H2 H3
M8	1.25	72	22	6.3	5.0	6.7	H1 H2 H3
M8×10	1.0	72	22	6.3	5.0	7.0	H1 H2 H3
M10	1.5	80	24	8.0	6.3	8.5	H1 H2 H3
M10×1.25	1.25	80	24	8.0	6.3	8.75	H1 H2 H3
M10×1.0	1.0	80	24	8.0	6.3	9.0	H1 H2 H3
M12	1.75	89	29	9.0	7.1	10.25	H1 H2 H3
M12×1.25	1.25	89	29	9.0	7.1	10.75	H1 H2 H3
M12×1.0	1.0	80	22	9.0	7.1	11.0	H1 H2 H3
M14	2.0	95	30	11.2	9.0	12.0	H1 H2 H3
M14×1.5	1.5	95	30	11.2	9.0	12.5	H1 H2 H3
M14×1.0	1.0	87	22	11.2	9.0	13.0	H1 H2 H3
M16	2.0	102	32	12.5	10	14.0	H1 H2 H3
M16×1.5	1.5	102	32	12.5	10	14.5	H1 H2 H3
M16×1.0	1.0	92	22	12.5	10	15.0	H1 H2 H3
M18	2.5	112	37	14	11.2	15.5	H1 H2 H3
M18×1.5	1.5	112	37	14	11.2	16.5	H1 H2 H3
M18×1.0	1.0	97	22	14	11.2	17.0	H1 H2 H3
M20	2.5	112	37	14	11.2	17.5	H1 H2 H3
M20×2.0	2.0	112	37	14	11.2	18.0	H1 H2 H3
M20×1.5	1.5	112	37	14	11.2	18.5	H1 H2 H3
M20×1.0	1.0	102	22	14	11.2	19.0	H1 H2 H3
M22	2.5	118	38	16	12.5	19.5	H1 H2 H3
M22×2.0	2.0	118	38	16	12.5	20.0	H1 H2 H3
M22×1.5	1.5	118	38	16	12.5	20.5	H1 H2 H3
M22×1.0	1.0	100	34	16	12.5	21.0	H1 H2 H3

Spiral Fluted Taps



Standard: JIS, DIN371, DIN376, ANSI, GB/ISO

• Featuring a helical flute that allows chips to spiral upward and out, it is suitable for blind hole machining. This design reduces the risk of chip clogging and improves smoothness and speed of machining.

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
M6×0.75	0.75	66	19	4.5	3.55	5.25	H1 H2 H3
M8	1.25	72	22	6.3	5.0	6.7	H1 H2 H3
M8×10	1.0	72	22	6.3	5.0	7.0	H1 H2 H3
M10	1.5	80	24	8.0	6.3	8.5	H1 H2 H3
M10×1.25	1.25	80	24	8.0	6.3	8.75	H1 H2 H3
M10×1.0	1.0	80	24	8.0	6.3	9.0	H1 H2 H3
M12	1.75	89	29	9.0	7.1	10.25	H1 H2 H3
M12×1.25	1.5	89	29	9.0	7.1	10.5	H1 H2 H3
M12×1.0	1.0	80	22	9.0	7.1	11.0	H1 H2 H3
M14	2.0	95	30	11.2	9.0	12.0	H1 H2 H3
M14×1.5	1.5	95	30	11.2	9.0	12.5	H1 H2 H3
M14×1.0	1.0	87	22	11.2	9.0	13.0	H1 H2 H3
M16	2.0	102	32	12.5	10	14.0	H1 H2 H3
M16×1.5	1.5	102	32	12.5	10	14.5	H1 H2 H3
M16×1.0	1.0	92	22	12.5	10	15.0	H1 H2 H3
M18	2.5	112	37	14	11.2	15.5	H1 H2 H3
M18×1.5	1.5	112	37	14	11.2	16.5	H1 H2 H3
M18×1.0	1.0	97	22	14	11.2	17.0	H1 H2 H3
M20	2.5	112	37	14	11.2	17.5	H1 H2 H3
M20×2.0	2.0	112	37	14	11.2	18.0	H1 H2 H3
M20×1.5	1.5	112	37	14	11.2	18.5	H1 H2 H3
M20×1.0	1.0	102	22	14	11.2	19.0	H1 H2 H3
M22	2.5	118	38	16	12.5	19.5	H1 H2 H3
M22×2.0	2.0	118	38	16	12.5	20.0	H1 H2 H3
M22×1.5	1.5	118	38	16	12.5	20.5	H1 H2 H3
M22×1.0	1.0	100	24	16	12.5	21.0	H1 H2 H3

Spiral Pointed Taps



Standard: JIS, DIN371, DIN376, ANSI, GB/ISO

•The addition of a tapered tip design to spiral fluted taps makes them easier to start cutting and position accurately, improving starting accuracy and cutting smoothness. Chips are discharged downward, making them suitable for machining harder through holes with high thread accuracy.

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
M6×0.75	0.75	66	19	4.5	3.55	5.25	H1 H2 H3
M8	1.25	72	22	6.3	5.0	6.7	H1 H2 H3
M8×10	1.0	72	22	6.3	5.0	7.0	H1 H2 H3
M10	1.5	80	24	8.0	6.3	8.5	H1 H2 H3
M10×1.25	1.25	80	24	8.0	6.3	8.75	H1 H2 H3
M10×1.0	1.0	80	24	8.0	6.3	9.0	H1 H2 H3
M12	1.75	89	29	9.0	7.1	10.25	H1 H2 H3
M12×1.25	1.5	89	29	9.0	7.1	10.5	H1 H2 H3
M12×1.0	1.0	80	22	9.0	7.1	11.0	H1 H2 H3
M14	2.0	95	30	11.2	9.0	12.0	H1 H2 H3
M14×1.5	1.5	95	30	11.2	9.0	12.5	H1 H2 H3
M14×1.0	1.0	87	22	11.2	9.0	13.0	H1 H2 H3
M16	2.0	102	32	12.5	10	14.0	H1 H2 H3
M16×1.5	1.5	102	32	12.5	10	14.5	H1 H2 H3
M16×1.0	1.0	92	22	12.5	10	15.0	H1 H2 H3
M18	2.5	112	37	14	11.2	15.5	H1 H2 H3
M18×1.5	1.5	112	37	14	11.2	16.5	H1 H2 H3
M18×1.0	1.0	97	22	14	11.2	17.0	H1 H2 H3
M20	2.5	112	37	14	11.2	17.5	H1 H2 H3
M20×2.0	2.0	112	37	14	11.2	18.0	H1 H2 H3
M20×1.5	1.5	112	37	14	11.2	18.5	H1 H2 H3
M20×1.0	1.0	102	22	14	11.2	19.0	H1 H2 H3
M22	2.5	118	38	16	12.5	19.5	H1 H2 H3
M22×2.0	2.0	118	38	16	12.5	20.0	H1 H2 H3
M22×1.5	1.5	118	38	16	12.5	20.5	H1 H2 H3
M22×1.0	1.0	100	24	16	12.5	21.0	H1 H2 H3

Roll Forming Taps



Standard: JIS, DIN371, DIN376, ANSI, GB/ISO

•Instead of forming threads by cutting, extrusion taps shape threads by extruding the material. This type of tap produces no chips and is suitable for machining more plastic materials.

Size	L(mm)	Lc(mm)	Shank Length	d(mm)	F×E
M2×0.4	40	8	-	3	2.5×5
M2.5×0.45	44	9.5	-	3	2.5×5
M2.6×0.45	44	9.5	-	3	2.5×5
M3×0.5	46	11	19	4	3.2×6
M3.5×0.6	48	13	20	4	3.2×6
M4×0.7	52	13	21	5	4×7
M5×0.8	60	16	24	5.5	4.5×7
M5×1	62	19	29	6	4.5×7
M6×0.75	62	19	29	6	4.5×7
M6×0.5	62	15	29	6	4.5×7
M7×1	66	19	33	6.2	5×8
M7×0.75	66	19	33	6.2	5×8
M7×0.5	66	15	29	6.2	5×8
M8×1.25	70	22	37	6.2	5×8
M8×1	70	22	37	6.2	5×8
M8×0.75	70	20	35	6.2	5×8
M8×0.5	70	15	30	6.2	5×8
M9×1.25	72	22	38	7	5.5×8
M9×1	72	22	38	7	5.5×8
M9×0.75	72	20	36	7	5.5×8
M9×0.5	70	15	31	7	5.5×8
M10×1.5	75	24	41	7	5.5×8
M10×1.25	75	24	41	7	5.5×8
M10×1	75	24	41	7	5.5×8
M10×0.75	75	20	37	7	5.5×8
M10×0.5	70	15	32	7	5.5×8
M11×1.5	80	25	48	8	6×9
M11×1.25	80	25	48	8	6×9
M11×1	80	25	48	8	6×9
M11×0.75	80	20	39	8	6×9
M11×0.5	70	15	34	8	6×9
M12×1.75	82	29	48	8.5	6.5×9
M12×1.5	82	29	48	8.5	6.5×9
M12×1.25	82	29	48	8.5	6.5×9
M12×1	82	29	48	8.5	6.5×9
M12×0.75	82	20	39	8.5	6.5×9
M12×0.5	70	15	34	8.5	6.5×9

Four Square Shank With Drill Tap Series

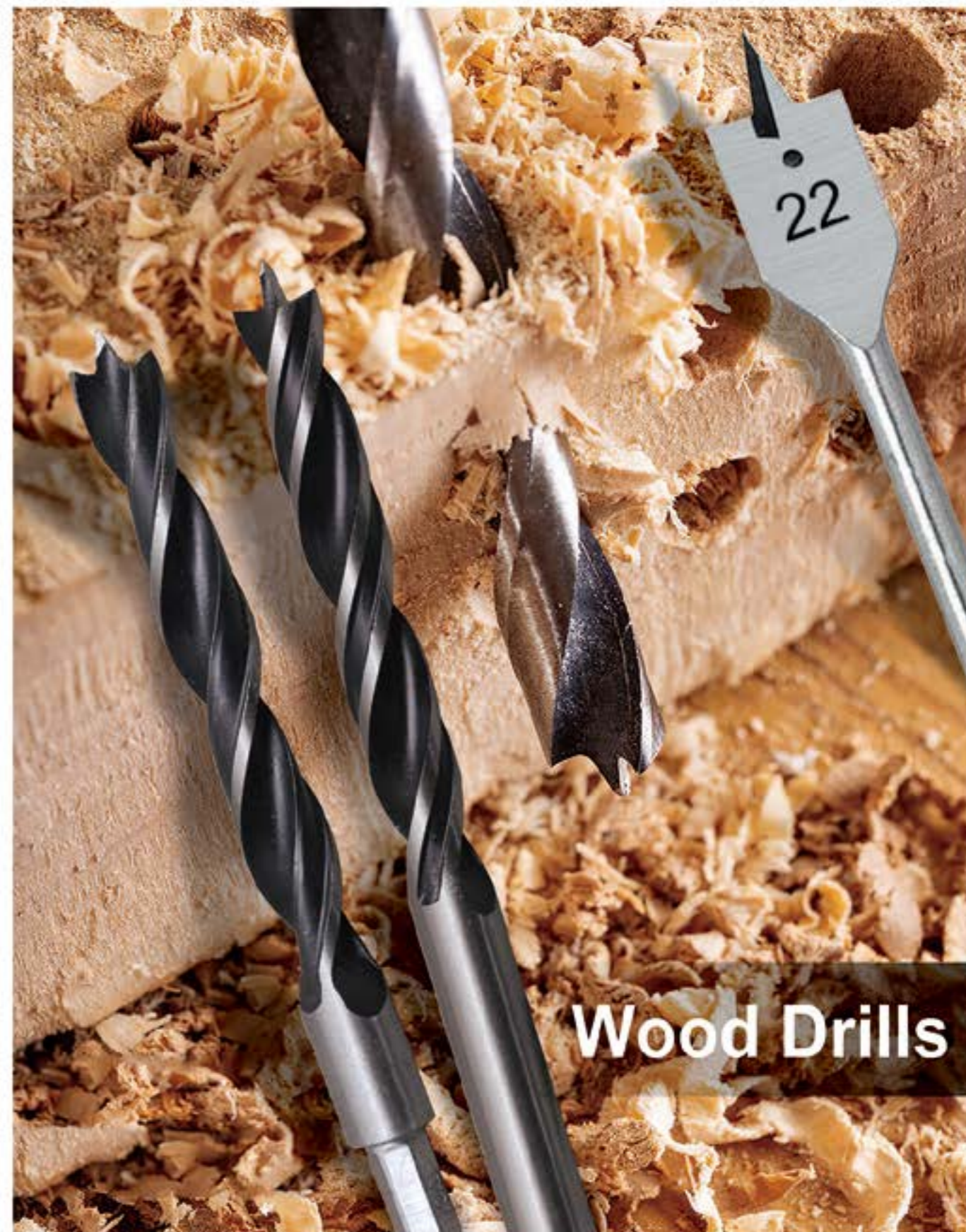


Size	Overall Length	Thread Length	Drill Length	Drill Dia	Shank Dia	F×E
M3×0.5	53	11	7	2.58	4.0	3.2×6
M4×0.7	58	13	10	3.4	4.0	3.15×6
M5×0.8	65	16	11	4.32	5.0	4×7
M6×1	69	19	14	5.16	6.3	5×8
M8×1.25	76	24	18	6.95	8.0	6.3×9
M10×1.5	90	27	21	8.74	10.0	8×11
M12×1.75	109	35	29	10.52	9.0	7.1×10
4-40NC	53	11	7	2.26	4.0	3.2×6
4-48NF	53	11	7	2.36	4.0	3.2×6
5-40NC	53	11	7	2.58	4.0	3.2×6
5-44NF	53	11	7	2.64	4.0	3.2×6
6-32NC	58	13	10	2.78	4.0	3.15×6
6-40NF	58	13	10	2.92	4.0	3.15×6
8-32NC	58	13	10	3.45	4.0	3.15×6
8-36NF	58	13	10	3.52	4.0	3.15×6
10-24NC	65	16	11	3.86	5.0	4×7
10-32NF	65	16	11	4.09	5.0	4×7
12-24NC	69	19	14	4.5	6.3	5×8
12-28NF	69	19	14	4.66	6.3	5×8
1/4-20NC	69	19	14	5.1	6.3	5×8
1/4-28NF	69	19	14	5.52	6.3	5×8
5/16-18NC	76	24	18	6.53	8.0	6.3×9
5/16-24NF	76	24	18	6.91	8.0	6.3×9
3/8-16NC	90	27	21	7.94	10.0	8×11
3/8-24NF	90	27	21	8.5	10.0	8×11
7/16-14NC	109	35	29	9.35	9.0	7.1×10
7/16-20NF	109	35	29	9.88	9.0	7.1×10
1/2-13NC	109	35	29	10.8	9.0	7.1×10
1/2-20NF	109	35	29	11.46	9.0	7.1×10

Hexagon Shank With Drill Tap Series



Size	Overall Length	Thread Length	Drill Length	Drill Dia	Shank Dia	F×E
M3×0.5	66	13	4	2.58	7	6.35×26
M4×0.7	67	14	5	3.4	7	6.35×26
M5×0.8	68	15	6	4.32	7	6.35×26
M6×1	69	16	7	5.16	7	6.35×26
M8×1.25	71	18	9	6.95	7	6.35×26
M10×1.5	73	20	11	8.74	7	6.35×26



Wood Drills

Brad Point Wood Drills



APPLICATIONS: For drilling accurate, splinter-free holes in soft wood, hard wood, plywood and hardboard.

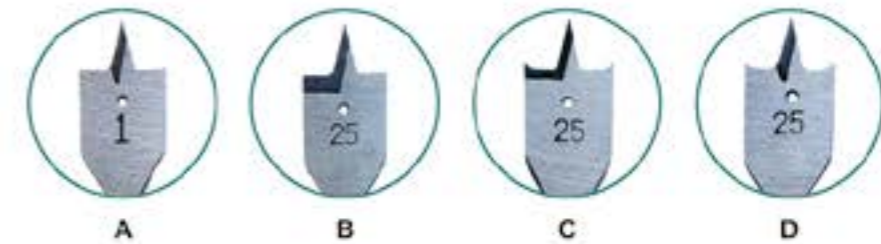
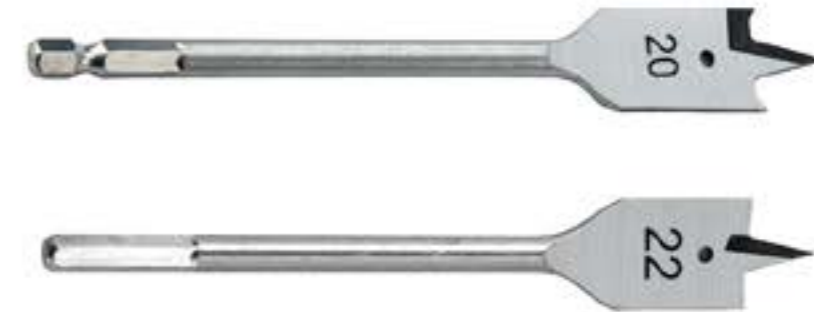
Offering 3 types: Normal, edge clear and double flutes.

DIA. (MM)	OVERALL LENGTH (MM)	WORKING LENGTH (MM)
3	81	33
4	75	43
5	96	52
6	93	57
7	109	69
8	117	75
9	125	81
10	133	87
11	142	94
12	151	101
13	151	101
14	160	108
15	168	114
16	178	120
18	160	100
20	160	100
18	200	120
20	200	120
22	200	120
24	200	120
26	200	120

DIA. (INCH)	OVERALL LENGTH (MM)	WORKING LENGTH (MM)
6	300	160
8	300	160
10	300	160
12	300	160
14	300	160
16	300	160
18	300	160
20	300	160
22	300	160
24	300	160
26	300	160
6	400	240
8	400	240
10	400	240
12	400	240
14	400	240
16	400	240
18	400	240
20	400	240
22	400	240
24	400	240
26	400	240



Spade Drill 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



SDS Hammer Drills

SDS Hammer Drills

APPLICATIONS:

For drilling accurate, splinter-free holes in Concrete, Stone, Brick, Breeze Block.

CARBIDE HEADS:



Flat Head



Cross Head

FLUTES:



Double Flutes



Single Flute

SHANK:



SDS-PLUS



SDS-MAX



SIZE	SIZE
4x110	30x350
5x110	32x350
6x110	35x350
5x160	8x410
6x160	10x410
7x160	12x410
8x160	14x410
10x160	16x410
12x160	18x410
14x160	20x410
16x160	22x410
18x160	24x410
20x160	25x410
6x210	26x410
8x210	28x410
10x210	30x410
12x210	32x410
14x210	8x460
16x210	10x460
18x210	12x460
20x210	14x460
22x210	16x460
25x210	18x460
6x260	20x460
8x260	22x460
10x260	24x460
12x260	25x460
14x260	26x460
16x260	28x460
18x260	30x460
20x260	32x460
22x260	35x460
25x260	38x460
6x310	10x500
8x310	12x500
10x310	14x500
12x310	16x500
14x310	18x500
16x310	20x500
18x310	22x500
20x310	25x500
22x310	28x500
25x310	30x500
8x350	32x500
10x350	10x600
12x350	12x600
14x350	14x600
16x350	16x600
18x350	18x600
20x350	20x600
22x350	22x600
24x350	25x600
25x350	28x600
26x350	30x600
28x350	32x600

* For full size details, please contact us.

SDS Chisel Bits

SDS-PLUS Shank Chisel Bits



APPLICATIONS:

For light chiseling and gouging application on concrete, masonry and natural stone.

TYPE	SIZE
POINT	14 x 250
FLAT	14 x 250 x 20
FLAT	14 x 250 x 40

SDS-MAX Shank Chisel Bits



TYPE	SIZE
POINT	18 x 280mm
FLAT	18 x 280 x 25mm
FLAT	18 x 280 x 40mm
FLAT	18 x 280 x 75mm
POINT	18 x 400mm
FLAT	18 x 400 x 25mm
FLAT	18 x 400 x 40mm
POINT	18 x 600mm
FLAT	18 x 600 x 25mm
FLAT	18 x 600 x 40mm



17pcs SDS-PLUS Drill & Chisel Set

Contains: 5, 6, 6, 8, 10x110mm Point chisel: 14x150mm
 8, 8, 8, 10x160mm Flat chisel: 14x250x20mm
 8, 10x210mm 14x150x20mm
 14x250mm 14x250x20mm
 14x250x40mm



10pcs SDS-PLUS Drill & Chisel Set

Contains: 6x110mm Point chisel: 14x340mm
 8x150mm Flat chisel: 14x340x20mm
 10, 12x210mm
 10, 12, 15, 20x450mm



Masonry Drills

Masonry Drills

Item No.	Masonry Drills (Metric size series)	Standard
JC-M01	 Masonry Drills, Zinc Plated	DIN8039
JC-M02	 Masonry Drills, Black Oxide	
JC-M03	 Masonry Drills, Nickel Plated	
JC-M04	 Masonry Drills, Black & White	
JC-M05	 Masonry Drills, Tin-Coated	
JC-M06	 Masonry Drills, high-helix, Chrome Plated	
JC-M07	 Masonry Drills, high-helix Nickel Plated	
JC-M08	 Masonry Drills, high-helix Zinc Plated	
JC-M09	 Masonry Drills, Reduced Shank, Chrome Plated	
JC-M10	 Masonry Drills, Parabola Flute	
JC-M11	 Masonry Drills, Extra Long Length	

Masonry Drills



APPLICATIONS:

For drilling in concrete, reinforced concrete, brick and block, masonry, etc.

D Diameter
L₁ Overall Length
L₂ Flute Length

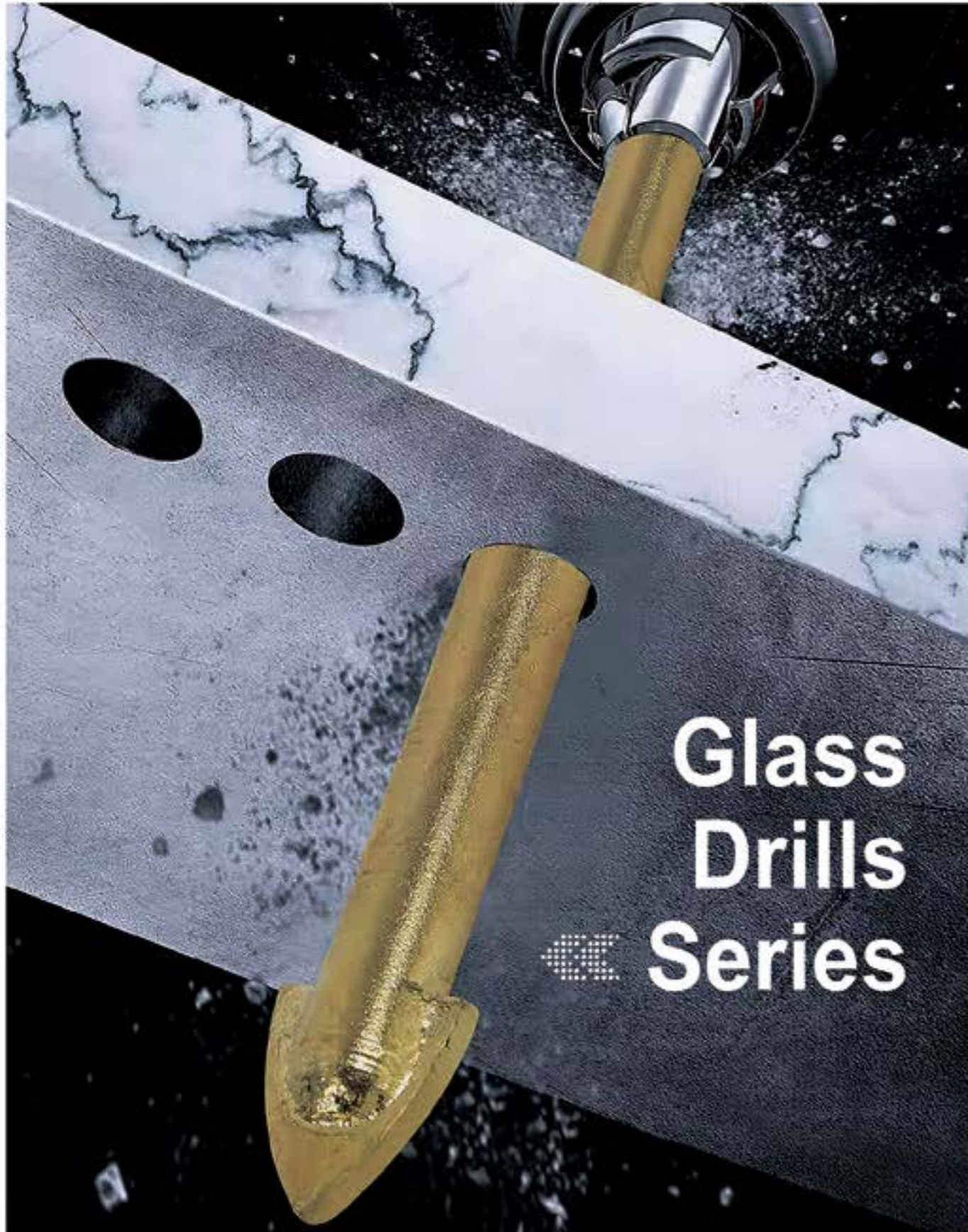
MM

D	L ₁	L ₂	SHANK
3	70	30	3
4	75	40	4
5	85	50	5
6	100	60	6
7	100	60	7
8	120	70	8
9	120	70	9
10	120	70	10
11	150	80	10
12	150	80	10
13	150	80	10
14	150	100	10
15	150	100	10
16	160	100	13
17	160	100	13
18	160	100	13
19	160	100	13
20	160	100	13
21	160	100	13
22	160	100	13
23	160	100	13
24	160	100	13
25	160	100	13
26	160	100	13

INCH

D	L ₁	L ₂	SHANK
1/8	3	1-1/2	1/8
5/32	3	1-1/2	5/32
3/16	4	2-1/8	3/16
3/16	6	4	3/16
1/4	4	2	1/4
1/4	6	4	1/4
5/16	4	2	1/4
5/16	6	4	1/4
3/8	4	2	1/4
3/8	6	4	3/8
7/16	4	2	1/4
7/16	6	4	3/8
1/2	4	2	1/4
1/2	6	4	3/8
9/16	6	4	3/8
5/8	4	2	1/4
5/8	6	4	3/8
11/16	6	4	1/2
3/4	6	4	1/2
7/8	6	4	1/2
1	6	4	1/2



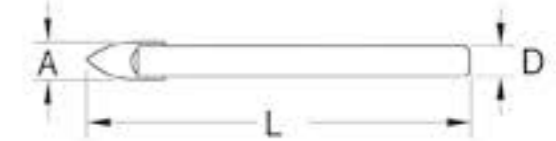


Glass Drills Series

GLASS DRILLS

APPLICATIONS:

For drilling glass, tile, mirrors and ceramics.



A: DIA.
L: OVERALL LENGTH
D: SHANK DIA.

DIA. (MM/INCH)	SHANK DIA. (MM)	OVERALL LENGTH (MM)
3 1/8	2.9	60
4 5/32	3.8	60
5 3/16	4.6	61
6 15/64	4.6	63
6.5 1/4	5.2	65
7 9/32	5.2	65
8 5/16	6.1	70
9 11/32	6.7	78
10 3/8	6.7	78
12 15/32	8.8	90
13 1/2	8.8	90
14 9/16	10.0	90



D: DIA.
L: OVERALL LENGTH
L1: WORKING LENGTH
H: SHANK DIA.

DIA. (MM)	WORKING LENGTH (MM)	OVERALL LENGTH (MM)	SHANK DIA. (MM)
3	38	73	6.35
4	39	74	6.35
5	40	75	6.35
6	41	76	6.35
7	42	77	6.35
8	43	78	6.35
10	55	82	6.35
12	68	96	6.35
14	68	96	6.35
16	85	127	6.35



Drill Bits Sets

<p>A PVC bag</p>  <p>1.0-8.0 mm 10PCS/ bag 8.5-13.0 mm 5PCS/ bag</p>	<p>B PVC bag/With hanging hole</p>  <p>1.0-8.0 mm 10PCS/ bag 8.5-13.0 mm 5PCS/ bag</p>	<p>C PVC bag/With hanging hole</p>  <p>1.0-8.0 mm 10PCS/ bag 8.5-13.0 mm 5PCS/ bag</p>
<p>D Square tube</p>  <p>1.0-8.0 mm 10PCS/ tube 8.5-13.0 mm 5PCS/ tube</p>	<p>E Paper bag</p>  <p>1.0-8.0 mm 10PCS/ bag 8.5-13.0 mm 5PCS/ bag</p>	<p>F Blister card</p> 
<p>G Plastic case</p>  <p>1.0-8.0 mm 10PCS/ case 8.5-13.0 mm 5PCS/ case</p>	<p>H</p> <p>Package for Twist Drill Iner box : ①White box ②Color box Out carton /w pallet: ③</p> 	







Carbide Tools



Drills For Steel



Product Details:

Ultrafine-grained carbide material equipped with external (internal) coolant rods and an H-coated surface. Features a 140° point angle, diameter tolerance of M7, and hole machining precision of IT8-9, ensuring high efficiency and durability. Grinding and custom specifications available.

Applications:

Ideal for processing gray cast iron, ductile iron, high-silicon aluminum, and copper alloys. This product offers excellent centering capabilities and machining precision, ensuring accurate dimensions and surface quality. Efficiently handles both pre-drilled and interrupted holes, suitable for high-speed and high-feed cutting.

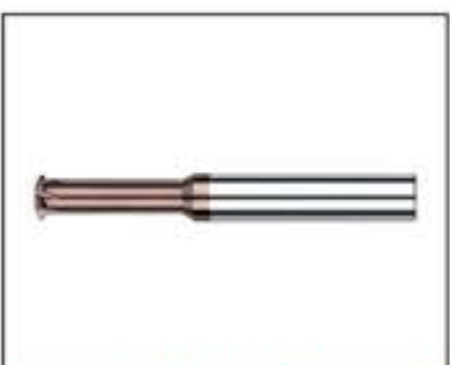
Dia of Flute	Flute Length	Overall Length	Dia of Shank
3.00	20	62	6
4.00	24	66	6
5.00	28	66	6
6.00	28	66	6
7.00	34	79	8
8.00	41	79	8
9.00	47	89	10
10.00	47	89	10
11.00	55	102	12
12.00	55	102	12
13.00	60	107	14
14.00	60	107	14
15.00	65	115	16
16.00	65	115	16



钨钢丝攻
Carbide Taps



钨钢标准铣刀
Standard Carbide End Mill



钨钢单牙铣牙刀
Single Flute Tungsten Carbide Thread Mill



钨钢三牙铣牙刀
Three Flutes Tungsten Carbide Thread Mill



钨钢全牙铣牙刀
Full Flutes Tungsten Carbide Thread Mill



球头刀
Standard Carbide Ball End Mill



圆鼻刀
Bull Nose End Mill



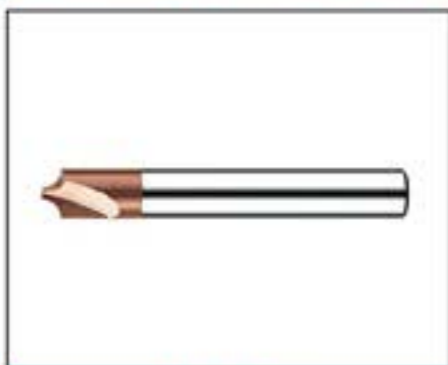
U型槽高效铝用刀
High-Efficiency U-Flute End Mill for Aluminum



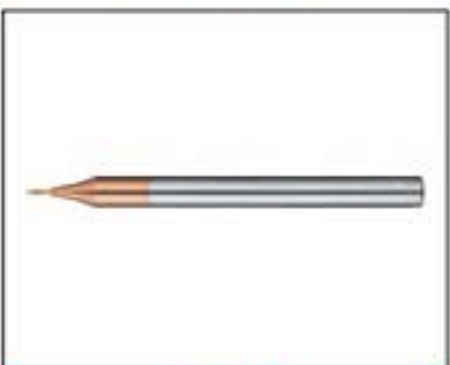
粗皮铣刀
Roughing End Mill



T型铣刀
T-Slot End Mill (55°)



内R铣刀
Corner Radius End Mill (55°)



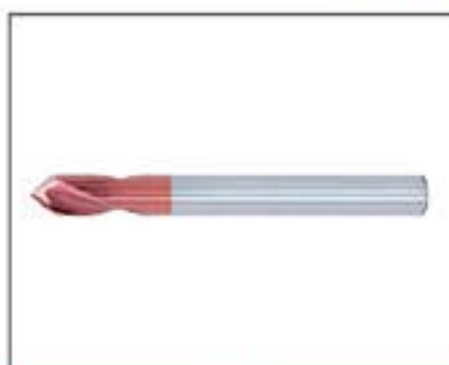
微小径铣刀
Micro Diameter End Mill



棒棒糖铣刀
Lollipop End Mill



燕尾槽铣刀
Dovetail Cutter



定心钻
Center Drill



倒角刀
Chamfer Cutter



通用钨钢直柄钻头, 铰刀
Standard Carbide Drills and Reamers



石墨专用
Carbide End Mill for Graphite



不锈钢专用
Carbide End Mill for Stainless Steel



非标定制
Customization Series