



HSS END MILL

HSS STRAIGHT SHANK TWIST DRILL

HSS TAPER SHANK TWIST DRILL

HSS TAPS

HSS END MILL

OTHER GENERAL TOOLS

CARBIDE TIP DRILLS

HSS DRILL BLANKS

DRILL SET



DIN844---Short Length Series

Size. mm d	Shank Dia. d1	Flute Length L1	Overall Length L	Flutes
3.0	6	8	52	2 or 4
4.0	6	11	55	2 or 4
5.0	6	13	57	2 or 4
6.0	6	13	57	2 or 4
7.0	10	16	66	2 or 4
8.0	10	19	69	2 or 4
9.0	10	19	69	2 or 4
10.0	10	22	72	2 or 4
11.0	12	22	79	2 or 4
12.0	12	26	83	2 or 4
14.0	12	26	83	2 or 4
16.0	16	32	92	2 or 4
18.0	16	32	92	2 or 4
20.0	20	38	104	2 or 4
22.0	20	38	104	2 or 4
25.0	25	45	121	2 or 4



DIN844---Long Length Series

Size. mm d	Shank Dia. d1	Flute Length L1	Overall Length L	Flutes
3.0	6	12	56	2 or 4
4.0	6	19	63	2 or 4
5.0	6	24	68	2 or 4
6.0	6	24	68	2 or 4
7.0	10	30	80	2 or 4
8.0	10	38	88	2 or 4
9.0	10	38	88	2 or 4
10.0	10	45	95	2 or 4
11.0	12	45	102	2 or 4
12.0	12	53	110	2 or 4
14.0	12	53	110	2 or 4
16.0	16	63	123	2 or 4
18.0	16	63	123	2 or 4
20.0	20	75	141	2 or 4
22.0	20	75	141	2 or 4
25.0	25	90	166	2 or 4



**ANSI--Fully Grounded End mill.
As 2 flutes**

Size. mm INCH MM	Shank Dia. d1	Flute Length L1	Overall Length L	Flutes
1/8 3.175	3/8	3/8"	2-5/16"	2
3/16 4.763	3/8	7/16"	2-5/16"	2
1/4 6.350	3/8	1/2"	2-5/16"	2
5/16 7.938	3/8	9/16"	2-5/16"	2
3/8 9.525	3/8	9/16"	2-5/16"	2
7/16 11.113	3/8	13/16"	2-1/2"	2
1/2 12.700	3/8	13/16"	2-1/2"	2
1/2 12.700	1/2	1"	3"	2
9/16 14.288	1/2	1-1/8"	3-1/8"	2
5/8 15.875	1/2	1-1/8"	3-1/8"	2
11/16 17.463	1/2	1-5/16"	3-5/16"	2
3/4 19.050	1/2	1-5/16"	3-5/16"	2
5/8 20.638	5/8	1-5/16"	3-7/16"	2
11/16 17.463	5/8	1-5/16"	3-7/16"	2
3/4 19.050	5/8	1-5/16"	3-7/16"	2
13/16 20.638	5/8	1-1/2"	3-5/8"	2
7/8 22.225	5/8	1-1/2"	3-5/8"	2
1 25.400	5/8	1-1/2"	3-5/8"	2
7/8 22.225	7/8	1-1/2"	3-3/4"	2
1 25.400	7/8	1-1/2"	3-3/4"	2



**ANSI--Fully Grounded Double End
as .3 flutes**

Size. mm INCH MM	Shank Dia. d1	Flute Length L1	Overall Length L	Flutes
1/8 3.175	3/8	3/8"	3-1/16"	3
3/16 4.763	3/8	1/2"	3-1/4"	3
1/4 6.350	3/8	5/8"	3-3/8"	3
5/16 7.938	3/8	3/4"	3-1/2"	3
3/8 9.525	3/8	3/4"	3-1/2"	3
7/16 11.113	1/2	1"	4-1/8"	3
1/2 12.700	1/2	1"	4-1/8"	3
9/16 14.288	5/8	1-3/8"	5"	3
5/8 15.875	5/8	1-3/8"	5"	3
3/4 19.050	5/8	1-5/8"	5-5/8"	3
1 25.400	1"	1-7/8"	6-3/8"	3

