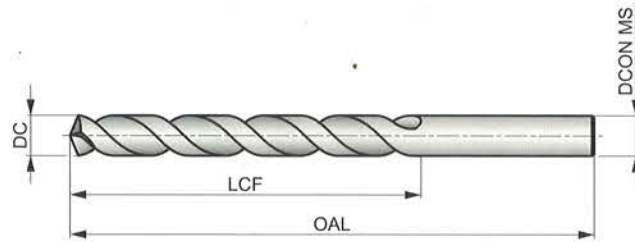


A108

HSS Jobber Drill, Steam Tempered Finish (Designed for Stainless Steel)

First choice when drilling stainless steel with hand-held applications, but can also be used effectively in machines. The 135° split point helps to self-center and reduces the cutting forces. Steam tempered finish helps stop workpiece material from sticking to the cutting edge.



HSS	DIN 338	4xD
135°	ST	
λ>35°	R	DC h8

Workpiece material group suitability, starting values for cutting speed (m/min) and feed Alpha Code. Tables with feed per revolution can be found starting from page 175.

P1.1 ▣33 I	P1.2 ▣37 I	P1.3 ▣38 I	P2.1 ▣28 I	P2.2 ▣25 G	P2.3 ▣22 E	P3.1 ▣19 F	P3.2 ▣15 F	P3.3 ▣13 E	P4.1 ▣11 F	P4.2 ▣10 E	P4.3 ▣8 D	M1.1 ▣21 E	M1.2 ▣17 E
M2.1 ▣18 E	M2.2 ▣15 E	M3.1 ▣10 G	M3.2 ▣9 G	M3.3 ▣8 G	M4.1 ▣10 D	K1.1 ▣30 H	K1.2 ▣22 F	K1.3 ▣17 F	K2.1 ▣25 E	K2.2 ▣20 E	K2.3 ▣16 E	K3.1 ▣22 E	K3.2 ▣17 E
K3.3 ▣13 E	K4.1 ▣20 E	K4.2 ▣15 E	K4.3 ▣11 E	K4.4 ▣10 E	K4.5 ▣8 E	K5.1 ▣23 E	K5.2 ▣17 E	K5.3 ▣13 E	N1.1 ▣33 J	N1.2 ▣25 J	N1.3 ▣17 I	N2.1 ▣42 H	N2.2 ▣37 H
N2.3 ▣27 H	N3.1 ▣59 H	N3.2 ▣35 I	N3.3 ▣18 G	N4.1 ▣30 J	N4.2 ▣28 H	N4.3 ▣14 F	S1.1 ▣25 G	S1.2 ▣16 E	S1.3 ▣7 B	S2.1 ▣9 G	S2.2 ▣8 E	S3.1 ▣7 G	S3.2 ▣6 E
S4.1 ▣5 G	S4.2 ▣5 E												

DC > 1.5mm (1/16") Split Point.

Products from this series are also available in set. Please see A188.

Product	DC	DC	DC	LCF	OAL	DCON MS	Product	DC	DC	DC	LCF	OAL	DCON MS
	(inch)	(mm)	(inch)					(mm)	(inch)	(mm)			
A1081.0	-	1.00	0.0394	12.0	34.0	1.00	A1082.8	-	2.80	0.1102	33.0	61.0	2.80
A1081.1	-	1.10	0.0433	14.0	36.0	1.10	A1082.9	-	2.90	0.1142	33.0	61.0	2.90
A1081.2	-	1.20	0.0472	16.0	38.0	1.20	A1083.0	-	3.00	0.1181	33.0	61.0	3.00
A1081.3	-	1.30	0.0512	16.0	38.0	1.30	A1083.1	-	3.10	0.1220	36.0	65.0	3.10
A1081.4	-	1.40	0.0551	18.0	40.0	1.40	A1081/8	1/8	3.18	0.1250	36.0	65.0	3.18
A1081.5	-	1.50	0.0591	18.0	40.0	1.50	A1083.2	-	3.20	0.1260	36.0	65.0	3.20
A1081/16	1/16	1.59	0.0625	20.0	43.0	1.59	A1083.3	-	3.30	0.1299	36.0	65.0	3.30
A1081.6	-	1.60	0.0630	20.0	43.0	1.60	A1083.4	-	3.40	0.1339	39.0	70.0	3.40
A1081.7	-	1.70	0.0669	20.0	43.0	1.70	A1083.5	-	3.50	0.1378	39.0	70.0	3.50
A1081.8	-	1.80	0.0709	22.0	46.0	1.80	A1089/64	9/64	3.57	0.1406	39.0	70.0	3.57
A1081.9	-	1.90	0.0748	22.0	46.0	1.90	A1083.6	-	3.60	0.1417	39.0	70.0	3.60
A1085/64	5/64	1.98	0.0781	24.0	49.0	1.98	A1083.7	-	3.70	0.1457	39.0	70.0	3.70
A1082.0	-	2.00	0.0787	24.0	49.0	2.00	A1083.8	-	3.80	0.1496	43.0	75.0	3.80
A1082.1	-	2.10	0.0827	24.0	49.0	2.10	A1083.9	-	3.90	0.1535	43.0	75.0	3.90
A1082.2	-	2.20	0.0866	27.0	53.0	2.20	A1085/32	5/32	3.97	0.1563	43.0	75.0	3.97
A1082.3	-	2.30	0.0906	27.0	53.0	2.30	A1084.0	-	4.00	0.1575	43.0	75.0	4.00
A1083/32	3/32	2.38	0.0938	30.0	57.0	2.38	A1084.1	-	4.10	0.1614	43.0	75.0	4.10
A1082.4	-	2.40	0.0945	30.0	57.0	2.40	A1084.2	-	4.20	0.1654	43.0	75.0	4.20
A1082.5	-	2.50	0.0984	30.0	57.0	2.50	A1084.3	-	4.30	0.1693	47.0	80.0	4.30
A1082.6	-	2.60	0.1024	30.0	57.0	2.60	A10811/64	11/64	4.37	0.1719	47.0	80.0	4.37
A1082.7	-	2.70	0.1063	33.0	61.0	2.70	A1084.4	-	4.40	0.1732	47.0	80.0	4.40
A1087/64	7/64	2.78	0.1094	33.0	61.0	2.78	A1084.5	-	4.50	0.1772	47.0	80.0	4.50

Product	DC	DC	DC	LCF	OAL	DCON MS
	(inch)	(mm)	(inch)	(mm)	(mm)	(mm)
A1084.6	—	4.60	0.1811	47.0	80.0	4.60
A1084.7	—	4.70	0.1850	47.0	80.0	4.70
A1083/16	3/16	4.76	0.1875	52.0	86.0	4.76
A1084.8	—	4.80	0.1890	52.0	86.0	4.80
A1084.9	—	4.90	0.1929	52.0	86.0	4.90
A108N10	N10	4.92	0.1935	52.0	86.0	4.92
A1085.0	—	5.00	0.1969	52.0	86.0	5.00
A1085.1	—	5.10	0.2008	52.0	86.0	5.10
A10813/64	13/64	5.16	0.2031	52.0	86.0	5.16
A1085.2	—	5.20	0.2047	52.0	86.0	5.20
A1085.3	—	5.30	0.2087	52.0	86.0	5.30
A1085.4	—	5.40	0.2126	57.0	93.0	5.40
A1085.5	—	5.50	0.2165	57.0	93.0	5.50
A1087/32	7/32	5.56	0.2188	57.0	93.0	5.56
A1085.6	—	5.60	0.2205	57.0	93.0	5.60
A1085.7	—	5.70	0.2244	57.0	93.0	5.70
A1085.8	—	5.80	0.2283	57.0	93.0	5.80
A1085.9	—	5.90	0.2323	57.0	93.0	5.90
A10815/64	15/64	5.95	0.2344	57.0	93.0	5.95
A1086.0	—	6.00	0.2362	57.0	93.0	6.00
A1086.1	—	6.10	0.2402	63.0	101.0	6.10
A1086.2	—	6.20	0.2441	63.0	101.0	6.20
A1086.3	—	6.30	0.2480	63.0	101.0	6.30
A1081/4	1/4	6.35	0.2500	63.0	101.0	6.35
A1086.4	—	6.40	0.2520	63.0	101.0	6.40
A1086.5	—	6.50	0.2559	63.0	101.0	6.50
A1086.6	—	6.60	0.2598	63.0	101.0	6.60
A1086.7	—	6.70	0.2638	63.0	101.0	6.70
A10817/64	17/64	6.75	0.2656	69.0	109.0	6.75
A1086.8	—	6.80	0.2677	69.0	109.0	6.80
A1086.9	—	6.90	0.2717	69.0	109.0	6.90
A1087.0	—	7.00	0.2756	69.0	109.0	7.00
A1087.1	—	7.10	0.2795	69.0	109.0	7.10
A1089/32	9/32	7.14	0.2813	69.0	109.0	7.14
A1087.2	—	7.20	0.2835	69.0	109.0	7.20
A1087.3	—	7.30	0.2874	69.0	109.0	7.30
A1087.4	—	7.40	0.2913	69.0	109.0	7.40
A1087.5	—	7.50	0.2953	69.0	109.0	7.50
A10819/64	19/64	7.54	0.2969	75.0	117.0	7.54
A1087.6	—	7.60	0.2992	75.0	117.0	7.60
A1087.7	—	7.70	0.3031	75.0	117.0	7.70
A1087.8	—	7.80	0.3071	75.0	117.0	7.80
A1087.9	—	7.90	0.3110	75.0	117.0	7.90
A1085/16	5/16	7.94	0.3125	75.0	117.0	7.94
A1088.0	—	8.00	0.3150	75.0	117.0	8.00
A1088.1	—	8.10	0.3189	75.0	117.0	8.10
A1088.2	—	8.20	0.3228	75.0	117.0	8.20
A1088.3	—	8.30	0.3268	75.0	117.0	8.30

Product	DC	DC	DC	LCF	OAL	DCON MS
	(inch)	(mm)	(inch)	(mm)	(mm)	(mm)
A10821/64	21/64	8.33	0.3281	75.0	117.0	8.33
A1088.4	—	8.40	0.3307	75.0	117.0	8.40
A1088.5	—	8.50	0.3346	75.0	117.0	8.50
A1088.6	—	8.60	0.3386	81.0	125.0	8.60
A1088.7	—	8.70	0.3425	81.0	125.0	8.70
A10811/32	11/32	8.73	0.3438	81.0	125.0	8.73
A1088.8	—	8.80	0.3465	81.0	125.0	8.80
A1088.9	—	8.90	0.3504	81.0	125.0	8.90
A1089.0	—	9.00	0.3543	81.0	125.0	9.00
A1089.1	—	9.10	0.3583	81.0	125.0	9.10
A10823/64	23/64	9.13	0.3594	81.0	125.0	9.13
A1089.2	—	9.20	0.3622	81.0	125.0	9.20
A1089.3	—	9.30	0.3661	81.0	125.0	9.30
A1089.4	—	9.40	0.3701	81.0	125.0	9.40
A1089.5	—	9.50	0.3740	81.0	125.0	9.50
A1083/8	3/8	9.52	0.3750	87.0	133.0	9.52
A1089.6	—	9.60	0.3780	87.0	133.0	9.60
A1089.7	—	9.70	0.3819	87.0	133.0	9.70
A1089.8	—	9.80	0.3858	87.0	133.0	9.80
A1089.9	—	9.90	0.3898	87.0	133.0	9.90
A10825/64	25/64	9.92	0.3906	87.0	133.0	9.92
A10810.0	—	10.00	0.3937	87.0	133.0	10.00
A10810.2	—	10.20	0.4016	87.0	133.0	10.20
A10813/32	13/32	10.32	0.4063	87.0	133.0	10.32
A10810.5	—	10.50	0.4134	87.0	133.0	10.50
A10827/64	27/64	10.72	0.4219	94.0	142.0	10.72
A10810.8	—	10.80	0.4252	94.0	142.0	10.80
A10811.0	—	11.00	0.4331	94.0	142.0	11.00
A1087/16	7/16	11.11	0.4375	94.0	142.0	11.11
A10811.5	—	11.50	0.4528	94.0	142.0	11.50
A10829/64	29/64	11.51	0.4531	94.0	142.0	11.51
A10811.8	—	11.80	0.4646	94.0	142.0	11.80
A10815/32	15/32	11.91	0.4688	101.0	151.0	11.91
A10812.0	—	12.00	0.4724	101.0	151.0	12.00
A10812.2	—	12.20	0.4803	101.0	151.0	12.20
A10831/64	31/64	12.30	0.4844	101.0	151.0	12.30
A10812.5	—	12.50	0.4921	101.0	151.0	12.50
A1081/2	1/2	12.70	0.5000	101.0	151.0	12.70
A10812.8	—	12.80	0.5039	101.0	151.0	12.80
A10812.9	—	12.90	0.5079	101.0	151.0	12.90
A10813.0	—	13.00	0.5118	101.0	151.0	13.00
A10813.5	—	13.50	0.5315	108.0	160.0	13.50
A10814.0	—	14.00	0.5512	108.0	160.0	14.00
A10814.5	—	14.50	0.5709	114.0	169.0	14.50
A10815.0	—	15.00	0.5906	114.0	169.0	15.00
A10815.25	—	15.25	0.6004	120.0	178.0	15.25
A10815.5	—	15.50	0.6102	120.0	178.0	15.50
A10816.0	—	16.00	0.6299	120.0	178.0	16.00