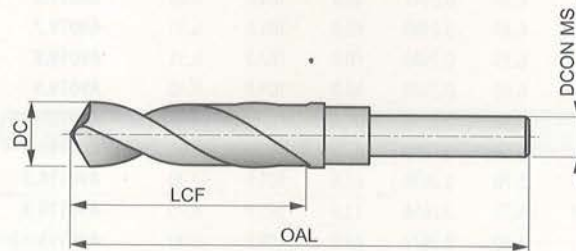


A170



HSS Reduced Shank Drill, Steam Tempered Finish

A 1/2 inch parallel shank allows this drill, even with a large cutting diameter, to be clamped in conventional, hand-held power tools. A 118° point makes regrinding easy. Steam tempered finish retains cutting fluid and prevents chip to tool welding. Suitable for drilling many materials.



HSS	DORMER	4xD
118°	ST	
λ20-35°	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 H	P1.2 ■ 37 H	P1.3 ■ 38 H	P2.1 ■ 28 H	P2.2 ■ 25 F	P2.3 ■ 22 D	P3.1 ■ 19 E	P3.2 ■ 15 E	P3.3 ■ 13 D	P4.1 ■ 11 E	P4.2 ■ 10 D	P4.3 ■ 8 C	M1.1 ■ 21 D	M1.2 ■ 17 D
M2.1 ■ 18 D	M2.2 ■ 15 D	M3.1 ■ 8 F	M3.2 ■ 7 F	M3.3 ■ 6 F	M4.1 ■ 7 B	K1.1 ■ 27 H	K1.2 ■ 20 E	K1.3 ■ 15 E	K2.1 ■ 23 D	K2.2 ■ 19 D	K2.3 ■ 15 D	K3.1 ■ 21 D	K3.2 ■ 16 D
K3.3 ■ 13 D	K4.1 ■ 19 D	K4.2 ■ 14 D	K4.3 ■ 11 D	K4.4 ■ 9 D	K4.5 ■ 8 D	K5.1 ■ 22 D	K5.2 ■ 16 D	K5.3 ■ 13 D	N1.1 ■ 33 I	N1.2 ■ 25 I	N1.3 ■ 17 H	N2.1 ■ 42 G	N2.2 ■ 37 G
N2.3 ■ 27 G	N3.1 ■ 56 G	N3.2 ■ 33 H	N3.3 ■ 17 F	N4.1 ■ 30 I	N4.2 ■ 28 G	N4.3 ■ 14 E	S1.1 ■ 17 E	S1.2 ■ 9 C	S1.3 ■ 5 A	S2.1 ■ 5 D	S2.2 ■ 4 A	S3.1 ■ 4 D	S3.2 ■ 3 A
S4.1 ■ 3 D	S4.2 ■ 2 A												

Product	DC	DC	DC	LCF	OAL	LCF	OAL	DCON MS
	(inch)	(mm)	(inch)					
A17013.0	—	13.00	0.5118	—	—	83.0	156.0	12,7
A17033/64	33/64	13.10	0.5156	3.1/8	6"	—	—	12,7
A17017/32	17/32	13.49	0.5313	3.1/8	6"	—	—	12,7
A17013.5	—	13.50	0.5315	—	—	83.0	156.0	12,7
A17035/64	35/64	13.89	0.5469	3.1/8	6"	—	—	12,7
A17014.0	—	14.00	0.5512	—	—	83.0	156.0	12,7
A1709/16	9/16	14.29	0.5625	3.1/8	6"	—	—	12,7
A17014.5	—	14.50	0.5709	—	—	83.0	156.0	12,7
A17037/64	37/64	14.68	0.5781	3.1/8	6"	—	—	12,7
A17015.0	—	15.00	0.5906	—	—	83.0	156.0	12,7
A17019/32	19/32	15.08	0.5938	3.1/8	6"	—	—	12,7
A17039/64	39/64	15.48	0.6094	3.1/8	6"	—	—	12,7
A17015.5	—	15.50	0.6102	—	—	83.0	156.0	12,7
A1705/8	5/8	15.88	0.6250	3.1/8	6"	—	—	12,7
A17016.0	—	16.00	0.6299	—	—	84.0	157.0	12,7
A17041/64	41/64	16.27	0.6406	3.1/8	6"	—	—	12,7
A17016.5	—	16.50	0.6496	—	—	84.0	157.0	12,7
A17021/32	21/32	16.67	0.6563	3.1/8	6"	—	—	12,7
A17017.0	—	17.00	0.6693	—	—	84.0	157.0	12,7
A17043/64	43/64	17.07	0.6719	3.1/8	6"	—	—	12,7
A17011/16	11/16	17.46	0.6875	3.1/8	6"	—	—	12,7
A17017.5	—	17.50	0.6890	—	—	84.0	157.0	12,7
A17045/64	45/64	17.86	0.7031	3.1/8	6"	—	—	12,7
A17018.0	—	18.00	0.7087	—	—	84.0	157.0	12,7

Product	DC	DC	DC	LCF	OAL	LCF	OAL	DCON MS
	(inch)	(mm)	(inch)	(inch)	(inch)	(mm)	(mm)	(mm)
A17023/32	23/32	18.26	0.7188	3.1/8	6"	—	—	12,7
A17018.5	—	18.50	0.7283	—	—	84.0	157.0	12,7
A17047/64	47/64	18.65	0.7344	3.1/8	6"	—	—	12,7
A17019.0	—	19.00	0.7480	—	—	84.0	157.0	12,7
A1703/4	3/4	19.05	0.7500	3.1/8	6"	—	—	12,7
A17049/64	49/64	19.45	0.7656	3"	6"	—	—	12,7
A17019.5	—	19.50	0.7677	—	—	81.0	158.0	12,7
A17025/32	25/32	19.84	0.7813	3"	6"	—	—	12,7
A17020.0	—	20.00	0.7874	—	—	81.0	158.0	12,7
A17051/64	51/64	20.24	0.7969	3"	6"	—	—	12,7
A17013/16	13/16	20.64	0.8125	3"	6"	—	—	12,7
A17021.0	—	21.00	0.8268	—	—	82.0	158.0	12,7
A17053/64	53/64	21.03	0.8281	3"	6"	—	—	12,7
A17027/32	27/32	21.43	0.8437	3"	6"	—	—	12,7
A17055/64	55/64	21.83	0.8594	3"	6"	—	—	12,7
A17022.0	—	22.00	0.8661	—	—	82.0	158.0	12,7
A1707/8	7/8	22.22	0.8750	3"	6"	—	—	12,7
A17057/64	57/64	22.62	0.8906	3"	6"	—	—	12,7
A17023.0	—	23.00	0.9055	—	—	82.0	158.0	12,7
A17029/32	29/32	23.02	0.9063	3"	6"	—	—	12,7
A17059/64	59/64	23.42	0.9219	3"	6"	—	—	12,7
A17015/16	15/16	23.81	0.9375	3"	6"	—	—	12,7
A17024.0	—	24.00	0.9449	—	—	83.0	159.0	12,7
A17061/64	61/64	24.21	0.9531	3"	6"	—	—	12,7
A17031/32	31/32	24.61	0.9688	3"	6"	—	—	12,7
A17025.0	—	25.00	0.9843	—	—	83.0	159.0	12,7
A17063/64	63/64	25.00	0.9844	3"	6"	—	—	12,7
A1701	1"	25.40	1.0000	3"	6"	—	—	12,7
A1701.1/32	1.1/32	26.19	1.0313	3"	6"	—	—	12,7
A1701.1/16	1.1/16	26.99	1.0625	3"	6"	—	—	12,7
A1701.7/64	1.7/64	28.18	1.1094	3"	6"	—	—	12,7
A1701.1/8	1.1/8	28.58	1.1250	3"	6"	—	—	12,7
A1701.9/64	1.9/64	28.97	1.1406	3"	6"	—	—	12,7
A1701.5/32	1.5/32	29.37	1.1563	3"	6"	—	—	12,7
A1701.3/16	1.3/16	30.16	1.1875	3"	6"	—	—	12,7
A1701.7/32	1.7/32	30.96	1.2188	3"	6"	—	—	12,7
A1701.1/4	1.1/4	31.75	1.2500	3"	6"	—	—	12,7
A1701.5/16	1.5/16	33.34	1.3125	3"	6"	—	—	12,7
A1701.3/8	1.3/8	34.93	1.3750	3"	6"	—	—	12,7
A1701.7/16	1.7/16	36.51	1.4375	3"	6"	—	—	12,7
A1701.1/2	1.1/2	38.10	1.5000	3"	6"	—	—	12,7