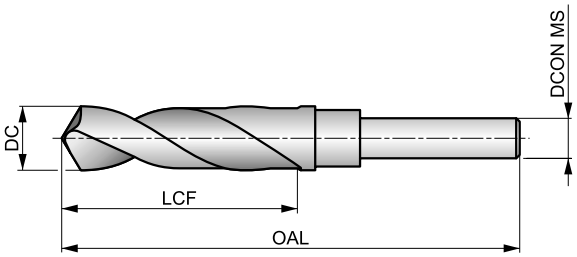
A170

DORMER



HSS Reduced Shank Drill, Steam Tempered Finish

A ½ 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	4×D
118°	ST	
λ 20-35°	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	P1.2	P1.3	P2.1	P2.2	P2.3	P3.1	P3.2	P3.3	P4.1	P4.2	P4.3	M1.1	M1.2
■33 H	■37 H	■38 H	■28 H	■25 F	◪22 D	◪19 E	◪15 E	◪13 D	◪11 E	◪10 D	◪8 C	◪21 D	◪17 D
M2.1	M2.2	M3.1	M3.2	M3.3	M4.1	K1.1	K1.2	K1.3	K2.1	K2.2	K2.3	K3.1	K3.2
◪18 D	◪15 D	◪8 F	◪7 F	◪6 F	◪7 B	◪27 H	◪20 E	◪15 E	◪23 D	◪19 D	◪15 D	◪21 D	◪16 D
K3.3	K4.1	K4.2	K4.3	K4.4	K4.5	K5.1	K5.2	K5.3	N1.1	N1.2	N1.3	N2.1	N2.2
◪13 D	◪19 D	◪14 D	◪11 D	◪9 D	◪8 D	◪22 D	◪16 D	◪13 D	◪33 I	◪25 I	◪17 H	◪42 G	◪37 G
N2.3	N3.1	N3.2	N3.3	N4.1	N4.2	N4.3	S1.1	S1.2	S1.3	S2.1	S2.2	S3.1	S3.2
◪27 G	◪56 G	◪33 H	◪17 F	◪30 I	◪28 G	◪14 E	◪17 E	◪9 C	◪5 A	◪5 D	◪4 A	◪4 D	◪3 A
S4.1	S4.2												
◪3 D	◪2 A												

Product	DC (inch)	DC (mm)	DC (inch)	LCF (inch)	OAL (inch)	LCF (mm)	OAL (mm)	DCON MS (mm)
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