

DRILL SIZES & DECIMAL EQUIVALENTS

Drill Sizes

Drill number or Letter*	Decimal Equiv.	Drill number or Letter*	Decimal Equiv.	Drill number or Letter*	Decimal Equiv.
80	0.0135	40	0.098	1	0.228
79	0.0415	39	0.0995	A	0.234
1/64	0.0156	38	0.1015	15/64	0.2344
78	0.016	37	0.104	B	0.238
77	0.018	36	0.1065	C	0.242
76	0.020	7/64	0.1094	C	0.242
75	0.021	35	0.110	D	0.246
74	0.0225	34	0.111	E & 1/4	0.250
73	0.024	33	0.113	F	0.257
72	0.025	32	0.116	G	0.261
71	0.026	31	0.120	17/64	0.2656
70	0.028	1/8	0.1250	H	0.266
69	0.0292	30	0.1285	I	0.272
68	0.031	29	0.136	J	0.277
1/32	0.0312	28	0.1405	K	0.281
67	0.032	9/64	0.1406	9/32	0.2812
66	0.033	27	0.144	L	0.290
65	0.035	26	0.147	M	0.295
64	0.036	25	0.1495	19/64	0.2969
63	0.037	24	0.152	N	0.302
62	0.038	23	0.154	5/16	0.3125
61	0.039	5/32	0.1562	O	0.316
60	0.040	22	0.157	P	0.323
59	0.041	21	0.159	21/64	0.3281
58	0.042	20	0.161	Q	0.332
57	0.043	19	0.166	R	0.339
56	0.0465	18	0.1695	11/32	0.3437
3/64	0.0468	11/64	0.1719	S	0.348
55	0.052	17	0.173	T	0.358
54	0.055	16	0.177	23/64	0.3594
53	0.0595	15	0.180	U	0.368
1/16	0.0625	14	0.182	3/8	0.375
52	0.0635	13	0.185	V	0.377
51	0.067	3/16	0.1875	W	0.386
50	0.070	12	0.189	25/64	0.3906
49	0.073	11	0.191	X	0.397
48	0.076	9	0.196	Y	0.404
5/64	0.0781	8	0.199	13/32	0.4062
47	0.0785	7	0.201	Z	0.413
46	0.081	13/64	0.2031	27/64	0.4219
45	0.082	6	0.204	7/16	0.4375
44	0.086	5	0.2055	29/64	0.4531
43	0.089	4	0.209	15/32	0.4687
42	0.0935	3	0.213	31/64	0.4844
3/32	0.0937	7/32	0.2187	1/2	0.5000
41	0.096	2	0.221		

NOTE: The shank of a numbered drill makes a good gauge to determine the inside diameter of capillary tubing or to measure gas burner orifices.

Decimal and Metric Equivalents

Equivalents of Common Fractions of An Inch

64ths	32nds	16ths	8ths	Decimal	Mm	—	64ths	32nds	16ths	8ths	Decimal	Mm
1/64				0.01562	0.397		33/64				0.51562	13.097
3/64	1/32			0.03125	0.794		17/32				0.53125	13.494
		1/16		0.04688	1.191		35/64	17/32			0.54688	13.891
				0.06250	1.588				9/16		0.56250	14.288
5/64				0.07812	1.984		37/64				0.57812	14.684
7/64	3/32			0.09375	2.381		39/64	19/32			0.59375	15.081
			1/8	0.10938	2.778					5/8	0.60938	15.478
				0.12500	3.175						0.62500	15.875
9/64				0.14062	3.572		41/64				0.64062	16.272
11/64	5/32			0.15625	3.969		43/64	21/32			0.65625	16.669
				0.17188	4.366				11/16		0.67188	17.066
		3/16		0.18750	4.763						0.68750	17.463
13/64				0.20312	5.159		45/64				0.70312	17.859
15/64	7/32			0.21875	5.556		47/64	23/32			0.71875	18.256
			1/4	0.23438	5.953					3/4	0.73438	18.653
				0.25000	6.350						0.75000	19.050
17/64				0.26562	6.747		49/64				0.76562	19.447
19/64	9/32			0.28125	7.144		51/64	25/32			0.78125	19.844
				0.29688	7.541				13/16		0.79688	20.241
		5/16		0.31250	7.938						0.81250	20.638
21/64				0.32812	8.334		53/64				0.82812	21.034
23/64	11/32			0.34375	8.731		55/64	27/32			0.84375	21.431
			3/8	0.35938	9.128					7/8	0.85938	21.828
				0.37500	9.525						0.87500	22.225
25/64				0.39062	9.922		57/64				0.89062	22.622
27/64	13/32			0.40625	10.319		59/64	29/32			0.90625	23.019
				0.42188	10.716				15/16		0.92188	23.416
		7/16		0.43750	11.113						0.93750	23.813
29/64				0.45312	11.509		61/64				0.95312	24.209
31/64	15/32			0.46875	11.906		63/64	31/32			0.96875	24.606
			1/2	0.48438	12.303						0.98438	25.033
				0.50000	12.700					1	1.00000	25.400