

Drill Bit Naming Chart

In order to allow for precision, drill bits come in an extremely wide range of sizes. The sizes use several different naming conventions, including fractions, numbers and letters. All fractions of 64ths, from 1/64th through 63/64ths, are named by their lowest fractional equivalent (1/32", 1/16", 5/64", etc...). There are also size options that fall between many of these fractions. Common # sizes go from #80 through #1, in ascending sizes, up to .2280. Sizes over .2280 which aren't named for their fraction of 64ths, are named by letters, ascending from A (.2340) through Z (.4130). The chart below shows drill sizes up to 1 inch in diameter.

Drill Bit #	=	Hole Size
80	=	0.0135
79	=	0.0145
1/64"	=	0.0156
78	=	0.0160
77	=	0.0180
76	=	0.0200
75	=	0.0210
74	=	0.0225
73	=	0.0240
72	=	0.0250
71	=	0.0260
70	=	0.0280
69	=	0.0292
68	=	0.0310
1/32"	=	0.0313
67	=	0.0320
66	=	0.0330
65	=	0.0350
64	=	0.0360
63	=	0.0370
62	=	0.0380
61	=	0.0390
60	=	0.0400
59	=	0.0410
58	=	0.0420
57	=	0.0430
56	=	0.0465
3/64"	=	0.0469
55	=	0.0520
54	=	0.0550
53	=	0.0595
1/16"	=	0.0625
52	=	0.0635
51	=	0.0670
50	=	0.0700
49	=	0.0730
48	=	0.0760
5/64"	=	0.0781
47	=	0.0785
46	=	0.0810
45	=	0.0820
44	=	0.0860

Drill Bit #	=	Hole Size
43	=	0.0890
42	=	0.0935
3/32"	=	0.0938
41	=	0.0960
40	=	0.0980
39	=	0.0995
38	=	0.1015
37	=	0.1040
36	=	0.1065
7/64"	=	0.1094
35	=	0.1100
34	=	0.1110
33	=	0.1130
32	=	0.1160
31	=	0.1200
1/8"	=	0.1250
30	=	0.1285
29	=	0.1360
28	=	0.1405
9/64"	=	0.1406
27	=	0.1440
26	=	0.1470
25	=	0.1495
24	=	0.1520
23	=	0.1540
5/32"	=	0.1563
22	=	0.1570
21	=	0.1590
20	=	0.1610
19	=	0.1660
18	=	0.1695
11/64"	=	0.1719
17	=	0.1730
16	=	0.1770
15	=	0.1800
14	=	0.1820
13	=	0.1850
3/16"	=	0.1875
12	=	0.1890
11	=	0.1910
10	=	0.1935
9	=	0.1960

Drill Bit #	=	Hole Size
8	=	0.1990
7	=	0.2010
13/64"	=	0.2031
6	=	0.2040
5	=	0.2055
4	=	0.2090
3	=	0.2130
7/32"	=	0.2188
2	=	0.2210
1	=	0.2280
A	=	0.2340
15/64"	=	0.2344
B	=	0.2380
C	=	0.2420
D	=	0.2460
1/4" or (E)	=	0.2500
F	=	0.2570
G	=	0.2610
17/64"	=	0.2656
H	=	0.2660
I	=	0.2720
J	=	0.2770
K	=	0.2810
9/32"	=	0.2813
L	=	0.2900
M	=	0.2950
19/64"	=	0.2969
N	=	0.3020
5/16"	=	0.3125
O	=	0.3160
P	=	0.3230
21/64"	=	0.3281
Q	=	0.3320
R	=	0.3390
11/32"	=	0.3438
S	=	0.3480
T	=	0.3580
23/64"	=	0.3594
U	=	0.3680
3/8"	=	0.3750
V	=	0.3770
W	=	0.3860

Drill Bit #	=	Hole Size
25/64"	=	0.3906
X	=	0.3970
Y	=	0.4040
13/32"	=	0.4063
Z	=	0.4130
27/64"	=	0.4219
7/16"	=	0.4375
29/64"	=	0.4531
15/32"	=	0.4688
31/64"	=	0.4844
1/2	=	0.5000
33/64"	=	0.5156
17/32"	=	0.5313
35/64"	=	0.5469
9/16"	=	0.5625
37/64"	=	0.5781
19/32"	=	0.5938
39/64"	=	0.6094
5/8"	=	0.6250
41/64"	=	0.6406
21/32"	=	0.6563
43/64"	=	0.6719
11/16"	=	0.6875
45/64"	=	0.7031
23/32"	=	0.7188
47/64"	=	0.7344
3/4"	=	0.7500
49/64"	=	0.7656
25/32"	=	0.7813
51/64"	=	0.7969
13/16"	=	0.8125
53/64"	=	0.8281
27/32"	=	0.8438
55/64"	=	0.8594
7/8"	=	0.8750
57/64"	=	0.8906
29/32"	=	0.9063
59/64"	=	0.9219
15/16"	=	0.9375
61/64"	=	0.9531
31/32"	=	0.9688
63/64"	=	0.9844

