

Machinist Drill Bit Size Table | Drill Bit Size Chart | ISO Metric Drill Bit Size Table

Engineers Edge, LLC.

Inch and Metric Drill Bit Size Chart

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For typical mechanical tolerances that are achievable see: [Drilling Tolerances Capabilities Chart](#)

ANSI Size Drill Bit Chart						ISO (Metric Size Drills) & Conversion to Inches					
Drill (in.)	Decimal	Drill (in.)	Decimal	Drill (in.)	Decimal	Drill (mm)	Decimal (in.)	Drill (mm)	Decimal (in.)	Drill (mm)	Decimal (in.)
80	.0135	1/8	.1250	O	.3160	.35	.0138	3.4	.1339	8.0	.3150
79	.0145	30	.1285	P	.3230	.4	.0157	3.5	.1378	8.1	.3189
1/64	.0156	29	.1360	21/64	.3281	.45	.0177	3.6	.1417	8.2	.3228
78	.0160	28	.1405	Q	.3320	.5	.0197	3.7	.1457	8.25	.3248
77	.0180	9/64	.1406	R	.3390	.55	.0217	3.75	.1477	8.3	.3267
76	.0200	27	.1440	11/32	.3437	.6	.0236	3.8	.1496	8.4	.3307
75	.0210	26	.1470	S	.3480	.65	.0256	3.9	.1535	8.5	.3346
74	.0225	25	.1495	T	.3580	.7	.0276	4.0	.1575	8.6	.3386
73	.0240	24	.1520	23/64	.3594	.75	.0295	4.1	.1614	8.7	.3425
72	.0250	23	.1540	U	.3680	.8	.0315	4.2	.1654	8.75	.3445
71	.0260	5/32	.1562	3/8	.3750	.85	.0335	4.25	.1674	8.8	.3465
70	.0280	22	.1570	V	.3770	.9	.0355	4.3	.1693	8.9	.3504
69	.0292	21	.1590	W	.3860	.95	.0374	4.4	.1732	9.0	.3543
68	.0310	20	.1610	25/64	.3906	1.0	.0394	4.5	.1771	9.1	.3583
1/32	.0313	19	.1660	X	.3970	1.05	.0413	4.6	.1811	9.2	.3622
67	.0320	18	.1695	Y	.4040	1.1	.0433	4.7	.1850	9.25	.3642
66	.0330	11/64	.1719	13/32	.4062	1.15	.0453	4.75	.1870	9.35	.3661
65	.0350	17	.1730	Z	.4130	1.2	.0472	4.8	.1890	9.4	.3701
64	.0360	16	.1770	27/64	.4219	1.25	.0492	4.9	.1929	9.5	.3740
63	.0370	15	.1800	7/16	.4375	1.3	.0512	5.0	.1968	9.6	.3780
62	.0380	14	.1820	29/64	.4531	1.35	.0531	5.1	.2008	9.7	.3819
61	.0390	13	.1850	15/32	.4687	1.4	.0551	5.2	.2047	9.75	.3839

60	.0400	3/16	.1875	31/64	.4844	1.45	.0571	5.25	.2067	9.8	.3858
59	.0410	12	.1890	1/2	.5000	1.5	.0591	5.3	.2087	9.9	.3898
58	.0420	11	.1910	33/64	.5156	1.55	.0610	5.4	.2126	10.0	.3937
57	.0430	10	.1935	17/32	.5312	1.6	.0629	5.5	.2165	10.5	.4133
56	.0465	9	.1960	35/64	.5469	1.65	.0650	5.6	.2205	11.0	.4331
3/64	.0469	8	.1990	9/16	.5625	1.7	.0669	5.7	.2244	11.5	.4528
55	.0520	7	.2010	37/64	.5781	1.75	.0689	5.75	.2264	12.0	.4724
54	.0550	13/64	.2031	19/32	.5937	1.8	.0709	5.8	.2283	12.5	.4921
53	.0595	6	.2040	39/64	.6094	1.85	.0728	5.9	.2323	13.0	.5118
1/16	.0625	5	.2055	5/8	.6250	1.9	.0748	6.0	.2362	13.5	.5315
52	.0635	4	.2090	41/64	.6406	1.95	.0768	6.1	.2401	14.0	.5512
51	.0670	3	.2130	21/32	.6562	2.0	.0787	6.2	.2441	14.5	.5708
50	.0700	7/32	.2187	43/64	.6719	2.05	.0807	6.25	.2461	15.0	.5906
49	.0730	2	.2210	11/16	.6875	2.1	.0827	6.3	.2480	15.5	.6102
48	.0760	1	.2280	45/64	.7031	2.15	.0846	6.4	.2520	16.0	.6300
5/64	.0781	A	.2340	23/32	.7187	2.2	.0866	6.5	.2559	16.5	.6496
47	.0785	15/64	.2344	47/64	.7344	2.25	.0886	6.6	.2598	17.0	.6693
46	.0810	B	.2380	3/4	.7500	2.3	.0905	6.7	.2638	17.5	.6889
45	.0820	C	.2420	49/64	.7656	2.35	.0925	6.75	.2658	18.0	.7087
44	.0860	D	.2460	25/32	.7812	2.4	.0945	6.8	.2677	18.5	.7283
43	.0890	E	.2500	51/64	.7969	2.45	.0965	6.9	.2716	19.0	.7480
42	.0935	1/4	.2500	13/16	.8125	2.5	.0984	7.0	.2756	19.5	.7677
3/32	.0937	F	.2570	53/64	.8281	2.55	.1004	7.1	.2795	20.0	.7874
41	.0960	G	.2610	27/32	.8437	2.6	.1024	7.2	.2835	20.5	.8071
40	.0980	17/64	.2656	55/64	.8594	2.65	.1043	7.25	.2855	21.0	.8268
39	.0995	H	.2660	7/8	.8750	2.7	.1063	7.3	.2874	21.5	.8465
38	.1015	I	.2720	57/64	.8906	2.75	.1083	7.4	.2913	22.0	.8661
37	.1040	J	.2770	29/32	.9062	2.8	.1102	7.5	.2953	22.5	.8858
36	.1065	K	.2811	59/64	.9219	2.9	.1142	7.6	.2990	23.0	.9055
7/64	.1093	9/32	.2812	15/16	.9375	3.0	.1181	7.7	.3031	23.5	.9252
35	.1100	L	.2900	61/64	.9531	3.1	.1220	7.75	.3051	24.0	.9449
34	.1110	M	.2950	31/32	.9687	3.2	.1260	7.8	.3071	24.5	.9646
33	.1130	19/64	.2968	63/64	.9844	3.25	.1280	7.9	.3110	25.0	.9843
32	.1160	N	.3020	1	1.000	3.3	.1299				
31	.1200	5/16	.3125								

Fractional and Metric Sizes per. ANSI/ASME B94.11M-1993

Drill Bits, also called Twist drills are available with straight or tapered shanks though the most common drill bits will have straight shanks.

