

Drill Size Chart — all systems

Fractional · number (wire gauge) · letter · metric, merged and sorted by diameter. ASME B94.11M; 1 in = 25.4 mm exactly.

DRILL	INCH	MM	DRILL	INCH	MM	DRILL	INCH	MM	DRILL	INCH	MM
#80	0.0135	0.343	3/32"	0.0938	2.381	4.8 mm	0.1890	4.8	7.6 mm	0.2992	7.6
#79	0.0145	0.368	2.4 mm	0.0945	2.4	#12	0.1890	4.801	N	0.3020	7.671
1/64"	0.0156	0.397	#41	0.0960	2.438	#11	0.1910	4.851	7.7 mm	0.3031	7.7
#78	0.0160	0.406	#40	0.0980	2.489	4.9 mm	0.1929	4.9	7.8 mm	0.3071	7.8
#77	0.0180	0.457	2.5 mm	0.0984	2.5	#10	0.1935	4.915	7.9 mm	0.3110	7.9
#76	0.0200	0.508	#39	0.0995	2.527	#9	0.1960	4.978	5/16"	0.3125	7.938
#75	0.0210	0.533	#38	0.1015	2.578	5 mm	0.1969	5	8 mm	0.3150	8
#74	0.0225	0.571	2.6 mm	0.1024	2.6	#8	0.1990	5.055	O	0.3160	8.026
#73	0.0240	0.61	#37	0.1040	2.642	5.1 mm	0.2008	5.1	8.1 mm	0.3189	8.1
#72	0.0250	0.635	2.7 mm	0.1063	2.7	#7	0.2010	5.105	8.2 mm	0.3228	8.2
#71	0.0260	0.66	#36	0.1065	2.705	13/64"	0.2031	5.159	P	0.3230	8.204
#70	0.0280	0.711	7/64"	0.1094	2.778	#6	0.2040	5.182	8.3 mm	0.3268	8.3
#69	0.0292	0.742	#35	0.1100	2.794	5.2 mm	0.2047	5.2	21/64"	0.3281	8.334
#68	0.0310	0.787	2.8 mm	0.1102	2.8	#5	0.2055	5.22	8.4 mm	0.3307	8.4
1/32"	0.0313	0.794	#34	0.1110	2.819	5.3 mm	0.2087	5.3	Q	0.3320	8.433
#67	0.0320	0.813	#33	0.1130	2.87	#4	0.2090	5.309	8.5 mm	0.3346	8.5
#66	0.0330	0.838	2.9 mm	0.1142	2.9	5.4 mm	0.2126	5.4	8.6 mm	0.3386	8.6
#65	0.0350	0.889	#32	0.1160	2.946	#3	0.2130	5.41	R	0.3390	8.611
#64	0.0360	0.914	3 mm	0.1181	3	5.5 mm	0.2165	5.5	8.7 mm	0.3425	8.7
#63	0.0370	0.94	#31	0.1200	3.048	7/32"	0.2188	5.556	11/32"	0.3438	8.731
#62	0.0380	0.965	3.1 mm	0.1220	3.1	5.6 mm	0.2205	5.6	8.8 mm	0.3465	8.8
#61	0.0390	0.991	1/8"	0.1250	3.175	#2	0.2210	5.613	S	0.3480	8.839
1 mm	0.0394	1	3.2 mm	0.1260	3.2	5.7 mm	0.2244	5.7	8.9 mm	0.3504	8.9
#60	0.0400	1.016	#30	0.1285	3.264	#1	0.2280	5.791	9 mm	0.3543	9
#59	0.0410	1.041	3.3 mm	0.1299	3.3	5.8 mm	0.2283	5.8	T	0.3580	9.093
#58	0.0420	1.067	3.4 mm	0.1339	3.4	5.9 mm	0.2323	5.9	9.1 mm	0.3583	9.1
#57	0.0430	1.092	#29	0.1360	3.454	A	0.2340	5.944	23/64"	0.3594	9.128
1.1 mm	0.0433	1.1	3.5 mm	0.1378	3.5	15/64"	0.2344	5.953	9.2 mm	0.3622	9.2
#56	0.0465	1.181	#28	0.1405	3.569	6 mm	0.2362	6	9.3 mm	0.3661	9.3
3/64"	0.0469	1.191	9/64"	0.1406	3.572	B	0.2380	6.045	U	0.3680	9.347
1.2 mm	0.0472	1.2	3.6 mm	0.1417	3.6	6.1 mm	0.2402	6.1	9.4 mm	0.3701	9.4
1.25 mm	0.0492	1.25	#27	0.1440	3.658	C	0.2420	6.147	9.5 mm	0.3740	9.5
1.3 mm	0.0512	1.3	3.7 mm	0.1457	3.7	6.2 mm	0.2441	6.2	3/8"	0.3750	9.525
#55	0.0520	1.321	#26	0.1470	3.734	D	0.2460	6.248	V	0.3770	9.576
#54	0.0550	1.397	#25	0.1495	3.797	6.3 mm	0.2480	6.3	9.6 mm	0.3780	9.6
1.4 mm	0.0551	1.4	3.8 mm	0.1496	3.8	E	0.2500	6.35	9.7 mm	0.3819	9.7
1.5 mm	0.0591	1.5	#24	0.1520	3.861	1/4"	0.2500	6.35	9.8 mm	0.3858	9.8
#53	0.0595	1.511	3.9 mm	0.1535	3.9	6.4 mm	0.2520	6.4	W	0.3860	9.804
1/16"	0.0625	1.587	#23	0.1540	3.912	6.5 mm	0.2559	6.5	9.9 mm	0.3898	9.9
1.6 mm	0.0630	1.6	5/32"	0.1563	3.969	F	0.2570	6.528	25/64"	0.3906	9.922
#52	0.0635	1.613	#22	0.1570	3.988	6.6 mm	0.2598	6.6	10 mm	0.3937	10
1.7 mm	0.0669	1.7	4 mm	0.1575	4	G	0.2610	6.629	X	0.3970	10.084
#51	0.0670	1.702	#21	0.1590	4.039	6.7 mm	0.2638	6.7	10.1 mm	0.3976	10.1
#50	0.0700	1.778	#20	0.1610	4.089	17/64"	0.2656	6.747	10.2 mm	0.4016	10.2
1.8 mm	0.0709	1.8	4.1 mm	0.1614	4.1	H	0.2660	6.756	Y	0.4040	10.262
#49	0.0730	1.854	4.2 mm	0.1654	4.2	6.8 mm	0.2677	6.8	10.3 mm	0.4055	10.3
1.9 mm	0.0748	1.9	#19	0.1660	4.216	6.9 mm	0.2717	6.9	13/32"	0.4063	10.319
#48	0.0760	1.93	4.3 mm	0.1693	4.3	I	0.2720	6.909	10.4 mm	0.4094	10.4
5/64"	0.0781	1.984	#18	0.1695	4.305	7 mm	0.2756	7	Z	0.4130	10.49
#47	0.0785	1.994	11/64"	0.1719	4.366	J	0.2770	7.036	10.5 mm	0.4134	10.5
2 mm	0.0787	2	#17	0.1730	4.394	7.1 mm	0.2795	7.1	10.6 mm	0.4173	10.6
2.05 mm	0.0807	2.05	4.4 mm	0.1732	4.4	K	0.2810	7.137	10.7 mm	0.4213	10.7
#46	0.0810	2.057	#16	0.1770	4.496	9/32"	0.2813	7.144	27/64"	0.4219	10.716
#45	0.0820	2.083	4.5 mm	0.1772	4.5	7.2 mm	0.2835	7.2	10.8 mm	0.4252	10.8
2.1 mm	0.0827	2.1	#15	0.1800	4.572	7.3 mm	0.2874	7.3	10.9 mm	0.4291	10.9
#44	0.0860	2.184	4.6 mm	0.1811	4.6	L	0.2900	7.366	11 mm	0.4331	11
2.2 mm	0.0866	2.2	#14	0.1820	4.623	7.4 mm	0.2913	7.4	11.1 mm	0.4370	11.1
#43	0.0890	2.261	#13	0.1850	4.699	M	0.2950	7.493	7/16"	0.4375	11.112
2.3 mm	0.0906	2.3	4.7 mm	0.1850	4.7	7.5 mm	0.2953	7.5	11.2 mm	0.4409	11.2
#42	0.0935	2.375	3/16"	0.1875	4.762	19/64"	0.2969	7.541	11.3 mm	0.4449	11.3

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DRILL	INCH	MM	DRILL	INCH	MM
11.4 mm	0.4488	11.4	7/8"	0.8750	22.225
11.5 mm	0.4528	11.5	57/64"	0.8906	22.622
29/64"	0.4531	11.509	29/32"	0.9063	23.019
11.6 mm	0.4567	11.6	59/64"	0.9219	23.416
11.7 mm	0.4606	11.7	15/16"	0.9375	23.813
11.8 mm	0.4646	11.8	61/64"	0.9531	24.209
11.9 mm	0.4685	11.9	31/32"	0.9688	24.606
15/32"	0.4688	11.906	63/64"	0.9844	25.003
12 mm	0.4724	12	1"	1.0000	25.4
12.1 mm	0.4764	12.1			
12.2 mm	0.4803	12.2			
12.3 mm	0.4843	12.3			
31/64"	0.4844	12.303			
12.4 mm	0.4882	12.4			
12.5 mm	0.4921	12.5			
12.6 mm	0.4961	12.6			
1/2"	0.5000	12.7			
12.7 mm	0.5000	12.7			
12.8 mm	0.5039	12.8			
12.9 mm	0.5079	12.9			
13 mm	0.5118	13			
33/64"	0.5156	13.097			
17/32"	0.5313	13.494			
13.5 mm	0.5315	13.5			
35/64"	0.5469	13.891			
14 mm	0.5512	14			
9/16"	0.5625	14.287			
14.5 mm	0.5709	14.5			
37/64"	0.5781	14.684			
15 mm	0.5906	15			
19/32"	0.5938	15.081			
39/64"	0.6094	15.478			
15.5 mm	0.6102	15.5			
5/8"	0.6250	15.875			
16 mm	0.6299	16			
41/64"	0.6406	16.272			
16.5 mm	0.6496	16.5			
21/32"	0.6563	16.669			
17 mm	0.6693	17			
43/64"	0.6719	17.066			
11/16"	0.6875	17.462			
17.5 mm	0.6890	17.5			
45/64"	0.7031	17.859			
18 mm	0.7087	18			
23/32"	0.7188	18.256			
18.5 mm	0.7283	18.5			
47/64"	0.7344	18.653			
19 mm	0.7480	19			
3/4"	0.7500	19.05			
49/64"	0.7656	19.447			
19.5 mm	0.7677	19.5			
25/32"	0.7813	19.844			
20 mm	0.7874	20			
51/64"	0.7969	20.241			
20.5 mm	0.8071	20.5			
13/16"	0.8125	20.637			
21 mm	0.8268	21			
53/64"	0.8281	21.034			
27/32"	0.8438	21.431			
55/64"	0.8594	21.828			