

Drill bit size chart

Fractional, number, letter and metric drill sizes with decimal-inch and millimetre equivalents.

Fractional drill sizes 1/64 in to 1 in

Size	Decimal inch	Millimetres (exact)	Size	Decimal inch	Millimetres (exact)	Size	Decimal inch	Millimetres (exact)
1/64 in	0.015625 in	0.396875 mm	23/64 in	0.359375 in	9.128125 mm	45/64 in	0.703125 in	17.859375 mm
1/32 in	0.03125 in	0.79375 mm	3/8 in	0.375 in	9.525 mm	23/32 in	0.71875 in	18.25625 mm
3/64 in	0.046875 in	1.190625 mm	25/64 in	0.390625 in	9.921875 mm	47/64 in	0.734375 in	18.653125 mm
1/16 in	0.0625 in	1.5875 mm	13/32 in	0.40625 in	10.31875 mm	3/4 in	0.750 in	19.050 mm
5/64 in	0.078125 in	1.984375 mm	27/64 in	0.421875 in	10.715625 mm	49/64 in	0.765625 in	19.446875 mm
3/32 in	0.09375 in	2.38125 mm	7/16 in	0.4375 in	11.1125 mm	25/32 in	0.78125 in	19.84375 mm
7/64 in	0.109375 in	2.778125 mm	29/64 in	0.453125 in	11.509375 mm	51/64 in	0.796875 in	20.240625 mm
1/8 in	0.125 in	3.175 mm	15/32 in	0.46875 in	11.90625 mm	13/16 in	0.8125 in	20.6375 mm
9/64 in	0.140625 in	3.571875 mm	31/64 in	0.484375 in	12.303125 mm	53/64 in	0.828125 in	21.034375 mm
5/32 in	0.15625 in	3.96875 mm	1/2 in	0.500 in	12.700 mm	27/32 in	0.84375 in	21.43125 mm
11/64 in	0.171875 in	4.365625 mm	33/64 in	0.515625 in	13.096875 mm	55/64 in	0.859375 in	21.828125 mm
3/16 in	0.1875 in	4.7625 mm	17/32 in	0.53125 in	13.49375 mm	7/8 in	0.875 in	22.225 mm
13/64 in	0.203125 in	5.159375 mm	35/64 in	0.546875 in	13.890625 mm	57/64 in	0.890625 in	22.621875 mm
7/32 in	0.21875 in	5.55625 mm	9/16 in	0.5625 in	14.2875 mm	29/32 in	0.90625 in	23.01875 mm
15/64 in	0.234375 in	5.953125 mm	37/64 in	0.578125 in	14.684375 mm	59/64 in	0.921875 in	23.415625 mm
1/4 in	0.250 in	6.350 mm	19/32 in	0.59375 in	15.08125 mm	15/16 in	0.9375 in	23.8125 mm
17/64 in	0.265625 in	6.746875 mm	39/64 in	0.609375 in	15.478125 mm	61/64 in	0.953125 in	24.209375 mm
9/32 in	0.28125 in	7.14375 mm	5/8 in	0.625 in	15.875 mm	31/32 in	0.96875 in	24.60625 mm
19/64 in	0.296875 in	7.540625 mm	41/64 in	0.640625 in	16.271875 mm	63/64 in	0.984375 in	25.003125 mm
5/16 in	0.3125 in	7.9375 mm	21/32 in	0.65625 in	16.66875 mm	1 in	1.000 in	25.400 mm
21/64 in	0.328125 in	8.334375 mm	43/64 in	0.671875 in	17.065625 mm			
11/32 in	0.34375 in	8.73125 mm	11/16 in	0.6875 in	17.4625 mm			

Exact conversions (1 in = 25.4 mm). Sizes above 1 in were not tabulated by the sources fetched.

Number (wire gauge) drill sizes #80 to #1

Size	Decimal inch	Millimetres	Size	Decimal inch	Millimetres	Size	Decimal inch	Millimetres
#80	0.0135 in	0.343 mm	#53	0.0595 in	1.511 mm	#26	0.1470 in	3.734 mm
#79	0.0145 in	0.368 mm	#52	0.0635 in	1.613 mm	#25	0.1495 in	3.797 mm
#78	0.0160 in	0.406 mm	#51	0.0670 in	1.702 mm	#24	0.1520 in	3.861 mm
#77	0.0180 in	0.457 mm	#50	0.0700 in	1.778 mm	#23	0.1540 in	3.912 mm
#76	0.0200 in	0.508 mm	#49	0.0730 in	1.854 mm	#22	0.1570 in	3.988 mm
#75	0.0210 in	0.533 mm	#48	0.0760 in	1.930 mm	#21	0.1590 in	4.039 mm
#74	0.0225 in	0.572 mm	#47	0.0785 in	1.994 mm	#20	0.1610 in	4.089 mm
#73	0.0240 in	0.610 mm	#46	0.0810 in	2.057 mm	#19	0.1660 in	4.216 mm
#72	0.0250 in	0.635 mm	#45	0.0820 in	2.083 mm	#18	0.1695 in	4.305 mm
#71	0.0260 in	0.660 mm	#44	0.0860 in	2.184 mm	#17	0.1730 in	4.394 mm
#70	0.0280 in	0.711 mm	#43	0.0890 in	2.261 mm	#16	0.1770 in	4.496 mm
#69	0.0292 in	0.742 mm	#42	0.0935 in	2.375 mm	#15	0.1800 in	4.572 mm
#68	0.0310 in	0.787 mm	#41	0.0960 in	2.438 mm	#14	0.1820 in	4.623 mm
#67	0.0320 in	0.813 mm	#40	0.0980 in	2.489 mm	#13	0.1850 in	4.699 mm
#66	0.0330 in	0.838 mm	#39	0.0995 in	2.527 mm	#12	0.1890 in	4.801 mm
#65	0.0350 in	0.889 mm	#38	0.1015 in	2.578 mm	#11	0.1910 in	4.851 mm
#64	0.0360 in	0.914 mm	#37	0.1040 in	2.642 mm	#10	0.1935 in	4.915 mm
#63	0.0370 in	0.940 mm	#36	0.1065 in	2.705 mm	#9	0.1960 in	4.978 mm
#62	0.0380 in	0.965 mm	#35	0.1100 in	2.794 mm	#8	0.1990 in	5.055 mm
#61	0.0390 in	0.991 mm	#34	0.1110 in	2.819 mm	#7	0.2010 in	5.105 mm
#60	0.0400 in	1.016 mm	#33	0.1130 in	2.870 mm	#6	0.2040 in	5.182 mm
#59	0.0410 in	1.041 mm	#32	0.1160 in	2.946 mm	#5	0.2055 in	5.220 mm
#58	0.0420 in	1.067 mm	#31	0.1200 in	3.048 mm	#4	0.2090 in	5.309 mm
#57	0.0430 in	1.092 mm	#30	0.1285 in	3.264 mm	#3	0.2130 in	5.410 mm
#56	0.0465 in	1.181 mm	#29	0.1360 in	3.454 mm	#2	0.2210 in	5.613 mm
#55	0.0520 in	1.321 mm	#28	0.1405 in	3.569 mm	#1	0.2280 in	5.791 mm
#54	0.0550 in	1.397 mm	#27	0.1440 in	3.658 mm			

Decimals match in AmesWeb and Wikipedia for all 80 sizes. mm from Wikipedia (3 decimals). LMS rounds some to 3 decimals (see conflicts).

Letter drill sizes A to Z

Size	Decimal inch	Millimetres	Size	Decimal inch	Millimetres
A	0.2340 in	5.944 mm	N	0.3020 in	7.671 mm
B	0.2380 in	6.045 mm	O	0.3160 in	8.026 mm
C	0.2420 in	6.147 mm	P	0.3230 in	8.204 mm
D	0.2460 in	6.248 mm	Q	0.3320 in	8.433 mm
E	0.2500 in	6.350 mm	R	0.3390 in	8.611 mm
F	0.2570 in	6.528 mm	S	0.3480 in	8.839 mm
G	0.2610 in	6.629 mm	T	0.3580 in	9.093 mm
H	0.2660 in	6.756 mm	U	0.3680 in	9.347 mm

Size	Decimal inch	Millimetres
I	0.2720 in	6.909 mm
J	0.2770 in	7.036 mm
K	0.2810 in	7.137 mm
L	0.2900 in	7.366 mm
M	0.2950 in	7.493 mm

Size	Decimal inch	Millimetres
V	0.3770 in	9.576 mm
W	0.3860 in	9.804 mm
X	0.3970 in	10.08 mm
Y	0.4040 in	10.26 mm
Z	0.4130 in	10.49 mm

All three sources agree on decimals.

Common metric HSS jobber drills (DIN 338) with overall length

Diameter	Decimal inch (converted)	Overall length
1.5 mm	0.0591 in	40 mm (1.57 in)
2 mm	0.0787 in	49 mm (1.93 in)
2.5 mm	0.0984 in	57 mm (2.24 in)
3 mm	0.1181 in	61 mm (2.40 in)
3.2 mm	0.1260 in	65 mm (2.56 in)
3.5 mm	0.1378 in	70 mm (2.76 in)
4 mm	0.1575 in	75 mm (2.95 in)
4.5 mm	0.1772 in	80 mm (3.15 in)
4.8 mm	0.1890 in	86 mm (3.39 in)
5 mm	0.1969 in	86 mm (3.39 in)
5.5 mm	0.2165 in	93 mm (3.66 in)
6 mm	0.2362 in	93 mm (3.66 in)
6.5 mm	0.2559 in	101 mm (3.98 in)
7 mm	0.2756 in	109 mm (4.29 in)
8 mm	0.3150 in	117 mm (4.61 in)
9 mm	0.3543 in	125 mm (4.92 in)
10 mm	0.3937 in	133 mm (5.24 in)
12 mm	0.4724 in	151 mm (5.94 in)

Sizes and lengths from Starrett catalogue 71E (KBAR line and KBK13 set). Inch values are conversions.

Sources: AmesWeb; L.S. Starrett (UK); Little Machine Shop; Wikipedia. Checked 22 October 2026. Always confirm against your tool and accessory manuals. Free to share under CC BY 4.0 with credit to AccessoryFit (accessoryfit.com/printables/).