

DECIMAL EQUIVALENTS AND TAP SIZES OF FRACTION, WIRE, LETTER AND METRIC SIZES

| Inch Drill Size | Decimal, In | Metric Drill Size, mm | Tap Size | Inch Drill Size | Decimal, In | Metric Drill Size, mm | Tap Size | Inch Drill Size | Decimal, In | Metric Drill Size, mm | Tap Size | Inch Drill Size | Decimal, In | Metric Drill Size, mm | Tap Size |
|-----------------|-------------|-----------------------|------------|-----------------|-------------|-----------------------|--------------|-----------------|-------------|-----------------------|--------------|-----------------|-------------|-----------------------|-------------------------|
| 97 | 0.0059 | 0.15 | | | 0.0768 | 1.95 | | 7/32 | 0.21875 | | | 15/32 | 0.46875 | | |
| 96 | 0.0063 | 0.16 | | 5/64 | 0.07813 | | | | 0.2205 | 5.60 | | | 0.4724 | 12.00 | M14x2 |
| 95 | 0.0067 | 0.17 | | 47 | 0.0785 | | #3 - 48 | 2 | 0.2210 | | | 31/64 | 0.48438 | | 9/16 - 12 |
| 94 | 0.0071 | 0.18 | | | 0.0787 | 2.00 | | | 0.2244 | 5.70 | | | 0.4921 | 12.50 | M14x1.5 |
| 93 | 0.0075 | 0.19 | | | 0.0807 | 2.05 | M2.5-0.45 | | 0.2264 | 5.75 | | 1/2 | 0.50000 | | |
| 92 | 0.0079 | 0.20 | | 46 | 0.0810 | | | 1 | 0.2280 | | | | 0.5118 | 13.00 | M14x1.25 |
| 91 | 0.0083 | 0.21 | | 45 | 0.0820 | | #3 - 56 | | 0.2283 | 5.80 | | 33/64 | 0.51563 | | 9/16 - 18 |
| 90 | 0.0087 | 0.22 | | | 0.0827 | 2.10 | | | 0.2323 | 5.90 | | 17/32 | 0.53125 | | 5/8 - 11 |
| 89 | 0.0091 | 0.23 | | | 0.0846 | 2.15 | M2.6-0.45 | A | 0.2340 | | | | 0.5315 | 13.50 | |
| | 0.0094 | 0.24 | | 44 | 0.0860 | | #4-36 | 15/64 | 0.23438 | | | 35/64 | 0.54688 | | |
| 88 | 0.0095 | | | | 0.0866 | 2.20 | | | 0.2362 | 6.00 | M7x1 | | 0.5512 | 14.00 | M16x2.0 |
| | 0.0098 | 0.25 | | | 0.0886 | 2.25 | | B | 0.2380 | | | 9/16 | 0.56250 | | |
| 87 | 0.0100 | | | 43 | 0.0890 | | #4 - 40 | | 0.2402 | 6.10 | | | 0.5709 | 14.50 | M16x1.5 |
| | 0.0102 | 0.26 | | | 0.0906 | 2.30 | | C | 0.2420 | | | 37/64 | 0.57813 | | 3/8 - 18NPT, 5/8 - 18NF |
| 86 | 0.0105 | | | | 0.0925 | 2.35 | | | 0.2441 | 6.20 | | | 0.5906 | 15.00 | |
| | 0.0106 | 0.27 | | 42 | 0.0935 | | #4 - 48 | D | 0.2460 | | | 19/32 | 0.59375 | | 3/8 - 18 NPS |
| 85 | 0.0110 | 0.28 | | 3/32 | 0.09375 | | | | 0.2461 | 6.25 | 1/16 - 27NPT | 39/64 | 0.60938 | | |
| | 0.0114 | 0.29 | | | 0.0945 | 2.40 | | | 0.2480 | 6.30 | | | 0.6102 | 15.50 | M18x2.5 |
| 84 | 0.0115 | | | 41 | 0.0960 | | | E, 1/4 | 0.2500 | | 1/16 - 27NPS | 5/8 | 0.62500 | | 11/16 - 16NS |
| | 0.0118 | 0.30 | | | 0.0965 | 2.45 | | | 0.2520 | 6.40 | | | 0.6299 | 16.00 | M18x2.0 |
| 83 | 0.0120 | | | 40 | 0.0980 | | | | 0.2559 | 6.50 | | 41/64 | 0.64063 | | |
| 82 | 0.0125 | | | | 0.0984 | 2.50 | M3x0.5 | F | 0.2570 | | 5/16 - 18NC | | 0.6496 | 16.50 | |
| | 0.0126 | 0.32 | | 39 | 0.0995 | | | | 0.2598 | 6.60 | | 21/32 | 0.65625 | | 3/4 - 10NC |
| 81 | 0.0130 | | | 38 | 0.1015 | | #5 - 40 | G | 0.2610 | | | | 0.6693 | 17.00 | |
| | 0.0134 | 0.34 | | | 0.1024 | 2.60 | | | 0.2638 | 6.70 | | 43/64 | 0.67188 | | |
| 80 | 0.0135 | | | 37 | 0.1040 | | #5 - 44 | 17/64 | 0.2656 | | | 11/16 | 0.68750 | | 3/4 - 16NF |
| | 0.0138 | 0.35 | | | 0.1063 | 2.70 | | | 0.2657 | 6.75 | M8x1.25 | | 0.6890 | 17.50 | M20x2.5 |
| | 0.0142 | 0.36 | | 36 | 0.1065 | | #6 - 32 | H | 0.2660 | | | 45/64 | 0.70313 | | |
| 79 | 0.0145 | | | | 0.1083 | 2.75 | | | 0.2677 | 6.80 | | | 0.7087 | 18.00 | M20x2.0 |
| | 0.0150 | 0.38 | | 7/64 | 0.10938 | | | | 0.2717 | 6.90 | | 23/32 | 0.71875 | | 1/2 - 14 NPT |
| 1/64 | 0.01563 | | | 35 | 0.1100 | | | I | 0.2720 | | 5/16 - 24NF | | 0.7283 | 18.50 | M20x1.5 |
| | 0.0157 | 0.40 | | | 0.1102 | 2.80 | | | 0.2756 | 7.00 | M8x1.0 | 47/64 | 0.73438 | | 1/2 - 14NPS |
| 78 | 0.0160 | | | 34 | 0.1110 | | | J | 0.2770 | | | | 0.7480 | 19.00 | |
| | 0.0165 | 0.42 | | 33 | 0.1130 | | #6 - 40 | | 0.2795 | 7.10 | | 3/4 | 0.75000 | | |
| | 0.0173 | 0.44 | | | 0.1142 | 2.90 | M3.5x0.6 | K | 0.2810 | | | 49/64 | 0.76563 | | 7/8 - 9NC |
| | 0.0177 | 0.45 | | 32 | 0.1160 | | | 9/32 | 0.28125 | | | | 0.7677 | 19.50 | M22x2.5 |
| 77 | 0.0180 | | | | 0.1181 | 3.00 | | | 0.2835 | 7.20 | | 25/32 | 0.78125 | | |
| | 0.0181 | 0.46 | | 31 | 0.1200 | | | | 0.2854 | 7.25 | | | 0.7874 | 20.00 | M22x2.0 |
| | 0.0189 | 0.48 | | | 0.1220 | 3.10 | | | 0.2874 | 7.30 | | 51/64 | 0.79688 | | |
| | 0.0197 | 0.50 | | 1/8 | 0.12500 | | 5/32 - 32NS | L | 0.2900 | | | | 0.8071 | 20.50 | M22x1.5 |
| 76 | 0.0200 | | | | 0.1260 | 3.20 | | | 0.2913 | 7.40 | | 13/16 | 0.81250 | | 7/8 - 14NF |
| 75 | 0.0210 | | | | 0.1280 | 3.25 | | M | 0.2950 | | | | 0.8268 | 21.00 | M24x3.0 |
| | 0.0217 | 0.55 | | 30 | 0.1285 | | 5/32 - 36 NS | | 0.2953 | 7.50 | | 53/64 | 0.82813 | | |
| 74 | 0.0225 | | | | 0.1299 | 3.30 | M4x0.70 | 19/64 | 0.29688 | | | 27/64 | 0.42188 | | |
| | 0.0236 | 0.60 | | | 0.1339 | 3.40 | | | 0.2992 | 7.60 | | | 0.8465 | 21.50 | |
| 73 | 0.0240 | | | 29 | 0.1360 | | #8-32 | N | 0.3020 | | | 55/64 | 0.85938 | | |
| 72 | 0.0250 | | | | 0.1378 | 3.50 | | | 0.3031 | 7.70 | | | 0.8661 | 22.00 | M24x2.0 |
| | 0.0256 | 0.65 | | 28 | 0.1405 | | | | 0.3051 | 7.75 | M9x1.25 | 7/8 | 0.87500 | | 1 - 8NC |
| 71 | 0.0260 | | | 9/64 | 0.14063 | | | | 0.3071 | 7.80 | | | 0.8760 | 22.25 | |
| | 0.0276 | 0.70 | | | 0.1417 | 3.60 | | | 0.3110 | 7.90 | | | 0.8858 | 22.50 | M24x1.5 |
| 70 | 0.0280 | | | 27 | 0.1440 | | | 5/16 | 0.31250 | | 3/8 - 16NC | 57/64 | 0.89063 | | |
| 69 | 0.0292 | | | | 0.1457 | 3.70 | | | 0.3150 | 8.00 | | | 0.9055 | 23.00 | |
| | 0.0295 | 0.75 | | 26 | 0.1470 | | 3/16 - 24NS | O | 0.3610 | | | 29/64 | 0.45313 | | |
| 68 | 0.0310 | | | | 0.1476 | 3.75 | M4.5x0.75 | | 0.3189 | 8.10 | | 59/64 | 0.92188 | | 3/4 - 14NPS |
| 1/32 | 0.03125 | | | 25 | 0.1495 | | #10 - 24 | | 0.3228 | 8.20 | | | 0.9252 | 23.50 | |
| | 0.0315 | 0.80 | | | 0.1496 | 3.80 | | P | 0.3230 | | | 15/16 | 0.93750 | | 1 - 14NF |
| 67 | 0.0320 | | | 24 | 0.1520 | | | | 0.3248 | 8.25 | | | 0.9449 | 24.00 | M27x3.0 |
| 66 | 0.0330 | | | | 0.1535 | 3.90 | | | 0.3268 | 8.30 | | 61/64 | 0.95313 | | |
| | 0.0335 | 0.85 | | 23 | 0.1540 | | | 21/64 | 0.32813 | | | | 0.9646 | 24.50 | |
| 65 | 0.0350 | | | 5/32 | 0.15625 | | | | 0.3307 | 8.40 | | 31/32 | 0.96875 | | |
| | 0.0354 | 0.90 | | 22 | 0.1570 | | 3/16 - 32NS | Q | 0.3320 | | 3/8 - 24NF | | 0.9843 | 25.00 | M27x2.0 |
| 64 | 0.0360 | | | | 0.1575 | 4.00 | | | 0.3346 | 8.50 | M10x1.5 | 63/64 | 0.98438 | | 1-1/8 - 7NC |
| 63 | 0.0370 | | | 21 | 0.1590 | | | | 0.3386 | 8.60 | | 1 | 1.00000 | | |
| | 0.0374 | 0.95 | | 20 | 0.1610 | | | R | 0.3390 | | 1/8 - 27NPT | | 1.0039 | 25.50 | |
| 62 | 0.0380 | | | | 0.1614 | 4.10 | | | 0.3425 | 8.70 | | 1-1/64 | 1.01563 | | |
| 61 | 0.0390 | | | | 0.1654 | 4.20 | M5x0.8 | 11/32 | 0.3438 | | | | 1.0236 | 26.00 | |
| | 0.0394 | 1.00 | | 19 | 0.1660 | | | | 0.3445 | 8.75 | M10x1.25 | 1-1/32 | 1.03125 | | |
| 60 | 0.0400 | | | | 0.1673 | 4.25 | | | 0.3465 | 8.80 | | | 1.0433 | 26.50 | M30x3.5 |
| 59 | 0.0410 | | | | 0.1693 | 4.30 | | S | 0.3480 | | 1/8 - 27 NPT | 1-3/64 | 1.04688 | | 1-1/8 - 12NF |
| | 0.0413 | 1.05 | | 18 | 0.1695 | | | | 0.3504 | 8.90 | | 1-1/16 | 1.06250 | | |
| 58 | 0.0420 | | | 11/64 | 0.17188 | | | | 0.3543 | 9.00 | M10x1.0 | | 1.0630 | 27.00 | |
| 57 | 0.0430 | | | 17 | 0.1730 | | | T | 0.3580 | | | 1-5/64 | 1.07813 | | |
| | 0.0433 | 1.10 | | | 0.1732 | 4.40 | | | 0.3583 | 9.10 | | | 1.0827 | 27.50 | |
| | 0.0453 | 1.15 | | 16 | 0.1770 | | #12 - 24 | 23/64 | 0.3594 | | | 1-3/32 | 1.0938 | | |
| 56 | 0.0465 | | | | 0.1772 | 4.50 | | | 0.3622 | 9.20 | | | 1.1024 | 28.00 | M30x2.0 |
| 3/64 | 0.04688 | | #0 - 80 | 15 | 0.1800 | | | | 0.3642 | 9.25 | | 1-7/64 | 1.1094 | | 1-1/4 - 7NC |
| | 0.0472 | 1.20 | | | 0.1811 | 4.60 | | | 0.3661 | 9.30 | | | 1.1220 | 28.50 | |
| | 0.0492 | 1.25 | M1.6x0.35 | 14 | 0.1820 | | #12 - 28 | U | 0.3680 | | 7/16 - 14NC | 1-1/8 | 1.1250 | | |
| | 0.0512 | 1.30 | | 13 | 0.1850 | 4.70 | | | 0.3701 | 9.40 | | 1-9/64 | 1.1406 | | |
| 55 | 0.0520 | | | | 0.1870 | 4.75 | | | 0.3740 | 9.50 | M11x1.5 | | 1.1417 | 29.00 | |
| | 0.0531 | 1.35 | | 3/16 | 0.18750 | | | 3/8 | 0.37500 | | | 1-5/32 | 1.1563 | | 1 - 11-1/2 NPT |
| 54 | 0.0550 | | | 12 | 0.1890 | 4.80 | 7/32 - 32NS | V | 0.3770 | | | | 1.1614 | 29.50 | |
| | 0.0551 | 1.40 | | 11 | 0.1910 | | | | 0.3780 | 9.60 | | 1-11/64 | 1.1719 | | 1-1/4 - 12NF |
| | 0.0571 | 1.45 | M1.8x0.35 | | 0.1929 | 4.90 | | | 0.3819 | 9.70 | | | 1.1811 | 30.00 | |
| | 0.0591 | 1.50 | | 10 | 0.1935 | | | | 0.3839 | 9.75 | | | 1.2008 | 30.50 | 1-3/8 - 6 |
| 53 | 0.0595 | | #1 - 64,72 | 9 | 0.1960 | | | | 0.3858 | 9.80 | | 1-7/32 | 1.2188 | | |
| | 0.0610 | 1.55 | | | 0.1969 | 5.00 | M6x1.0 | W | 0.3860 | | | | 1.2205 | 31.00 | M33x2.0 |
| 1/16 | 0.06250 | | | 8 | 0.1990 | | | | 0.3898 | 9.90 | | | 1.2402 | 31.50 | |
| | 0.0630 | 1.60 | M2x0.4 | | 0.2008 | 5.10 | | 25/64 | 0.39063 | | 7/16-20 | | 1.2598 | 32.00 | M36x4.0 |
| 52 | 0.0635 | | | 7 | 0.2010 | | 1/4 - 20 | | 0.3937 | 10.00 | M12x1.75 | | 1.2795 | 32.50 | |
| | 0.0650 | 1.65 | | 13/64 | 0.20313 | | | X | 0.3970 | | | 1-19/64 | 1.2969 | | 1-3/8 - 12 |
| | 0.0669 | 1.70 | | 6 | 0.2040 | | | Y | 0.4040 | | | | 1.2992 | 33.00 | M36x3.0 |
| 51 | 0.0670 | | #2 - 56 | | 0.2047 | 5.20 | | 13/32 | 0.4063 | | | | 1.3189 | 33.50 | |
| | 0.0689 | 1.75 | M2.2x0.45 | 5 | 0.2055 | | | Z | 0.4130 | | | | 1.3386 | 34.00 | |
| 50 | 0.0700 | | #2 - 64 | | 0.2067 | 5.25 | M6x0.75 | | 0.4134 | 10.50 | M12x1.25 | 1-11/32 | 1.3438 | | 1-1/2 - 6 |
| | 0.0709 | 1.80 | | | 0.2087 | 5.30 | | 27/64 | 0.42188 | | 1/2 - 13 | | 1.3583 | 34.50 | |
| | 0.0728 | 1.85 | | 4 | 0.2090 | | 1/4 - 24 | | 0.4331 | 11.00 | | 1-3/8 | 1.3750 | | |