



LAKE AREA TECHNICAL INSTITUTE

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DECIMAL EQUIVALENTS OF FRACTION, WIRE GAUGE AND LETTER SIZE DRILLS

TAP DRILL SIZES BASED ON APPROXIMATELY 75% FULL THREAD

| DRILL SIZE | DECIMAL | DRILL SIZE | DECIMAL | DRILL SIZE | DECIMAL | DRILL SIZE | DECIMAL | THREAD | DRILL | THREAD | DRILL |
|------------|---------|------------|---------|------------|---------|------------|---------|----------|---------|----------------------|---------|
| 80 | .0135 | 42 | .0935 | 13/64 | .2031 | X | .3970 | #0-80 | 3/64 | 1-1/2-6 | 1-11/32 |
| 79 | .0145 | 3/32 | .0938 | 6 | .2040 | Y | .4040 | #1-64 | NO. 53 | 1-1/2-12 | 1-27/64 |
| 1/64 | .0156 | 41 | .0960 | 5 | .2055 | 13/32 | .4062 | #1-72 | NO. 53 | 1-3/4-5 | 1-35/64 |
| 78 | .0160 | 40 | .0980 | 4 | .2090 | Z | .4130 | #2-56 | NO. 51 | 1-3/4-12 | 1-43/64 |
| 77 | .0180 | 39 | .0995 | 3 | .2130 | 27/64 | .4219 | #2-64 | NO. 50 | 2-4-1/2 | 1-25/32 |
| 76 | .0200 | 38 | .1015 | 7/32 | .2188 | 7/16 | .4375 | #3-48 | 5/64 | 2-12 | 1-59/64 |
| 75 | .0210 | 37 | .1040 | 2 | .2210 | 29/64 | .4531 | #3-56 | NO. 46 | 2-1/4-4-1/2 | 2-1/32 |
| 74 | .0225 | 36 | .1065 | 1 | .2280 | 15/32 | .4688 | #4-40 | NO. 43 | 2-1/2-4 | 2-1/4 |
| 73 | .0240 | 7/64 | .1094 | A | .2340 | 31/64 | .4844 | #4-48 | NO. 42 | 2-3/4-4 | 2-1/2 |
| 72 | .0250 | 35 | .1100 | 15/64 | .2344 | 1/2 | .5000 | #5-40 | NO. 39 | 3-4 | 2-3/4 |
| 71 | .0260 | 34 | .1110 | B | .2380 | 33/64 | .5156 | #5-44 | NO. 37 | | |
| 70 | .0280 | 33 | .1130 | C | .2420 | 17/32 | .5312 | #6-32 | NO. 36 | TAPER PIPE | |
| 69 | .0292 | 32 | .1160 | D | .2460 | 35/64 | .5469 | #6-40 | NO. 33 | 1/8-27 | R |
| 68 | .0310 | 31 | .1200 | 1/4 | .2500 | 9/16 | .5625 | #8-36 | NO. 29 | 1/4-18 | 7/16 |
| 1/32 | .0312 | 1/8 | .1250 | E | .2500 | 37/64 | .5781 | #8-32 | NO. 29 | 3/8-18 | 37/64 |
| 67 | .0320 | 30 | .1285 | F | .2570 | 19/32 | .5938 | #10-24 | NO. 25 | 1/2-14 | 23/32 |
| 66 | .0330 | 29 | .1360 | G | .2610 | 39/64 | .6094 | #10-32 | NO. 21 | 3/4-14 | 59/64 |
| 65 | .0350 | 28 | .1405 | 17/64 | .2656 | 5/8 | .6250 | #12-24 | NO. 17 | 1-11-1/2 | 1-5/32 |
| 64 | .0360 | 9/64 | .1406 | H | .2660 | 41/64 | .6406 | #12-28 | NO. 15 | 1 1/4-11 1/2 | 1-1/2 |
| 63 | .0370 | 27 | .1440 | I | .2720 | 21/32 | .6562 | 1/4-20 | NO. 8 | 1 1/2-11 1/2 | 1-47/64 |
| 62 | .0380 | 26 | .1470 | J | .2770 | 43/64 | .6719 | 1/4-28 | NO. 3 | 2-11-1/2 | 2-7/32 |
| 61 | .0390 | 25 | .1495 | K | .2810 | 11/16 | .6875 | 5/16-18 | F | 2-1/2-8 | 2-5/8 |
| 60 | .0400 | 24 | .1520 | L | .2900 | 45/64 | .7031 | 5/16-24 | I | 3-8 | 3-1/4 |
| 59 | .0410 | 23 | .1540 | 9/32 | .2812 | 23/32 | .7188 | 3/8-16 | 5/16 | 3-1/2-8 | 3-3/4 |
| 58 | .0420 | 5/32 | .1562 | M | .2950 | 47/64 | .7344 | 3/8-24 | Q | 4-8 | 4-1/4 |
| 57 | .0430 | 22 | .1570 | 19/64 | .2969 | 3/4 | .7500 | 7/16-14 | U | 5-8 | 5-9/32 |
| 56 | .0465 | 21 | .1590 | N | .3020 | 49/64 | .7656 | 7/16-20 | W | 6-8 | 6-11/32 |
| 3/64 | .0469 | 20 | .1610 | 5/16 | .3125 | 25/32 | .7812 | 1/2-12 | 27/64 | STRAIGHT PIPE | |
| 55 | .0520 | 19 | .1660 | O | .3160 | 51/64 | .7969 | 1/2-13 | 27/64 | 1/8-27 | S |
| 54 | .0550 | 18 | .1695 | P | .3230 | 13/16 | .8125 | 1/2-20 | 29/64 | 1/4-18 | 29/64 |
| 53 | .0595 | 11/64 | .1719 | Q | .3320 | 53/64 | .8281 | 9/16-12 | 31/64 | 3/8-18 | 19/32 |
| 1/16 | .0625 | 17 | .1730 | 21/64 | .3281 | 27/32 | .8438 | 5/8-11 | 17/32 | 3/8-18 | 19/32 |
| 52 | .0635 | 16 | .1770 | R | .3390 | 55/64 | .8594 | 5/8-18 | 37/64 | 1/2-14 | 47/64 |
| 51 | .0670 | 15 | .1800 | 11/32 | .3438 | 7/8 | .8750 | 3/4-10 | 21/32 | 3/4-14 | 15/16 |
| 50 | .0700 | 14 | .1820 | S | .3480 | 57/64 | .8906 | 3/4-16 | 11/16 | 1-11-1/2 | 1-3/16 |
| 49 | .0730 | 13 | .1850 | T | .3580 | 29/32 | .9062 | 7/8-9 | 49/64 | 1 1/4-11 1/2 | 1-33/64 |
| 48 | .0760 | 3/16 | .1875 | 23/64 | .3594 | 59/64 | .9219 | 7/8-14 | 13/16 | 1 1/2-11 1/2 | 1-3/4 |
| 5/64 | .0781 | 12 | .1890 | U | .3680 | 15/16 | .9375 | 1-8 | 7/8 | 2-11-1/2 | 2-7/32 |
| 47 | .0785 | 11 | .1910 | V | .3770 | 1 | 1.0000 | 1-12 | 59/64 | 2-1/2-8 | 2-21/32 |
| 46 | .0810 | 10 | .1935 | 3/8 | .3750 | 61/64 | .9531 | 1-14 | 15/16 | 3-8 | 3-9/32 |
| 45 | .0820 | 9 | .1960 | W | .3860 | 31/32 | .9688 | 1-1/8-7 | 63/64 | 3-1/2-8 | 3-25/32 |
| 44 | .0860 | 8 | .1990 | 25/64 | .3906 | 63/64 | .9844 | 1-1/8-12 | 1-3/64 | 4-8 | 4-9/32 |
| 43 | .0890 | 7 | .2010 | | | | | 1-1/4-7 | 1-7/64 | 5-8 | 5-11/32 |
| | | | | | | | | 1-1/4-12 | 1-11/64 | 6-8 | 6-13/32 |



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