

Fractional, Decimal and Millimeter Equivalents

| | | Decimals | Millimeters | | | Decimals | Millimeters | mm | inches | mm | inches |
|----------------|-----------------|----------|-------------|--|-----------------|----------|-------------|-----|--------|-----|--------|
| | $\frac{1}{64}$ | .015625 | 0.397 | | $\frac{33}{64}$ | .515625 | 13.097 | 0.1 | .0039 | 46 | 1.8110 |
| | $\frac{1}{32}$ | .03125 | 0.794 | | $\frac{17}{32}$ | .53125 | 13.494 | 0.2 | .0079 | 47 | 1.8504 |
| | $\frac{3}{64}$ | .046875 | 1.191 | | $\frac{35}{64}$ | .546875 | 13.891 | 0.3 | .0118 | 48 | 1.8898 |
| $\frac{1}{16}$ | $\frac{5}{64}$ | .078125 | 1.984 | | $\frac{19}{32}$ | .59375 | 15.081 | 0.4 | .0157 | 49 | 1.9291 |
| | $\frac{7}{64}$ | .109375 | 2.778 | | $\frac{39}{64}$ | .609375 | 15.478 | 0.5 | .0197 | 50 | 1.9685 |
| $\frac{1}{8}$ | $\frac{9}{64}$ | .140625 | 3.572 | | $\frac{41}{64}$ | .640625 | 16.272 | 0.6 | .0236 | 51 | 2.0079 |
| | $\frac{11}{64}$ | .171875 | 4.366 | | $\frac{21}{32}$ | .65625 | 16.669 | 0.7 | .0276 | 52 | 2.0472 |
| $\frac{3}{16}$ | $\frac{13}{64}$ | .203125 | 5.159 | | $\frac{43}{64}$ | .671875 | 17.066 | 0.8 | .0315 | 53 | 2.0866 |
| | $\frac{15}{64}$ | .234375 | 5.953 | | $\frac{45}{64}$ | .703125 | 17.859 | 0.9 | .0354 | 54 | 2.1260 |
| $\frac{1}{4}$ | $\frac{17}{64}$ | .265625 | 6.747 | | $\frac{23}{32}$ | .71875 | 18.256 | 1 | .0394 | 55 | 2.1654 |
| | $\frac{19}{64}$ | .296875 | 7.541 | | $\frac{47}{64}$ | .734375 | 18.653 | 2 | .0787 | 56 | 2.2047 |
| $\frac{5}{16}$ | $\frac{21}{64}$ | .328125 | 8.334 | | $\frac{49}{64}$ | .765625 | 19.447 | 3 | .1181 | 57 | 2.2441 |
| | $\frac{23}{64}$ | .359375 | 9.128 | | $\frac{25}{32}$ | .78125 | 19.844 | 4 | .1575 | 58 | 2.2835 |
| $\frac{3}{8}$ | $\frac{25}{64}$ | .390625 | 9.922 | | $\frac{51}{64}$ | .796875 | 20.241 | 5 | .1969 | 59 | 2.3228 |
| | $\frac{27}{64}$ | .421875 | 10.716 | | $\frac{13}{16}$ | .8125 | 20.638 | 6 | .2362 | 60 | 2.3622 |
| $\frac{7}{16}$ | $\frac{29}{64}$ | .453125 | 11.509 | | $\frac{27}{32}$ | .84375 | 21.431 | 7 | .2756 | 61 | 2.4016 |
| | $\frac{31}{64}$ | .484375 | 12.303 | | $\frac{55}{64}$ | .859375 | 21.828 | 8 | .3150 | 62 | 2.4409 |
| $\frac{1}{2}$ | | .5000 | 12.700 | | $\frac{57}{64}$ | .890625 | 22.622 | 9 | .3543 | 63 | 2.4803 |
| | | | | | $\frac{29}{32}$ | .90625 | 23.019 | 10 | .3937 | 64 | 2.5197 |
| | | | | | $\frac{59}{64}$ | .921875 | 23.416 | 11 | .4331 | 65 | 2.5591 |
| | | | | | $\frac{15}{16}$ | .9375 | 23.813 | 12 | .4724 | 66 | 2.5984 |
| | | | | | $\frac{61}{64}$ | .953125 | 24.209 | 13 | .5118 | 67 | 2.6378 |
| | | | | | $\frac{31}{32}$ | .96875 | 24.606 | 14 | .5512 | 68 | 2.6772 |
| | | | | | $\frac{63}{64}$ | .984375 | 25.003 | 15 | .5906 | 69 | 2.7165 |
| | | | | | $\frac{1}{1}$ | 1.000 | 25.400 | 16 | .6299 | 70 | 2.7559 |
| | | | | | | | | 17 | .6693 | 71 | 2.7953 |
| | | | | | | | | 18 | .7087 | 72 | 2.8346 |
| | | | | | | | | 19 | .7480 | 73 | 2.8740 |
| | | | | | | | | 20 | .7874 | 74 | 2.9134 |
| | | | | | | | | 21 | .8268 | 75 | 2.9528 |
| | | | | | | | | 22 | .8661 | 76 | 2.9921 |
| | | | | | | | | 23 | .9055 | 77 | 3.0315 |
| | | | | | | | | 24 | .9449 | 78 | 3.0709 |
| | | | | | | | | 25 | .9843 | 79 | 3.1102 |
| | | | | | | | | 26 | 1.0236 | 80 | 3.1496 |
| | | | | | | | | 27 | 1.0630 | 81 | 3.1890 |
| | | | | | | | | 28 | 1.1024 | 82 | 3.2283 |
| | | | | | | | | 29 | 1.1417 | 83 | 3.2677 |
| | | | | | | | | 30 | 1.1811 | 84 | 3.3071 |
| | | | | | | | | 31 | 1.2205 | 85 | 3.3465 |
| | | | | | | | | 32 | 1.2598 | 86 | 3.3858 |
| | | | | | | | | 33 | 1.2992 | 87 | 3.4252 |
| | | | | | | | | 34 | 1.3386 | 88 | 3.4646 |
| | | | | | | | | 35 | 1.3780 | 89 | 3.5039 |
| | | | | | | | | 36 | 1.4173 | 90 | 3.5433 |
| | | | | | | | | 37 | 1.4567 | 91 | 3.5827 |
| | | | | | | | | 38 | 1.4961 | 92 | 3.6220 |
| | | | | | | | | 39 | 1.5354 | 93 | 3.6614 |
| | | | | | | | | 40 | 1.5748 | 94 | 3.7008 |
| | | | | | | | | 41 | 1.6142 | 95 | 3.7402 |
| | | | | | | | | 42 | 1.6535 | 96 | 3.7795 |
| | | | | | | | | 43 | 1.6929 | 97 | 3.8189 |
| | | | | | | | | 44 | 1.7323 | 98 | 3.8583 |
| | | | | | | | | 45 | 1.7717 | 99 | 3.8976 |
| | | | | | | | | 100 | 1.7717 | 100 | 3.9370 |

1 mm = .03937"

.001" = .0254 mm

| When You Know | Multiply by | To Find |
|---------------|-------------|------------------|
| Inches (in) | 2.54 | Centimeters (cm) |
| Feet (ft) | 30.48 | Centimeters (cm) |
| Yards (yds) | 0.9 | Meters (m) |
| Miles (mi) | 1.6 | Kilometers (km) |