

CONVERSION TABLES INCHES INTO MILLIMETERS



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Due to the current move to convert or switch from inches to the metric system as a universal measuring system we are including the three tables below to allow conversion from inches into millimeters.

Examples:

Convert 0.588 inches into millimeters
 From Table I 0.580 inches = 14.73 millimeters
 From Table I 0.008 inches = 0.203 millimeters
 Total 0.588 inches = 14.933 millimeters

Convert 3.065 inches into millimeters
 From Table II 3 inches = 76.2002 millimeters
 From Table I 0.060 inches = 1.524 millimeters
 From Table I 0.005 inches = 0.127 millimeters
 Total 3.065 inches = 77.8512 millimeters

Convert 2-51/64 inches into millimeters
 From Table II 2-25/32 inches = 70.6439 millimeters
 From Table II 1/64 inches = 0.3969 millimeters
 Total 2-51/64 inches = 71.0408 millimeters

**TABLE I
Decimals of
an inch into
millimeters**

| Inches | Milli- meters | Inches | Milli- meters |
|--------|------------------|--------|------------------|
| 0.001 | 0.025 | 0.460 | 11.68 |
| 0.002 | 0.051 | 0.470 | 11.94 |
| 0.003 | 0.076 | 0.480 | 11.94 |
| 0.004 | 0.102 | 0.490 | 12.45 |
| 0.005 | 0.127 | 0.500 | 12.70 |
| 0.006 | 0.152 | 0.510 | 12.95 |
| 0.007 | 0.178 | 0.520 | 13.21 |
| 0.008 | 0.203 | 0.530 | 13.26 |
| 0.009 | 0.229 | 0.540 | 13.72 |
| 0.010 | 0.254 | 0.550 | 13.97 |
| 0.020 | 0.508 | 0.560 | 14.22 |
| | | 0.570 | 14.48 |
| 0.030 | 0.762 | 0.580 | 14.73 |
| 0.040 | 1.016 | 0.590 | 14.99 |
| 0.050 | 1.270 | 0.600 | 15.24 |
| 0.060 | 1.524 | 0.610 | 15.49 |
| 0.070 | 1.778 | 0.620 | 15.75 |
| 0.080 | 2.032 | 0.630 | 16.00 |
| 0.090 | 2.286 | 0.640 | 16.26 |
| 0.100 | 2.540 | 0.650 | 16.51 |
| 0.110 | 2.794 | 0.660 | 16.76 |
| 0.120 | 3.048 | 0.670 | 17.02 |
| 0.130 | 3.302 | 0.680 | 17.27 |
| 0.140 | 3.556 | 0.690 | 17.53 |
| 0.150 | 3.810 | 0.700 | 17.78 |
| 0.160 | 4.064 | 0.710 | 18.03 |
| 0.170 | 4.318 | 0.720 | 18.29 |
| 0.180 | 4.572 | 0.730 | 18.54 |
| 0.190 | 4.826 | 0.740 | 18.80 |
| 0.200 | 5.080 | 0.750 | 19.05 |
| 0.210 | 5.334 | 0.760 | 19.30 |
| 0.220 | 5.588 | 0.770 | 19.56 |
| 0.230 | 5.842 | 0.780 | 19.81 |
| 0.240 | 6.096 | 0.790 | 20.07 |
| 0.250 | 6.350 | 0.800 | 20.32 |
| 0.260 | 6.604 | 0.810 | 20.57 |
| 0.270 | 6.858 | 0.820 | 20.83 |
| 0.280 | 7.112 | 0.830 | 21.08 |
| 0.290 | 7.366 | 0.840 | 21.34 |
| 0.300 | 7.620 | 0.850 | 21.59 |
| 0.310 | 7.874 | 0.860 | 21.84 |
| 0.320 | 8.128 | 0.870 | 22.10 |
| 0.330 | 8.382 | 0.880 | 22.35 |
| 0.340 | 8.636 | 0.890 | 22.61 |
| 0.350 | 8.890 | 0.900 | 22.86 |
| 0.360 | 9.144 | 0.910 | 23.11 |
| 0.370 | 9.398 | 0.920 | 23.37 |
| 0.380 | 9.652 | 0.930 | 23.62 |
| 0.390 | 9.906 | 0.940 | 23.88 |
| 0.400 | 10.160 | 0.950 | 24.13 |
| 0.410 | 10.414 | 0.960 | 24.38 |
| 0.420 | 10.668 | 0.970 | 24.64 |
| 0.430 | 10.922 | 0.980 | 24.89 |
| 0.440 | 11.176 | 0.990 | 25.15 |
| 0.450 | 11.430 | 1.000 | 25.40 |

For Taper
Dimensions
in inches
and
millimeters
see Page 7.

**TABLE II
Fractions of
an inch into
millimeters**

| Inches | Milli- meters | Inches | Milli- meters |
|--------|------------------|--------|------------------|
| 1/64 | 0.3969 | 33/64 | 13.0969 |
| 1/32 | 0.7937 | 17/32 | 13.4937 |
| 3/64 | 1.1906 | 35/64 | 13.8906 |
| 1/16 | 1.5875 | 9/16 | 14.2875 |
| 5/64 | 1.9844 | 37/64 | 14.6844 |
| 3/32 | 2.3812 | 19/32 | 15.0812 |
| 7/64 | 2.7781 | 39/64 | 15.4781 |
| 1/8 | 3.1750 | 5/8 | 15.8750 |
| 9/64 | 3.5719 | 41/64 | 16.2719 |
| 5/32 | 3.9687 | 21/32 | 16.6687 |
| 11/64 | 4.3656 | 43/64 | 17.0656 |
| 3/16 | 4.7625 | 11/16 | 17.4625 |
| 13/64 | 5.1594 | 45/64 | 17.8594 |
| 7/32 | 5.5562 | 23/32 | 18.2562 |
| 15/64 | 5.9531 | 47/64 | 18.6531 |
| 1/4 | 6.3500 | 3/4 | 19.0500 |
| 17/64 | 6.7469 | 49/64 | 19.4469 |
| 9/32 | 7.1437 | 25/32 | 19.8437 |
| 19/64 | 7.5406 | 51/64 | 20.2406 |
| 5/16 | 7.9375 | 13/16 | 20.6375 |
| 21/64 | 8.3344 | 53/64 | 21.0344 |
| 11/32 | 8.7312 | 27/32 | 21.4312 |
| 23/64 | 9.1281 | 55/64 | 21.8281 |
| 3/8 | 9.5250 | 7/8 | 22.2250 |
| 25/64 | 9.9219 | 57/64 | 22.6219 |
| 13/32 | 10.3187 | 29/32 | 23.0187 |
| 27/64 | 10.7156 | 59/64 | 23.4156 |
| 7/16 | 11.1125 | 15/16 | 23.8125 |
| 29/64 | 11.5094 | 61/64 | 24.2094 |
| 15/32 | 11.9062 | 31/32 | 24.6062 |
| 31/64 | 12.3031 | 63/64 | 25.0031 |
| 1/2 | 12.7000 | 1 | 25.4001 |

**TABLE III
Gage-Decimal-
Millimeter Conver-
sion Chart**

| Gage | Decimal | Millimeter |
|------|---------|------------|
| 3 | .239 | 6.350 |
| 4 | .234 | 5.953 |
| 5 | .209 | 5.556 |
| 6 | .194 | 5.159 |
| 7 | .179 | 4.762 |
| 8 | .164 | 4.365 |
| 9 | .150 | 3.968 |
| 10 | .135 | 3.571 |
| 11 | .120 | 3.175 |
| 12 | .105 | 2.778 |
| 13 | .090 | 2.381 |
| 14 | .075 | 1.984 |
| 15 | .067 | 1.778 |
| 16 | .060 | 1.587 |
| 17 | .054 | 1.422 |
| 18 | .048 | 1.270 |
| 19 | .042 | 1.118 |
| 20 | .036 | .965 |
| 21 | .033 | .865 |
| 22 | .030 | .793 |
| 23 | .027 | .711 |
| 24 | .024 | .635 |
| 25 | .021 | .559 |
| 26 | .018 | .483 |
| 27 | .016 | .432 |
| 28 | .015 | .396 |
| 29 | .014 | .356 |
| 30 | .012 | .330 |
| 31 | .011 | .279 |
| 32 | .010 | .254 |
| 33 | .009 | .229 |
| 34 | .0082 | .216 |
| 35 | .008 | .203 |
| 36 | .007 | .178 |
| 37 | .0064 | .168 |
| 38 | .006 | .152 |