# ENGLISH TO METRIC CONVERSION: LENGTH

To convert inches (ins.) to millimeters (mm): multiply number of inches by 25.4

To convert millimeters (mm) to inches (ins.): multiply number of millimeters by .04

| Inches | Decimals | Milli-meters | Inches to millimeters inches | mm |
|---|---|---|---|---|
| 1/64 | 0.051625 | 0.3969 | 0.0001 | 0.00254 |
| 1/32 | 0.03125 | 0.7937 | 0.0002 | 0.00508 |
| 3/64 | 0.046875 | 1.1906 | 0.0003 | 0.00762 |
| 1/16 | 0.0625 | 1.5875 | 0.0004 | 0.01016 |
| 5/64 | 0.078125 | 1.9844 | 0.0005 | 0.01270 |
| 3/32 | 0.09375 | 2.3812 | 0.0006 | 0.01524 |
| 7/64 | 0.109375 | 2.7781 | 0.0007 | 0.01778 |
| 1/8 | 0.125 | 3.1750 | 0.0008 | 0.02032 |
| 9/64 | 0.140625 | 3.5719 | 0.0009 | 0.02286 |
| 5/32 | 0.15625 | 3.9687 | 0.001 | 0.0254 |
| 11/64 | 0.171875 | 4.3656 | 0.002 | 0.0508 |
| 3/16 | 0.1875 | 4.7625 | 0.003 | 0.0762 |
| 13/64 | 0.203125 | 5.1594 | 0.004 | 0.1016 |
| 7/32 | 0.21875 | 5.5562 | 0.005 | 0.1270 |
| 15/64 | 0.234375 | 5.9531 | 0.006 | 0.1524 |
| 1/4 | 0.25 | 6.3500 | 0.007 | 0.1778 |
| 17/64 | 0.265625 | 6.7469 | 0.008 | 0.2032 |
| 9/32 | 0.28125 | 7.1437 | 0.009 | 0.2286 |
| 19/64 | 0.296875 | 7.5406 | 0.01 | 0.254 |
| 5/16 | 0.3125 | 7.9375 | 0.02 | 0.508 |
| 21/64 | 0.328125 | 8.3344 | 0.03 | 0.762 |
| 11/32 | 0.34375 | 8.7312 | 0.04 | 1.016 |
| 23/64 | 0.359375 | 9.1281 | 0.05 | 1.270 |
| 3/8 | 0.375 | 9.5250 | 0.06 | 1.524 |
| 25/64 | 0.390625 | 9.9219 | 0.07 | 1.778 |
| 13/32 | 0.40625 | 10.3187 | 0.08 | 2.032 |
| 27/64 | 0.421875 | 10.7156 | 0.09 | 2.286 |
| 7/16 | 0.4375 | 11.1125 | 0.1 | 2.54 |
| 29/64 | 0.453125 | 11.5094 | 0.2 | 5.08 |
| 15/32 | 0.46875 | 11.9062 | 0.3 | 7.62 |
| 31/64 | 0.484375 | 12.3031 | 0.4 | 10.16 |
| 1/2 | 0.5 | 12.7000 | 0.5 | 12.70 |
| 33/64 | 0.515625 | 13.0969 | 0.6 | 15.24 |
| 17/32 | 0.53125 | 13.4937 | 0.7 | 17.78 |
| 35/64 | 0.546875 | 13.8906 | 0.8 | 20.32 |
| 9/16 | 0.5625 | 14.2875 | 0.9 | 22.86 |
| 37/64 | 0.578125 | 14.6844 | 1 | 25.4 |
| 19/32 | 0.59375 | 15.0812 | 2 | 50.8 |
| 39/64 | 0.609375 | 15.4781 | 3 | 76.2 |
| 5/8 | 0.625 | 15.8750 | 4 | 101.6 |
| 41/64 | 0.640625 | 16.2719 | 5 | 127.0 |
| 21/32 | 0.65625 | 16.6687 | 6 | 152.4 |
| 43/64 | 0.671875 | 17.0656 | 7 | 177.8 |
| 11/16 | 0.6875 | 17.4625 | 8 | 203.2 |
| 45/64 | 0.703125 | 17.8594 | 9 | 228.6 |
| 23/32 | 0.71875 | 18.2562 | 10 | 254.0 |
| 47/64 | 0.734375 | 18.6531 | 11 | 279.4 |
| 3/4 | 0.75 | 19.0500 | 12 | 304.8 |
| 49/64 | 0.765625 | 19.4469 | 13 | 330.2 |
| 25/32 | 0.78125 | 19.8437 | 14 | 355.6 |
| 51/64 | 0.796875 | 20.2406 | 15 | 381.0 |
| 13/16 | 0.8125 | 20.6375 | 16 | 406.4 |
| 53/64 | 0.828125 | 21.0344 | 17 | 431.8 |
| 27/32 | 0.84375 | 21.4312 | 18 | 457.2 |
| 55/64 | 0.859375 | 21.8281 | 19 | 482.6 |
| 7/8 | 0.875 | 22.2250 | 20 | 508.0 |
| 57/64 | 0.890625 | 22.6219 | 21 | 533.4 |
| 29/32 | 0.90625 | 23.0187 | 22 | 558.8 |
| 59/64 | 0.921875 | 23.4156 | 23 | 584.2 |
| 15/16 | 0.9375 | 23.8125 | 24 | 609.6 |
| 61/64 | 0.953125 | 24.2094 | 25 | 635.0 |
| 31/32 | 0.96875 | 24.6062 | 26 | 660.4 |
| 63/64 | 0.984375 | 25.0031 | 27 | 690.6 |

# ENGLISH TO METRIC CONVERSION: TORQUE

To convert foot-pounds (ft. lbs.) to Newton-meters: multiply the number of ft. lbs. by 1.3

To convert inch-pounds (in. lbs.) to Newton-meters: multiply the number of in. lbs. by .11

| in lbs | N-m | in lbs | N-m | in lbs | N-m | in lbs | N-m | in lbs | N-m |
|---|---|---|---|---|---|---|---|---|---|
| 0.1 | 0.01 | 1 | 0.11 | 10 | 1.13 | 19 | 2.15 | 28 | 3.16 |
| 0.2 | 0.02 | 2 | 0.23 | 11 | 1.24 | 20 | 2.26 | 29 | 3.28 |
| 0.3 | 0.03 | 3 | 0.34 | 12 | 1.36 | 21 | 2.37 | 30 | 3.39 |
| 0.4 | 0.04 | 4 | 0.45 | 13 | 1.47 | 22 | 2.49 | 31 | 3.50 |
| 0.5 | 0.06 | 5 | 0.56 | 14 | 1.58 | 23 | 2.60 | 32 | 3.62 |
| 0.6 | 0.07 | 6 | 0.68 | 15 | 1.70 | 24 | 2.71 | 33 | 3.73 |
| 0.7 | 0.08 | 7 | 0.78 | 16 | 1.81 | 25 | 2.82 | 34 | 3.84 |
| 0.8 | 0.09 | 8 | 0.90 | 17 | 1.92 | 26 | 2.94 | 35 | 3.95 |
| 0.9 | 0.10 | 9 | 1.02 | 18 | 2.03 | 27 | 3.05 | 36 | 4.0 |