

## 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	Inches	Decimals	Milli-meters	Inches to millimeters inches mm
1/64	0.015625	0.3969	0.0001 0.00254	33/64	0.515625	13.0969	0.6 15.24
1/32	0.03125	0.7937	0.0002 0.00508	17/32	0.53125	13.4937	0.7 17.78
3/64	0.046875	1.1906	0.0003 0.00762	5/16	0.5625	14.2875	0.8 20.32
1/16	0.0625	1.5875	0.0004 0.01016	9/16	0.578125	14.6844	0.9 22.86
3/32	0.078125	1.9844	0.0005 0.01270	19/32	0.59375	15.0812	1 25.4
7/64	0.09375	2.3812	0.0006 0.01524	39/64	0.609375	15.4781	2 50.8
1/8	0.109375	2.7781	0.0007 0.01778	5/8	0.625	15.8750	3 76.2
9/64	0.125	3.1750	0.0008 0.02032	41/64	0.640625	16.2719	4 101.6
5/32	0.140625	3.5719	0.0009 0.02286	21/32	0.65625	16.6687	5 127.0
11/64	0.15625	3.9687	0.001 0.0254	43/64	0.671875	17.0656	6 152.4
3/16	0.171875	4.3656	0.002 0.0508	11/16	0.6875	17.4625	7 177.8
7/32	0.1875	4.7625	0.003 0.0762	23/32	0.703125	17.8594	8 203.2
13/64	0.203125	5.1594	0.004 0.1016	45/64	0.71875	18.2562	9 228.6
15/64	0.21875	5.5562	0.005 0.1270	47/64	0.734375	18.6531	10 254.0
1/4	0.234375	5.9531	0.006 0.1524	3/4	0.75	19.0500	11 279.4
17/64	0.25	6.3500	0.007 0.1778	25/32	0.765625	19.4469	12 304.8
9/32	0.265625	6.7469	0.008 0.2032	51/64	0.78125	19.8437	13 330.2
5/16	0.28125	7.1437	0.009 0.2286	13/16	0.796875	20.2406	14 355.6
19/64	0.296875	7.5406	0.01 0.254	27/32	0.8125	20.6375	15 381.0
11/32	0.3125	7.9375	0.02 0.508	53/64	0.828125	21.0344	16 406.4
21/64	0.328125	8.3344	0.03 0.762	7/8	0.84375	21.4312	17 431.8
23/64	0.34375	8.7312	0.04 1.016	55/64	0.859375	21.8281	18 457.2
3/8	0.359375	9.1281	0.05 1.270	57/64	0.875	22.2250	19 482.6
25/64	0.375	9.5250	0.06 1.524	29/32	0.890625	22.6219	20 508.0
13/32	0.390625	9.9219	0.07 1.778	59/64	0.90625	23.0187	21 533.4
27/64	0.40625	10.3187	0.08 2.032	15/16	0.921875	23.4156	22 558.8
7/16	0.421875	10.7156	0.09 2.286	31/32	0.9375	23.8125	23 584.2
29/64	0.4375	11.1125	0.1 2.54	61/64	0.953125	24.2094	24 609.6
15/32	0.453125	11.5094	0.2 5.08	63/64	0.96875	24.6062	25 635.0
31/64	0.46875	11.9062	0.3 7.62		0.984375	25.0031	26 660.4
1/2	0.484375	12.3031	0.4 10.16				27 690.6
	0.5	12.7000	0.5 12.70				

## 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