



# Technical

## Mathematical Conversions

### Inches to Millimeters

To convert to millimeters: Multiply Inches x 25.4

To convert to inches: Multiply millimeters x .03937

Inches			Inches			Inches			Inches		
Fraction	Decimals	Millimeters	Fraction	Decimals	Millimeters	Fraction	Decimals	Millimeters	Fraction	Decimals	Millimeters
	.00004	.001		.13780	3.5	<sup>19</sup> / <sub>32</sub> "	.59375	15.0812		1.57480	40
	.00039	.01	<sup>1</sup> / <sub>4</sub> "	.14063	3.5719		.600	15.24	<sup>1</sup> / <sub>4</sub> "	1.65354	42
	.00079	.02		.150	3.810	<sup>39</sup> / <sub>64</sub> "	.60938	15.4781		1.750	44.45
	.001	.025	<sup>5</sup> / <sub>32</sub> "	.15625	3.9688		.61024	15.5		1.77170	45
	.00118	.03		.15748	4	<sup>5</sup> / <sub>8</sub> "	.6250	15.875		1.88976	48
	.00157	.04	<sup>1</sup> / <sub>4</sub> "	.17188	4.3656		.62992	16		1.96850	50
	.00197	.05		.1750	4.445	<sup>41</sup> / <sub>64</sub> "	.64063	16.2719	2"	2.000	50.8
	.002	.051		.17717	4.5		.64961	16.5		2.04724	55
	.00236	.06	<sup>3</sup> / <sub>16</sub> "	.18750	4.7625		.650	16.51		2.16540	53
	.00276	.07		.19685	5	<sup>21</sup> / <sub>32</sub> "	.65625	16.6688		2.20472	56
	.003	.0762		.20	5.08		.66929	17	<sup>2</sup> / <sub>4</sub> "	2.250	57.15
	.00315	.08	<sup>13</sup> / <sub>64</sub> "	.20313	5.1594		.67188	17.0656		2.36220	60
	.00354	.09		.21654	5.5	<sup>11</sup> / <sub>16</sub> "	.68750	17.4625	<sup>2</sup> / <sub>4</sub> "	2.500	63.5
	.00394	.1	<sup>7</sup> / <sub>32</sub> "	.21875	5.5562		.68898	17.5		2.51968	64
	.004	.1016		.2250	5.715		.700	17.78	<sup>2</sup> / <sub>4</sub> "	2.750	69.85
	.005	.1270	<sup>15</sup> / <sub>64</sub> "	.23438	5.9531		.70313	17.8594		2.83464	72
	.006	.1524		.23622	6		.70866	18		2.95280	75
	.007	.1778	<sup>1</sup> / <sub>4</sub> "	.250	6.35	<sup>23</sup> / <sub>32</sub> "	.71875	18.2562	3"	3.000	76.2
	.00787	.2		.25591	6.5		.72835	18.5		3.14960	80
	.008	.2032	<sup>17</sup> / <sub>64</sub> "	.26563	6.7469		.73438	18.6531	<sup>3</sup> / <sub>2</sub> "	3.500	88.9
	.009	.2286		.275	6.985	<sup>47</sup> / <sub>64</sub> "	.74803	19		3.54330	90
	.00984	.25		.27559	7		.750	19.050		3.9370	100
	.01	.254	<sup>9</sup> / <sub>32</sub> "	.28125	7.1438		.76563	19.4469	4"	4.000	101.6
	.01181	.3		.29528	7.5	<sup>49</sup> / <sub>64</sub> "	.76772	19.5		4.33070	110
<sup>1</sup> / <sub>64</sub> "	.01563	.3969	<sup>19</sup> / <sub>64</sub> "	.29688	7.5406		.78125	19.8438	<sup>4</sup> / <sub>2</sub> "	4.500	114.3
	.01575	.4		.30	7.62	<sup>25</sup> / <sub>32</sub> "	.78740	20		4.72440	120
	.01969	.5	<sup>5</sup> / <sub>16</sub> "	.3125	7.9375		.79688	20.2406	5"	5.000	127
	.02	.508		.31496	8	<sup>51</sup> / <sub>64</sub> "	.800	20.320		5.51180	140
	.02362	.6	<sup>21</sup> / <sub>64</sub> "	.32813	8.3344		.80709	20.5		5.90550	150
	.025	.635		.33465	8.5	<sup>13</sup> / <sub>16</sub> "	.81250	20.6375	6"	6.000	152.4
	.02756	.7	<sup>11</sup> / <sub>32</sub> "	.34375	8.7312		.82677	21		6.29920	160
	.0295	.75		.350	8.89	<sup>53</sup> / <sub>64</sub> "	.82813	21.0344		7.08660	180
	.03	.762		.35433	9	<sup>27</sup> / <sub>32</sub> "	.84375	21.4312		7.8740	200
<sup>1</sup> / <sub>32</sub> "	.03125	.7938	<sup>23</sup> / <sub>64</sub> "	.35938	9.1281		.84646	21.5	8"	8.000	203.2
	.0315	.8		.37402	9.5		.850	21.590		8.66140	220
	.03543	.9	<sup>3</sup> / <sub>8</sub> "	.375	9.526		.85938	21.8281		9.44880	240
	.03937	1	<sup>25</sup> / <sub>64</sub> "	.39063	9.9219		.86614	22		9.84250	250
	.04	1.016		.39370	10	<sup>7</sup> / <sub>8</sub> "	.875	22.225	10"	10.000	254
<sup>3</sup> / <sub>64</sub> "	.04687	1.191		.400	10.16		.88583	22.5		10.23620	260
	.04724	1.2	<sup>13</sup> / <sub>32</sub> "	.40625	10.3188		.89063	22.6219		11.02360	280
	.05	1.27		.41339	10.5	<sup>57</sup> / <sub>64</sub> "	.900	22.860		11.8110	300
	.05512	1.4	<sup>27</sup> / <sub>64</sub> "	.42188	10.7156		.90551	23	12 (1 ft.)"	12.000	304.8
	.05906	1.5		.43307	11	<sup>29</sup> / <sub>32</sub> "	.90625	23.0188		12.59840	320
	.06	1.524	<sup>7</sup> / <sub>16</sub> "	.43750	11.1125		.92188	23.4156		13.38580	340
<sup>1</sup> / <sub>16</sub> "	.06250	1.5875		.450	11.430	<sup>59</sup> / <sub>64</sub> "	.92520	23.5		13.77950	350
	.06299	1.6		.45276	11.5	<sup>15</sup> / <sub>16</sub> "	.93750	23.8125		14.17320	360
	.06693	1.7	<sup>29</sup> / <sub>64</sub> "	.45313	11.5094		.94488	24		14.96090	380
	.07	1.778	<sup>15</sup> / <sub>32</sub> "	.46875	11.9062		.950	24.130		15.7480	400
	.07087	1.8		.47244	12	<sup>61</sup> / <sub>64</sub> "	.95313	24.2094	16"	16.000	406.4
	.075	1.905	<sup>31</sup> / <sub>64</sub> "	.48438	12.3031		.96457	24.5		17.71650	450
<sup>5</sup> / <sub>64</sub> "	.07813	1.9844		.49213	12.5	<sup>31</sup> / <sub>32</sub> "	.96875	24.6062		19.6850	500
	.07874	2	<sup>1</sup> / <sub>2</sub> "	.50	12.7		.98425	25	20"	20.000	508
	.08	2.032		.51181	13	<sup>63</sup> / <sub>64</sub> "	.98438	25.0031		23.6220	600
	.08661	2.2	<sup>33</sup> / <sub>64</sub> "	.51563	13.0969	1	1.00000	25.4	2 Feet	24.000	609.6
	.09	2.286	<sup>17</sup> / <sub>32</sub> "	.53125	13.4938		1.06229	27	3 Feet	36.000	914.4
	.09055	2.3		.53150	13.5		1.10240	28		39.370	1 Meter
<sup>3</sup> / <sub>32</sub> "	.09375	2.3812	<sup>35</sup> / <sub>64</sub> "	.54688	13.8906		1.18110	30	4 Feet	48.000	1,219.2
	.09843	2.5		.550	13.970		1.250	31.75	5 Feet	60.000	1,524.0
	.1	2.54		.55118	14	<sup>1</sup> / <sub>4</sub> "	1.29921	33	6 Feet	72.000	1,828.8
	.10236	2.6	<sup>9</sup> / <sub>16</sub> "	.56250	14.2875		1.3780	35		78.740	2 Meters
<sup>7</sup> / <sub>64</sub> "	.10937	2.7781		.57087	14.5		1.41732	36	8 Feet	96.000	2,438.4
	.11811	3	<sup>37</sup> / <sub>64</sub> "	.57813	14.6844		1.500	38.1		118.110	3 Meters
<sup>1</sup> / <sub>8</sub> "	.1250	3.175		.59055	15		1.53543	39		196.850	5 Meters