

Imperial (USA) to metric (European) size conversion

To convert inches (imperial) into millimetres (metric) :

Multiply inches by 25.40

<i>3 inch</i>	$\times 25.40 =$	<i>76.20mm</i>	<i>76mm</i>
<i>2-3/4 inch</i>	$\times 25.40 =$	<i>69.85mm</i>	<i>70mm</i>
<i>72 inches</i>	$\times 25.40 =$	<i>1828.80mm</i>	<i>1829mm</i>

To convert millimetres (metric) into inches (imperial) :

Multiply millimetres by 0.03937

<i>96mm</i>	$\times 0.03937 =$	<i>3.779 inches</i>	<i>3-25/32"</i>
<i>300mm</i>	$\times 0.03937 =$	<i>11.811 inches</i>	<i>11-13/16"</i>
<i>1500mm</i>	$\times 0.03937 =$	<i>59.055 inches</i>	<i>59-3/64"</i>

Metric (mm)	Imperial (inch)	
1	0.0394	1/16
10	0.3937	25/64
12	0.4724	15/32
16	0.6299	5/8
19	0.7480	3/4
25	0.9843	1
30	1.1811	1-3/16
32	1.2598	1-17/64
38	1.4961	1-1/2
43	1.6929	1-11/16
45	1.7717	1-25/32
50	1.9685	1-31/32
52	2.0472	2-3/64
57	2.2441	2-1/4
60	2.3622	2-3/8
64	2.5197	2-33/64
70	2.7559	2-3/4
72	2.8346	2-27/32
80	3.1496	3-5/32
85	3.3465	3-11/32
90	3.5433	3-35/64
92	3.6220	3-5/8

Metric (mm)	Imperial (inch)	
96	3.7795	3-25/32
100	3.9370	3-15/16
128	5.0394	5-3/64
152	5.9842	5-31/32
160	6.2992	6-19/64
178	7.0079	7
192	7.5590	7-9/16
200	7.8740	7-7/8
216	8.5039	8-1/2
240	9.4488	9-29/64
280	11.0236	11-1/32
300	11.8110	11-13/16
305	12.0079	12
350	13.7795	13-25/32
400	15.7480	15-3/4
500	19.6850	19-11/16
600	23.6220	23-5/8
620	24.4094	24-13/32
1000	39.3700	39-3/8
1120	44.0944	44-3/32
1500	59.0550	59-3/64
1620	63.7794	63-25/32

If quoting hole centres or other critical dimensions ALWAYS quote the metric dimension to ensure drilling is accurate.

All fractional sizes are rounded to nearest 1/64 of an inch.