

# Metric to Imperial Conversion



This chart helps you convert imperial fractions to metric dimensions (in millimeters). It is useful for estimating the metric dimensions of imperial bolts, screws and nuts, so that you can use the correct drills and tolerances.

Metric Length	Decimal Equivalent	Closest Imperial Size	Decimal Equivalent
3	0.1181	1/8	0.1250
4	0.1575	5/32	0.1562
5	0.1968	3/16	0.1875
6	0.2362	1/4	0.2500
8	0.3149	5/16	0.3125
10	0.3937	3/8	0.3750
12	0.4724	1/2	0.5000
16	0.6299	5/8	0.6250
20	0.7874	3/4	0.7500
25	0.9842	1	1.0000
30	1.1811	1-1/4	1.2500
35	1.3799	1-3/8	1.3750
40	1.5748	1-1/2	1.5000
45	1.7716	1-3/4	1.7500
50	1.9685	2	2.0000
55	2.1654	2-1/4	2.2500
65	2.5590	2-1/2	2.5000
70	2.7559	2-3/4	2.7500
75	2.9527	3	3.0000
80	3.1496	3-1/4	3.2500
90	3.5433	3-1/2	3.5000
100	3.9370	4	4.0000
110	4.3307	4-1/2	4.5000
120	4.7244	4-3/4	4.7500
130	5.1181	5	5.0000
140	5.5118	5-1/2	5.5000
150	5.9055	6	6.0000
160	6.2976	6-1/2	6.5000
175	6.8897	7	7.0000
190	7.4803	7-1/2	7.0000
200	7.8740	8	8.0000

Imperial Fraction	Millimetres	Decimal Equivalent
1/16	1.6	0.06
5/64	2.0	0.08
3/32	2.4	0.09
1/8	3.2	0.13
9/64	3.6	0.14
5/32	4.0	0.16
3/16	4.8	0.19
7/32	5.6	0.22
1/4	6.4	0.25
5/16	7.9	0.31
3/8	9.5	0.38
7/16	11.1	0.44
1/2	12.7	0.50
9/16	14.3	0.56
5/8	15.9	0.63
11/16	17.5	0.69
3/4	19.1	0.75
13/16	20.6	0.81
7/8	22.2	0.88
15/16	23.8	0.94
1	25.4	1
1-1/16	27.0	1.06
1-1/8	28.6	1.13
1-3/16	30.2	1.19
1-1/4	31.8	1.25
1-3/8	34.9	1.38
1-1/2	38.1	1.50
1-9/16	39.7	1.56
1-5/8	41.3	1.63
1-3/4	44.5	1.75
1-7/8	47.6	1.88
2	50.8	2
2-1/4	57.2	2.25
2-1/2	63.5	2.50
2-3/4	69.9	2.75
3	76.2	3
3-1/4	82.6	3.25
3-1/2	88.9	3.50
3-3/4	95.3	3.75
4	101.6	4
4-1/4	108.0	4.25
4-1/2	114.3	4.50
4-3/4	120.7	4.75
5	127.0	5

<sup>i</sup> The data provided in this document is for general guidance only and should not be solely relied upon when working to stringent specifications. We recommend consulting with qualified experts regarding any technical queries. This information may change without written notice.