

MM to Inches Chart

1 mm to 100 mm. Decimal inches rounded to 3 places. Fractions are the nearest 1/16" and 1/32": + the mm value is slightly longer, - slightly shorter, = exact.

mm	inches	≈ 1/16"	≈ 1/32"
1 mm	0.039	1/16" -	1/32" +
2 mm	0.079	1/16" +	3/32" -
3 mm	0.118	1/8" -	1/8" -
4 mm	0.157	3/16" -	5/32" +
5 mm	0.197	3/16" +	3/16" +
6 mm	0.236	1/4" -	1/4" -
7 mm	0.276	1/4" +	9/32" -
8 mm	0.315	5/16" +	5/16" +
9 mm	0.354	3/8" -	11/32" +
10 mm	0.394	3/8" +	13/32" -
11 mm	0.433	7/16" -	7/16" -
12 mm	0.472	1/2" -	15/32" +
13 mm	0.512	1/2" +	1/2" +
14 mm	0.551	9/16" -	9/16" -
15 mm	0.591	9/16" +	19/32" -
16 mm	0.63	5/8" +	5/8" +
17 mm	0.669	11/16" -	21/32" +
18 mm	0.709	11/16" +	23/32" -
19 mm	0.748	3/4" -	3/4" -
20 mm	0.787	13/16" -	25/32" +
21 mm	0.827	13/16" +	13/16" +
22 mm	0.866	7/8" -	7/8" -
23 mm	0.906	7/8" +	29/32" -
24 mm	0.945	15/16" +	15/16" +
25 mm	0.984	1" -	31/32" +
26 mm	1.024	1" +	1 1/32" -
27 mm	1.063	1 1/16" +	1 1/16" +
28 mm	1.102	1 1/8" -	1 3/32" +
29 mm	1.142	1 1/8" +	1 5/32" -
30 mm	1.181	1 3/16" -	1 3/16" -
31 mm	1.22	1 1/4" -	1 7/32" +
32 mm	1.26	1 1/4" +	1 1/4" +
33 mm	1.299	1 5/16" -	1 5/16" -
34 mm	1.339	1 5/16" +	1 11/32" -
35 mm	1.378	1 3/8" +	1 3/8" +
36 mm	1.417	1 7/16" -	1 13/32" +
37 mm	1.457	1 7/16" +	1 15/32" -
38 mm	1.496	1 1/2" -	1 1/2" -
39 mm	1.535	1 9/16" -	1 17/32" +
40 mm	1.575	1 9/16" +	1 9/16" +
41 mm	1.614	1 5/8" -	1 5/8" -
42 mm	1.654	1 5/8" +	1 21/32" -
43 mm	1.693	1 11/16" +	1 11/16" +
44 mm	1.732	1 3/4" -	1 23/32" +
45 mm	1.772	1 3/4" +	1 25/32" -
46 mm	1.811	1 13/16" -	1 13/16" -
47 mm	1.85	1 7/8" -	1 27/32" +
48 mm	1.89	1 7/8" +	1 7/8" +
49 mm	1.929	1 15/16" -	1 15/16" -
50 mm	1.969	1 15/16" +	1 31/32" -
51 mm	2.008	2" +	2" +
52 mm	2.047	2 1/16" -	2 1/16" -
53 mm	2.087	2 1/16" +	2 3/32" -
54 mm	2.126	2 1/8" +	2 1/8" +
55 mm	2.165	2 3/16" -	2 5/32" +
56 mm	2.205	2 3/16" +	2 7/32" -
57 mm	2.244	2 1/4" -	2 1/4" -
58 mm	2.283	2 5/16" -	2 9/32" +
59 mm	2.323	2 5/16" +	2 5/16" +
60 mm	2.362	2 3/8" -	2 3/8" -
61 mm	2.402	2 3/8" +	2 13/32" -
62 mm	2.441	2 7/16" +	2 7/16" +
63 mm	2.48	2 1/2" -	2 15/32" +
64 mm	2.52	2 1/2" +	2 17/32" -
65 mm	2.559	2 9/16" -	2 9/16" -
66 mm	2.598	2 5/8" -	2 19/32" +
67 mm	2.638	2 5/8" +	2 5/8" +
68 mm	2.677	2 11/16" -	2 11/16" -
69 mm	2.717	2 11/16" +	2 23/32" -
70 mm	2.756	2 3/4" +	2 3/4" +
71 mm	2.795	2 13/16" -	2 25/32" +
72 mm	2.835	2 13/16" +	2 27/32" -
73 mm	2.874	2 7/8" -	2 7/8" -
74 mm	2.913	2 15/16" -	2 29/32" +
75 mm	2.953	2 15/16" +	2 15/16" +
76 mm	2.992	3" -	3" -
77 mm	3.031	3 1/16" -	3 1/32" +
78 mm	3.071	3 1/16" +	3 1/16" +
79 mm	3.11	3 1/8" -	3 1/8" -
80 mm	3.15	3 1/8" +	3 5/32" -
81 mm	3.189	3 3/16" +	3 3/16" +
82 mm	3.228	3 1/4" -	3 7/32" +
83 mm	3.268	3 1/4" +	3 9/32" -
84 mm	3.307	3 5/16" -	3 5/16" -
85 mm	3.346	3 3/8" -	3 11/32" +
86 mm	3.386	3 3/8" +	3 3/8" +
87 mm	3.425	3 7/16" -	3 7/16" -
88 mm	3.465	3 7/16" +	3 15/32" -
89 mm	3.504	3 1/2" +	3 1/2" +
90 mm	3.543	3 9/16" -	3 17/32" +
91 mm	3.583	3 9/16" +	3 19/32" -
92 mm	3.622	3 5/8" -	3 5/8" -
93 mm	3.661	3 11/16" -	3 21/32" +
94 mm	3.701	3 11/16" +	3 11/16" +
95 mm	3.74	3 3/4" -	3 3/4" -
96 mm	3.78	3 3/4" +	3 25/32" -
97 mm	3.819	3 13/16" +	3 13/16" +
98 mm	3.858	3 7/8" -	3 27/32" +
99 mm	3.898	3 7/8" +	3 29/32" -
100 mm	3.937	3 15/16" -	3 15/16" -

Inch Fractions to MM

Every 1/64" from 1/64" to 1". These values are exact, because 1 inch is defined as exactly 25.4 mm.

inches	decimal in	mm (exact)	inches	decimal in	mm (exact)
1/64"	0.015625	0.396875	33/64"	0.515625	13.096875
1/32"	0.03125	0.79375	17/32"	0.53125	13.49375
3/64"	0.046875	1.190625	35/64"	0.546875	13.890625
1/16"	0.0625	1.5875	9/16"	0.5625	14.2875
5/64"	0.078125	1.984375	37/64"	0.578125	14.684375
3/32"	0.09375	2.38125	19/32"	0.59375	15.08125
7/64"	0.109375	2.778125	39/64"	0.609375	15.478125
1/8"	0.125	3.175	5/8"	0.625	15.875
9/64"	0.140625	3.571875	41/64"	0.640625	16.271875
5/32"	0.15625	3.96875	21/32"	0.65625	16.66875
11/64"	0.171875	4.365625	43/64"	0.671875	17.065625
3/16"	0.1875	4.7625	11/16"	0.6875	17.4625
13/64"	0.203125	5.159375	45/64"	0.703125	17.859375
7/32"	0.21875	5.55625	23/32"	0.71875	18.25625
15/64"	0.234375	5.953125	47/64"	0.734375	18.653125
1/4"	0.25	6.35	3/4"	0.75	19.05
17/64"	0.265625	6.746875	49/64"	0.765625	19.446875
9/32"	0.28125	7.14375	25/32"	0.78125	19.84375
19/64"	0.296875	7.540625	51/64"	0.796875	20.240625
5/16"	0.3125	7.9375	13/16"	0.8125	20.6375
21/64"	0.328125	8.334375	53/64"	0.828125	21.034375
11/32"	0.34375	8.73125	27/32"	0.84375	21.43125
23/64"	0.359375	9.128125	55/64"	0.859375	21.828125
3/8"	0.375	9.525	7/8"	0.875	22.225
25/64"	0.390625	9.921875	57/64"	0.890625	22.621875
13/32"	0.40625	10.31875	29/32"	0.90625	23.01875
27/64"	0.421875	10.715625	59/64"	0.921875	23.415625
7/16"	0.4375	11.1125	15/16"	0.9375	23.8125
29/64"	0.453125	11.509375	61/64"	0.953125	24.209375
15/32"	0.46875	11.90625	31/32"	0.96875	24.60625
31/64"	0.484375	12.303125	63/64"	0.984375	25.003125
1/2"	0.5	12.7	1"	1	25.4