Wrench and Socket Sizes, Inch and Metric

Every common inch and metric wrench size with its exact size in the other system and the closest match. Always use the size made for the fastener.

INCH SIZES

INCH SIZE	IN MM	CLOSEST METRIC	DIFFERENCE MM
1/4"	6.35	6 mm	−0.35
5/16"	7.94	8 mm	+0.06
11/32"	8.73	9 mm	+0.27
3/8"	9.52	10 mm	+0.48
7/16"	11.11	11 mm	−0.11
1/2"	12.70	13 mm	+0.30
9/16"	14.29	14 mm	−0.29
19/32"	15.08	15 mm	−0.08
5/8"	15.88	16 mm	+0.12
11/16"	17.46	17 mm	−0.46
3/4"	19.05	19 mm	−0.05
13/16"	20.64	21 mm	+0.36
7/8"	22.22	22 mm	−0.22
15/16"	23.81	24 mm	+0.19
1"	25.40	25 mm	−0.40
1 1/16"	26.99	27 mm	+0.01
1 1/8"	28.57	29 mm	+0.43
1 3/16"	30.16	30 mm	−0.16
1 1/4"	31.75	32 mm	+0.25
1 5/16"	33.34	34 mm	+0.66
1 3/8"	34.92	34 mm	−0.92
1 7/16"	36.51	36 mm	−0.51
1 1/2"	38.10	38 mm	−0.10

METRIC SIZES

METRIC SIZE	IN INCHES	CLOSEST INCH	DIFFERENCE MM
4 mm	.1575	1/4"	+2.35
5 mm	.1969	1/4"	+1.35
5.5 mm	.2165	1/4"	+0.85
6 mm	.2362	1/4"	+0.35
7 mm	.2756	1/4"	−0.65
8 mm	.3150	5/16"	−0.06
9 mm	.3543	11/32"	−0.27
10 mm	.3937	3/8"	−0.48
11 mm	.4331	7/16"	+0.11
12 mm	.4724	1/2"	+0.70
13 mm	.5118	1/2"	−0.30
14 mm	.5512	9/16"	+0.29
15 mm	.5906	19/32"	+0.08
16 mm	.6299	5/8"	−0.12
17 mm	.6693	11/16"	+0.46
18 mm	.7087	11/16"	−0.54
19 mm	.7480	3/4"	+0.05
20 mm	.7874	13/16"	+0.64
21 mm	.8268	13/16"	−0.36
22 mm	.8661	7/8"	+0.22
23 mm	.9055	7/8"	−0.78
24 mm	.9449	15/16"	−0.19
25 mm	.9843	1"	+0.40
26 mm	1.0236	1"	−0.60
27 mm	1.0630	1 1/16"	−0.01
28 mm	1.1024	1 1/8"	+0.57
29 mm	1.1417	1 1/8"	−0.43
30 mm	1.1811	1 3/16"	+0.16
32 mm	1.2598	1 1/4"	−0.25
34 mm	1.3386	1 5/16"	−0.66
36 mm	1.4173	1 7/16"	+0.51
38 mm	1.4961	1 1/2"	+0.10
41 mm	1.6142	1 1/2"	−2.90

A size comparison, not a substitute. Use the wrench or socket made for the fastener: inch on inch heads, metric on metric heads. A size from the other system can slip and round the head or skin your knuckles, even when the numbers look close. In the difference column, + means the closest size is bigger and − means it is smaller and will not go on.