

## SAE to Metric Conversion Chart

SAE Size	Metric Size	Inches (decimal)	Notes
<b>5/32"</b>		0.156	5/32" and 4mm are close enough
	<b>4mm</b>	0.157	
	4.5mm	0.177	
3/16"		0.188	
	5mm	0.197	
	5.5mm	0.216	
7/32"		0.219	
	6mm	0.236	
1/4"		0.250	
	6.5mm	0.256	
	7mm	0.276	
9/32"		0.281	
<b>5/16"</b>		0.313	5/16" and 8mm are close enough
	<b>8mm</b>	0.315	
11/32"			
	9mm	0.354	
3/8"		0.375	
	10mm	0.394	
13/32"		0.406	
	<b>11mm</b>	0.433	7/16" and 11mm are close enough
<b>7/16"</b>		0.438	
<b>15/32"</b>		0.469	15/32" and 12mm are close enough
	<b>12mm</b>	0.472	
1/2"		0.500	
	13mm	0.512	
17/32"		0.531	
	14mm	0.551	
9/16"		0.563	
	<b>15mm</b>	0.591	19/32" and 15mm are close enough
<b>19/32"</b>		0.594	
5/8"		0.625	
	16mm	0.630	

SAE Size	Metric Size	Inches (decimal)	Notes
21/32"		0.656	
	17mm	0.669	
11/16"		0.688	
	18mm	0.709	
23/32"		0.719	
	<b>19mm</b>	0.748	3/4" and 19mm are close enough
<b>3/4"</b>		0.750	
25/32"		0.781	
	20mm	0.787	
13/16"		0.813	
	21mm	0.827	
27/32"		0.844	
	22mm	0.866	
7/8"		0.875	
	<b>23mm</b>	0.906	29/32" and 23mm are close enough
<b>29/32"</b>		0.906	
15/16"		0.938	
	24mm	0.945	
1"		1.000	



## Common Metric Socket Sizes

1/4" Drive	3/8" Drive	1/2" Drive	3/4" Drive	1" Drive
4mm	5.5mm	8mm	19mm	36mm
4.5mm	6mm	9mm	20mm	38mm
5mm	7mm	10mm	21mm	41mm
5.5mm	8mm	11mm	22mm	46mm
6mm	9mm	12mm	23mm	50mm
7mm	10mm	13mm	24mm	54mm
8mm	11mm	14mm	25mm	55mm
9mm	12mm	15mm	26mm	58mm
10mm	13mm	16mm	27mm	60mm
11mm	14mm	17mm	28mm	63mm
12mm	15mm	18mm	29mm	65mm
13mm	16mm	19mm	30mm	67mm
14mm	17mm	20mm	31mm	70mm
15mm	18mm	21mm	32mm	71mm
	19mm	22mm	33mm	75mm
	20mm	23mm	34mm	77mm
	21mm	24mm	35mm	80mm
	22mm	25mm	36mm	
		26mm	38mm	
		27mm	40mm	
		28mm	41mm	
		30mm	42mm	



## Common SAE Socket Sizes

1/4" Drive	3/8" Drive	1/2" Drive	3/4" Drive	1" Drive
5/32"	1/4"	3/8"	7/8"	1-5/8"
3/16"	5/16"	7/16"	15/16"	1-11/16"
7/32"	3/8"	1/2"	1"	1-3/4"
1/4"	7/16"	9/16"	1-1/16"	1-13/16"
9/32"	1/2"	19/32"	1-1/8"	1-7/8"
5/16"	9/16"	5/8"	1-3/16"	2"
11/32"	5/8"	21/32"	1-1/4"	2-1/8"
3/8"	11/16"	11/16"	1-5/16"	2-3/16"
7/16"	3/4"	3/4"	1-3/8"	2-1/4"
1/2"	13/16"	25/32"	1-7/16"	2-3/8"
9/16"	7/8"	13/16"	1-1/2"	2-1/2"
	15/16"	7/8"	1-5/8"	2-5/8"
	1"	15/16"	1-11/16"	2-3/4"
		1"	1-3/4"	2-15/16"
		1-1/16"	1-13/16"	3"
		1-1/8"	1-7/8"	3-1/8"
		1-3/16"	2"	
		1-1/4"	2-1/8"	
		1-1/2"	2-3/16"	
			2-1/4"	



## Wrench Size Chart for Bolts

Bolt Diameter	Wrench Size (SAE)	Wrench Size (Metric)
1/8"	5/16"	8mm
3/16"	3/8"	10mm
1/4"	7/16"	11mm
5/16"	1/2"	13mm
3/8"	9/16"	15mm
7/16"	5/8"	16mm
1/2"	3/4"	19mm
9/16"	13/16"	21mm
5/8"	15/16"	24mm
3/4"	1-1/8"	29mm
7/8"	1-5/16"	34mm
1"	1-1/2"	38mm
1-1/8"	1-11/16"	43mm
1-1/4"	1-7/8"	48mm
1-3/8"	2-1/16"	53mm
1-1/2"	2-1/4"	58mm
1-5/8"	2-7/16"	62mm
1-3/4"	2-5/8"	67mm
1-7/8"	2-13/16"	72mm
2"	3"	77mm
2-1/4"	3-3/8"	86mm
2-1/2"	3-3/4"	96mm
2-3/4"	4-1/8"	105mm
3"	4-1/2"	115mm