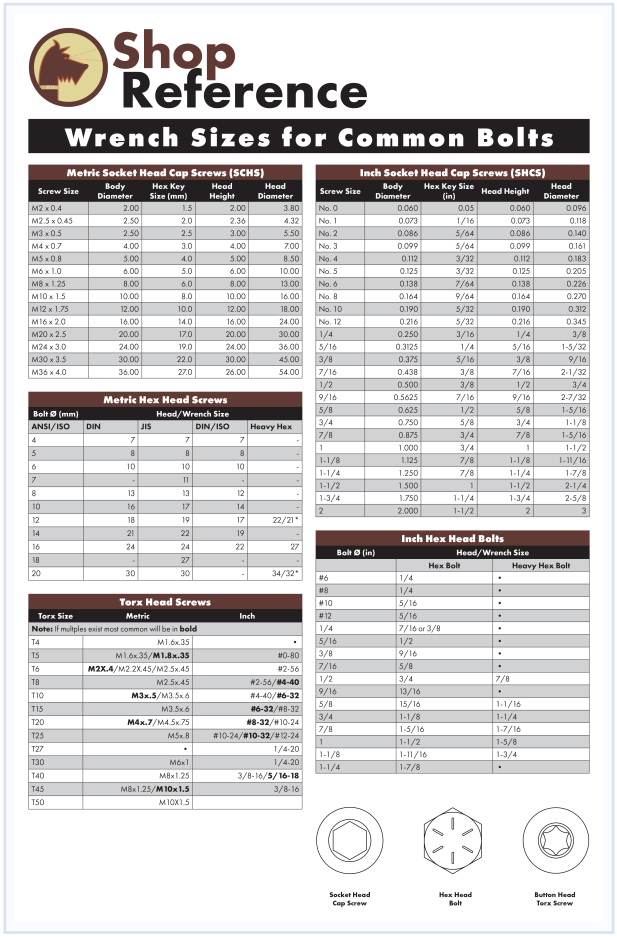
How to Read a Wrench Size Chart?

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Shop Reference

Wrench Sizes for Common Bolts

Metric Socket Head Cap Screws (SCHS)

Screw Size	Body Diameter	Hex Key Size (mm)	Head Height	Head Diameter
M2 x 0.4	2.00	1.5	2.00	3.80
M2.5 x 0.45	2.50	2.0	2.36	4.32
M3 x 0.5	2.50	2.5	3.00	5.50
M4 x 0.7	4.00	3.0	4.00	7.00
M5 x 0.8	5.00	4.0	5.00	8.50
M6 x 1.0	6.00	5.0	6.00	10.00
M8 x 1.25	8.00	6.0	8.00	13.00
M10 x 1.5	10.00	8.0	10.00	16.00
M12 x 1.75	12.00	10.0	12.00	18.00
M16 x 2.0	16.00	14.0	16.00	24.00
M20 x 2.5	20.00	17.0	20.00	30.00
M24 x 3.0	24.00	19.0	24.00	36.00
M30 x 3.5	30.00	22.0	30.00	45.00
M36 x 4.0	36.00	27.0	26.00	54.00

Inch Socket Head Cap Screws (SHCS)

Screw Size	Body Diameter	Hex Key Size (in)	Head Height	Head Diameter
No. 0	0.060	0.05	0.060	0.096
No. 1	0.073	1/16	0.073	0.118
No. 2	0.086	5/64	0.086	0.140
No. 3	0.099	5/64	0.099	0.161
No. 4	0.112	3/32	0.112	0.183
No. 5	0.125	3/32	0.125	0.205
No. 6	0.138	7/64	0.138	0.226
No. 8	0.164	9/64	0.164	0.270
No. 10	0.190	5/32	0.190	0.312
No. 12	0.216	5/32	0.216	0.345
1/4	0.250	3/16	1/4	3/8
5/16	0.3125	1/4	5/16	1-5/32
3/8	0.375	5/16	3/8	9/16
7/16	0.438	3/8	7/16	2-1/32
1/2	0.500	3/8	1/2	3/4
9/16	0.5625	7/16	9/16	2-7/32
5/8	0.625	1/2	5/8	1-5/16
3/4	0.750	5/8	3/4	1-1/8
7/8	0.875	3/4	7/8	1-5/16
1	1.000	3/4	1	1-1/2
1-1/8	1.125	7/8	1-1/8	1-11/16
1-1/4	1.250	7/8	1-1/4	1-7/8
1-1/2	1.500	1	1-1/2	2-1/4
1-3/4	1.750	1-1/4	1-3/4	2-5/8
2	2.000	1-1/2	2	3

Metric Hex Head Screws

Bolt Ø (mm)	Head/Wrench Size			
ANSI/ISO	DIN	JIS	DIN/ISO	Heavy Hex
4	7	7	7	-
5	8	8	8	-
6	10	10	10	-
7	-	11	-	-
8	13	13	12	-
10	16	17	14	-
12	18	19	17	22/21*
14	21	22	19	-
16	24	24	22	27
18	-	27	-	-
20	30	30	-	34/32*

Inch Hex Head Bolts

Bolt Ø (in)	Head/Wrench Size	
	Hex Bolt	Heavy Hex Bolt
#6	1/4	•
#8	1/4	•
#10	5/16	•
#12	5/16	•
1/4	7/16 or 3/8	•
5/16	1/2	•
3/8	9/16	•
7/16	5/8	•
1/2	3/4	7/8
9/16	13/16	•
5/8	15/16	1-1/16
3/4	1-1/8	1-1/4
7/8	1-5/16	1-7/16
1	1-1/2	1-5/8
1-1/8	1-11/16	1-3/4
1-1/4	1-7/8	•

Torx Head Screws

Torx Size	Metric	Inch
Note: If multiples exist most common will be in **bold**		
T4	M1.6x.35	•
T5	M1.6x.35/**M1.8x.35**	#0-80
T6	**M2X.4**/M2.2X.45/M2.5x.45	#2-56
T8	M2.5x.45	#2-56/**#4-40**
T10	**M3x.5**/M3.5x.6	#4-40/**#6-32**
T15	M3.5x.6	**#6-32**/#8-32
T20	**M4x.7**/M4.5x.75	**#8-32**/#10-24
T25	M5x.8	#10-24/**#10-32**/#12-24
T27	•	1/4-20
T30	M6x1	1/4-20
T40	M8x1.25	3/8-16/**5/16-18**
T45	M8x1.25/**M10x1.5**	3/8-16
T50	M10X1.5	

Socket Head Cap Screw | Hex Head Bolt | Button Head Torx Screw

Printing & Usage Overview

Many folks assume that a wrench size chart is a complex, intimidating tool, but it's actually a simple and handy reference guide. While it may seem like a foreign language at first, with a few key insights, you'll be reading and using it like a pro in no time. This chart is your go-to for quickly finding the right wrench size, whether you're working with metric or imperial measurements. It's a straightforward visual aid, yet its values can vary depending on the standard or region, so it's a good idea to familiarize yourself with the specific chart you're using. Understanding the Chart: A Quick Overview The wrench size chart is a handy reference tool for anyone working with wrenches or spanners. It provides a quick and easy way to determine the correct size and type of wrench needed for a specific job. This chart is a valuable resource for both professionals and DIY enthusiasts, ensuring you select the right tool for the

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