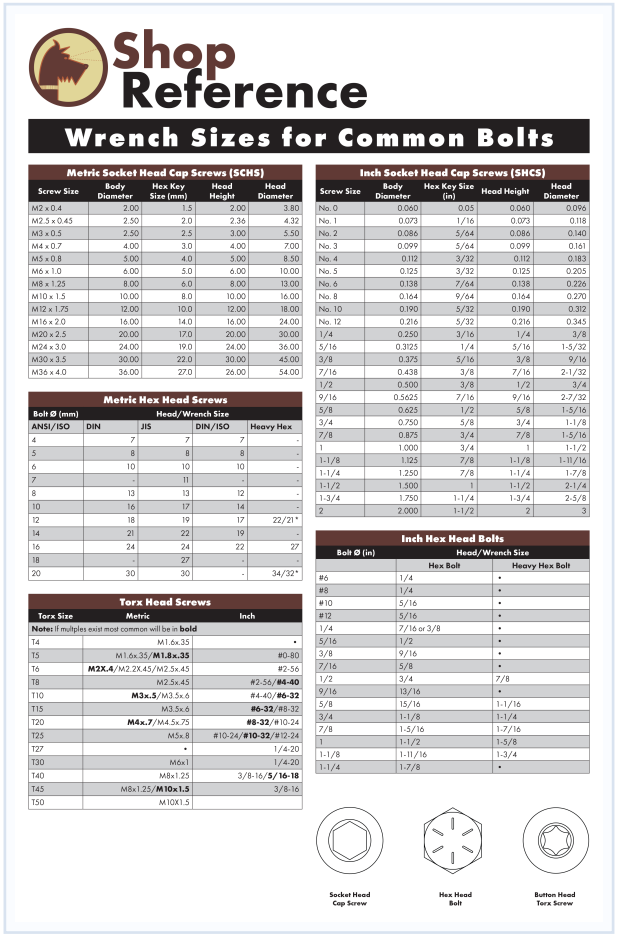
What's the Right Bolt Size? A Quick Chart Guide

Free Printable Preview | 39+ High-Resolution Sheets Available



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

A bolt size chart is a handy tool for anyone working with bolts and fasteners. It's a simple yet effective way to ensure you're using the right size and type of bolt for your project. This guide will cover the basics of reading and using a bolt size chart, so you can tackle any fastening task with confidence. These charts provide a quick reference for bolt dimensions, including length, diameter, and thread pitch. While the values may vary depending on the standard and region, a good chart will offer a clear and organized layout, making it easy to identify the bolt you need. Understanding Bolt Size Charts Bolt size charts are your practical guide to choosing the right bolt for any project. These charts provide a quick reference to help you match the bolt's size and specifications to your needs. It's like having a map to navigate the world of fasteners! Key Details and Units A bolt size chart typically includes essential

Get All 39+ High-Resolution Printable Sheets (Free):

https://sandbox.independent.com/bolt-size-chart

Personal & classroom use only. Set printer scale to Actual Size for best clarity.