FREE CALCULATOR

Bolt and thread size chart: inch and metric thread pitch

Inch and metric bolt sizes with their diameters, coarse and fine thread pitch and wrench size, and a calculator that names a bolt from its measured diameter and threads.

CHART

Inch bolt sizes and threads per inch

SIZE	MAJOR DIAMETER (IN)	MAJOR DIAMETER (MM)	UNC (COARSE) TPI	UNF (FINE) TPI	WREN
#4	0.1120	2.8448	40	48	-
#6	0.1380	3.5052	32	40	-
#8	0.1640	4.1656	32	36	-
#10	0.1900	4.8260	24	32	-
#12	0.2160	5.4864	24	28	-
1/4 in	0.2500	6.3500	20	28	7/16
5/16 in	0.3125	7.9375	18	24	1/2 in
3/8 in	0.3750	9.5250	16	24	9/16
7/16 in	0.4375	11.1125	14	20	5/8 in
1/2 in	0.5000	12.7000	13	20	3/4 in
9/16 in	0.5625	14.2875	12	18	13/16
5/8 in	0.6250	15.8750	11	18	15/16
3/4 in	0.7500	19.0500	10	16	1-1/8
7/8 in	0.8750	22.2250	9	14	1-5/1

SIZE	MAJOR DIAMETER (IN)	MAJOR DIAMETER (MM)	UNC (COARSE) TPI	UNF (FINE) TPI	WREN
1 in	1.0000	25.4000	8	12	1-1/2
1-1/8 in	1.1250	28.5750	7	12	1-11/1
1-1/4 in	1.2500	31.7500	7	12	1-7/8
1-3/8 in	1.3750	34.9250	6	12	-
1-1/2 in	1.5000	38.1000	6	12	2-1/4

CHART

Metric bolt sizes and thread pitch

SIZE	COARSE PITCH (MM)	FINE PITCH (MM)	WRENCH, ISO (MM)
M2	0.4	0.25	-
M2.5	0.45	0.35	-
M3	0.5	0.35	5.5
M4	0.7	0.5	7
M5	0.8	0.5	8
M6	1	0.75	10
M8	1.25	1 or 0.75	13
M10	1.5	1.25 or 1	16
M12	1.75	1.5 or 1.25	18
M14	2	1.5	21
M16	2	1.5	24
M18	2.5	2 or 1.5	27
M20	2.5	2 or 1.5	30
M22	2.5	2 or 1.5	34
M24	3	2	36

SIZE	COARSE PITCH (MM)	FINE PITCH (MM)	WRENCH, ISO (MM)
M27	3	2	41
M30	3.5	2	46

Free chart from fleetzap.com/tools/bolt-size-chart