Thread Pitch Chart

Threads per inch for UNC, UNF and UNEF screws and bolts; pitch in millimetres for metric threads (coarse and fine).

Inch threads: threads per inch (TPI)

SIZE	MAJOR DIA. IN	MAJOR DIA. MM	UNC	UNF	UNEF
#0	0.0600	1.52	–	80	–
#1	0.0730	1.85	64	72	–
#2	0.0860	2.18	56	64	–
#3	0.0990	2.51	48	56	–
#4	0.1120	2.84	40	48	–
#5	0.1250	3.18	40	44	–
#6	0.1380	3.51	32	40	–
#8	0.1640	4.17	32	36	–
#10	0.1900	4.83	24	32	–
#12	0.2160	5.49	24	28	32
1/4	0.2500	6.35	20	28	32
5/16	0.3125	7.94	18	24	32
3/8	0.3750	9.53	16	24	32
7/16	0.4375	11.11	14	20	28
1/2	0.5000	12.70	13	20	28
9/16	0.5625	14.29	12	18	24
5/8	0.6250	15.88	11	18	24
11/16	0.6875	17.46	–	–	24
3/4	0.7500	19.05	10	16	20
13/16	0.8125	20.64	–	–	20
7/8	0.8750	22.23	9	14	20
15/16	0.9375	23.81	–	–	20
1	1.0000	25.40	8	12	20
1-1/16	1.0625	26.99	–	–	18
1-1/8	1.1250	28.58	7	12	18
1-3/16	1.1875	30.16	–	–	18
1-1/4	1.2500	31.75	7	12	18
1-5/16	1.3125	33.34	–	–	18
1-3/8	1.3750	34.93	6	12	18
1-7/16	1.4375	36.51	–	–	18
1-1/2	1.5000	38.10	6	12	18

Scan for the interactive version:

whatsizeis.com/thread-pitch-chart/

TPI per ASME B1.1 (UNC, UNF, UNEF); metric pitches per ISO 261 / ISO 68-1. Pitch in mm = 25.4 / TPI (1 in = 25.4 mm exactly). Method: whatsizeis.com/how-we-calculate/

Thread Pitch Chart (continued)

Metric threads: pitch in mm

SIZE	MAJOR DIA. MM	COARSE PITCH	FINE PITCHES
M1	1.00	0.25	–
M1.2	1.20	0.25	–
M1.4	1.40	0.3	–
M1.6	1.60	0.35	–
M2	2.00	0.4	–
M2.5	2.50	0.45	–
M3	3.00	0.5	–
M3.5	3.50	0.6	–
M4	4.00	0.7	0.5
M5	5.00	0.8	0.5
M6	6.00	1	–
M8	8.00	1.25	1
M10	10.00	1.5	1.25, 1
M12	12.00	1.75	1.5, 1.25, 1
M14	14.00	2	1.5, 1
M16	16.00	2	1.5, 1
M18	18.00	2.5	2, 1.5, 1
M20	20.00	2.5	2, 1.5, 1
M22	22.00	2.5	2, 1.5, 1
M24	24.00	3	2, 1.5, 1
M27	27.00	3	2, 1.5
M30	30.00	3.5	2, 1.5, 1
M33	33.00	3.5	2
M36	36.00	4	1.5
M39	39.00	4	–
M42	42.00	4.5	–
M45	45.00	4.5	–
M48	48.00	5	–



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whatsizeis.com/thread-pitch-chart/

TPI per ASME B1.1 (UNC, UNF, UNEF); metric pitches per ISO 261 / ISO 68-1. Pitch in mm = 25.4 / TPI (1 in = 25.4 mm exactly). Method: whatsizeis.com/how-we-calculate/