

Thread Size & Pitch Comparison Table



This resource contains dimensions for threads and pitches for different threaded fasteners. There is data for both metric and imperial threads, and for both coarse and fine threaded fasteners.

Metric Threads				Imperial Threads							
Size	Standard Pitch mm	Fine Pitch mm	Extra Fine Pitch mm	Major Ø, mm	Size	UNC	UNF	UNS	UN8	BSW	Major Ø inch
M1.6	0.35			1.60							0.041
M2	0.40			2.00							0.079
M2.5	0.45			2.50							0.98
M3	0.50			3.00							0.118
				3.18	(#5) 1/8	40	44			40	0.125
				3.51	#6	32	40				0.138
M4	0.70			4.00							0.157
				4.17	#8	32	36				0.164
				4.76	#10 (3/16)	24	32			24	0.188
M5	0.80			5.00							0.197
M6	1.00			6.00							0.236
				6.35	1/4	20	28			20	0.250
M7	1.00			7.00							0.276
				7.94	5/16	18	24			18	0.313
M8	1.25	1.00		8.00							0.315
				9.53	3/8	16	24			16	0.375
M10	1.50	1.25	1.00	10.00							0.394
				11.11	7/16	14	20			14	0.438
M12	1.75	1.50	1.25	12.00							0.472
				12.70	1/2	13	20			12	0.500
M14	2.00	1.50		14.00							0.551
				14.29	9/16	12	18			12	0.563
				15.88	5/8	11	18			11	0.625
M16	2.00	1.50		16.00							0.630
M18	2.50	1.50		18.00							0.709
				19.05	3/4	10	16			10	0.750
M20	2.50	1.50		20.00							0.787
M22	2.50	1.50		22.00							0.866
				22.23	7/8	9	14			9	0.875
M24	3.00	1.50		24.00							0.945
				25.40	1	8	12	14		8	1.000
M27	3.00			27.00							1.063
				28.58	1-1/8	7	12		8	7	1.125
M30	3.50			30.00							1.181
				31.75	1-1/4	7	12		8	7	1.250
M33	3.50			33.00							1.299
				34.93	1-3/8	6	12		8	6	1.375
M36	4.00			36.00							1.417
				38.10	1-1/2	6	12		8	6	1.500
M39	4.00			39.00							1.535
				41.28	1-5/8	5-1/2	12		8		1.625
M42	4.50			42.00							1.654
				44.45	1-3/4	5	12		8		1.750
				47.63	1-7/8				8		1.875
M48	5.00			48.00							1.890
				50.80	2	4-1/2	12		8		2.000
M56	5.50			56.00							2.205
M64	6.00			64.00							2.520
M72	6.00			72.00							2.953

ⓘ The data provided in this document is for general guidance only and should not be solely relied upon when working to stringent specifications. We recommend consulting with qualified experts regarding any technical queries. This information may change without written notice.