

Metric

Diameter	Thread Pitch		Shank Diameter		Across Flats		Head Thickness		Nut Thickness	
	Coarse	Fine	Max	Min	Max	Min	Max	Min	Max	Min
M6	1.00	0.75	6.0	5.82	10.00	9.78	4.15	3.85	5.20	4.90
M8	1.25	1.00	8.00	7.78	13.00	12.73	5.45	5.15	6.80	6.40
M10	1.50	1.25	10.00	9.78	16.00	15.73	6.58	6.22	8.40	8.04
M12	1.75	1.25	12.00	11.73	18.00	17.73	7.68	7.32	10.80	10.37
M14	2.00	1.50	14.00	13.73	21.00	20.67	8.98	8.62	12.80	12.10
M16	2.00	1.50	16.00	15.73	24.00	23.67	10.18	9.82	14.80	14.01
M20	2.50	1.50	20.00	19.67	30.00	29.67	12.72	12.28	18.00	16.90
M24	3.00	2.00	24.00	23.67	36.00	35.58	15.22	14.78	21.50	20.20
M27	3.0		27.00	26.67	41.0	40.0	17.60	15.80	23.80	22.50
M30	3.5		30.00	29.67	46.0	45.0	19.75	17.65	25.60	24.30
M33	3.5		33.00	32.61	50.0	49.0	21.55	19.45	28.70	27.40
M36	4.0		36.00	35.61	55.0	53.8	23.55	21.45	31.00	29.40

Thread Length Calculation

Up to 125mm long Thread = 2 x the diameter + 6mm

125 - 200mm long Thread = 2 x the diameter + 12mm Over 200mm long Thread = 2 x the diameter + 25mm

Imperial

Diameter	Threads per Inch		Shank Diameter		Head Thickness		Across Flats		Nut Thickness	
	UNC	UNF	Max	Min	Max	Min	Max	Min	Max	Min
1/4	20	28	.250	.245	.163	.150	.438	.428	.226	.212
5/16	18	24	.3125	.3065	.211	.195	.500	.489	.273	.258
3/8	16	24	.375	.369	.243	.266	.562	.551	.337	.320
7/16	14	20	.4375	.4305	.291	.272	.625	.612	.385	.365
1/2	13	20	.500	.493	.323	.302	.750	.736	.448	.427
9/16	12	18	.563	.554	.371	.348	.938	.910	.496	.473
5/8	11	18	.625	.617	.403	.378	.938	.922	.559	.535
3/4	10	16	.750	.741	.483	.455	1.125	1.100	.665	.617
7/8	9	14	.875	.866	.563	.531	1.312	1.285	.776	.724
1"	8	14	1.000	.990	.627	.591	1.500	1.469	.887	.831
1 1/8	7	12	1.125	1.114	.718	.658	1.688	1.631	.999	.939
1 1/4	7	12	1.25	1.239	.813	.749	1.875	1.812	1.094	1.030
1 3/8	6	12	1.375	1.363	.878	.810	2.062	1.994	1.206	1.138
1 1/2	6	12	1.5	1.488	.974	.902	2.25	2.175	1.371	1.245
1 3/4	5		1.75	1.738	1.134	1.054	2.625	2.538	1.53	1.470
2"	4.5		2	1.988	1.263	1.175	3	2.9	1.754	1.684

Thread Length Calculation

Up to 6-inch-long Thread = 2 x the diameter + 1/4

over 6-inch-long Thread = 2 x the diameter + 1/2



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