

Imperial Thread Sizes

UNC - Unified Coarse Thread

Nominal Diameter (in)	Threads per inch (TPI)	Major Diameter (in)	Major Diameter (mm)	Tapping Drill Size (mm)	Tapping Drill Size (imperial)	Pitch (mm)	Tap Size	Nut & Bolt (Unless stated otherwise)	Spanner Size	Bolt	Spanner Size
1	64	0.073	1.8542	1.5	53	0.397	1-64	No.1 UNC	5/32" AF		
2	56	0.086	2.1844	1.8	50	0.453	2-56	No.2 UNC	3/16" AF		
3	48	0.099	2.5146	2.1	47	0.529	3-48	No.3 UNC	3/16" AF		
4	40	0.112	2.8448	2.35	43	0.635	4-40	No.4 UNC	1/4" AF		
5	40	0.125	3.175	2.65	38	0.635	5-40	No.5 UNC	5/16" AF		
6	32	0.138	3.5052	2.85	36	0.794	6-32	No.6 UNC	5/16" AF		
8	32	0.164	4.1656	3.5	29	0.794	8-32	No.8 UNC	11/32" AF		
10	24	0.19	4.826	4	25	1.058	10-24	No.10 UNC nut	3/8" AF	No.10 UNC bolt	5/16" AF
12	24	0.216	5.4864	4.65	16	1.058	12-24	No.12 UNC	11/32" AF		
1/4	20	0.25	6.35	5.35	7	1.27	1/4-20				
5/16	18	0.313	7.9502	6.8	F	1.411	5/16-18				
3/8	16	0.375	9.525	8.25	5/16	1.587	3/8-18				
7/16	14	0.438	11.1252	9.65	U	1.814	7/16-14				
1/2	13	0.5	12.7	11.15	27/64	1.954	1/2-13				
9/16	12	0.563	14.3002	12.6	31/64	2.117	9/16-12				
5/8	11	0.625	15.875	14.05	17/32	2.309	5/8-11				
3/4	10	0.75	19.05	17	21/32	2.54	3/4-10				
7/8	9	0.875	22.225	20	49/64	2.822	7/8-9				
1	8	1	25.4	22.85	7/8	3.175	1-8				
1 1/8	7	1.125	28.575	25.65	63/64	3.628	1 1/8-7				
1 1/4	7	1.25	31.75	28.85	1 7/64	3.628	1 1/4-7				
1 3/8	6	1.375	34.925	31.55	1 13/64	4.233	1 3/8-6				
1 1/2	6	1.5	38.1	34.7	1 11/32	4.233	1 1/2-6				
1 3/4	5	1.75	44.45	40.4	1 9/16	5.08	1 3/4-5				
2	4 1/2	2	50.8	46.3	1 25/32	5.644	2-4.5				

UNF - Unified National Fine Thread

Nominal Diameter (in)	Threads per inch (TPI)	Major Diameter (in)	Major Diameter (mm)	Tapping Drill Size (mm)	Tapping Drill Size (imperial)	Pitch (mm)	Tap Size	Nut & Bolt (Unless stated otherwise)	Spanner Size	Bolt	Spanner Size
0	80	0.06	1.524	1.25	3/64	0.317	0-80				
1	72	0.073	1.8542	1.55	53	0.353	1-72				
2	64	0.068	1.7272	1.9	50	0.397	2-64				
3	56	0.099	2.5146	2.15	45	0.453	3-56				
4	48	0.112	2.8448	2.4	42	0.529	4-48				
5	44	0.125	3.175	2.7	37	0.577	5-44				
6	40	0.138	3.5052	2.95	33	0.635	6-40				
8	36	0.164	4.1656	3.5	29	0.705	8-36				
10	32	0.19	4.826	4.1	21	0.794	10-32				
12	28	0.216	5.4864	4.7	14	0.907	12-28				
1/4	28	0.25	6.35	5.5	3	0.907	1/4-28	1/4" UNF	7/16" AF		
5/16	24	0.313	7.9502	6.9	I	1.058	5/16-24	5/16" UNF	1/2" AF		
3/8	24	0.375	9.525	8.5	Q	1.058	3/8-20	3/8" UNF	9/16" AF		
7/16	20	0.438	11.1252	9.9	25/64	1.27	7/16-20	7/16" UNF nut	11/16" AF	7/16" UNF bolt	5/8" AF
1/2	20	0.5	12.7	11.5	29/64	1.27	1/2-20	1/2" UNF	3/4" AF		
9/16	18	0.563	14.3002	12.9	33/64	1.411	9/16-18	9/16" UNF nut	7/8" AF	9/16" UNF bolt	13/16" AF
5/8	18	0.625	15.875	14.5	37/64	1.411	5/8-18	5/8" UNF	15/16" AF		
3/4	16	0.75	19.05	17.5	11/16	1.587	3/4-16	3/4" UNF	1 1/8" AF		
7/8	14	0.875	22.225	20.4	13/16	1.814	7/8-14	7/8" UNF	1 5/16" AF		
1	12	1	25.4	23.25	15/16	2.117	1-12	1" UNF	1 1/2" AF		
1 1/8	12	1.125	28.575	26.5	1 3/64	2.117	1 1/8-12	1 1/8" UNF	1 11/16" AF		
1 1/4	12	1.25	31.75	29.5	1 11/64	2.117	1 1/4-12	1 1/4" UNF	1 7/8" AF		
1 3/8	12	1.375	34.925	32.75	1 19/64	2.117	1 3/8-12	1 3/8" UNF	2 1/16" AF		
1 1/2	12	1.5	38.1	36	1 27/64	2.117	1 1/2-12	1 1/2" UNF	2 1/4" AF		