

UNC and UNF Screw Threads

Unified Screw Threads UNC and UNF - ANSI B1.1 - Coarse series and UNF Fine series

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UNC - Unified Coarse Thread

UNC threads ANSI B1.1:

Nominal Diameter (in)	Threads per inch	Major Diameter (in)	Major Diameter (mm)	Tapping Drill Size (mm)	Pitch (mm)
1	64	0.073	1.854	1.50	0.397
2	56	0.086	2.184	1.80	0.453
3	48	0.099	2.515	2.10	0.529
4	40	0.112	2.845	2.35	0.635
5	40	0.125	3.175	2.65	0.635
6	32	0.138	3.505	2.85	0.794
8	32	0.164	4.166	3.50	0.794
10	24	0.190	4.826	4.00	1.058
12	24	0.216	5.486	4.65	1.058
1/4"	20	0.250	6.350	5.35	1.270
5/16"	18	0.313	7.938	6.80	1.411
3/8"	16	0.375	9.525	8.25	1.587
7/16"	14	0.438	11.112	9.65	1.814
1/2"	13	0.500	12.700	11.15	1.954
9/16"	12	0.563	14.288	12.60	2.117
5/8"	11	0.625	15.875	14.05	2.309
3/4"	10	0.750	19.050	17.00	2.540
7/8"	9	0.875	22.225	20.00	2.822
1"	8	1.000	25.400	22.85	3.175
1 1/8"	7	1.125	28.575	25.65	3.628
1 1/4"	7	1.250	31.750	28.85	3.628
1 3/8"	6	1.375	43.925	31.55	4.233
1 1/2"	6	1.500	38.100	34.70	4.233
1 3/4"	5	1.750	44.450	40.40	5.080
2"	4 1/2	2.000	50.800	46.30	5.644
2 1/4"	4 1/2	2.250	57.150	52.65	5.644
2 1/2"	4	2.500	63.500	58.50	6.350
2 3/4"	4	2.750	69.850	64.75	6.350
3"	4	3.000	76.200	71.10	6.350
3 1/4"	4	3.250	82.550	77.45	6.350
3 1/2"	4	3.500	88.900	83.80	6.350
3 3/4"	4	3.750	95.250	90.15	6.350
4"	4	4.000	101.600	96.50	6.350

UNF - Unified National Fine Thread

UNF threads ANSI B1.1:

Nominal Diameter (in)	Threads per inch	Major Diameter (in)	Major Diameter (mm)	Tapping Drill Size (mm)	Pitch (mm)
0	80	0.060	1.524	1.25	0.317
1	72	0.073	1.854	1.55	0.353
2	64	0.068	2.184	1.90	0.397
3	56	0.099	2.515	2.15	0.453
4	48	0.112	2.845	2.40	0.529
5	44	0.125	3.175	2.70	0.577
6	40	0.138	3.505	2.95	0.635
8	36	0.164	4.166	3.50	0.705
10	32	0.190	4.826	4.10	0.794
12	28	0.216	5.486	4.70	0.907
1/4"	28	0.250	6.350	5.50	0.907
5/16"	24	0.313	7.938	6.90	1.058
3/8"	24	0.375	9.525	8.50	1.058
7/16"	20	0.438	11.112	9.90	1.270
1/2"	20	0.500	12.700	11.50	1.270
9/16"	18	0.563	14.288	12.90	1.411
5/8"	18	0.625	15.875	14.50	1.411
3/4"	16	0.750	19.050	17.50	1.587
7/8"	14	0.875	22.225	20.40	1.814
1"	12	1.000	25.400	23.25	2.117
1 1/8"	12	1.125	28.575	26.50	2.117
1 1/4"	12	1.250	31.750	29.50	2.117
1 3/8"	12	1.375	43.925	32.75	2.117
1 1/2"	12	1.500	38.100	36.00	2.117

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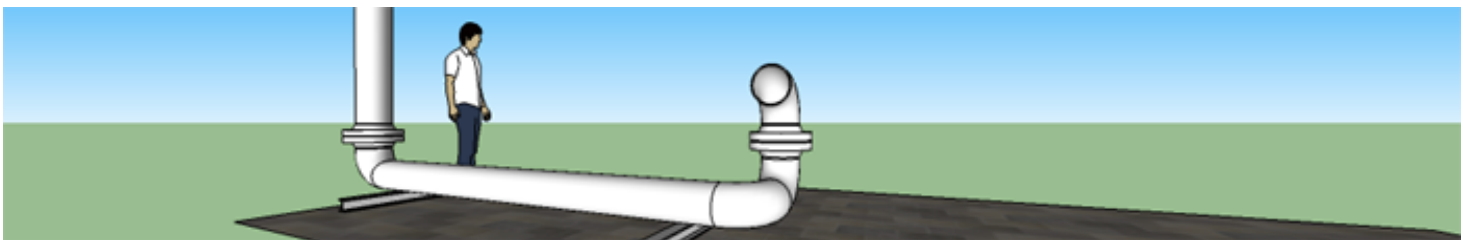
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Unit Converter

Temperature

 °C °F

Length

 m *km* *in* *ft* *yards* *miles* *nautical miles*

[Volume](#)

- m^3
 liters
 in^3
 ft^3
 us gal

[Weight](#)

- kg_f
 N
 lb_f

[Velocity](#)

- m/s
 km/h
 ft/min
 ft/s
 mph
 knots

[Pressure](#)

- $Pa (N/m^2)$
 bar
 $mm H_2O$
 kg/cm^2
 psi
 inches H₂O

[Flow](#)

- m^3/s
 m^3/h
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