

Measurement Information

Threads Per Inch

Size	Coarse UNC	Fine UNF	Basic Major Diameter
0	0	80	3-1/2"
1	64	72	4"
2	56	64	4-3/8"
3	48	56	4-3/4"
4	40	48	5"
5	40	44	5-1/2"
6	32	40	6"
8	32	36	6-1/4"
10	24	32	6-3/4"
12	24	28	7"
1/4	20	28	7-1/2"
5/16	18	24	8"
3/8	16	24	8-3/4"
7/16	14	20	9-9/16"
1/2	13	20	10-1/4"
9/16	12	18	10-3/4"
5/8	11	18	11"
3/4	10	16	12"
7/8	9	14	12-1/2"
1	8	14	13-1/2"

Size	Coarse UNC	Fine UNF	8 Third Series	Basic Major Diameter
1-1/8	7	12	8	1.125
1-1/4	7	12	8	1.250
1-3/8	6	12	8	1.375
1-1/2	6	12	8	1.500
1-5/8	5-1/2"		8	1.625
1-3/4	5	12	8	1.750
1-7/8	5		8	1.875
2	4-1/2	12	8	2.000
2-1/4	4		8	2.250
2-1/2	4		8	2.500
2-3/4	4		8	2.750
3	4		8	3.000
3-1/4	4		8	3.250
3-1/2	4		8	3.500
3-3/4	4		8	3.750
4	4		8	4.000

Decimals / Millimeters Equivalents

0	0.0	- 0.0
1/64	.015625	- 0.397
1/32	.03125	- 0.794
3/64	.046875	- 1.191
1/16	.0625	- 1.588
5/64	.078125	- 1.984
3/32	.09375	- 2.381
7/64	.109375	- 2.778
1/8	.1250	- 3.175
9/64	.140625	- 3.572
5/32	.15625	- 3.969
11/64	.171875	- 4.366
3/16	.1875	- 4.763
7/32	.203125	- 5.159
13/64	.203125	- 5.159
1/4	.2500	- 6.350
5/16	.3125	- 7.938
3/8	.3750	- 9.525
7/16	.4375	- 11.113
1/2	.5000	- 12.700
5/8	.6250	- 15.875
3/4	.7500	- 19.050
7/8	.8750	- 22.225
1	1.00	- 25.400
11/32	.34375	- 8.731
23/64	.359375	- 9.128
3/8	.3750	- 9.525
25/64	.390625	- 9.922
13/32	.40625	- 10.319
7/16	.421875	- 10.716
27/64	.421875	- 10.716
15/32	.4375	- 11.113
29/64	.453125	- 11.509
1/2	.46875	- 11.906
31/64	.484375	- 12.303
17/32	.5000	- 12.700
33/64	.515625	- 13.097
17/32	.53125	- 13.494
35/64	.546875	- 13.891
9/16	.5625	- 14.288
37/64	.578125	- 14.684
19/32	.59375	- 15.081
39/64	.609375	- 15.478
5/8	.6250	- 15.875
41/64	.640625	- 16.272
21/32	.65625	- 16.669
43/64	.671875	- 17.066
11/16	.6875	- 17.463
23/32	.703125	- 17.859
45/64	.703125	- 17.859
3/8	.71875	- 18.256
25/32	.734375	- 18.653
3/4	.7500	- 19.050
49/64	.765625	- 19.447
25/32	.78125	- 19.844
13/16	.796875	- 20.241
51/64	.796875	- 20.241
27/32	.8125	- 20.638
53/64	.8125	- 20.638
1/2	.828125	- 21.034
27/32	.84375	- 21.431
55/64	.84375	- 21.431
7/8	.859375	- 21.828
57/64	.8750	- 22.225
29/32	.890625	- 22.622
59/64	.890625	- 22.622
15/16	.90625	- 23.019
61/64	.921875	- 23.416
31/32	.9375	- 23.813
63/64	.953125	- 24.209
1	.96875	- 24.606
63/64	.984375	- 25.003
1	1.00	- 25.400

Metric Dimensions

Metric (mm)	Inch Approx.	Metric (mm)	Inch Approx.
1	3/64"	90	3-1/2"
1.5	1/16"	100	4"
2	5/64"	110	4-3/8"
3	1/8"	120	4-3/4"
4	5/32"	130	5"
5	3/16"	140	5-1/2"
6	1/4"	150	6"
8	5/16"	160	6-1/4"
10	3/8"	170	6-3/4"
12	1/2"	180	7"
14	9/16"	190	7-1/2"
16	5/8"	200	8"
18	11/16"	220	8-3/4"
19	3/4"	240	9-9/16"
20	3/4"	260	10-1/4"
25	1"	270	10-3/4"
30	1-3/16"	280	11"
35	1-3/8"	300	12"
40	1-9/16"	320	12-1/2"
45	1-3/4"	340	13-1/2"
50	2"	360	14-1/4"
55	2-3/16"	380	15"
60	2-3/8"	400	15-3/4"
65	2-9/16"	420	16-1/2"
70	2-3/4"	440	17-3/8"
75	3"	460	18"
80	3-3/16"	480	19"
85	3-3/8"	500	20"

Metric Threads

Metric (mm)	Inch Approx.	Pitch (mm)
1	000-120	0.25
1.2	00-90	0.25
1.4	0-80	0.3
1.6	1-64	0.35
1.8	1-64	0.35
2	2-56	0.4
2.2	2-56	0.45
2.5	3-48	0.45
2.6	3-48	0.45
3	4-40	0.5
3.5	6-32	0.6
4	8-32	0.7
5	10-24	0.8
6	1/4"	1
7	9/32"	1
8	5/16"	1.25
10	3/8"	1.5
12	1/2"	1.75
14	9/16"	2
16	5/8"	2
18	11/16"	2.5
20	3/4"	2.5
22	7/8"	2.5
24	1"	3
27	1-1/16"	3
30	1-3/16"	3.5
33	1-5/16"	3.5
36	1-7/16"	4
39	1-1/2"	4
42	1-5/8"	4.5
45	1-3/4"	4.5
48	1-7/8"	5

Property Classes for Metric Fasteners

Classes	Equivalent to	Min. Yield Strength MPa=N/mm ²	Min. Tensile Strength MPa=N/mm ²	Conversion Factor	Min. Yield Strength PSI	Min. Tensile Strength PSI
4.8		340	420	145	49300	90900
5.8	ref. Gr. 2	420	520	145	60900	75400
8.8 to above M16	ref. Gr. 5	640	800	145	92800	116000
		660	830	145	95700	120350
9.8	1-64	720	900	145	104400	130500
10.9	2-56	940	1040	145	136300	150800
12.9	2-56	1100	1220	145	159500	176900