



THREAD IDENTIFICATION CHART

QUICK REFERENCE GUIDE

PITCH CONVERSION TABLE

Approx. Thread per INCH	63 1/2	56 1/2	50 3/2	42 1/4	36 1/4	33 3/4	31 3/4	28 1/4	25 1/2	20 1/4	17	14 1/2	12 3/4	10 1/4	8 1/2	7 1/4	6 1/4
Pitch mm	0.4	0.45	0.5	0.6	0.7	0.75	0.8	0.9	1	1.25	1.5	1.75	2	2.5	3	3.5	4

GAUGE CONVERSION TABLE

US GAUGE	#4	#6	#7	#8	#10	#12	#14
mm	2.9mm	3.5mm	3.9mm	4.2mm	4.8mm	5.5mm	6.3mm

*The information provided here is for general use only, and may not cover all specific cases or applications.

TO BE USED FOR IDENTIFICATION OF THE THREE MOST COMMON THREAD SYSTEMS:

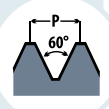
METRIC

- M** - Coarse + Fine Thread
- x** - DIN (German Standard)
- - ISO Std. - 1st Choice
- - ISO Std. - 2nd Choice
- - ISO Std. - 3rd Choice
- M Taper** - Metric Pipe Tapered



AMERICAN

- UNC** - Unified National Coarse
- UNF** - Unified National Fine
- UNEF** - Unified National Extra Fine
- UNM** - Unified National Miniature
- NPT** - National Pipe Tapered



BRITISH

- BA** - British Association



- BSW** - British Std. Whitworth
- BSF** - British Standard Fine
- BSP** - British Standard Pipe
- BSPT** - British Std. Pipe Tapered



BASIC MAJOR DIAMETER	
INCH	METRIC
.0787	2
.0860	2.18
.0866	2.2
.0906	2.3
.0984	2.5
.0990	2.51
.1024	2.6
.1102	2.8
.1120	2.84
.1181	3
.1250	3.18
.1260	3.2
.1380	3.5
.1417	3.60
.1575	4
.1614	4.10
.1640	4.17
.1772	4.5
.1850	4.70
.1875	4.76
.1900	4.83
.1969	5
.2087	5.30
.2160	5.49
.2165	5.5
.2188	5.56
.2362	6
.2500	6.35
.2756	7
.2812	7.14
.3125	7.94
.3150	8
.3543	9
.3750	9.53
.3830	9.73
.3937	10
.4050	10.29
.4331	11

METRIC				
NOM. DIA. mm	STD.	PITCH (m)		
		Coarse	Fine	M Taper
2	● x	0.4	0.25, 0.35	
2.2	●●	0.45	0.25	
2.3	x	0.4	0.25, 0.35	
2.5	●	0.45	0.35	
2.6	x	0.45	0.25, 0.35	
3	● x	0.5	0.35, 0.6	
3.5	●● x	0.6	0.35, 0.5	
4	● x	0.7	0.5, 0.7	
4.5	●●	0.75	0.5	
5	● x	0.8	0.5, 0.75, 0.9	
5.5	●●●	0.9	0.5	
6	● x	1	0.5, 0.75	
7	●●●x	1	0.5, 0.75	
8	● x	1.25	0.5, 0.75, 1	1
9		1.25	0.75, 0	
10	● x	1.5	0.75, 1, 1.25	1
11	●●●x	1.5	0.75, 1, 1.25	

AMERICAN				
NOMINAL DIA.	THREADS PER INCH			
	UNC	UNF	UNEF	UNM
2	56	64		
3	48	56		
4	40	48		
5	40	44		
6	32	40		
8	32	36		
10	24	32		
12	24	28	32	
1/4	20	28	32	
5/16	18	24	32	
3/8	16	24	32	
1/8				27

BRITISH					
NOMINAL DIA.	THREADS / INCH				
	BA	BSW	BSF	BSP	BSPT
8	59				
7	53				
6	48				
1/8		40			
5	43				
4	38 1/2				
3	34 3/4				
2	31 3/4				
3/16		24	32		
1	28 1/4				
7/32			38		
0	25 1/2				
1/4		20	26		
9/32			26		
5/16		18	22		
3/8	16	20			
1/8			28		28

BASIC MAJOR DIAMETER		METRIC					AMERICAN					BRITISH					
INCH	METRIC	NOM. DIA.	STD.	PITCH (m)			NOMINAL	THREADS PER INCH				NOMINAL	THREADS / INCH				
		mm		Coarse	Fine	M Taper	DIA.	UNC	UNF	UNEF	UNM	DIA.	BA	BSW	BSF	BSP	BSPT
.4331	11	11	●●●x	1.5	0.75, 1, 1.25												
.4375	11.11						7/16	14	20	28			14	18			
.4724	12	12	● x	1.75	1, 1.25, 1.5	1.5											
.5000	12.70												1/2	12	16		
.5180	13.16												1/4		19	19	
.5400	13.72						1/4				18						
.5512	14	14	●● x	2	1, 1.25, 1.5												
.5625	14.29						9/16	12	18	24			9/16	12	16		
.6250	15.88						5/8	11	18	24			5/8	11	14		
.6299	16	16	● x	2	1, 1.5	1.5											
.6560	16.66												3/8		19	19	
.6750	17.15						3/8				18						
.6875	17.46						11/16			24			11/16	11	14		
.7087	18	18	●● x	2.5	1, 1.5, 2	1.5											
.7500	19.05						3/4	10	16	20			3/4	10	12		
.7874	20	20	● x	2.5	1, 1.5, 2	1.5											
.8125	20.64						13/16			20			13/16		12		
.8250	20.96												1/2		14	14	
.8400	21.34						1/2				14						
.8661	22	22	●● x	2.5	1, 1.5, 2	1.5											
.8750	22.23						7/8	9	14	20			7/8	9	11		
.9020	22.91												5/8		14	14	
.9375	23.81						15/16			20							
.9449	24	24	● x	3	1, 1.5, 2												
1.0000	25.40						1	8	12	20			1	8	10		
1.0236	26	26	●●●x		1.5	1.5							3/4		14	14	
1.0410	26.44																
1.0500	26.67						3/4				14						
1.0625	26.99						1 1/16			18							
1.0630	27	27	●● x	3	1, 1.5, 2												
1.1250	28.58						1 1/8	7	12	18			1 1/8	7	9		
1.1811	30	30	● x	3.5	1, 1.5, 2, 3												
1.1875	30.16						13/16			18							
1.1890	30.20																
1.2500	31.75						1 1/4	7	12	18							
1.2598	32	32	●●●x		1.5, 2												
1.2992	33	33	●● x	3.5	1.5, 2, 3												
1.3090	33.25																
1.3125	33.34						1 5/16			18							
1.3150	33.40						1				11 1/2						
1.3750	34.93						13/8	6	12	18			13/8		8		
1.3780	35	35	●●●x		1.5												
1.4173	36	36	● x	4	1.5, 2, 3		17/16			18							
1.4375	36.51																
1.4920	37.90																
1.4961	38	38	●●●x		1.5								1 1/8		11		
1.5000	38.10																
1.5354	39	39	●● x	4	1.5, 2, 3		1 1/2	6	12	18			1 1/2	6	8		
1.5625	39.69						19/16			18							
1.5748	40	40	●●●x		1.5, 2, 3												
1.6250	41.28						1 5/8			18			1 5/8		8		
1.6500	41.91												1 1/4		11	11	
1.6535	42	42	● x	4.5	1.5, 2, 3, 4												
1.6600	42.16						1 1/4				11 1/2						
1.6875	42.86						1 1/16			18							
1.7450	44.32												13/8		11		
1.7500	44.45						13/4	5					13/4	5	7		
1.7717	45	45	●● x	4.5	1.5, 2, 3, 4												
1.8820	47.80												1 1/2		11	11	
1.8898	48	48	● x	5	1.5, 2, 3, 4												
1.9000	48.26						1 1/2				11 1/2						
1.9685	50	50	●●●x		1.5, 2, 3												
2.0000	50.80						2	4 1/2					2	4 1/2	7		
2.0472	52	52	●● x	5	1.5, 2, 3, 4												
2.2047	56	56	● x	5.5	1.5, 2, 3, 4												
2.2500	57.15						2 1/4	4 1/2					2 1/4	4	6		
2.3470	59.61												2		11	11	
2.3622	60	60	●● x	5.5	1.5, 2, 3, 4												
2.3750	60.33																
2.5000	63.50						2				11 1/2						
2.5197	64	64	● x	6	1.5, 2, 3, 4		2 1/5	4					2 1/2	4	6		