

THREAD IDENTIFICATION CHART

To Be Used For Identification Of The Three Most Common Thread Systems

METRIC = 60° Angel

M = Coarse & Fine Thread
 ! ISO Standard (1st Choice)
 !! ISO Standard (3rd Choice)
 PG = Metric Conduit

x DIN (German Standard)
 !! ISO Standard (2nd Choice)
 M Taper = Metric Pipe Tapered

AMERICAN = 60° Angle

UNC = Unified National Coarse
 UNF = Unified National Fine
 UNEF = Unified National Extra Fine

UNM = Unified National Miniature
 NPT = National Pipe Tapered

BRITISH - BSW//BSF/BSP/BSPT = 55° Angle BA = 47 1/2° Angle

BA = British Association
 BSW = British Standard Whitworth
 BSPT = British Standard Pipe Tapered
 BSP = British Standard Pipe
 BSF = British Standard Fine

BASIC MAJOR DIAMETER	
Inch	mm
.0118	0.3
.0118	0.3
.0138	0.35
.0146	0.37
.0157	0.4
.0165	0.42
.0177	0.45
.0189	0.48
.0197	0.5
.0209	0.53
.0213	0.54
.0217	0.55
.0236	0.6
.0244	0.62
.0276	0.7
.0311	0.79
.0315	0.8
.0340	0.86
.0354	0.9
.0394	1
.0433	1.1
.0470	1.19
.0472	1.2
.0512	1.3
.0551	1.4
.0591	1.5
.0600	1.52
.0629	1.6
.0669	1.7
.0709	1.8
.0730	1.85
.0748	1.9
.0787	2
.0860	2.18
.0866	2.2
.0906	2.35
.0984	2.5
.0990	2.51
.1024	2.6
.1102	2.8
.1120	2.84
.1181	3
.1250	3.18
.1260	3.20
.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

NOM. DIA. mm	STANDARD	METRIC		
		Coarse	Fine	M Taper
0.3	x	0.075		
0.3	!	0.08		
0.35	!!	0.09		
0.4	x!	0.1		
0.45	!!	0.1		
0.5	x!	0.125		
0.55	!!	0.125		
0.6	x!	0.15		
0.7	x! !	0.175		
0.8	x!	.2		
0.9	x! !	0.225		
1	x!	0.25	0.2	
1.1	!!	0.25	0.2	
1.2	x!	0.25	0.2	
1.4	x! !	0.3	0.2	
1.5	!!!	0.3		
1.6	!	0.35	0.2	
1.7	x	0.35	0.2/0.25	
1.8	!!	0.35	0.2	
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	0.5/0.75	
4.5	x!	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	x! ! !	1.25	0.75/1	
10	x!	1.5	0.75/1/1.25	1

NOM. DIA.	AMERICAN				
	THREADS PER Inch				
	UNC	UNF	UNEF	UNM	NPT
.30 mm				318	
.35 mm				282	
.40 mm				254	
.45 mm				254	
.50 mm				203	
.0000		160			
.55 mm				203	
.60 mm				169	
.70 mm				145	
.80 mm				127	
.000		120			
.90 mm				113	
1.00 mm				102	
1.10 mm				102	
.00		90	96		
1.20 mm				102	
1.40 mm				85	
0		80			
1	64	72			
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		

NOM. DIA.	BRITISH				
	THREADS PER Inch				
	BA	BSW	BSF	BSP	BSPT
22	254				
21	231				
20	211 3/4				
19	181 1/2				
18	169 1/4				
17	149 1/2				
16	133 3/4				
15	121				
14	110 1/2				
13	101 1/2				
12	90 3/4				
11	82				
10	72 1/2				
9	65				
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			28		
0	25 1/2				
1/4		20	26		
9/32			26		
5/16		18	22		
3/8		16	20		
1/8				28	28