

Table of metric, pipe and inch threads - comparison

Exterior diameter (mm)	Interior diameter (mm)	Coils per inch	Pitch (mm)	BSPP, BSPT inch pipe	Metric	UBF (JIC, ORFS)	Inch NPT, NPTF
7.8 - 8.0	6.8 - 7.0		1		M8x1		
9.3 - 9.7	8.5 - 8.9	28	0.91	1/8"			
9.3 - 9.7	8.5 - 8.9	27	0.95				1/8"
9.7 - 9.9	8.2 - 8.6		1.5		M10x1.5		
9.7 - 9.9	8.7 - 9.1		1		M10x1		
10.9 - 11.1	9.7 - 10.0	20	1.27			7/16" - 20	
11.6 - 11.9	10.2 - 10.6		1.5		M12x1.5		
12.4 - 12.7	11.3 - 11.6	20	1.27			1/2" - 20	
12.9 - 13.1	11.4 - 11.9	19	1.34	1/4"			
12.9 - 13.1	11.4 - 11.9	18	1.41				1/4"
13.6 - 13.9	12.2 - 12.6		1.5		M14x1.5		
14.0 - 14.3	12.7 - 13.0	18	1.41			9/16" - 18	
15.6 - 15.9	14.2 - 14.6		1.5		M16x1.5		
16.3 - 16.6	14.9 - 15.4	19	1.34	3/8"			
16.3 - 16.6	14.9 - 15.4	18	1.41				3/8"
17.1 - 17.4	15.8 - 16.1	16	1.59			11/16" - 16	

17.6 - 17.9	16.2 - 16.6		1.5		M18x1.5		
18.7 - 19.0	17.3 - 17.6	16	1.59			3/4" - 16	
19.6 - 19.9	18.2 - 18.6		1.5		M20x1.5		
20.3 - 20.6	18.9 - 19.3	16	1.59			13/16" - 16	
20.5 - 20.9	18.6 - 19.0	14	1.81	1/2"			
20.7 - 21.1	18.3 - 18.7	14	1.81				1/2"
21.6 - 21.9	20.2 - 20.6		1.5		M22x1.5		
22.0 - 22.2	20.2 - 20.5	14	1.81			7/8" - 14	
22.6 - 22.9	20.6 - 21.0	14	1.81	5/8"			
23.6 - 23.9	22.2 - 22.6		1.5		M24x1.5		
25.1 - 25.4	23.4 - 23.8	14	1.81			1" - 14	
25.6 - 25.9	24.2 - 24.6		1.5		M26x1.5		
26.1 - 26.4	24.1 - 24.5	14	1.81	3/4"			
26.3 - 26.7	23.7 - 24.1	14	1.81				3/4"
26.6 - 26.9	24.3 - 24.7	12	2.12			1-1/16" - 12	
26.6 - 26.9	24.6 - 25.0		2		M27x2		
26.6 - 26.9	25.2 - 25.6		1.5		M27x1.5		
27.6 - 27.9	26.2 - 26.6		1.5		M28x1.5		
29.6 - 29.9	27.4 - 27.8		2		M30x2		
29.6 - 29.9	28.2 - 28.6		1.5		M30x1.5		
						1-3/16"	

29.8 - 30.1	27.6 - 27.9	12	2.12			- 12	
29.8 - 30.2	27.8 - 28.1	14	1.81	7/8"			
32.6 - 32.9	30.5 - 30.9		2		M33x2		
32.6 - 32.9	31.2 - 31.6		1.5		M33x1.5		
33.0 - 33.2	30.3 - 30.8	11	2.31	1"			
33.0 - 33.3	30.8 - 31.2	12	2.12			1-5/16" - 12	
32.9 - 33.4	30.3 - 30.8	11.5	2.21				1"
35.6 - 35.9	33.4 - 33.8		2		M36x2		
36.2 - 36.5	34.3 - 34.7	12	2.12			1-7/16" - 12	
37.6 - 37.9	34.8 - 35.1	11	2.31	1-1/8"			
37.6 - 37.9	36.2 - 36.6		1.5		M38x1.5		
40.9 - 41.2	38.7 - 39.1	12	2.12			1 - 5/8" " - 12	
41.6 - 41.9	39.4 - 39.8		2		M42x2		
41.5 - 41.9	39.0 - 39.5	11	2.31	1.0-1/4"			
41.4 - 42.0	39.2 - 39.6	11.5	2.21				1-1/4"
42.5 - 42.8	40.6 - 41.0	12	2.12			1-11/16" - 12	
44.6 - 44.9	42.4 - 42.8		2		M45x2		
44.6 - 44.9	43.2 - 43.6		1.5		M45x1.5		
47.3 - 47.6	45.1 - 45.5	12	2.12			1-7/8" - 12	
47.4 - 47.8	44.8 - 45.3	11	2.31	1-1/2"			

47.3 - 47.9	45.1 - 45.5	11.5	2.21				1-1/2"
50.5 - 50.8	48.6 - 49.0	12	2.12			2" - 12	
51.6 - 51.9	49.4 - 49.6		2		M52x2		
51.6 - 51.9	50.2 - 50.6		1.5		M52x1.5		
59.4 - 59.8	56.5 - 56.8	11	2.31	2"			
59.9 - 60.2	56.4 - 56.7	11.5	2.21				2"


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