

Table of BSPT tapered pipe threads

“British Standard Taper Pipe Thread” is the name of the standard for British tapered pipe threads with a profile angle of 55°. Although these threads are self-sealing, they can be used with a gasket.

The following table contains data for pipe threads according to the BSPT standard.

Thread		-	1/16	1/8	1/4	3/8	1/2	3/4	1	1 & 1/4	1 & 1/2	2	2 & 1/2	3	4	5	6	---
Coils per inch (25.4 mm)	N		28	28	19	19	14	14	11	11	11	11	11	11	11	11	11	
Thread pitch	P		0.907	0.907	1.337	1.337	1.814	1.814	2.309	2.309	2.309	2.309	2.309	2.309	2.309	2.309	2.309	mm
Thread height	H		0.581	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	
Diameters in the gauge plane	Major (gauge diameter)	D	7.723	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03	138.43	163.83	
	Level	d2	7.142	9.147	13.301	15.806	19.793	25.279	31.77	40.431	46.324	58.135	73.705	86.405	111.551	136.95	162.351	
	Fine	d1	6.561	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072	135.47	160.872	
Measuring length (male)	Nominal	---	4	4	6	6.4	8.2	9.5	10.4	12.7	12.7	15.9	17.5	20.6	25.4	28.6	28.6	

thread)																		
	Tolerance (mm)	(+/- T1/2)	0.9	0.9	1.3	1.3	1.8	1.8	2.3	2.3	2.3	2.3	3.5	3.5	3.5	3.5	3.5	
	Thread's coil tolerance		1	1	1	1	1	1	1	1	1	1	1.5	1.5	1.5	1.5	1.5	---
	Max	---	4.9	4.9	7.3	7.7	10	11.3	12.7	15	15	18.2	21	24.1	28.9	32.1	32.1	mm
	Min	---	3.1	3.1	4.7	5.1	6.4	7.7	8.1	10.4	10.4	13.6	14	17.1	21.9	25.1	25.1	
Internal thread check plane position tolerance	Tolerance (mm)	(+/- T2/2)	1.1	1.1	1.7	1.7	2.3	2.3	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	3.5	
	Thread's coil tolerance		1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.5	1.5	1.5	1.5	1.5	---
Usable male thread's length no lesser than	For nominal measuring length	---	6.5	6.5	9.7	10.1	13.2	14.5	16.8	19.1	19.1	23.4	26.7	29.8	35.8	40.1	40.1	mm
	For maximum measuring length		7.4	7.4	11	11.4	15	16.3	19.1	21.4	21.4	25.7	30.2	33.3	39.3	43.6	43.6	
	For minimum measuring length		5.6	5.6	8.4	8.8	11.4	12.7	14.5	16.8	16.8	21.1	23.2	26.3	32.3	36.6	36.6	
Installation supplement	(mm)	---	2.5	2.5	3.7	3.7	5	5	6.4	6.4	6.4	7.5	9.2	9.2	10.4	11.5	11.5	

	thread coils		2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	3.25	4	4	4.5	5	5	---	
Parallel internal threads' diameter tolerance	---	---	+/- 0.071	+/- 0.071	+/- 0.071	+/- 0.104	+/- 0.142	+/- 0.142	+/- 0.18	+/- 0.18	+/- 0.18	+/- 0.18	+/- 0.18	+/- 0.216	+/- 0.216	+/- 0.216	+/- 0.216	+/- 0.216	+/- 0.216	mm



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