

Thread Dimensions

Nominal Dimensions of Standard Threads

ODM -- Outside Diameter of the Male IDF -- Inside Diameter of the Female TPI -- Threads per Inch

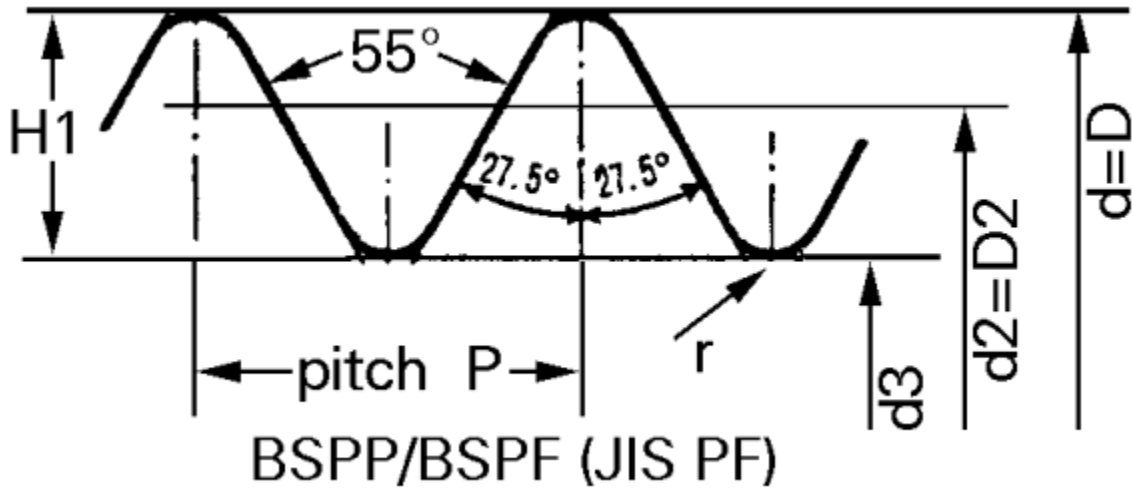
Size	Pipe O.D.	Tapered Threads		Straight Threads												
		NPT	BSPT _r	NPSH			NPSM			NST (NH)			BSPP			
		TPI	TPI	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	TPI	ODM (max)	IDF (min)	
1/8"	.405	27	28				27	0.397	0.358						0.383	0.337
1/4"	.504	18	19				18	0.526	0.468						0.516	0.450
3/8"	.675	18	19				18	0.662	0.603						0.656	0.588
1/2"	.840	14	14	14	0.8248	0.7395	14	0.823	0.747						0.825	0.733
3/4"	1.050	14	14	14	1.0353	0.9500	14	1.034	0.958	8	1.375	1.2246			1.041	0.950
1"	1.315	11.5	11	11.5	1.2951	1.1921	11.5	1.293	1.201	8	1.375	1.2246	11		1.309	1.193
1-1/4"	1.660	11.5	11	11.5	1.6399	1.5369	11.5	1.638	1.546				11		1.650	1.534
1-1/2"	1.900	11.5	11	11.5	1.8788	1.7758	11.5	1.877	1.785	9	1.990	1.8577			1.882	1.766
2"	2.375	11.5	11	11.5	2.3528	2.2498	11.5	2.351	2.259				11		2.347	2.231
2-1/2"	2.875	8	11	8	2.8434	2.6930	8	2.841	2.708	7.5	3.068	2.9104	11		2.960	2.844
3"	3.500	8	11				8	3.467	3.334	6	3.623	3.5306	11		3.460	3.344
4"	4.500	8	11				8	4.466	4.333	4	5.010	4.7111			4.450	4.334
4-1/2"										4	5.760	5.4611	11			
5"	5.563	8	11				8	5.528	5.395	4	6.260	5.9602	11		5.450	5.359
6"	6.625	8	11				8	6.585	6.452	4	7.025	6.7252			6.450	6.359
8"	8.625	8														
10"	10.750	8														
12"	12.750	8														

GHT (3/4") -- 1.0625 ODM, 11-1/2 TPI

NOTE: Female NPT (Tapered Pipe) thread is not available on hose swivel nuts.

**G-SERIES PIPE THREAD (BRITISH STANDARD PIPE PARALLEL
was BSPP & BSPF)**

PF-SERIES PIPE THREAD (JAPANESE PIPE PARALLEL)



British Pipe Thread (Whitworth Form) -- Parallel (BSPP/BSPF)

Thread Designation	Nominal Size	Thread Form Type	Major Diameter mm d=D	Pitch mm p	Threads per inch	Pitch Diameter mm d2=D2	Minor Diameter Male Thd. d3	Thread Height H1	Tap Drill Diameter mm
G1/8	1/8"	BSPP	9.728	0.907	28	9.147	8.566	0.581	8.70
G1/4	1/4"	BSPP	13.157	1.337	19	12.301	11.445	0.856	11.60
G3/8	3/8"	BSPP	16.662	1.337	19	15.806	14.950	0.856	15.00
G1/2	1/2"	BSPP	20.955	1.814	14	19.793	18.631	1.162	19.00
G5/8	5/8"	BSPP	22.911	1.814	14	21.749	20.587	1.162	20.75
G3/4	3/4"	BSPP	26.441	1.814	14	25.279	24.117	1.162	24.50
G7/8	7/8"	BSPP	30.201	1.814	14	29.039	27.877	1.162	28.00
G1	1"	BSPP	33.249	2.309	11	31.770	30.291	1.479	30.50
G1-1/8	1-1/8"	BSPP	37.897	2.309	11	36.418	34.939	1.479	35.00
G1-1/4	1-1/4"	BSPP	41.910	2.309	11	40.431	38.952	1.479	39.50
G1-3/8	1-3/8"	BSPP	44.323	2.309	11	42.844	41.365	1.479	41.50
G1-1/2	1-1/2"	BSPP	47.803	2.309	11	46.324	44.845	1.479	45.00
G1-3/4	1-3/4"	BSPP	53.746	2.309	11	52.267	50.788	1.479	51.00
G2	2"	BSPP	59.614	2.309	11	58.135	56.656	1.479	57.00
G2-1/4	2-1/4"	BSPP	65.71	2.309	11	64.231	62.752	1.479	63.00
G2-1/2	2-1/2"	BSPP	75.184	2.309	11	73.705	72.226	1.479	72.50
G2-3/4	2-3/4"	BSPP	81.534	2.309	11	80.055	78.576	1.479	79.00
3	3"	BSPP	87.884	2.309	11	86.405	84.926	1.479	85.50
G3-1/4	3-1/4"	BSPP	93.98	2.309	11	92.501	91.022	1.479	91.00
G3-1/2	3-1/2"	BSPP	100.33	2.309	11	98.351	97.372	1.479	97.75

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G3-3/4	3-3/4"	BSPP	106.68	2.309	11	105.201	103.722	1.479	104.00
G4	4"	BSPP	113.03	2.309	11	111.55	110.072	1.479	110.50
G4-1/2	4-1/2"	BSPP	125.73	2.309	11	124.251	122.772	1.479	123.00
G5	5"	BSPP	138.43	2.309	11	136.951	135.472	1.479	136.00
G5-1/2	5-1/2"	BSPP	151.13	2.309	11	149.651	148.172	1.479	148.50
G6	6"	BSPP	163.83	2.309	11	162.351	160.872	1.479	161.50

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