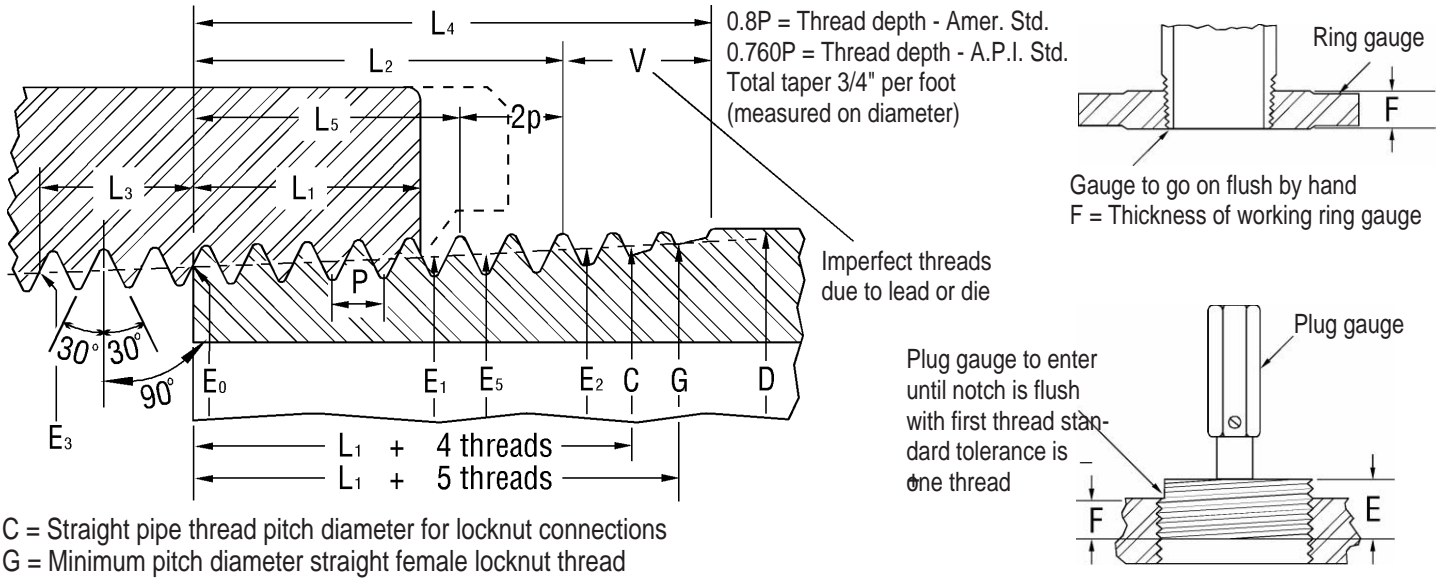


Standard thread dimensions



Nominal pipe size	Outside diameter of pipe	Threads per inch	Pitch of thread	Pitch diameter at beginning of external threads	Handtight engagement		Effective thread external		Wrench make-up length for internal thread		Overall length external thread
					Length	Pitch diameter	Length	Pitch diameter	Length	Pitch diameter	
inches	D	N	P	E_0	L_1 †	E_1	L_2 ‡	E_2	L_3	E_3	L_4
1/8	.405	27	.0370	.3635	.180	.3748	.2639	.3800	.1111	.3566	.3924
1/4	.540	18	.0556	.4774	.200	.4899	.4018	.5025	.1667	.4670	.5946
3/8	.675	18	.0556	.6120	.240	.6270	.4078	.6375	.1667	.6016	.6006
1/2	.840	14	.0714	.7584	.320	.7784	.5337	.7918	.2143	.7450	.7815
3/4	1.050	14	.0714	.9677	.339	.9889	.5457	1.0018	.2143	.9543	.7935
1	1.315	11-1/2	.0870	1.2136	.400	1.2386	.6828	1.2563	.2609	1.1973	.9845
1-1/4	1.660	11-1/2	.0870	1.5571	.420	1.5834	.7068	1.6013	.2609	1.5408	1.0085
1-1/2	1.900	11-1/2	.0870	1.7961	.420	1.8223	.7235	1.8413	.2609	1.7798	1.0252
2	2.375	11-1/2	.0870	2.2690	.436	2.2963	.7565	2.3163	.2609	2.2527	1.0582
2-1/2	2.875	8	.1250	2.7195	.682	2.7622	1.1375	2.7906	.2500	2.7039	1.5712
3	3.500	8	.1250	3.3406	.766	3.3885	1.2000	3.4156	.2500	3.3250	1.6337
3-1/2	4.000	8	.1250	3.8375	.821	3.8880	1.2500	3.9156	.2500	3.8219	1.6837
4	4.500	8	.1250	4.3344	.844	4.3871	1.3000	4.4156	.2500	4.3188	1.7337
* 4-1/2	5.000	8	.1250	4.8313	.875	4.8859	1.3500	4.8418	.....	.....	.....
5	5.563	8	.1250	5.3907	.937	5.4493	1.4063	5.4786	.2500	5.3751	1.8400
6	6.625	8	.1250	6.4461	.958	6.5060	1.5125	6.5406	.2500	6.4305	1.9462
* 7	7.625	8	.1250	7.4398	1.000	7.5023	1.6125	7.4524	.....	.....	.....
8	8.625	8	.1250	8.4336	1.063	8.5000	1.7125	8.5406	.2500	8.4180	2.1462
* 9	9.625	8	.1250	9.4273	1.130	9.4980	1.8125	9.4415	.....	.....	.....
10	10.750	8	.1250	10.5453	1.210	10.6209	1.9250	10.6656	.2500	10.5297	2.3587
* 11	11.750	8	.1250	11.5391	1.285	11.6194	2.0250	11.5549	.....	.....	.....
12	12.750	8	.1250	12.5328	1.360	12.6178	2.1250	12.6656	.2500	12.5172	2.5587
14	14.000	8	.1250	13.7750	1.562	13.8726	2.2500	13.9156	.2500	13.7594	2.6837
* 15	15.000	8	.1250	14.7688	1.687	14.8742	2.3500	14.7872	.....	.....	.....
16	16.000	8	.1250	15.7625	1.812	15.8758	2.4500	15.9156	.2500	15.7469	2.8837
* 17	17.000	8	.1250	16.7563	1.900	16.8750	2.5500	16.7762	.....	.....	.....
18	18.000	8	.1250	17.7500	2.000	17.8750	2.6500	17.9156	.2500	17.7344	3.0837
20	20.000	8	.1250	19.7375	2.125	19.8703	2.8500	19.9156	.2500	19.7219	3.2837
* 22	22.000	8	.1250	21.7250	2.250	21.8656	3.0500	21.7488	.....	.....	.....
24	24.000	8	.1250	23.7125	2.375	23.8609	3.2500	23.9156	.2500	23.6969	3.6837

Data per American Standard B2.1-1945 (For Taper Pipe Threads) and API Standard 6-A (for line pipe threads).

* Sizes discontinued in American Standards listed for reference only.

† Also length of plug gauge.

‡ Length of ring gauge and length from gauging notch to small end of plug gauge.

The American Standard Pipe Thread and the API Standard Line Pipe Thread are interchangeable.

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