

AMERICAN STANDARD AND DRYSEAL PIPE THREADS

Basic Dimensions — Taper Thread

Nominal Pipe Size Inches	Outside Diameter of Pipe Inches	Threads Per Inch	Pitch of Thread	Pitch Diameter at Gaging Notch Basic — Inches	Thickness of American Std. Thin Ring Gage and Distance from Small End to Gaging Notch — Inches	Effective Thread External — Inches	Wrench Take Up — Inches	Total Length of Thread — Inches	Pitch Diameter at Small End of Internal Effective Thread — Inches	Pitch Diameter at End of Pipe — Inches	N.P.T. Minor Diameter at End of Pipe — Inches	N.P.T. *Tap Drill Size	Drill Size N.P.T.F. Using Reamer
	D	n	p	E ₁	L ₁	L ₂	L ₃	L ₄	E ₃	E ₀	K ₀	N.P.T.	N.P.T.F.
1/8	.3125	27	.03704	.28118	.160	.2611	.1111	.3896	.26424	.27118	.2416	.246	.234
1/8	.405	27	.03704	.3736	.1615	.2639	.1111	.3924	.35656	.36351	.3339	.339	.328
1/4	.540	18	.05556	.4916	.2278	.4018	.1667	.5946	.46697	.47739	.4329	.438	.422
3/8	.675	18	.05556	.62701	.240	.4078	.1667	.6006	.60160	.61201	.5676	.578	.562
1/2	.840	14	.07143	.77843	.320	.5337	.2143	.7815	.74504	.75843	.7013	.703	.688
3/4	1.050	14	.07143	.98887	.339	.5457	.2143	.7935	.95429	.96768	.9105	.922	.891
1	1.315	11½	.08696	1.23863	.400	.6828	.2609	.9845	1.19733	1.21363	1.1441	1.156	1.125
1¼	1.660	11½	.08696	1.58338	.420	.7068	.2609	1.0085	1.54083	1.55713	1.4876	1.500	1.409
1½	1.900	11½	.08696	1.82234	.420	.7235	.2609	1.0252	1.77978	1.79609	1.7265	1.734	1.703
2	2.375	11½	.08696	2.29627	.436	.7565	.2609	1.0582	2.25272	2.26902	2.1995	2.219	2.188
2**	2.375	11½	.08696	2.29627	.668	.9884		1.2901					
2½	2.875	8	.12500	2.76216	.682	1.1375	.250	1.5713	2.70391	2.71953	2.6195	2.641	
3	3.500	8	.12500	3.38850	.766	1.2000	.250	1.6337	3.32500	3.34062	3.2406	3.266	
3½	4.000	8	.12500	3.88881	.821	1.2500	.250	1.6837	3.82188	3.83750	3.7375	3.750	
4	4.500	8	.12500	4.38712	.844	1.3000	.250	1.7337	4.31875	4.33438	4.2344	4.250	

* Methods of inspection vary. Care should be taken to use a tap drill or taper reamer which can meet thread specifications. Sizes given permit direct tapping without reaming the hole, but only give a full thread for the first two or three threads. See columns K₀ and L₃.

** A. P. I. line pipe. This is the only size line pipe that differs in length from the American Standard. Shown for reference only.