



Gilmour Supply Company

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ANSI Standard Iron Pipe Taper Threads

$A = G - (0.05 + 1.1) P$
 $B = A + .0625 F$
 $E = P(0.8G + 6.8)$
 Depth of Thread = 0.8P
 Total Taper 3/4 in. per foot

	A	B	E	F	G	H		P	
Nominal Size of Pipe	Pitch Diameter at End of Pipe	Pitch Diameter at Gauging Notch	Length of Effective Thread	Normal Engagement by Hand (Male / Female) Thread	Outside Diameter of Pipe	Actual Inside Diameter of Pipe	Number of Threads	Pitch of Thread	Depth of Thread
Inches	Inches	Inches	Inches	Inches	Inches	Inches	Per Inch	Inch	Inch
1/2	0.36351	0.37476	0.2638	0.18	0.405	0.269	27	0.37	0.02963
1/4	0.47739	0.48989	0.4018	0.2	0.54	0.364	18	0.556	0.04444
3/8	0.61201	0.62701	0.4078	0.24	0.675	0.493	18	0.556	0.04444
1/2	0.75843	0.77843	0.5337	0.32	0.84	0.622	14	0.714	0.05714
1/4	0.96768	0.98886	0.5457	0.339	1.05	0.824	14	0.714	0.05714
1	1.21363	1.23863	0.6828	0.4	1.315	1.049	11-1/2	0.087	0.06956
1-1/4	1.55713	1.58338	0.7068	0.42	1.66	1.38	11-1/2	0.087	0.06956
1-1/2	1.79609	1.82234	0.7235	0.42	1.9	1.61	11-1/2	0.087	0.06956
2	2.26902	2.29627	0.7565	0.436	2.375	2.067	11-1/2	0.087	0.06956
2-1/2	2.71953	2.76216	1.1375	0.682	2.875	2.469	8	0.125	0.1
3	3.34063	3.3885	1.2	0.766	3.5	3.068	8	0.125	0.1
3-1/2	3.8375	3.8881	1.25	0.821	4	3.548	8	0.125	0.1
4	4.33438	4.38713	1.3	0.844	4.5	4.026	8	0.125	0.1
5	5.39073	5.44929	1.4063	0.937	5.563	5.047	8	0.125	0.1
6	6.44609	6.50597	1.5125	0.958	6.625	6.065	8	0.125	0.1
8	8.43359	8.50003	1.7125	1.063	8.625	7.981	8	0.125	0.1
10	10.54531	10.62094	1.925	1.21	10.75	10.02	8	0.125	0.1
12	12.53281	12.61781	2.125	1.36	12.75	12	8	0.125	0.1
14 OD	13.775	13.87262	2.25	1.562	14	13.25	8	0.125	0.1
16 OD	15.7625	15.87575	2.45	1.812	16	15.25	8	0.125	0.1
18 OD	17.75	17.875	2.65	2	18	17.25	8	0.125	0.1
20 OD	19.7375	19.87031	2.85	2.125	20	19.25	8	0.125	0.1
22 OD	21.725	21.86562	3.05	2.25	22	21.25	8	0.125	0.1
24 OD	23.7125	23.86094	3.25	2.375	24	23.25	8	0.125	0.1