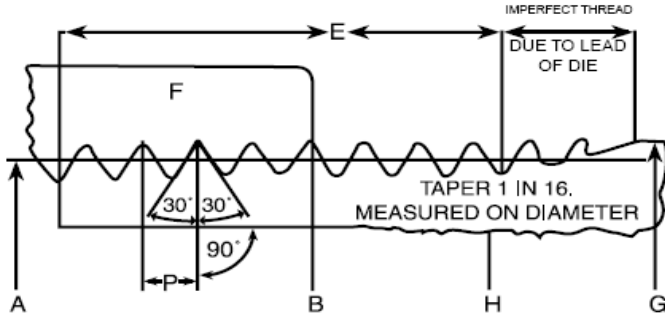




ANSI STANDARD IRON PIPE TAPER THREADS



$A = G - (0.05 + 1.1) P$

$B = A + .0625 F$

$E = P(0.8G + 6.8)$

Depth of Thread = $0.8P$

Total Taper 3/4" in. per foot

(Inch)

	A	B	E	F	G	H		P	
Nominal Size of Pipe	Pitch Dia. At End of Pipe	Pitch Dia. At Gauging Notch	Length of Effective Thread	Normal Engagement by Hand Between Male & Female Thread	Outside Dia. Of Pipe	Actual Inside Dia. Of Pipe	Number of Threads	Pitch of Thread	Depth of Thread
Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
1/8	0.36351	0.37476	0.2638	0.18	0.405	0.269	27	0.37	0.0296
1/4	0.47739	0.48989	0.4018	0.2	0.54	0.364	18	0.556	0.0444
3/8	0.61201	0.62701	0.4078	0.24	0.675	0.493	18	0.556	0.0444
1/2	0.75843	0.77843	0.5337	0.32	0.84	0.622	14	0.714	0.0571
3/4	0.96768	0.98886	0.5457	0.339	1.05	0.824	14	0.714	0.0571
1	1.21363	1.23863	0.6828	0.4	1.315	1.049	11 1/2	0.087	0.0696
1 1/4	1.55713	1.58338	0.7068	0.42	1.66	1.38	11 1/2	0.087	0.0696
1 1/2	1.79609	1.82234	0.7235	0.42	1.9	1.61	11 1/2	0.087	0.0696
2	2.26902	2.29627	0.7565	0.436	2.375	2.067	11 1/2	0.087	0.0696
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 O.D.	13.775	13.87262	2.25	1.562	14	13.25	8	0.125	0.1
16 O.D.	15.7625	15.87575	2.45	1.812	16	15.25	8	0.125	0.1
18 O.D.	17.75	17.875	2.65	2	18	17.25	8	0.125	0.1
20 O.D.	19.7375	19.87031	2.85	2.125	20	19.25	8	0.125	0.1
22 O.D.	21.725	21.86562	3.05	2.25	22	21.25	8	0.125	0.1
24 O.D.	23.7125	23.86094	3.25	2.375	24	23.25	8	0.125	0.1

Data abstracted from the USA Standard for Pipe Threads B2.1