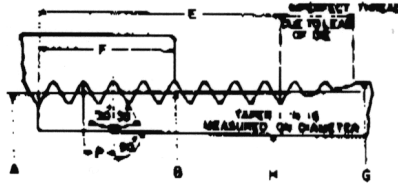


# ANS STANDARD IRON PIPE TAPER THREADS



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

$$B = A + .0625 F$$

$$E = P(0.8G + 6.8)$$

Depth of Thread = 0.8P  
Total Taper 3/4 in. per foot

Nominal Size of Pipe	A	B	E	F	G	H		P	
	Pitch Dia. At End of Pipe	Pitch Dia. At Gauging Notch	Length of Effective Thread	Normal Engagement by Hand Between Male and 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	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 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.