



DEACON INDUSTRIAL SUPPLY COMPANY, INC.

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	
Inches	Pitch Dia. At End of Pipe Inches	Pitch Dia. At Gauging Notch Inches	Length of Effective Thread Inches	Normal Engagement by Hand Between Male and Female Thread Inches	Outside Dia. Of Pipe Inches	Actual Inside Dia. Of Pipe Inches	Number of Threads Per Inch	Pitch of Thread Inch	Depth of Thread 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	3.88881	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.