

## Pipes and Tubes Dimension

The following chart gives standard pipe schedule or pipes sizes as given by ANSI / ASME B36.10M and API 5L . Data given in based on the NPS Tables given by ANSI B36.10M and includes Pipe wall thickness, outside diameter, nominal diameter.

ANSI - American National Standards Institute ASME - American Society of Mechanical Engineers API = American Petroleum Institute NPS = Nominal Pipe Size O.D. = Outside Diameter E.H. = Extra Heavy Dbl. = Double Std. = Standard	Pipe size is specified by two designations: a nominal pipe size (NPS) for diameter based on inches, and a schedule (Sched. or Sch.) for wall thickness. NPS is often incorrectly called National Pipe Size, due to confusion with national pipe thread (NPT).  The European (ISO) designation equivalent to NPS is DN (diamètre nominal/nominal diameter/Durchmesser nach Norm), in which sizes are measured in millimetres. The term NB (nominal bore) is also frequently used interchangeably with NPS
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### Standard Pipe Schedules (40, 80, 160, etc..)

No m.	O.D. Inches	PIPE SCHEDULES															
		WALL THICKNESS ( Inches)															
		5s	5	10s	10	20	30	40s & Std	40	60	80s & E.H	80	100	120	140	160	Dbl. E.H. (XX H)
1/8	.405		.035	.049	.049			.068	.068		.095	.095					
1/4	.540		.049	.065	.065			.088	.088		.119	.119					
3/8	.675		.049	.065	.065			.091	.091		.126	.126					
1/2	.840	.065	.065	.083	.083			.109	.109		.147	.147				.187	.294
3/4	1.050	.065	.065	.083	.083			.113	.113		.154	.154				.218	.308
1	1.315	.065	.065	.109	.109			.133	.133		.179	.179				.250	.358
1 1/4	1.660	.065	.065	.109	.109			.140	.140		.191	.191				.250	.382
1 1/2	1.900	.065	.065	.109	.109			.145	.145		.200	.200				.281	.400
2	2.375	.065	.065	.109	.109			.154	.154		.218	.218				.343	.436
2 1/2	2.875	.083	.083	.120	.120			.203	.203		.276	.276				.375	.552

3	3.500	.083	.083	.120	.120			.216	.216		.300	.300			.437	.600	
3 1/2	4.000	.083	.083	.120	.120			.226	.226		.318	.318				.636	
4	4.500	.083	.083	.120	.120			.237	.237	.281	.337	.337		.437	.531	.674	
4 1/2	5.000							.247			.355					.710	
5	5.563	.109	.109	.134	.134			.258	.258		.375	.375		.500	.625	.750	
6	6.625	.109	.109	.134	.134			.280	.280		.432	.432		.562	.718	.864	
7	7.625							.301			.500					.875	
8	8.625	.109	.109	.148	.148	.250	.277	.322	.322	.406	.500	.500	.593	.718	.812	.906	.875
9	9.625							.342			.500						
10	10.75 0	.134	.134	.165	.165	.250	.307	.365	.365	.500	.500	.593	.718	.843	1.00 0	1.12 5	
11	11.75 0							.375			.500						
12	12.75 0	.156	.165	.180	.180	.250	.330	.375	.406	.562	.500	.687	.843	1.00 0	1.12 5	1.31 2	
14	14.00 0	.156		.188	.250	.312	.375	.375	.437	.593	.500	.750	.937	1.09 3	1.25 0	1.40 6	
16	16.00 0	.165		.188	.250	.312	.375	.375	.500	.656	.500	.843	1.03 1	1.21 8	1.43 7	1.59 3	
18	18.00 0	.165		.188	.250	.312	.437	.375	.562	.750	.500	.937	1.15 6	1.37 5	1.56 2	1.78 1	
20	20.00 0	.188		.218	.250	.375	.500	.375	.593	.812	.500	1.03 1	1.28 0	1.50 0	1.75 0	1.96 8	
24	24.00 0	.218		.250	.250	.375	.562	.375	.687	.968	.500	1.21 8	1.53 1	1.81 2	2.06 2	2.34 3	
26	26.00 0				.312	.500		.375			.500						
28	28.00 0				.312	.500	.625	.375									
30	30.00 0	.250		.312	.312	.500	.625	.375			.500						
32	32.00 0				.312	.500	.625	.375	.688		.500						
34	34.00				.312	.500	.625	.375	.688								
36	36.00 0				.312		.625	.375	.750		.500						
42	42.00							.375			.500						

	0																	
48	48.00						.375			.500								
	0																	