

## 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.

<p><b>ANSI</b> - American National Standards Institute  <b>ASME</b> - American Society of Mechanical Engineers  <b>API</b> = American Petroleum Institute  <b>NPS</b> = Nominal Pipe Size  <b>O.D.</b> =. Outside Diameter  <b>E.H.</b> = Extra Heavy  <b>DbL.</b> = Double  <b>Std.</b> = Standard</p>	<p>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).</p> <p>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</p>
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### Standard Pipe Schedules (40, 80, 160, etc..)

No m.	O.D. Inches	PIPE SCHEDULES															DbL. E.H. (XX H)
		WALL THICKNESS ( Inches)															
		5s	5	10s	10	20	30	40s & Std	40	60	80s & E.H.	80	100	120	140	160	
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							

