



"Metal Buying, Made Easy!"

Pipe tolerances are much less restrictive than "tubing" and in general should not be used when Inside Diameter tight tolerances are required such as slip fitting, etc. The general requirement standard covering most stainless pipe is ASTM/ASME A/SA 999. The OD under tolerance on all sizes is $-0.031''$. The over tolerance increases with OD size but for the range of 1-1/2 to 4 NPS the plus tolerance is also $0.031''$. Only the minimum wall thickness is limited, which is -12.5% of the nominal wall. There is no maximum wall thickness limit. For seamless pipe, there is a limit of 10% by weight (mass) over the nominal weight. Note that this limits the average wall thickness of the seamless pipe to being no more than 10% heavy, but does not limit the specific maximum wall thickness at any given point. There is no maximum thickness or weight limit for welded pipe.

SCHEDULE 5 PIPE

PIPE SIZE	Outside Diameter	Wall	Inside Diameter
1/8"	0.405	0.035	0.335
1/4"	0.540	0.049	0.442
3/8"	0.675	0.049	0.577
1/2"	0.840	0.065	0.710
3/4"	1.050	0.065	0.920
1"	1.315	0.065	1.185
1-1/4"	1.660	0.065	1.530
1-1/2"	1.900	0.065	1.770
2"	2.375	0.065	2.245
2-1/2"	2.875	0.083	2.709
3"	3.500	0.083	3.334
3-1/2"	4.000	0.083	3.834
4"	4.500	0.083	4.334
5"	5.563	0.109	5.345
6"	6.625	0.109	6.407
8"	8.625	0.109	8.407
10"	10.750	0.134	10.482
12"	12.750	0.156	12.438

SCHEDULE 10 PIPE

PIPE SIZE	Outside Diameter	Wall	Inside Diameter
1/8"	0.405	0.049	0.307
1/4"	0.540	0.065	0.410
3/8"	0.675	0.065	0.545
1/2"	0.840	0.083	0.674
3/4"	1.050	0.083	0.884
1"	1.315	0.109	1.097
1-1/4"	1.660	0.109	1.442
1-1/2"	1.900	0.109	1.682
2"	2.375	0.109	2.157
2-1/2"	2.875	0.120	2.635
3"	3.500	0.120	3.260
3-1/2"	4.000	0.120	3.760
4"	4.500	0.120	4.260
5"	5.563	0.134	5.295
6"	6.625	0.134	6.357
8"	8.625	0.148	8.329
10"	10.750	0.165	10.420
12"	12.750	0.180	12.390

SCHEDULE 40 PIPE

PIPE SIZE	Outside Diameter	Wall	Inside Diameter
1/8"	0.405	0.068	0.269
1/4"	0.540	0.088	0.364
3/8"	0.675	0.091	0.493
1/2"	0.840	0.109	0.622
3/4"	1.050	0.113	0.824
1"	1.315	0.133	1.049
1-1/4"	1.660	0.140	1.380
1-1/2"	1.900	0.145	1.610
2"	2.375	0.154	2.067
2-1/2"	2.875	0.203	2.469
3"	3.500	0.216	3.068
3-1/2"	4.000	0.226	3.548
4"	4.500	0.237	4.026
5"	5.563	0.258	5.047
6"	6.625	0.280	6.065
8"	8.625	0.322	7.981

SCHEDULE 80 PIPE

PIPE SIZE	Outside Diameter	Wall	Inside Diameter
1/8"	0.405	0.095	0.215
1/4"	0.540	0.119	0.302
3/8"	0.675	0.126	0.423
1/2"	0.840	0.147	0.546
3/4"	1.050	0.154	0.742
1"	1.315	0.179	0.957
1-1/4"	1.660	0.191	1.278
1-1/2"	1.900	0.200	1.500
2"	2.375	0.218	1.939
2-1/2"	2.875	0.276	2.323
3"	3.500	0.300	2.900
3-1/2"	4.000	0.318	3.364
4"	4.500	0.337	3.826
5"	5.563	0.375	4.813
6"	6.625	0.432	5.761
8"	8.625	0.500	7.625

SCHEDULE 160 PIPE

PIPE SIZE	Outside Diameter	Wall	Inside Diameter
1/2"	0.840	0.188	0.464
3/4"	1.050	0.219	0.612
1"	1.315	0.250	0.815
1-1/4"	1.660	0.250	1.160
1-1/2"	1.900	0.281	1.338
2"	2.375	0.344	1.687
2-1/2"	2.875	0.375	2.125
3"	3.500	0.438	2.624
4"	4.500	0.531	3.438
5"	5.563	0.625	4.313
6"	6.625	0.719	5.187
8"	8.625	0.906	6.813

SCHEDULE XXH PIPE

PIPE SIZE	Outside Diameter	Wall	Inside Diameter
1/2"	0.840	0.294	0.252
3/4"	1.050	0.308	0.434

1"	1.315	0.358	0.599
1-1/4"	1.660	0.382	0.896
1-1/2"	1.900	0.400	1.100
2"	2.375	0.436	1.503
2-1/2"	2.875	0.552	1.771
3"	3.500	0.600	2.300
3-1/2"	4.000	0.636	2.728
4"	4.500	0.640	3.220
5"	5.563	0.750	4.063
6"	6.625	0.864	4.897
8"	8.625	0.875	6.875