

The A312/A312M-02 Standard Specification for Seamless and Welded Austenitic Stainless Steel Pipes covers seamless, straight-seam welded, and heavily cold worked welded austenitic stainless steel pipe intended for high-temperature and general corrosive service.

Nominal Size (inches)	Schedule Number	Outside Diameter (inches)	Wall Thickness (inches)	Inside Diameter (inches)	Bursting Internal Pressure (psi)	Collapsing External Pressure (psi)
1/8	10	0.405	0.049	0.307	18,150	7,468
	40	0.405	0.068	0.269	25,195	10,761
	80	0.405	0.095	0.215	35,185	15,441
1/4	10	0.54	0.065	0.41	18,055	7,425
	40	0.54	0.088	0.364	24,444	10,415
	80	0.54	0.119	0.302	33,055	14,445
3/8	10	0.678	0.065	0.545	14,380	5,705
	40	0.678	0.091	0.493	20,132	8,397
	80	0.678	0.126	0.423	27,876	12,021
1/2	5	0.84	0.065	0.71	11,607	4,407
	10	0.84	0.083	0.674	14,821	5,911
	40	0.84	0.109	0.622	19,464	8,084
	80	0.84	0.147	0.546	26,250	11,260
3/4	5	1.05	0.065	0.92	9,285	3,295
	10	1.05	0.083	0.884	11,857	4,524
	40	1.05	0.113	0.824	16,142	6,529
	80	1.05	0.154	0.742	22,000	9,271
1	5	1.315	0.065	1.185	7,414	2,445
	10	1.315	0.109	1.097	12,433	3,795
	40	1.315	0.133	1.049	15,171	6,075
	80	1.315	0.179	0.957	20,418	8,530
1 1/4	5	1.66	0.065	1.53	5,873	1,725
	10	1.66	0.109	1.442	9,849	3,585
	40	1.66	0.14	1.38	12,650	3,895
	80	1.66	0.191	1.278	17,259	7,052
1 1/2	5	1.9	0.065	1.77	5,131	1,376
	10	1.9	0.109	1.682	8,605	3,002
	40	1.9	0.145	1.61	11,447	4,332
	80	1.9	0.2	1.5	15,789	6,364
2	5	2.375	0.065	2.245	4,105	896
	10	2.375	0.109	2.157	6,884	2,196
	40	2.375	0.154	2.067	9,726	3,526
	80	2.375	0.218	1.939	13,768	5,418
2 1/2	5	2.875	0.083	2.709	4,330	1,001
	10	2.875	0.12	2.635	6,260	1,905
	40	2.875	0.203	2.469	10,591	3,931
3	5	3.5	0.083	3.334	3,557	639
	10	3.5	0.12	3.26	5,142	1,375
	40	3.5	0.216	3.068	9,257	3,307
3 1/2	5	4	0.083	3.834	3,112	431
	10	4	0.12	3.76	4,500	1,081
	5	4.5	0.083	4.334	2,766	315
	10	4.5	0.12	4.26	4,000	845

4	40	4.5	0.237	4.026	7,900	2,672
5	5	5.563	0.109	5.345	2,949	350
	10	5.563	0.134	5.295	3,613	665
6	5	6.625	0.109	6.407	2,467	129
	10	6.625	0.134	6.357	3,033	394