

Zhengzhou Huitong Pipeline Equipment Co., LTD.



PIPELINE

ANSI / ASME B36.19 Stainless Steel Pipe Specification

General:

ASME B36.19M is the standard specification for Welded and Seamless Wrought Stainless Steel Pipe. ANSI B36.19 covers dimensions, wall thicknesses, tolerances, and theoretical weights for stainless steel pipe production. This standard must be distinguished from the carbon steel/alloy pipe standard ASME B36.10. Pipes with nominal pipe sizes ranging from NPS 1/8 to NPS 30, including specifications such as 5S, 10S, 40S, 80S, and 160S, where "S" denotes stainless steel.

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ASME B36.19 Stainless Steel Pipe Dimensions (inch)

Nominal Pipe Size		OD(mm) outside diameter	Sch5S (in)	Sch10S (in)	Sch40S (in)	Sch80S (in)	Sch160S (in)
DN	NPS						
6	1/8	10.3		0.049	0.068	0.095	0.124
8	1/4	13.7		0.065	0.088	0.119	0.145
10	3/8	17.1		0.065	0.091	0.126	0.158
15	1/2	21.3	0.065	0.083	0.109	0.147	0.188
20	3/4	26.7	0.065	0.083	0.113	0.154	0.219
25	1	33.4	0.065	0.109	0.133	0.179	0.250
32	1 1/4	42.2	0.065	0.109	0.140	0.191	0.250
40	1 1/2	48.3	0.065	0.109	0.145	0.200	0.281
50	2	60.3	0.065	0.109	0.154	0.218	0.344
65	2 1/2	73	0.083	0.120	0.203	0.276	0.375
80	3	88.9	0.083	0.120	0.216	0.300	0.438
90	3 1/2	101.6	0.083	0.120	0.226	0.318	
100	4	114.3	0.083	0.120	0.237	0.337	0.531
125	5	141.3	0.109	0.13	0.258	0.375	0.625
150	6	168.3	0.109	0.13	0.280	0.432	0.719
200	8	219.1	0.109	0.148	0.322	0.500	
250	10	273.1	0.13	0.165	0.365	0.500	
300	12	323.9	0.156	0.18	0.375	0.500	
350	14	355.6	0.156	0.188	0.375	0.500	
400	16	406.4	0.165	0.188	0.375	0.500	
450	18	457	0.165	0.188	0.375	0.500	
500	20	508	0.188	0.218	0.375	0.500	
550	22	559	0.188	0.218			
600	24	610	0.218	0.250	0.375	0.5	
650	26	660					
700	28	711					
750	30	762	0.25	0.312			

ASME B36.19 Stainless Steel Pipe Dimensions (mm)

Nominal Pipe Size		OD(mm) outside diameter	Sch5S (mm)	Sch10S (mm)	Sch40S (mm)	Sch80S (mm)	Sch160S (mm)
DN	NPS						
6	1/8	10.3		1.24	1.73	2.41	3.15
8	1/4	13.7		1.65	2.24	3.02	3.68
10	3/8	17.1		1.65	2.31	3.2	4.01
15	1/2	21.3	1.65	2.11	2.77	3.73	4.78
20	3/4	26.7	1.65	2.11	2.87	3.91	5.56
25	1	33.4	1.65	2.77	3.38	4.55	6.35
32	1 1/4	42.2	1.65	2.77	3.56	4.85	6.35
40	1 1/2	48.3	1.65	2.77	3.68	5.08	7.14
50	2	60.3	1.65	2.77	3.91	5.54	8.74
65	2 1/2	73	2.11	3.05	5.16	7.01	9.52
80	3	88.9	2.11	3.05	5.49	7.62	11.13
90	3 1/2	101.6	2.11	3.05	5.74	8.08	
100	4	114.3	2.11	3.05	6.02	8.56	13.49
125	5	141.3	2.77	3.40	6.55	9.53	15.88
150	6	168.3	2.77	3.40	7.11	10.97	18.26
200	8	219.1	2.77	3.76	8.18	12.7	
250	10	273.1	3.40	4.19	9.27	12.7	
300	12	323.9	3.96	4.57	9.53	12.7	
350	14	355.6	3.96	4.78	9.53	12.7	
400	16	406.4	4.19	4.78	9.53	12.7	
450	18	457	4.19	4.78	9.53	12.7	
500	20	508	4.78	5.54	9.53	12.7	
550	22	559	4.78	5.54			
600	24	610	5.54	6.35	9.53	12.7	
650	26	660					
700	28	711					
750	30	762	6.35	7.92			