

U.S. piping grading table

Nominal size		outer diameter	ANSI B36.19				ANSI B36.10													
DN	NPS	mm	5S	10S	40S	80S	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS	
6	1/8"	10.29		1.24	1.73	2.41				1.73	1.73		2.41	2.41						
8	1/4"	13.72		1.65	2.24	3.02				2.24	2.24		3.02	3.02						
10	3/8"	17.15		1.65	2.31	3.20				2.31	2.31		3.20	3.20						
15	1/2"	21.34	1.65	2.11	2.77	3.73				2.77	2.77		3.73	3.73					4.78	7.47
20	3/4"	26.67	1.65	2.77	2.87	3.91				2.87	2.87		3.91	3.91					5.56	7.82
25	1"	33.4	1.65	2.77	3.38	4.55			3.38	3.38		4.55							6.35	9.09
32	1 1/4"	42.16	1.65	2.77	3.56	4.85			3.56	3.56		4.85							6.35	9.70
40	1 1/2"	48.26	1.65	2.77	3.68	5.08			3.68	3.68		5.08							7.14	10.16
50	2"	60.33	2.11	2.77	3.91	5.54			3.91	3.91		5.54							8.74	11.07
65	2 1/2"	73.03	2.11	3.05	5.16	7.01			5.16	5.16		7.01							9.52	14.02
80	3"	88.9	2.11	3.05	5.49	7.62			5.49	5.49		7.62							11.13	15.24
90	3 1/2"	101.6	2.11	3.05	5.74	8.08			5.74	5.74		8.08								
100	4"	114.3	2.11	3.05	6.02	8.56			6.02	6.02		8.56	8.56		11.13				13.50	17.12
125	5"	141.3	2.77	3.4	6.55	9.52			6.55	6.55		9.52	9.52		12.70				15.90	19.05
150	6"	168.28	2.77	3.4	7.11	10.97			7.11	7.11		10.97	10.97		14.30				18.20	21.95
200	8"	219.08	2.77	3.76	8.18	12.7		6.35	7.04	8.18	8.18	10.30	12.70	12.70	15.10	18.20	20.60	23.00	22.22	
250	10"	273.05	3.40	4.19	9.27	12.7		6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58		
300	12"	323.85	3.96	4.57	9.52	12.7		6.35	8.38	9.52	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32		
350	14"	355.6	3.98	4.78			6.35	7.92	9.52	9.52	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71		
400	16"	406.4	4.19	4.78			6.35	6.35	9.52	9.52	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49		
450	18"	457.2	4.19	4.78			6.35	7.92	11.13	9.52	14.27	19.05	12.70	23.93	29.36	34.92	39.67	45.24		
500	20"	508	4.77	5.53			6.35	9.52	12.70	9.52	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01		
550	22"	558.8	9.52	5.53			6.35	9.52	12.70	9.52	15.87	22.22	12.70	28.57	34.92	41.27	47.62	53.97		
600	24"	609.6	5.54	6.35			6.35	9.52	14.70	9.52	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54		
650	26"	660.4					7.92	12.70		9.52			12.70							
700	28"	711.2					7.92	12.70	15.88	9.52			12.70							
750	30"	762	6.35	7.92			7.92	12.70	15.88	9.52			12.70							
800	32"	812.8					7.92	12.70	15.88	9.52			12.70							