

Wall Thickness Conversion Table

OD																		
Nominal diameter			sch5s	sch10s	sch20s	LG	sch20	sch30	STD	sch40	sch60	xs	sch80	sch100	sch120	sch140	sch160	NPS
DN	Series A	Series B																Inch
15	21.3	18	1.6	2.1	2.6	---	---	---	---	2.9	---	---	3.6	---	---	---	4.5	1/2
20	26.9	25	1.6	2.1	2.6	---	---	---	---	2.9	---	---	4	---	---	---	5.6	3/4
25	33.7	32	1.6	2.8	3.2	---	---	---	---	3.2	---	---	4.5	---	---	---	6.3	1
32	42.4	38	1.6	2.8	3.2	---	---	---	---	3.6	---	---	5	---	---	---	6.3	1 1/4
40	48.3	45	1.6	2.8	3.2	---	---	---	---	3.6	---	---	5	---	---	---	7.1	1 1/2
50	60.3	57	1.6	2.8	3.6	---	3.2	---	---	4	---	---	5.6	---	---	---	8.8	2
65	76.1	76	2	3	3.6	---	4.5	---	---	5	---	---	7.1	---	---	---	10	2 1/2
80	88.9	89	2	3	4	---	4.5	---	---	5.6	---	---	8	---	---	---	11	3
90	101.6	---	2	3	4	---	4.5	---	---	5.6	---	---	8	---	---	---	12.5	3 1/2
100	114.3	108	2	3	4	---	5	---	---	5.9	---	---	8.8	---	11	---	14.2	4
125	139.7	133	2.9	3.4	5	---	5	---	---	6.3	---	---	10	---	12.5	---	16	5
150	168.3	159	2.9	3.4	5	---	5.6	---	---	7.1	---	---	11.1	---	14.2	---	17.5	6
200	219.1	219	2.9	4	6.3	---	6.3	7.1	---	8	10	---	12.5	16	17.5	20	22.2	8
250	273	273	3.6	4	6.3	---	6.3	8	---	8.8	12.5	---	16	17.5	22.2	25	28	10
300	323.9	325	4	4.5	6.3	---	6.3	8.8	---	10	14.2	---	17.5	22.2	25	28	32	12
350	355.6	377	4	5	8	8	8	10	10	11	16	13	20	25.8	28	32	36	14
400	406.4	426	4	5	8	8	8	10	10	12.5	17.5	13	22.2	28	30	36	40	16
450	457.2	478	4	5	8	8	8	11	10	14.2	20	13	25	30	36	40	45	18
500	508	529	5	5.6	8	8	10	12.5	10	16	20	13	28	32	40	45	50	20
550	559	---	5	5.6	---	8	---	---	10	---	---	13	30					22
600	610	630	5.6	6.3	---	8	---	---	10	17.5	---	13	32					24
650	660	---	---	---	---	8	---	---	10	---	---	13						26
700	711	720	---	---	---	8	---	---	10	---	---	13						28
750	762	---	---	---	---	8	---	---	10	---	---	13						30
800	813	820	---	---	---	8	---	---	10	---	---	13						32
850	864	---	---	---	---	8	---	---	10	---	---	13						34
900	914	920	---	---	---	8	---	---	10	---	---	13						36
950	965	---	---	---	---	8	---	---	10	---	---	13						38
1000	1016	1020	---	---	---	8	---	---	10	---	---	13						40
1050	1067	---	---	---	---	8	---	---	10	---	---	13						42
1100	1118	1120	---	---	---	8	---	---	10	---	---	13						44
1150	1168	---	---	---	---	8	---	---	10	---	---	13						46
1200	1220	1220	---	---	---	8	---	---	10	---	---	13						48

Note: 1, sch5s, 10s, 40s, 80s for stainless steel pipe fittings
 2. GB 12459 is the standard for seamless butt welded pipe fittings, and GB/T 13401 is the standard for butt welded pipe fittings.
 Note: 1, sch5s, 10s, 40s, 80s for stainless steel pipe fittings

ANSI B36.19/B36.10

nominal diameter	OD	sch5s	sch10s	sch10	sch20	sch30	sch40s	STD	sch40	sch60	sch80s	XS	sch80	sch100	sch120	sch140	sch160	XXS
1/8	10.3	---	1.24	---	---	---	1.73	1.73	1.73	---	2.41	2.41	2.41	---	---	---	---	---
1/4	13.7	---	1.65	---	---	---	2.24	2.24	2.24	---	3.02	3.02	3.02	---	---	---	---	---
3/8	17.1	---	1.65	---	---	---	2.31	2.31	2.31	---	3.2	3.2	3.2	---	---	---	---	---
1/2	21.3	1.65	2.11	---	---	---	2.77	2.77	2.77	---	3.73	3.73	3.73	---	---	---	4.78	7.47
3/4	26.7	1.65	2.11	---	---	---	2.87	2.87	2.87	---	3.91	3.91	3.91	---	---	---	5.56	7.82
1	33.4	1.65	2.77	---	---	---	3.38	3.38	3.38	---	4.55	4.55	4.55	---	---	---	6.35	9.09
1 1/4	42.2	1.65	2.77	---	---	---	3.56	3.56	3.56	---	4.85	4.85	4.85	---	---	---	6.35	9.7
1 1/2	48.3	1.65	2.77	---	---	---	3.68	3.68	3.68	---	5.08	5.08	5.08	---	---	---	7.14	10.15
2	60.3	1.65	2.77	---	---	---	3.91	3.91	3.91	---	5.54	5.54	5.54	---	---	---	8.74	11.07
2 1/2	73	2.11	3.05	---	---	---	5.16	5.16	5.16	---	7.01	7.01	7.01	---	---	---	9.53	14.02
3	88.9	2.11	3.05	---	---	---	5.49	5.49	5.49	---	7.62	7.62	7.62	---	---	---	11.13	15.24
3 1/2	101.6	2.11	3.05	---	---	---	5.74	5.74	5.74	---	8.08	8.08	8.08	---	---	---	---	---
4	114.3	2.11	3.05	---	---	---	6.02	6.02	6.02	---	8.56	8.56	8.56	---	11.13	---	13.49	17.12
5	141.3	2.77	3.4	---	---	---	6.55	6.55	6.55	---	9.53	9.53	9.53	---	12.7	---	15.88	19.05
6	168.3	2.77	3.4	---	---	---	7.11	7.11	7.11	---	10.97	10.97	10.97	---	14.27	---	18.26	21.95
8	219.1	2.77	3.76	---	6.35	7.04	8.18	8.18	8.18	10.31	12.7	12.7	12.7	15.09	18.26	20.62	23.01	22.23
10	273.1	3.4	4.19	---	6.35	7.8	9.27	9.27	9.27	12.7	12.7	12.7	15.09	18.26	21.44	25.4	28.58	25.4
12	323.9	3.96	4.57	---	6.35	8.38	9.53	9.53	10.31	14.27	12.7	12.7	17.48	21.44	25.4	28.58	33.32	25.4
14	355.6	3.96	4.78	6.35	7.92	9.53	---	9.53	11.13	15.09	---	12.7	19.05	23.83	27.79	31.75	35.71	
16	406.4	4.19	4.78	6.35	7.92	9.53	---	9.53	12.7	16.66	---	12.7	21.44	26.19	30.96	36.53	40.49	
18	457.2	4.19	4.78	6.35	7.92	11.13	---	9.53	14.27	19.05	---	12.7	23.83	29.36	34.93	39.67	45.24	
20	508	4.78	5.54	6.35	9.53	12.7	---	9.53	15.09	20.62	---	12.7	26.19	32.54	38.1	44.45	50.01	
22	558.8	4.78	5.54	6.35	9.53	12.7	---	9.53	---	22.23	---	12.7	28.58	34.93	41.28	47.63	53.98	
24	609.6	5.54	6.35	6.35	9.53	14.27	---	9.53	17.48	24.61	---	12.7	30.96	38.89	46.02	52.37	59.54	
26	660.4	---	---	7.92	12.7	---	---	9.53	---	---	---	12.7						
28	711.2	---	---	7.92	12.7	15.88	---	9.53	---	---	---	12.7						
30	762	6.35	7.92	7.92	12.7	15.88	---	9.53	---	---	---	12.7						
32	812.8	---	---	7.92	12.7	15.88	17.48	9.53	17.48	---	---	12.7						
34	863.6	---	---	7.92	12.7	15.88	17.48	9.53	17.48	---	---	12.7						
36	914.4	---	---	7.92	12.7	15.88	19.05	9.53	19.05	---	---	12.7						
38	965.2	---	---	---	---	---	---	9.53	---	---	---	12.7						
40	1016	---	---	---	---	---	---	9.53	---	---	---	12.7						
42	1066.8	---	---	---	---	---	---	9.53	---	---	---	12.7						
44	1117.6	---	---	---	---	---	---	9.53	---	---	---	12.7						
46	1168.4	---	---	---	---	---	---	9.53	---	---	---	12.7						
48	1219.2	---	---	---	---	---	---	9.53	---	---	---	12.7						

Note: sch5s, 10s, 40s, 80s are used for steel pipe fittings. ANSI B36.19/B36.10