

# Wall thickness table DIN / ISO / EN / ASME

NPS		Outside diameter in mm				DIN / ISO Wall thicknesses					Wall thicknesses in acc. with DIN EN 10253-2								Wall thicknesses / Schedule in acc. with ASME B 36.10 Wall thicknesses series ASME B 36.19 Stainless steel series 5S, 10S, 40S, 80S																		
DN	INCH	DIN	ISO	EN	ASME	1	2	3	4	5	1	2	3	4	5	6	7	8	5 S	5	10 S	10	20	30	40 S	STD	40	60	80S	XS	80	100	120	140	160	XXS	
15	1/2"	20.0	21.3	21.3	21.3	1.6	-	2.0	3.2	4.0	-	2.0	2.6	3.2	4.0	-	5.0	7.1	1.65	1.65	2.11	2.11	-	2.41	2.77	2.77	2.77	-	3.73	3.73	3.73	-	-	-	4.78	7.47	
20	3/4"	25.0	26.9	26.9	26.7	1.6	-	2.3	3.2	4.0	-	2.3	2.6	3.2	4.0	4.5	5.6	8.0	1.65	1.65	2.11	2.11	-	2.41	2.87	2.87	2.87	-	3.91	3.91	3.91	-	-	-	5.56	7.82	
25	1"	30.0	33.7	33.7	33.4	2.0	-	2.6	3.2	4.0	-	2.6	3.2	<b>4.0</b>	<b>4.5</b>	5.6	6.3	8.8	1.65	1.65	2.77	2.77	-	2.90	3.38	3.38	3.38	-	4.55	4.55	4.55	-	-	-	6.35	9.09	
32	1 1/4"	38.0	42.4	42.4	42.2	2.0	-	2.6	3.6	4.0	-	2.6	3.6	<b>4.0</b>	<b>5.0</b>	6.3	8.0	10.0	1.65	1.65	2.77	2.77	-	2.97	3.56	3.56	3.56	-	4.85	4.85	4.85	-	-	-	6.35	9.70	
40	1 1/2"	44.5	48.3	48.3	48.3	2.0	-	2.6	4.0	5.0	-	2.6	3.6	4.0	5.0	6.3	8.0	10.0	1.65	1.65	2.77	2.77	-	3.18	3.68	3.68	3.68	-	5.08	5.08	5.08	-	-	-	7.14	10.15	
50	2"	57.0	60.3	60.3	60.3	2.0	-	2.9	4.5	5.6	-	2.9	3.6	<b>4.0</b>	5.6	7.1	8.8	11.0	1.65	1.65	2.77	2.77	-	3.18	3.91	3.91	3.91	-	5.54	5.54	5.54	-	-	-	8.74	11.07	
-	2 1/2"	-	-	73.0	73.0	-	-	-	-	-	-	2.9	3.6	4.5	7.1	-	-	14.2	2.11	2.11	3.05	3.05	-	4.78	5.16	5.16	5.16	-	7.01	7.01	7.01	-	-	-	9.53	14.02	
65	-	76.1	76.1	76.1	-	2.3	-	2.9	5.0	7.1	-	2.9	3.6	<b>5.6</b>	7.1	8.0	10.0	14.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
80	3"	88.9	88.9	88.9	88.9	2.3	-	3.2	5.6	8.0	-	3.2	4.0	5.6	8.0	8.8	11.0	16.0	2.11	2.11	3.05	3.05	-	4.78	5.49	5.49	5.49	-	7.62	7.62	7.62	-	-	-	11.13	15.24	
-	3 1/2"	-	-	101.6	101.6	-	-	-	-	-	-	3.6	4.0	5.6	8.0	-	-	-	2.11	2.11	3.05	3.05	-	4.78	5.74	5.74	5.74	-	8.08	8.08	8.08	-	-	-	-	-	
100	4"	108.0	114.3	114.3	114.3	2.6	-	3.6	6.3	8.8	-	3.6	4.5	6.3	8.8	11.0	14.2	17.5	2.11	2.11	3.05	3.05	-	4.78	6.02	6.02	6.02	-	8.56	8.56	8.56	-	11.13	-	13.49	17.12	
125	-	133.0	139.7	139.7	-	2.6	-	4.0	6.3	10.0	-	4.0	5.0	6.3	10.0	12.5	16.0	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	5"	-	-	141.3	141.3	-	-	-	-	-	-	4.0	5.4	6.3	10.0	-	16.0	20.0	2.77	2.77	3.40	3.40	-	-	6.55	6.55	6.55	-	9.53	9.53	9.53	-	12.70	-	15.88	19.05	
150	6"	159.0	168.3	168.3	168.3	2.6	4.0	4.5	7.1	11.0	4.0	4.5	5.6	7.1	11.0	14.2	17.5	22.2	2.77	2.77	3.40	3.40	-	-	7.11	7.11	7.11	-	10.97	10.97	10.97	-	14.27	-	18.26	21.95	
200	8"	216.0	219.1	219.1	219.1	2.9	4.5	6.3	8.0	12.5	4.5	6.3	7.1	8.0	12.5	16.0	17.5	22.2	2.77	2.77	3.76	3.76	6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	22.23	
250	10"	267.0	273.0	273.0	273.0	2.9	5.0	6.3	8.8	14.2	5.0	6.3	8.8	<b>10.0</b>	<b>12.5</b>	16.0	22.2	30.0	3.40	3.40	4.19	4.19	6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40	
300	12"	318.0	323.9	323.9	323.8	2.9	5.6	7.1	10.0	16.0	5.6	7.1	8.8	10.0	<b>12.5</b>	17.5	25.0	32.0	3.96	3.96	4.57	4.57	6.35	8.38	9.53	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	28.58	33.32	25.40	
350	14"	368.0	355.6	355.6	355.6	3.2	5.6	8.0	11.0	17.5	5.6	8.0	10.0	<b>12.5</b>	<b>16.0</b>	20.0	28.0	36.0	3.96	3.96	4.78	6.35	7.92	9.53	9.53	9.53	11.13	15.09	12.70	12.70	19.05	23.83	27.79	31.75	35.71	-	
400	16"	419.0	406.4	406.4	406.4	3.2	6.3	8.8	12.5	20.0	6.3	8.8	10.0	12.5	<b>17.5</b>	22.2	30.0	40.0	4.19	4.19	4.78	6.35	7.92	9.53	9.53	9.53	12.70	16.66	12.70	12.70	21.44	26.19	30.96	36.53	40.49	-	
450	18"	470.0	457.0	457.0	457.0	4.0	6.3	10.0	14.2	22.2	6.3	10.0	11.0	<b>12.5</b>	<b>17.5</b>	22.2	32.0	45.0	4.19	4.19	4.78	6.35	7.92	11.13	9.53	9.53	14.27	19.05	12.70	12.70	23.83	29.36	34.93	39.67	45.24	-	
500	20"	521.0	508.0	508.0	508.0	4.0	6.3	11.0	16.0	25.0	6.3	<b>10.0</b>	11.0	<b>12.5</b>	<b>17.5</b>	25.0	36.0	50.0	4.78	4.78	5.54	6.35	9.53	12.70	9.53	9.53	15.09	20.62	12.70	12.70	26.19	32.54	38.10	44.45	50.01	-	
600	24"	622.0	610.0	610.0	610.0	5.0	6.3	12.5	17.5	30.0	6.3	<b>10.0</b>	12.5	17.5	<b>25.0</b>	30.0	45.0	60.0	5.54	5.54	6.35	6.35	9.53	14.27	9.53	9.53	17.48	24.61	12.70	12.70	30.96	38.89	46.02	52.37	59.54	-	
700	28"	720.0	711.0	711.0	711.0	5.0	7.1	12.5	-	-	7.1	<b>10.0</b>	12.5	25.0	-	-	-	-	-	-	-	-	7.92	12.70	15.88	-	9.53	-	-	12.70	-	-	-	-	-	-	
800	32"	820.0	813.0	813.0	813.0	5.6	8.0	12.5	-	-	8.0	<b>10.0</b>	12.5	<b>25.0</b>	-	-	-	-	-	-	-	-	7.92	12.70	15.88	-	9.53	17.48	-	12.70	-	-	-	-	-	-	
900	36"	920.0	914.0	914.0	914.0	6.3	10.0	12.5	-	-	10.0	12.5	20.0	<b>25.0</b>	-	-	-	-	-	-	-	-	7.92	12.70	15.88	-	9.53	19.05	-	12.70	-	-	-	-	-	-	
1000	40"	1020.0	1016.0	1016.0	1016.0	6.3	10.0	12.5	-	-	10.0	12.5	20.0	<b>25.0</b>	-	-	-	-	-	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-	
1200	48"	-	1220.0	1219.0	1219.0	6.3	12.5	-	-	-	<b>10.0</b>	12.5	20.0	25.0	-	-	-	-	-	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-	-

NPS Nominal Pipe Size  
 DN Diameter Nominal  
 PN Pressure Nominal

- EN series 1 = standard wall welded carbon steel equivalent to DN 1000 DIN/ISO series 2
- EN series 2 = standard wall seamless carbon steel equivalent to DN 450 DIN/ISO series 3
- EN series 3 = new wall thickness schedule from DIN 2448, below the DIN/ISO series 4, from DN 500–DN 800 DIN/ISO series 3
- EN series 4 = similar to DIN/ISO series 4
- EN series 5 = similar to DIN/ISO series 5
- EN series 6–8 = new wall thickness series, very thick-walled, in some areas in consistent with ASME schedules
- For buttwelding fittings in acc. with DIN EN 10253-4 (stainless steel), wall thickness in acc. with DIN EN ISO 1127 (stainless steel pipes) = old DIN/ISO series 1

The EN series 3 + 4 include thick-walled designs for seamless and welded fittings.

The EN series 5–8 are purely for seamless accessories and end at DN 600.

**Wall thicknesses:** The **bolded** wall thicknesses have been changed compared to the old DIN/ISO wall thicknesses.

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