

Abmessungsvergleich

DIN/EN ISO 1127 und ASME B36.10 / B36.19

grau: Wanddicke in mm
 Gewicht = (D - T) x T x 0.02504
 Legende: D = Außendurchmesser / T = Wandstärke
 Umrechnungsfaktor für Edelstahl = 0.02504



DIN		ASME		DIN		SCHEDULE				DIN		SCHED.	DIN		SCHED.	DIN		SCHEDULE									
Nom. Dia	Nom. Dia	O.D. in mm	O.D. in mm	REIHE 1	5s	5	10s	10	Reihe 2	Reihe 3	STD 40S	Reihe 4	XS 80s	Reihe 5	20	30	40	60	80	100	120	140	160	XXS			
6	1/8	10.29	10.2				1.24 0.28	1.24 0.28			1.73 0.37		2.41 0.48			1.45 0.32	1.73 0.37		2.41 0.48								
8	1/4	13.72	13.5				1.65 0.50	1.65 0.50			2.24 0.64		3.02 0.81			1.85 0.55	2.24 0.64		3.02 0.81								
10	3/8	17.15	17.2				1.65 0.64	1.65 0.64			2.31 0.86		3.20 1.12			2.11 0.79	2.31 0.86		3.20 1.12								
15	1/2	21.34	21.3	1.6 0.79	1.65 0.81	1.65 0.81	2.11 1.02	2.11 1.02		2.0 0.97	2.77 1.29	3.2 1.45	3.73 1.64	4.0 1.73		2.41 1.14	2.77 1.29		3.73 1.64				4.78 1.98	7.47 2.59			
20	3/4	26.67	26.9	1.6 1.01	1.65 1.03	1.65 1.03	2.11 1.30	2.11 1.30		2.3 1.42	2.87 1.71	3.2 1.90	3.91 2.23	4.0 2.29		2.41 1.46	2.87 1.71		3.91 2.23				5.56 2.94	7.82 3.69			
25	1	33.40	33.7	2.0 1.59	1.65 1.31	1.65 1.31	2.77 2.12	2.77 2.12		2.6 2.02	3.38 2.54	3.2 2.44	4.55 3.29	4.0 2.97		2.90 2.21	3.38 2.54		4.55 3.29				6.35 4.30	9.09 5.53			
32	1 1/4	42.16	42.4	2.0 2.02	1.65 1.67	1.65 1.67	2.77 2.73	2.77 2.73		2.6 2.59	3.56 3.44	3.6 3.50	4.85 4.53	4.0 3.85		2.97 2.91	3.56 3.44		4.85 4.53				6.35 5.69	9.70 7.88			
40	1 1/2	48.26	48.3	2.0 2.32	1.65 1.93	1.65 1.93	2.77 3.16	2.77 3.16		2.6 2.98	3.68 4.11	4.0 4.44	5.08 5.49	5.0 5.42		3.18 3.59	3.68 4.11		5.08 5.49				7.14 7.35	10.15 9.69			
50	2	60.33	60.3	2.0 2.92	1.65 2.42	1.65 2.42	2.77 3.99	2.77 3.99		2.9 4.17	3.91 5.52	4.5 6.29	5.54 7.60	5.6 7.67		3.18 4.55	3.91 5.52		5.54 7.60				8.74 11.29	11.07 13.65			
65	2 1/2	73.03	76.1	2.3 4.25	2.11 3.75	2.11 3.75	3.05 5.34	3.05 5.34		2.9 5.32	5.16 8.77	5.0 8.90	7.01 11.59	7.1 12.27		4.78 8.17	5.16 8.77		7.01 11.59				9.53 15.19	14.02 20.71			
80	3	88.90	88.9	2.3 4.99	2.11 4.59	2.11 4.59	3.05 6.56	3.05 6.56		3.2 6.87	5.49 11.47	5.6 11.68	7.62 15.51	8.0 16.20		4.78 10.07	5.49 11.47		7.62 15.51				11.13 21.67	15.24 28.11			
	3 1/2	101.60	101.6		2.11 5.26	2.11 5.26	3.05 7.53	3.05 7.53			5.74 13.78		8.08 18.92			4.78 11.59	5.74 13.78		8.08 18.92								
100	4	114.30	114.3	2.6 7.27	2.11 5.93	2.11 5.93	3.05 8.50	3.05 8.50		3.6 9.98	6.02 16.32	6.3 17.04	8.56 22.66	8.8 23.25		4.78 13.11	6.02 16.52		8.56 22.66			11.13 28.75	13.49 34.05	17.12 41.66			
125	5	141.30	139.7	2.6 8.93	2.77 9.61	2.77 9.61	3.40 11.74	3.40 11.74		4.0 13.59	6.55 22.10	6.3 21.04	9.53 31.44	10.0 32.47			6.55 22.10		9.53 31.44			12.70 40.89	15.88 49.87	19.05 58.31			
150	6	168.28	168.3	2.6 10.79	2.77 11.48	2.77 11.48	3.40 14.04	3.40 14.04	4.0 16.46	4.5 18.46	7.11 28.69	7.1 28.66	10.97 43.21	11.0 43.32			7.11 28.69		10.97 43.21			14.27 55.03	18.26 68.59	21.95 80.42			
200	8	219.08	219.1	2.9 15.70	2.77 15.0	2.77 15.0	3.76 20.27	3.76 20.27	4.5 24.18	6.3 33.57	8.18 43.20	8.0 42.29	12.70 65.63	12.5 64.66		6.35 33.82	7.04 33.38	8.18 43.20	10.31 53.89	12.70 65.63	15.09 77.07	18.26 91.95	20.62 102.46	23.01 112.96	22.23 109.57		
250	10	273.05	273.0	2.9 19.61	3.40 22.96	3.40 22.96	4.19 28.21	4.19 28.21	5.0 33.55	6.3 42.07	9.27 61.23	8.8 58.21	12.70 82.79	14.2 92.02		6.35 42.40	7.80 51.80	9.27 61.23	12.70 82.79	15.09 97.47	18.26 116.49	21.44 135.07	25.40 157.50	25.40 157.50			
300	12	323.85	323.9	2.9 23.31	3.96 31.72	3.96 31.72	4.57 36.53	4.57 36.53	5.6 44.63	7.1 56.32	9.53 75.00	10.0 78.60	12.70 98.94	16.0 123.35		6.35 50.48	8.38 66.19	10.31 80.94	14.27 110.61	17.48 134.09	21.44 162.34	25.40 189.81	28.58 211.30	33.32 242.38	25.40 189.81		
350	14	355.60	355.6	3.2 28.24	3.96 34.87	3.96 34.87	4.78 41.99	6.35 55.53	5.6 49.08	8.0 63.63	9.53 82.58	11.0 94.91	12.70 109.04	17.5 148.15		7.92 68.95	9.53 82.58	11.13 96.00	15.09 128.66	19.05 160.53	23.83 197.96	27.79 228.10	31.75 257.45	35.71 286.02			
400	16	406.40	406.4	3.2 32.31	4.19 42.20	4.19 42.20	4.78 48.07	6.35 63.61	6.3 63.11	8.8 87.61	9.53 94.70	12.5 123.28	12.70 125.19	20.0 193.50		7.92 79.02	9.53 94.70	12.70 125.19	16.66 162.58	21.44 206.66	26.19 249.33	30.96 291.04	36.53 338.30	40.49 370.96			
450	18	457.20	457.2	4.0 45.39	4.19 47.53	4.19 47.53	4.78 54.15	6.35 71.68	6.3 71.13	10.0 111.97	9.53 106.82	14.2 157.51	12.70 141.35	22.2 241.80		7.92 89.09	11.13 124.31	14.27 158.26	19.05 208.99	23.83 258.58	29.36 314.52	34.93 414.72	39.67 454.72	45.24 466.64			
500	20	508.00	508.0	4.0 50.48	4.78 60.23	4.78 60.23	5.54 69.70	6.35 79.76	6.3 79.14	11.0 136.89	9.53 118.94	16.0 197.10	12.70 157.50	25.0 302.34		9.53 118.94	12.70 157.50	15.09 186.24	20.62 251.63	26.19 315.95	32.54 387.38	38.10 448.27	44.45 515.91	50.01 573.48			
	22	558.80	558.8	4.78 66.31	4.78 66.31	4.78 66.31	5.54 76.74	6.35 87.04			9.53 131.07		12.70 173.65			9.53 131.07	12.70 173.65	22.23 298.66	28.58 379.43	34.93 458.17	38.10 534.90	41.28 534.90	47.63 609.61	53.98 682.30			
600	24	609.60	609.6	5.0 75.69	5.54 83.79	5.54 83.79	6.35 95.91	6.35 95.91	6.3 95.17	12.5 186.88	9.53 143.19	17.5 259.44	12.70 189.81	30.0 435.37		9.53 143.19	14.27 212.71	17.48 259.15	24.61 360.47	30.96 448.56	38.89 555.73	46.02 649.40	52.37 730.68	59.54 820.02			
	26	660.40						7.92 129.39			9.53 155.31		12.70 205.96			12.70 205.96											
700	28	711.20	711.0	5.0 88.39				7.92 139.46	7.1 125.13	12.5 218.62	9.53 167.43		12.70 222.12			12.70 222.12	15.88 276.47										
	30	762.00			6.35 120.14	6.35 120.14	7.92 149.54	7.92 149.54			9.53 179.55		12.70 238.27			12.70 238.27	15.88 296.67										
800	32	812.80	813.0	5.6 113.21				7.92 159.61	8.0 161.25	12.5 250.54	9.53 203.80		12.70 270.58			12.70 270.58	15.88 337.06	17.48 370.32									
	34	863.60						7.92 169.69			9.53 203.80		12.70 270.58			12.70 270.58	15.88 337.06	17.48 370.32									
900	36	914.40	914.0	6.3 143.18				7.92 179.76	10.0 226.35	12.5 282.15	9.53 215.92		12.70 286.73			12.70 286.73	15.88 357.26	19.05 427.07									

Dimension comparison

DIN/EN ISO 1127 and ASME B36.10 / B36.19

grey: wall thickness in mm
 Weight = (D - T) x T x 0.02504
 Legend: D = outside diameter / T = wall thickness
 Conversion factor for stainless steel = 0.02504



DIN	ASME		DIN		SCHEDULE				DIN		SCHED.	DIN		SCHED.	DIN		SCHEDULE									
Nom. Dia	Nom. Dia	O.D. in mm	O.D. in mm	Series 1	5s	5	10s	10	Series 2	Series 3	STD 40S	Series 4	XS 80s	Series 5	20	30	40	60	80	100	120	140	160	XXS		
6	1/8	10.29	10.2				1.24 0.28	1.24 0.28			1.73 0.37		2.41 0.48			1.45 0.32	1.73 0.37		2.41 0.48							
8	1/4	13.72	13.5				1.65 0.50	1.65 0.50			2.24 0.64		3.02 0.81			1.85 0.55	2.24 0.64		3.02 0.81							
10	3/8	17.15	17.2				1.65 0.64	1.65 0.64			2.31 0.86		3.20 1.12			2.11 0.79	2.31 0.86		3.20 1.12							
15	1/2	21.34	21.3	1.6 0.79	1.65 0.81	1.65 0.81	2.11 1.02	2.11 1.02		2.0 0.97	2.77 1.29	3.2 1.45	3.73 1.64	4.0 1.73		2.41 1.14	2.77 1.29		3.73 1.64				4.78 1.98	7.47 2.59		
20	3/4	26.67	26.9	1.6 1.01	1.65 1.03	1.65 1.03	2.11 1.30	2.11 1.30		2.3 1.42	2.87 1.71	3.2 1.90	3.91 2.23	4.0 2.29		2.41 1.46	2.87 1.71		3.91 2.23				5.56 2.94	7.82 3.69		
25	1	33.40	33.7	2.0 1.59	1.65 1.31	1.65 1.31	2.77 2.12	2.77 2.12		2.6 2.02	3.38 2.54	3.2 2.44	4.55 3.29	4.0 2.97		2.90 2.21	3.38 2.54		4.55 3.29				6.35 4.30	9.09 5.53		
32	1 1/4	42.16	42.4	2.0 2.02	1.65 1.67	1.65 1.67	2.77 2.73	2.77 2.73		2.6 2.59	3.56 3.44	3.6 3.50	4.85 4.53	4.0 3.85		2.97 2.91	3.56 3.44		4.85 4.53				6.35 5.69	9.70 7.88		
40	1 1/2	48.26	48.3	2.0 2.32	1.65 1.93	1.65 1.93	2.77 3.16	2.77 3.16		2.6 2.98	3.68 4.11	4.0 4.44	5.08 5.49	5.0 5.42		3.18 3.59	3.68 4.11		5.08 5.49				7.14 7.35	10.15 9.69		
50	2	60.33	60.3	2.0 2.92	1.65 2.42	1.65 2.42	2.77 3.99	2.77 3.99		2.9 4.17	3.91 5.52	4.5 6.29	5.54 7.60	5.6 7.67		3.18 4.55	3.91 5.52		5.54 7.60				8.74 11.29	11.07 13.65		
65	2 1/2	73.03	76.1	2.3 4.25	2.11 3.75	2.11 3.75	3.05 5.34	3.05 5.34		2.9 5.32	5.16 8.77	5.0 8.90	7.01 11.59	7.1 12.27		4.78 8.17	5.16 8.77		7.01 11.59				9.53 15.19	14.02 20.71		
80	3	88.90	88.9	2.3 4.99	2.11 4.59	2.11 4.59	3.05 6.56	3.05 6.56		3.2 6.87	5.49 11.47	5.6 11.88	7.62 15.51	8.0 16.20		4.78 10.07	5.49 11.47		7.62 15.51				11.13 21.67	15.24 28.11		
	3 1/2	101.60	101.6		2.11 5.26	2.11 5.26	3.05 7.53	3.05 7.53			5.74 13.78		8.08 18.92			4.78 11.59	5.74 13.78		8.08 18.92							
100	4	114.30	114.3	2.6 7.27	2.11 5.93	2.11 5.93	3.05 8.50	3.05 8.50		3.6 9.98	6.02 16.32	6.3 17.04	8.56 22.66	8.8 23.25		4.78 13.11	6.02 16.32		8.56 22.66			11.13 28.75	13.49 34.05	17.12 41.66		
125	5	141.30	139.7	2.6 8.93	2.77 9.61	2.77 9.61	3.40 11.74	3.40 11.74		4.0 13.59	6.55 22.10	6.3 21.04	9.53 31.44	10.0 32.47			6.55 22.10		9.53 31.44		12.70 40.89		15.88 49.87	19.05 58.31		
150	6	168.28	168.3	2.6 10.79	2.77 11.48	2.77 11.48	3.40 14.04	3.40 14.04	4.0 16.46	4.5 18.46	7.11 28.69	7.1 28.66	10.97 43.21	11.0 43.32			7.11 28.69		10.97 43.21		14.27 55.03		18.26 68.59	21.95 80.42		
200	8	219.08	219.1	2.9 15.70	2.77 15.0	2.77 15.0	3.76 20.27	3.76 20.27	4.5 24.18	6.3 33.57	8.18 43.20	8.0 42.29	12.70 65.63	12.5 64.66		6.35 33.82	7.04 33.38	8.18 43.20	10.31 53.89	12.70 65.63	15.09 77.07	18.26 91.95	20.62 102.46	23.01 112.96	22.23 109.57	
250	10	273.05	273.0	2.9 19.61	3.40 22.96	3.40 22.96	4.19 28.21	4.19 28.21	5.0 33.55	6.3 42.07	9.27 61.23	8.8 58.21	12.70 82.79	14.2 92.02		6.35 42.40	7.80 51.80	9.27 61.23	12.70 82.79	15.09 97.47	18.26 116.49	21.44 135.07	25.40 157.50	28.58 174.94	25.40 157.50	
300	12	323.85	323.9	2.9 23.31	3.96 31.72	3.96 31.72	4.57 36.53	4.57 36.53	5.6 44.63	7.1 56.32	9.53 75.00	10.0 78.60	12.70 98.94	16.0 134.35		6.35 50.48	8.38 66.19	10.31 80.94	14.27 110.61	17.48 134.09	21.44 162.34	25.40 189.81	28.58 211.30	33.32 242.38	25.40 189.81	
350	14	355.60	355.6	3.2 28.24	3.96 34.87	3.96 34.87	4.78 41.99	6.35 55.53	5.6 49.08	8.0 69.63	9.53 82.58	11.0 94.91	12.70 109.04	17.5 148.15		7.92 68.95	9.53 82.58	11.13 96.00	15.09 128.66	19.05 160.53	23.83 197.96	27.79 228.10	31.75 257.45	35.71 286.02		
400	16	406.40	406.4	3.2 32.31	4.19 42.20	4.19 42.20	4.78 48.07	6.35 63.61	6.3 63.11	8.8 87.61	9.53 94.70	12.5 123.28	12.70 125.19	20.0 193.50		7.92 79.02	9.53 94.70	12.70 125.19	16.66 162.58	21.44 206.66	26.19 249.33	30.96 291.04	36.53 338.30	40.49 370.96		
450	18	457.20	457.2	4.0 45.39	4.19 47.53	4.19 47.53	4.78 54.15	6.35 71.68	6.3 71.13	10.0 111.97	9.53 106.82	14.2 157.51	12.70 141.35	22.2 208.99		7.92 89.09	11.13 124.31	14.27 158.26	19.05 208.99	23.83 258.58	29.36 314.52	34.93 369.32	39.67 414.72	45.24 466.64		
500	20	508.00	508.0	4.0 50.48	4.78 60.23	4.78 60.23	5.54 69.70	6.35 79.76	6.3 79.14	11.0 136.89	9.53 118.94	16.0 197.10	12.70 157.50	25.0 302.34		9.53 118.94	12.70 157.50	15.09 186.24	20.62 251.63	26.19 315.95	32.54 387.38	38.10 448.27	44.45 515.91	50.01 573.48		
	22	558.80	558.8		4.78 66.31	4.78 66.31	5.54 76.74	6.35 87.84			9.53 131.07		12.70 173.65			9.53 131.07	12.70 173.65		22.23 296.66	28.58 379.43	34.93 458.17	41.28 534.90	47.63 609.61	53.98 682.30		
600	24	609.60	609.6	5.0 75.69	5.54 83.79	5.54 83.79	6.35 95.91	6.35 95.91	6.3 95.17	12.5 186.88	9.53 143.19	17.5 259.44	12.70 189.81	30.0 435.37		9.53 143.19	14.27 212.71	17.48 259.15	24.61 360.47	30.96 448.56	38.89 555.73	46.02 649.40	52.37 730.68	59.54 820.02		
	26	660.40									9.53 155.31		12.70 205.96			12.70 205.96										
700	28	711.20	711.0	5.0 88.39							9.53 167.43		12.70 222.12			12.70 222.12	15.88 276.47									
	30	762.00									9.53 179.55		12.70 238.27			12.70 238.27	15.88 296.67									
800	32	812.80	813.0	5.6 113.21							9.53 191.67		12.70 254.42			12.70 254.42	15.88 316.86		17.48 348.09							
	34	863.60									9.53 203.80		12.70 270.58			12.70 270.58	15.88 337.06		17.48 370.32							
900	36	914.40	914.0	6.3 143.18							9.53 179.76		12.70 286.73			12.70 286.73	15.88 357.26		19.05 427.07							