

# Dimensional comparison DIN / ASME

black: wallthickness in mm  
orange: weight kg/m (density = 8,0)

DIN Nom. Dia	ASME		DIN		SCHEDULE				DIN		Schd.	DIN	Schd.	DIN	SCHEDULE									
	Nom. Dia	O.D. in mm	O.D. in mm	Series 1	5 s	5	10 s	10	Series 2	Series 3	STD 40 s	Series 4	XS 80 s	Series 5	20	30	40	60	80	100	120	140	160	XXS
6	1/8	10.29	10.2				1.24 0.28				1.73 0.37		2.41 0.47											
8	1/4	13.72	13.5				1.65 0.49				2.24 0.64		3.02 0.82											
10	3/8	17.15	17.2				1.65 0.63				2.31 0.87		3.20 1.12											
15	1/2	21.34	21.3	1.6 0.79	1.65 0.81		2.11 1.02		2.0 0.97	2.77 1.29	3.2 1.45	3.73 1.64	4.0 1.73										4.75 1.97	7.47 2.59
20	3/4	26.67	26.9	1.6 1.02	1.65 1.03		2.11 1.30		2.3 1.41	2.87 1.71	3.2 1.90	3.91 2.23	4.0 2.29										5.54 2.93	7.82 3.69
25	1	33.40	33.7	2.0 1.59	1.65 1.31		2.77 2.13		2.6 2.03	3.38 2.54	3.2 2.44	4.55 3.29	4.0 3.01										6.35 4.30	9.09 5.53
32	1 1/4	42.16	42.4	2.0 2.02	1.65 1.67		2.77 2.73		2.6 2.59	3.56 3.44	3.6 3.50	4.85 4.53	4.0 3.89										6.35 5.69	9.70 7.88
40	1 1/2	48.26	48.3	2.0 2.32	1.65 1.93		2.77 3.16		2.6 2.98	3.68 4.11	4.0 4.49	5.08 5.49	5.0 5.44										7.14 7.35	10.16 9.69
50	2	60.33	60.3	2.0 2.92	1.65 2.42		2.77 3.99		2.9 4.17	3.91 5.52	4.5 6.29	5.54 7.60	5.60 7.70										8.71 11.26	11.07 13.65
65	2 1/2	73.03	76.1	2.3 4.25	2.11 3.75		3.05 5.34		2.9 5.32	5.16 8.77	5.0 8.90	7.01 11.59	7.10 12.31										9.53 15.15	14.02 20.72
80	3	88.90	88.9	2.3 4.99	2.11 4.59		3.05 6.56		3.2 6.87	5.49 11.47	5.60 11.72	7.62 15.51	8.0 16.26										11.13 21.67	15.24 28.11
	3 1/2	101.60	101.6		2.11 5.25		3.05 7.35			5.74 13.78		8.08 18.92											16.15 34.56	
100	4	114.30	114.3	2.6 7.27	2.11 5.93		3.05 8.50		3.6 9.98	6.02 16.32	6.30 17.1	8.56 22.66	8.80 23.33								11.13 28.75	13.49 34.05	17.12 41.66	
125	5	141.30	139.7	2.6 8.92	2.77 9.61		3.40 11.74		4.0 13.59	6.55 22.10	6.3 21.04	9.53 31.44	10.0 32.59								12.70 40.90	15.88 49.87	19.05 58.31	
150	6	168.28	168.3	2.6 10.80	2.77 11.47		3.40 14.04	4.0 16.40	4.5 18.46	7.11 28.69	7.1 28.69	10.97 43.21	11.0 43.48								14.27 55.03	18.24 68.53	21.95 80.43	
200	8	219.08	219.1	2.9 16.15	2.77 15.0		3.76 20.27	4.5 24.18	6.3 33.69	8.18 43.20	8.0 42.44	12.70 65.63	12.50 64.90	6.35 33.82	7.04 33.38			10.81 53.90		15.06 76.93	18.24 91.73	23.01 102.47	22.23 109.57	
250	10	273.05	273.0	2.9 20.04	3.40 22.95	4.19	4.19 28.20	5.0 33.50	6.3 42.22	9.27 61.22	8.8 58.22	12.70 82.80	14.2 92.04	6.35 42.41	7.80 51.81			12.70 82.80	15.06 97.27	18.24 116.38	21.41 134.90	25.40 157.51	28.58 174.95	25.40 157.51
300	12	323.85	323.9	2.9 23.31	3.96 31.72	33.60	4.57 36.54	5.6 44.64	7.1 56.52	9.53 75.01	10.0 78.88	12.70 98.95	16.0 123.36	6.35 50.48	8.38 66.20	10.31 80.94		14.27 110.62	17.45 133.88	21.41 162.14	25.40 189.82	28.58 211.31	33.32 242.40	25.40 189.82
350	14	355.6	355.6	3.2 28.24	3.96 34.86		4.78 41.99	6.35 55.53	8.0 49.08	9.53 69.88	11.0 95.26	12.70 109.04	17.5 148.16	7.92 68.95	9.53 82.58	11.13 69.0	15.06 128.42	19.05 160.54	23.80 197.74	27.76 227.88	31.75 257.47	35.71 286.04		
400	16	406.4	406.4	3.2 32.30	4.19 42.20		4.78 48.07	6.35 63.61	8.0 63.12	9.53 87.93	12.5 94.70	12.70 123.73	20.0 125.20	7.92 79.03	9.53 94.70	12.70 125.20	16.66 162.59	20.64 206.40	24.93 249.34	26.19 290.88	30.94 338.32	36.53 370.74	40.46	
450	18	457.2	457.2	4.0 45.40	4.19 47.46		4.78 54.15	6.35 71.69	8.0 71.13	9.53 112.38	12.5 106.83	12.70 141.35	22.2 241.81	7.92 89.10	11.13 124.32	14.27 158.27	19.05 209.0	23.80 258.29	29.36 314.54	34.93 369.34	39.67 414.75	45.24 466.67		
500	20	508.0	508.0	4.0 50.48	4.78 60.23		5.54 69.70	6.35 79.76	8.0 79.14	9.53 137.39	16.0 118.93	12.70 197.12	25.0 302.36	9.53 118.93	12.70 157.51	15.06 185.89	20.62 251.65	26.19 315.97	32.54 387.41	38.10 448.30	44.45 515.94	49.99 573.31		
	22	558.8	558.8		4.78 65.95		5.54 76.75	6.35 87.84		9.53 131.07		12.70 173.66		9.53 131.07	12.70 173.66	15.88 216.04	22.23 298.55	28.57 379.70	34.92 457.83	41.27 535.17	47.62 609.30	53.97 682.57		
600	24	609.6	609.6	5.0 75.70	5.54 83.80		6.35 95.92	6.35 95.92	6.3 95.17	12.05 187.56	17.5 259.46	12.70 189.82	30.0 435.37	9.53 143.20	14.27 212.72	17.45 258.74	24.59 360.21	30.94 448.30	38.89 557.76	46.02 649.44	52.37 730.72	59.51 819.70		
	26	660.4					7.92 129.4			9.53 155.32		12.70 205.97		12.7 205.97										
700	28	711.2	711.0	5.0 88.39			7.92 139.47	7.1 125.14	12.5 218.63	9.53 167.44	12.70 222.13	17.5 254.44	12.7 222.13	12.7 222.13	15.88 276.48									
	30	762.0			6.35 120.15		7.92 149.55	7.92 149.55		9.53 179.56		12.70 238.28		12.7 238.28	15.88 296.68									
800	32	812.8	813.0	5.6 113.22			7.92 159.62	8.0 161.26	12.5 250.55	9.53 191.69	12.70 254.44	17.5 254.44	12.7 270.50	12.7 270.50	15.88 336.88	17.48 348.11								
	34	863.6					7.92 169.64			9.53 203.74		12.70 270.50		12.7 270.50	15.88 336.96	17.48 370.22								
900	36	914.4	914.0	6.3 143.19			7.92 179.77	10.00 226.36	12.5 282.17	9.53 215.93	12.70 286.75	17.5 286.75	12.7 286.75	12.7 286.75	15.88 357.28	19.05 427.09								