



Standard Dimension Ratios (SDRs) for AS/NZS 4130: 2009 Pipe Series

Dimensions in millimetres

	Mean Outside diameter (D _m)		Maximum out of roundness	PN25			PN20			PN16			PN12.5			PN10			DN
PE80				-			SDR7.4			SDR9			SDR11			SDR13.6			
PE100				SDR7.4			SDR9			SDR11			SDR13.6			SDR17			
Nom. Size DN/OD				Min.	Max.	Wall Thickness Min.	Max.	Weight (kg/m)	Wall Thickness Min.	Max.	Weight (kg/m)	Wall Thickness Min.	Max.	Weight (kg/m)	Wall Thickness Min.	Max.	Weight (kg/m)	Wall Thickness Min.	
16	16	16.3	1.2	2.2	2.7	0.10	-	-	-	-	-	-	-	-	-	-	-	-	16
20	20	20.3	1.2	2.8	3.4	0.17	2.3	2.7	0.14	1.9	2.2	0.12	1.6	1.9	0.09	1.2	1.4	0.07	20
25	25	25.3	1.2	3.5	4.0	0.25	2.8	3.2	0.22	2.3	2.7	0.17	1.9	2.2	0.15	1.5	1.9	0.12	25
32	32	32.3	1.3	4.4	5.0	0.40	3.6	4.1	0.34	2.9	3.3	0.29	2.4	2.8	0.24	2.0	2.3	0.20	32
40	40	40.4	1.4	5.5	6.2	0.63	4.5	5.1	0.53	3.7	4.2	0.45	3.0	3.4	0.37	2.4	2.8	0.30	40
50	50	50.5	1.4	6.9	7.7	0.99	5.6	6.3	0.83	4.6	5.2	0.69	3.7	4.2	0.57	3.0	3.4	0.47	50
63	63	63.6	1.5	8.6	9.6	1.56	7.1	8.0	1.32	5.8	6.5	1.10	4.7	5.3	0.91	3.8	4.3	0.75	63
75	75	75.7	1.6	10.3	11.5	2.22	8.4	9.4	1.86	6.8	7.6	1.54	5.5	6.2	1.29	4.5	5.1	1.05	75
90	90	90.9	1.8	12.3	13.7	3.18	10.1	11.3	2.68	8.2	9.2	2.23	6.6	7.4	1.86	5.4	6.1	1.52	90
110	110	111.0	2.2	15.1	16.8	4.76	12.3	13.7	4.00	10.0	11.1	3.33	8.1	9.1	2.74	6.6	7.4	2.27	110
125	125	126.2	2.5	17.1	19.0	6.14	14.0	15.6	5.17	11.4	12.7	4.31	9.2	10.3	3.54	7.4	8.3	2.89	125
140	140	141.3	2.8	19.2	21.3	7.71	15.7	17.4	6.49	12.7	14.1	5.38	10.3	11.5	4.44	8.3	9.3	3.63	140
160	160	161.5	3.2	21.9	24.2	10.06	17.9	19.8	8.46	14.6	16.2	7.06	11.8	13.1	5.81	9.5	10.6	4.75	160
180	180	181.7	3.6	24.6	27.2	12.71	20.1	22.3	10.69	16.4	18.2	8.92	13.3	14.8	7.37	10.7	11.9	6.02	180
200	200	201.8	4.0	27.4	30.3	15.72	22.4	24.8	13.23	18.2	20.2	11.00	14.7	16.3	9.06	11.9	13.2	7.44	200
225	225	227.1	4.5	30.8	34.0	19.89	25.2	27.9	16.74	20.5	22.7	13.94	16.6	18.4	11.50	13.4	14.9	9.43	225
250	250	252.3	5.0	34.2	37.8	24.54	27.9	30.8	20.60	22.7	25.1	17.16	18.4	20.4	14.17	14.8	16.4	11.57	250
280	280	282.6	9.8	38.3	42.6	30.78	31.3	34.6	25.88	25.4	28.1	21.50	20.6	22.8	17.77	16.6	18.4	14.54	280
315	315	317.9	11.1	43.1	47.6	38.97	35.9	38.9	32.75	28.6	31.6	27.24	23.2	25.7	22.51	18.7	20.7	18.42	315
355	355	358.2	12.5	48.5	53.5	49.43	39.7	43.8	41.62	32.2	35.6	34.56	26.1	28.9	28.54	21.1	23.4	23.43	355
400	400	403.6	14.0	54.7	60.3	62.80	44.7	49.3	52.81	36.6	40.1	43.90	29.4	32.5	36.23	23.7	26.2	29.65	400
450	450	454.1	15.6	61.5	67.8	79.44	50.3	55.5	66.85	40.9	45.1	55.64	33.1	36.6	45.88	26.7	29.5	37.58	450
500	500	504.5	17.5	-	-	97.19	55.8	61.5	82.42	45.4	50.1	68.63	36.8	40.6	56.68	29.6	32.7	46.44	500
560	560	565.0	19.6	-	-	121.90	62.5	68.9	103.39	50.8	56.0	86.01	41.2	45.5	71.07	33.2	36.7	58.15	560
630	630	635.7	22.1	-	-	154.19	70.3	77.5	130.83	57.2	63.1	108.94	46.3	51.1	89.86	37.3	41.2	73.69	630
710	710	716.4	24.9	-	-	195.82	79.3	87.4	166.30	64.5	71.1	138.44	52.2	57.6	114.17	41.2	46.5	93.50	710
800	800	807.2	28.0	-	-	-	89.3	98.4	211.03	72.6	80.0	175.59	58.8	64.8	144.91	47.4	52.3	118.62	800
900	900	908.1	31.5	-	-	-	-	-	-	81.7	90.0	222.30	66.1	72.9	183.53	53.3	59.0	150.06	900
1000	1000	1009.0	35.0	-	-	-	-	-	-	90.2	99.4	272.87	73.4	80.9	223.59	59.3	65.4	185.48	1000
1200	1200	1210.0	42.0	-	-	-	-	-	-	-	-	-	88.2	97.2	326.06	67.9	74.8	255.60	1200
1400	1400	1410.0	49.0	-	-	-	-	-	-	-	-	-	102.9	113.3	443.80	82.4	90.8	361.00	1400
1600	1600	1610.2	56.0	-	-	-	-	-	-	-	-	-	117.6	129.5	-	91.4	103.7	-	1600

AS/NZS 4130: 2009 Pipe Series are classified in terms of the nominal pressure rating (PN). The number used to describe PN is 10 times the value of the maximum allowable operating pressure (MAOP) at 20°C based on C = 1.25 and given in megapascals.

Standard Dimension Ratios (SDRs) for AS/NZS 4130: 2009 Pipe Series

Dimensions in millimetres

	Mean Outside diameter (<i>D_m</i>)		Maximum out of roundness	PN8			PN6.3			PN4			PN3.2			DN
PE80				SDR17			SDR21			SDR33			SDR41			
PE100				SDR21			SDR26			SDR41			-			
Nom. Size DN/OD				Wall Thickness		Weight (kg/m)	Wall Thickness		Weight (kg/m)	Wall Thickness		Weight (kg/m)	Wall Thickness		Weight (kg/m)	
	Min.	Max.		Min.	Max.		Min.	Max.		Min.	Max.		Min.	Max.		mm
20	20	20.3	1.2	1.0	1.1	0.06	0.6	0.7	0.04				-	-	-	20
25	25	25.3	1.2	1.2	1.4	0.09	0.8	0.9	0.06				-	-	-	25
32	32	32.3	1.3	1.5	1.9	0.15	1.0	1.1	0.10				-	-	-	32
40	40	40.4	1.4	2.0	2.3	0.25	1.2	1.5	0.16				-	-	-	40
50	50	50.5	1.4	2.4	2.8	0.38	2.0	2.3	0.32				-	-	-	50
63	63	63.6	1.5	3.0	3.4	0.60	2.5	2.9	0.50	1.9	2.1	0.39	1.8	1.9	0.36	63
75	75	75.7	1.6	3.6	4.1	0.85	2.9	3.3	0.70	2.3	2.7	0.55	1.9	2.1	0.46	75
90	90	90.9	1.8	4.3	4.9	1.23	3.5	4.0	1.01	2.8	3.2	0.79	2.2	2.6	0.64	90
110	110	111.0	2.2	5.3	6.0	1.85	4.3	4.9	1.48	3.4	3.9	1.18	2.7	3.1	0.94	110
125	125	126.2	2.5	6.0	6.7	2.37	4.8	5.4	1.92	3.9	4.4	1.53	3.1	3.6	1.23	125
140	140	141.3	2.8	6.7	7.5	2.97	5.4	6.1	2.42	4.3	4.9	1.92	3.5	4.0	1.54	140
160	160	161.5	3.2	7.7	8.6	3.90	6.2	7.0	3.17	4.9	5.5	2.50	4.0	4.5	2.00	160
180	180	181.7	3.6	8.6	9.6	4.90	6.9	7.7	3.97	5.5	6.2	3.17	4.4	5.0	2.49	180
200	200	201.8	4.0	9.6	10.7	6.08	7.7	8.6	4.92	6.2	7.0	3.91	4.9	5.5	3.05	200
225	225	227.1	4.5	10.8	12.0	7.69	8.6	9.6	6.19	6.9	7.7	4.95	5.5	6.2	3.86	225
250	250	252.3	5.0	11.9	13.2	9.42	9.6	10.7	7.67	7.7	8.6	6.11	6.2	7.0	4.83	250
280	280	282.6	9.8	13.4	14.9	11.88	10.7	11.9	9.58	8.6	9.6	7.66	6.9	7.7	5.98	280
315	315	317.9	11.1	15.0	16.6	14.96	12.1	13.5	12.19	9.7	10.8	9.85	7.7	8.6	7.52	315
355	355	358.2	12.5	16.9	18.7	19.00	13.6	15.1	15.44	10.9	12.1	12.47	8.7	9.7	9.55	355
400	400	403.6	14.0	19.1	21.2	24.19	15.3	17.0	19.57	12.3	13.7	15.86	9.8	10.9	12.10	400
450	450	454.1	15.6	21.5	23.8	30.63	17.2	19.1	24.75	13.8	15.3	20.02	11.0	12.2	15.30	450
500	500	504.5	17.5	23.9	26.4	37.84	19.1	21.2	30.54	15.3	17.0	24.66	12.3	13.7	19.00	500
560	560	565.0	19.6	26.7	29.5	47.35	21.4	23.7	38.32	17.2	19.1	31.04	13.7	15.2	23.60	560
630	630	635.7	22.1	30.0	33.1	59.85	24.1	26.7	48.55	19.3	21.4	39.19	15.4	17.1	29.90	630
710	710	716.4	24.9	33.9	37.4	76.21	27.2	30.1	61.75	21.8	24.1	49.88	17.4	19.3	38.00	710
800	800	807.2	28.0	38.1	42.1	96.52	30.6	33.8	78.28	24.5	27.1	63.18	19.6	21.7	48.10	800
900	900	908.1	31.5	42.9	47.3	122.26	34.4	38.3	99.01	27.6	30.5	80.06	22.0	24.3	60.90	900
1000	1000	1009.0	35.0	47.7	52.6	151.04	38.2	42.2	122.16	30.6	33.8	98.63	24.5	27.1	75.20	1000
1200	1200	1210.0	42.0	57.2	63.1	217.35	45.9	50.6	176.14	36.7	40.5	141.96	29.4	32.5	108.00	1200
1400	1400	1410.0	49.0	66.7	73.5	295.70	53.2	58.7	239.53	42.9	47.3	193.58	34.4	38.0	147.00	1400
1600	1600	1610.2	56.0	76.2	84.0	346.37	61.3	67.6	295.00	49.0	54.0	238.0	39.3	43.3	192.00	1600
1800	1800	1816.2	-	85.5	94.4	438.25	69.1	76.2	356.78	54.5	60.1	283.8	43.8	48.3	229.98	1800
2000	2000	2018.0	-	95.2	104.9	540.93	76.9	84.7	441.15	60.6	66.8	350.6	48.8	53.8	283.93	2000

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