

TABLE 6.2

POLLplex — Series 1 — Pressure pipe dimensions for water & air

STANDARD PE 80C, BLUE LINE 80B, ALL BLUE PE 80B, & ONE HUNDRED PE 100 to AS/NZS 4130

SDR	41		33		26		21		17		13.6		11		9		SDR		
	3.2		4		6.3		8		10		12.5		16		20		PN for PE 80		
	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	PN for PE 100
DN	Mean ID	Mean Ave. Mass	Min. Wall	Mean ID	Mean Ave. Mass	Min. Wall	Mean ID	Mean Ave. Mass	Min. Wall	Mean ID	Mean Ave. Mass	Min. Wall	Mean ID	Mean Ave. Mass	Min. Wall	Mean ID	Mean Ave. Mass	DN	
16	1.6	12.7	0.075	1.6	12.7	0.075	1.6	12.7	0.075	1.6	12.7	0.075	1.6	12.7	0.075	1.6	12.7	0.082	16
20	1.6	16.7	0.10	1.6	16.7	0.10	1.6	16.7	0.10	1.6	16.7	0.10	1.9	16.1	0.11	2.3	15.2	0.13	20
25	1.6	21.7	0.12	1.6	21.7	0.12	1.6	21.7	0.12	1.9	21.1	0.14	2.3	20.2	0.17	2.8	19.2	0.20	25
32	1.6	28.7	0.16	1.6	28.7	0.16	1.6	28.7	0.16	1.9	28.1	0.18	2.4	27.0	0.23	3.6	24.5	0.32	32
40	1.6	36.7	0.20	1.6	36.7	0.20	1.9	36.1	0.23	2.4	35.0	0.29	3.0	33.8	0.35	4.5	30.6	0.50	40
50	1.6	46.7	0.25	1.6	46.7	0.25	2.0	45.9	0.31	2.4	45.0	0.37	3.7	42.3	0.54	5.6	38.3	0.78	50
63	1.6	59.7	0.32	2.0	59.0	0.38	2.4	58.0	0.47	3.0	56.8	0.57	4.7	53.2	0.86	7.1	48.1	1.25	63
75	1.9	71.2	0.45	2.3	70.3	0.54	2.9	69.1	0.67	3.6	67.6	0.81	4.5	65.7	1.00	8.4	57.5	1.75	75
90	2.2	85.5	0.63	2.8	84.3	0.78	3.5	82.8	0.97	4.3	81.1	1.17	5.4	78.8	1.44	10.1	68.6	2.55	90
110	2.7	104.6	0.92	3.4	103.1	1.15	4.3	101.2	1.46	5.3	99.1	1.75	6.6	96.4	2.14	12.3	84.4	3.75	110
125	3.1	118.9	1.20	3.9	117.2	1.49	4.8	115.3	1.84	6.0	112.8	2.24	7.4	109.8	2.74	14.4	96.0	4.84	125
140	3.5	133.1	1.58	4.3	131.4	1.85	5.4	129.1	2.33	6.7	126.4	2.81	8.3	123.0	3.44	16.6	107.5	6.08	140
160	4.0	152.2	1.97	4.9	150.1	2.44	6.2	147.5	3.05	7.7	144.4	3.68	9.5	140.6	4.48	18.4	123.0	7.92	160
180	4.4	171.4	2.45	5.6	169.0	3.06	6.9	166.2	3.80	8.6	162.6	4.63	10.7	158.2	5.67	20.1	138.4	10.02	180
200	4.9	190.4	3.01	6.2	187.7	3.77	7.7	184.5	4.71	9.6	180.5	5.73	11.9	175.7	7.00	22.4	153.6	12.39	200
225	5.5	214.2	3.81	6.9	211.1	4.79	8.6	207.7	5.92	10.8	203.1	7.24	13.4	197.6	8.88	25.1	173.0	15.63	225
250	6.2	237.8	4.78	7.7	234.6	5.90	9.6	230.7	7.33	11.9	225.9	8.87	14.8	219.8	10.88	27.9	192.3	19.27	250
280	6.9	266.6	5.92	8.6	262.8	7.41	10.7	258.6	9.15	13.4	252.9	11.19	16.6	246.2	13.67	31.3	215.3	24.23	280
315	7.7	300.0	7.44	9.7	295.7	9.34	12.1	290.7	11.66	15.0	284.7	14.07	18.7	276.9	17.31	35.2	242.2	30.65	315
355	8.7	338.1	9.46	10.9	333.3	11.85	13.6	327.8	14.73	16.9	320.9	17.86	21.1	312.0	22.03	40.9	273.2	38.84	355
400	9.8	380.9	12.00	12.3	375.5	15.02	15.3	369.3	18.68	19.1	361.3	22.77	23.7	351.7	27.84	44.7	307.6	49.37	400
450	11.0	428.6	15.13	13.8	422.4	19.04	17.2	415.5	23.61	21.5	406.5	28.80	26.7	395.6	35.27	50.3	346.0	62.51	450
500	12.3	476.0	18.83	15.3	469.3	23.52	19.1	461.7	29.13	23.9	451.7	35.53	29.6	439.7	43.45	55.8	384.7	77.03	500
560	13.7	533.4	23.45	17.2	525.7	29.49	21.4	517.2	36.51	26.7	506.1	44.47	33.2	492.4	54.60	63.0	360.0	102.00	560
630	15.4	600.1	29.67	19.3	591.5	37.26	24.1	581.8	46.27	30.0	569.5	56.17	37.2	554.1	68.99	71.0	340.0	102.00	630
710	17.4	676.3	37.65	21.8	666.6	47.30	27.2	655.6	58.81	33.9	641.6	71.52	42.1	624.3	87.74	80.0	340.0	102.00	710
800	19.6	761.9	47.87	24.5	751.0	60.09	30.6	738.8	74.48	38.1	723.0	90.65	47.4	703.2	111.57	80.0	340.0	102.00	800

Note:

- 1.) All dimensions are in millimetres, and mass in kg/m.
- 2.) PE 63 is not part of the POLLplex range.
- 3.) Nominal Diameter (DN) equals outside diameter.
- 4.) These dimensions also apply to THERMAPIPE

TABLE 6.2

POLLplex — Series 1 — Pressure pipe dimensions for water & air

STANDARD PE 80C, BLUE LINE 80B, ALL BLUE PE 80B, & ONE HUNDRED PE 100 to AS/NZS 4130

SDR	41		33		26		21		17		13.6		11		9		SDR		
	3.2		4		6.3		8		10		12.5		16		20		PN for PE 80		
	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	PN for PE 100
DN	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	Min. Wall	Ave. Mass	DN
16	1.6	12.7	0.075	1.6	12.7	0.075	1.6	12.7	0.075	1.6	12.7	0.075	1.6	12.7	0.075	1.6	12.7	0.075	16
20	1.6	16.7	0.10	1.6	16.7	0.10	1.6	16.7	0.10	1.6	16.7	0.10	1.6	16.7	0.10	1.9	16.1	0.11	20
25	1.6	21.7	0.12	1.6	21.7	0.12	1.6	21.7	0.12	1.6	21.1	0.14	1.9	20.2	0.17	2.3	20.2	0.17	25
32	1.6	28.7	0.16	1.6	28.7	0.16	1.6	28.7	0.16	1.9	28.1	0.23	2.4	27.0	0.27	2.9	26.0	0.27	32
40	1.6	36.7	0.20	1.6	36.7	0.20	1.9	36.1	0.23	2.4	35.0	0.35	3.0	33.8	0.42	3.7	32.3	0.42	40
50	1.6	46.7	0.25	1.6	46.7	0.25	2.0	45.9	0.31	2.4	43.8	0.45	3.0	42.3	0.54	4.6	40.4	0.66	50
63	1.6	59.7	0.32	2.0	59.0	0.38	2.4	58.0	0.47	3.0	55.1	0.71	4.7	53.2	0.86	5.8	50.9	1.04	63
75	1.9	71.2	0.45	2.3	70.3	0.54	2.9	69.1	0.67	3.6	65.7	1.00	4.5	63.6	1.20	6.8	60.9	1.45	75
90	2.2	85.5	0.63	2.8	84.3	0.78	3.5	82.8	0.97	4.3	78.8	1.44	5.4	76.3	1.73	8.2	72.9	2.10	90
110	2.7	104.6	0.92	3.4	103.1	1.15	4.3	101.2	1.46	5.3	96.4	2.14	6.6	93.2	2.59	10.0	89.3	3.12	110
125	3.1	118.9	1.20	3.9	117.2	1.49	4.8	115.3	1.84	6.0	109.8	2.74	7.4	106.0	3.34	11.4	101.4	4.05	125
140	3.5	133.1	1.58	4.3	131.4	1.85	5.4	129.1	2.33	6.7	126.4	3.44	8.3	123.0	4.48	10.3	118.8	5.05	140
160	4.0	152.2	1.97	4.9	150.1	2.44	6.2	147.5	3.05	7.7	144.4	4.48	9.5	140.6	5.47	11.8	135.8	6.63	160
180	4.4	171.4	2.45	5.6	169.0	3.06	6.9	166.2	3.80	8.6	162.6	5.67	10.7	158.2	7.00	13.3	152.7	8.38	180
200	4.9	190.4	3.01	6.2	187.7	3.77	7.7	184.5	4.71	9.6	180.5	5.73	11.9	175.7	7.00	14.7	169.8	8.51	200
225	5.5	214.2	3.81	6.9	211.1	4.79	8.6	207.7	5.92	10.8	203.1	7.24	13.4	197.6	8.88	16.6	190.9	10.80	225
250	6.2	237.8	4.78	7.7	234.6	5.90	9.6	230.7	7.33	11.9	225.9	8.87	14.8	219.8	10.88	18.4	212.2	13.31	250
280	6.9	266.6	5.92	8.6	262.8	7.41	10.7	258.6	9.15	13.4	252.9	11.19	16.6	246.2	13.67	20.6	237.8	16.68	280
315	7.7	300.0	7.44	9.7	295.7	9.34	12.1	290.7	11.66	15.0	284.7	14.07	18.7	276.9	17.31	23.2	267.4	21.14	315
355	8.7	338.1	9.46	10.9	333.3	11.85	13.6	327.8	14.73	16.9	320.9	17.86	21.1	312.0	22.03	26.1	301.5	26.80	355
400	9.8	380.9	12.00	12.3	375.5	15.02	15.3	369.3	18.68	19.1	361.3	22.77	23.7	351.7	27.84	29.4	339.7	33.98	400
450	11.0	428.6	15.13	13.8	422.4	19.04	17.2	415.5	23.61	21.5	406.5	28.80	26.7	395.6	35.27	33.1	382.1	43.05	450
500	12.3	476.0	18.83	15.3	469.3	23.52	19.1	461.7	29.13	23.9	451.7	35.53	29.6	439.7	43.45	36.8	424.6	53.12	500
560	13.7	533.4	23.45	17.2	525.7	29.49	21.4	517.2	36.51	26.7	506.1	44.47	33.2	492.4	54.60	41.2	475.6	66.64	560
630	15.4	600.1	29.67	19.3	591.5	37.26	24.1	581.8	46.27	30.0	569.5	56.17	37.2	554.1	68.99	46.3	535.2	84.23	630
710	17.4	676.3	37.65	21.8	666.6	47.30	27.2	655.6	58.81	33.9	641.6	71.52	42.1	624.3	87.74	52.2	603.1	107.01	710
800	19.6	761.9	47.87	24.5	751.0	60.09	30.6	738.8	74.48	38.1	723.0	90.65	47.4	703.2	111.57	57.2	512.3	102.00	800

Note:

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