

Dimensions Of Polyethylene Pipes And Bosspipe

Polyethylene Pressure Pipes –Series 1 to AS/NZS 4130

Standard Dimension Ratio			SDR 17		SDR 11	
PE 80B - MDPE			PN 8		PN 12.5	
PE100 - HDPE			PN 10		PN 16	
DN	Pipe OD, mm		Mean wall thickness, mm	Mean ID, mm	Mean wall thickness, mm	Mean ID, mm
	min.	max.				
16	16.0	16.3	-	-	1.8	12.7
20	20.0	20.3	-	-	2.1	16.1
25	25.0	25.3	1.8	21.7	2.5	20.2
32	32.0	32.3	2.1	28.1	3.1	26.0
40	40.0	40.4	2.6	35.0	4.0	32.3
50	50.0	50.5	3.2	43.9	4.9	40.5
63	63.0	63.6	4.1	55.2	6.2	51.0
75	75.0	75.7	4.8	65.8	7.2	61.0
90	90.0	90.9	5.8	79.0	8.7	73.1
110	110.0	111.0	7.0	96.5	10.6	89.4
125	125.0	126.2	7.9	109.9	12.1	101.5
140	140.0	141.3	8.8	123.1	13.4	113.9
160	160.0	161.5	10.1	140.7	15.4	130.0
180	180.0	181.7	11.3	158.3	17.3	146.3
200	200.0	201.8	12.6	175.8	19.2	162.5
225	225.0	227.1	14.2	197.8	21.6	182.9
250	250.0	252.3	15.6	220.0	23.9	203.4
280	280.0	282.6	17.5	246.3	26.8	227.8
315	315.0	317.9	19.7	277.1	30.1	256.3
355	355.0	358.2	22.3	312.1	33.9	288.8
400	400.0	403.6	25.0	351.9	38.2	325.4
450	450.0	454.1	28.1	395.9	43.0	366.1

Polyethylene Gas Pipes – Series 3 to AS/NZS 4130:2003

Standard Dimension Ratio			SDR 17		SDR 11	
DN	Pipe OD, mm		Mean wall thickness, mm	Mean wall thickness, mm	Mean wall thickness, mm	Mean wall thickness, mm
	min.	max.				
10	15.7	16.0	-	-	1.7 *	1.7 *
15	21.4	21.7	-	-	2.6 *	2.6 *
18	22.5	22.8	-	-	2.4	2.4
20	26.6	26.9	2.4	2.4	2.6	2.6
25	33.4	33.7	2.4	2.4	3.3	3.3
32	42.1	42.4	2.4	2.4	4.1	4.1
40	48.1	48.4	2.8	2.8	4.6	4.6
50	60.2	60.5	3.8	3.8	5.8	5.8
65	76.0	76.7	4.7	4.7	7.3	7.3
80	88.7	89.2	5.5	5.5	8.5	8.5
100	114.1	114.7	7.1	7.1	10.9	10.9
150	168.0	168.9	10.4	10.4	16.1	16.1
200	218.8	219.9	13.7	13.7	20.9	20.9

* W & F Specifications

Bosspipe

Nominal Stiffness		SN8 and Farmboss		SN16	
DN	Pipe OD, mm	Mean ID, mm	Mean ID, mm	Mean ID, mm	Mean ID, mm
225	259	224	220	220	220
300	353	306	296	296	296
375	442	383	370	370	370
450	531	460	444	444	444

Polyethylene Gas Pipes – Series 2 to AS/NZS 4130:2003

Standard Dimension Ratio			SDR 17.6		SDR 11	
DN	Pipe OD, mm		Mean wall thickness, mm	Mean wall thickness, mm	Mean wall thickness, mm	Mean wall thickness, mm
	min.	max.				
20	20.0	20.3	2.5	2.5	3.2	3.2
25	25.0	25.3	2.5	2.5	3.2	3.2
32	32.0	32.3	2.5	2.5	3.2	3.2
40	40.0	40.4	2.5	2.5	4.0	4.0
50	50.0	50.4	3.1	3.1	4.9	4.9
63	63.0	63.4	3.9	3.9	6.2	6.2
75	75.0	75.5	4.6	4.6	7.2	7.2
90	90.0	90.6	5.5	5.5	8.7	8.7
110	110.0	110.7	6.7	6.7	10.6	10.6
125	125.0	125.8	7.5	7.5	12.1	12.1
140	140.0	140.9	8.5	8.5	13.4	13.4
160	160.0	161.0	9.6	9.6	15.4	15.4
180	180.0	181.1	10.9	10.9	17.3	17.3
200	200.0	201.2	12.0	12.0	19.2	19.2
225	225.0	226.4	13.5	13.5	21.6	21.6
250	250.0	251.5	15.0	15.0	23.9	23.9
280	280.0	282.6	16.9	16.9	26.8	26.8
315	315.0	317.9	18.9	18.9	30.1	30.1
355	355.0	358.2	21.3	21.3	34.0	34.0
400	400.0	403.6	24.0	24.0	38.3	38.3
450	450.0	454.1	27.1	27.1	43.1	43.1

Polyethylene Ducting

Standard Dimension Ratio			SDR 17		SDR 13.6		SDR 11	
DN	Pipe OD, mm		Mean ID, mm	Mean ID, mm	Mean ID, mm	Mean ID, mm	Mean ID, mm	Mean ID, mm
	min.	max.						
20	20.0	20.3	-	-	16.7	16.1	16.1	16.1
25	25.0	25.3	21.7	21.7	21.1	20.2	20.2	20.2
32	32.0	32.3	28.1	28.1	27.0	26.0	26.0	26.0
40	40.0	40.4	35.0	35.0	33.8	32.3	32.3	32.3
50	50.0	50.5	43.9	43.9	42.4	40.5	40.5	40.5
63	63.0	63.6	55.2	55.2	53.3	51.0	51.0	51.0
90	90.0	90.9	79.0	79.0	76.5	73.1	73.1	73.1
110	110.0	111.0	96.5	96.5	93.3	89.4	89.4	89.4
125	125.0	126.2	109.9	109.9	106.1	101.5	101.5	101.5
140	140.0	141.3	123.1	123.1	118.9	113.9	113.9	113.9
160	160.0	161.5	140.7	140.7	135.9	130.0	130.0	130.0
180	180.0	181.7	158.3	158.3	152.8	146.3	146.3	146.3

Notes:

OD – outside diameter.

ID – inside diameter.

SDR – standard dimension ratio.

PN – nominal pressure rating.

SN – nominal stiffness.

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