Data Sheet

INFRAPIPES

Sclairpipe® IPS Data Sheet

IPS Pipe Sizes and Pressure Ratings PE4710

Pipe length: Standard pipe lenghts at 40 ' (480in) & 50 ' (600in), with other lengths available upon request
Certifications: All certifications can be found on our website
Colour Striping: Solid black pipe with color striping (blue, green, lavender) available upon request

SCLAIRPIPE IPS PIPE SIZES AND PRESSURE RATINGS (PE4710)

		DR32.5 (64 psi)			DR26 (80 psi)			DR21 (100 psi)		
NPS	Avg OD (in)	Avg ID (in)	Min Wall (in)	Avg Wt. (lbs/ft)	Avg ID (in)	Min Wall (in)	Avg Wt. (lbs/ft)	Avg ID (in)	Min Wall (in)	Avg Wt. (lbs/ft)
3	3.50 (88.90mm)	3.27 (83.06 mm)	0.108 (2.74 mm)	0.51	3.21 (81.53 mm)	0.135 (3.43 mm)	0.63	3.15 (80.01 mm)	0.167 (4.24 mm)	0.77
4	4.50 (114.30mm)	4.21 (106.93 mm)	0.138 (3.51 mm)	0.84	4.13 (104.90 mm)	0.173 (4.39 mm)	1.03	4.05 (102.87 mm)	0.214 (5.44 mm)	1.27
5	5.56 (141.22mm)	5.20 (132.08 mm)	0.171 (4.34 mm)	1.28	5.11 (129.79 mm)	0.214 (5.44 mm)	1.58	5.00 (127.00 mm)	0.265 (6.73 mm)	1.94
6	6.63 (168.40mm)	6.19 (157.03 mm)	0.204 (5.18 mm)	1.81	6.08 (154.43 mm)	0.255 (6.48 mm)	2.24	5.96 (151.38 mm)	0.315 (8.00 mm)	2.75
7	7.13 (181.10mm)	6.66 (169.16 mm)	0.219 (5.56 mm)	2.09	6.54 (166.12 mm)	0.274 (6.96 mm)	2.59	6.41 (162.82 mm)	0.339 (8.61 mm)	3.18
8	8.63 (219.20mm)	8.06 (204.52 mm)	0.265 (6.73 mm)	3.07	7.92 (201.17 mm)	0.332 (8.43 mm)	3.80	7.75 (196.85 mm)	0.411 (10.44 mm)	4.66
10	10.75 (273.05mm)	10.05 (255.27 mm)	0.331 (8.41 mm)	4.77	9.87 (250.88 mm)	0.413 (10.49 mm)	5.91	9.66 (245.36 mm)	0.512 (13.00 mm)	7.24
12	12.75 (323.85mm)	11.92 (302.77 mm)	0.392 (9.96 mm)	6.70	11.71 (297.43 mm)	0.490 (12.45 mm)	8.31	11.46 (291.08 mm)	0.607 (15.42 mm)	10.18
13	13.38 (339.85mm)	12.50 (317.50 mm)	0.412 (10.46 mm)	7.38	12.28 (311.91 mm)	0.514 (13.06 mm)	9.14	12.02 (305.31 mm)	0.637 (16.18 mm)	11.21
14	14.00 (355.60mm)	13.09 (332.49 mm)	0.431 (10.95 mm)	8.08	12.86 (326.64 mm)	0.538 (13.66 mm)	10.02	12.59 (319.79 mm)	0.667 (16.94 mm)	12.28
16	16.00 (406.40mm)	14.96 (379.98 mm)	0.492 (12.50 mm)	10.56	14.70 (373.38 mm)	0.615 (15.62 mm)	13.08	14.38 (365.25 mm)	0.762 (19.35 mm)	16.04
18	18.00 (457.20mm)	16.83 (427.48 mm)	0.554 (14.07 mm)	13.36	16.53 (419.86 mm)	0.692 (17.58 mm)	16.56	16.18 (410.97 mm)	0.857 (21.77 mm)	20.29
20	20.00 (508.00mm)	18.70 (474.98 mm)	0.615 (15.62 mm)	16.49	18.37 (466.60 mm)	0.769 (19.53 mm)	20.44	17.98 (456.69 mm)	0.952 (24.18 mm)	25.06
22	22.00 (558.80mm)	20.56 (522.22 mm)	0.677 (17.20 mm)	19.96	20.21 (513.33 mm)	0.846 (21.49 mm)	24.74	19.78 (502.41 mm)	1.048 (26.62 mm)	30.32
24	24.00 (609.60mm)	22.43 (569.72 mm)	0.738 (18.75 mm)	23.75	22.04 (560.02 mm)	0.923 (23.44 mm)	29.44	21.58 (548.13 mm)	1.143 (29.03 mm)	36.08
26	26.00 (660.40mm)	24.30 (617.22 mm)	0.800 (20.32 mm)	27.87	23.88 (606.55 mm)	1.000 (25.40 mm)	34.55	23.38 (593.85 mm)	1.238 (31.45 mm)	42.34
28	28.00 (711.20mm)	26.17 (664.72 mm)	0.862 (21.89 mm)	32.33	25.72 (653.29 mm)	1.077 (27.36 mm)	40.07	25.17 (639.32 mm)	1.333 (33.86 mm)	49.11
30	30.00 (762.00mm)	28.04 (712.22 mm)	0.923 (23.44 mm)	37.11	27.55 (699.77 mm)	1.154 (29.31 mm)	46.00	26.97 (684.99 mm)	1.429 (36.30 mm)	56.37
32	32.00 (812.80mm)	29.91 (759.71 mm)	0.985 (25.02 mm)	42.22	29.39 (746.51 mm)	1.231 (31.27 mm)	52.34	28.77 (730.76 mm)	1.524 (38.71 mm)	64.14
36	36.00 (914.40mm)	33.65 (854.11 mm)	1.108 (28.14 mm)	53.44	33.06 (839.72 mm)	1.385 (35.18 mm)	66.24	32.37 (821.20 mm)	1.714 (43.53 mm)	81.18
40	40.00 (1016.00mm)	37.39 (949.71 mm)	1.231 (31.27 mm)	65.98	36.74 (933.40 mm)	1.538 (39.06 mm)	81.70	35.96 (913.38 mm)	1.905 (48.39 mm)	100.22
42	42.00 (1066.80mm)	39.26 (997.20 mm)	1.292 (32.81 mm)	72.74	38.58 (979.93 mm)	1.615 (41.02 mm)	90.16	37.76 (958.99 mm)	2.000 (50.80 mm)	110.49
48	48.00 (1219.20mm)	44.87 (1139.70 mm)	1.477 (37.52 mm)	95.01	44.09 (1119.89 mm)	1.846 (46.89 mm)	117.76	43.15 (1096.01 mm)	2.286 (58.06 mm)	144.32
54	54.00 (1371.60mm)	50.48 (1282.19 mm)	1.662 (42.22 mm)	120.24	49.60 (1259.84 mm)	2.077 (52.76 mm)	149.03	48.55 (1233.17 mm)	2.571 (65.28 mm)	182.65
63	63.00 (1600.20mm)	58.89 (1495.81 mm)	1.938 (49.23 mm)	163.33	57.86 (1469.64 mm)	2.423 (61.52 mm)	202.85	56.64 (1438.66 mm)	3.000 (76.20 mm)	248.61

Data Sheet

Sclairpipe® IPS Data Sheet

IPS Pipe Sizes and Pressure Ratings PE4710

Pipe length: Standard pipe lenghts at 40 ' (480in) & 50 ' (600in), with other lengths available upon request
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Colour Striping: Solid black pipe with color striping (blue, green, lavender) available upon request

SCLAIRPIPE IPS PIPE SIZES AND PRESSURE RATINGS (PE4710)

		DR17 (125 psi)			DR13.5 (160 psi)			DR11 (200 psi)		
NPS	Avg OD (in)	Avg ID (in)	Min Wall (in)	Avg Wt.(lbs/ft)	Avg ID (in)	Min Wall (in)	Avg Wt.(lbs/ft)	Avg ID (in)	Min Wall in (cm)	Avg Wt.(lbs/ft)
3	3.50 (88.90mm)	3.06 (77.72 mm)	0.206 (5.23 mm)	0.94	2.95 (74.93 mm)	0.259 (6.58 mm)	0.81	2.83 (71.88 mm)	0.318 (8.08 mm)	1.39
4	4.50 (114.30mm)	3.94 (100.08 mm)	0.265 (6.73 mm)	1.55	3.79 (96.27 mm)	0.333 (8.46 m)	1.91	3.63 (92.20 mm)	0.409 (10.39 mm)	2.30
5	5.56 (141.22mm)	4.87 (123.70 mm)	0.327 (8.31 mm)	2.36	4.69 (119.13 mm)	0.412 (10.46 mm)	2.93	4.49 (114.05 mm)	0.506 (12.85 mm)	3.52
6	6.63 (168.40mm)	5.80 (147.32 mm)	0.390 (9.91 mm)	3.35	5.58 (141.73 mm)	0.491 (12.47 mm)	4.15	5.35 (135.89 mm)	0.602 (15.29 mm)	4.99
7	7.13 (181.10mm)	6.24 (158.50 mm)	0.419 (10.64 mm)	3.88	6.01 (152.65 mm)	0.528 (13.41 mm)	4.80	5.75 (146.05 mm)	0.648 (16.46 mm)	5.78
8	8.63 (219.20mm)	7.55 (191.77 mm)	0.507 (12.88 mm)	5.68	7.27 (184.66 mm)	0.639 (16.23 mm)	7.03	6.96 (176.78 mm)	0.784 (19.91 mm)	8.47
10	10.75 (273.05mm)	9.41 (239.31 mm)	0.632 (16.05 mm)	8.83	9.06 (230.12 mm)	0.796 (20.22 mm)	10.93	8.68 (220.47 mm)	0.977 (24.82 mm)	13.15
12	12.75 (323.85mm)	11.16 (283.46 mm)	0.750 (19.05 mm)	12.42	10.75 (273.05 mm)	0.944 (23.98 mm)	15.38	10.29 (261.37 mm)	1.159 (29.44 mm)	18.50
13	13.38 (339.85mm)	11.71 (297.43 mm)	0.787 (19.99 mm)	13.67	11.27 (286.26 mm)	0.991 (25.17 mm)	16.92	10.80 (274.32 mm)	1.216 (30.89 mm)	20.36
14	14.00 (355.60mm)	12.25 (311.15 mm)	0.824 (20.93 mm)	14.98	11.80 (299.72 mm)	1.037 (26.34 mm)	18.53	11.30 (287.02 mm)	1.273 (32.33 mm)	22.31
16	16.00 (406.40mm)	14.00 (355.60 mm)	0.941 (23.90 mm)	16.59	13.49 (342.65 mm)	1.185 (30.10 mm)	24.21	12.92 (328.17 mm)	1.455 (36.96 mm)	29.13
18	18.00 (457.20mm)	15.76 (400.30 mm)	1.059 (26.92 mm)	24.76	15.17 (385.32 mm)	1.333 (33.86 mm)	30.64	14.53 (369.06 mm)	1.636 (41.55 mm)	36.87
20	20.00 (508.00mm)	17.51 (444.75 mm)	1.176 (29.87 mm)	30.56	16.86 (428.24 mm)	1.481 (37.62 mm)	37.82	16.15 (410.21 mm)	1.818 (46.18 mm)	45.52
22	22.00 (558.80mm)	19.26 (489.20 mm)	1.264 (32.10 mm)	36.98	18.55 (471.17 mm)	1.630 (41.40 mm)	45.77	17.76 (451.10 mm)	2.000 (50.80 mm)	55.08
24	24.00 (609.60mm)	21.01 (533.65 mm)	1.412 (35.86 mm)	44.01	20.23 (513.84 mm)	1.778 (45.16 mm)	54.47	19.37 (491.99 mm)	2.182 (55.43 mm)	65.55
26	26.00 (660.40mm)	22.76 (578.10 mm)	1.529 (38.84 mm)	51.65	21.92 (556.77 mm)	1.926 (48.92 mm)	63.92	20.99 (532.99 mm)	2.364 (60.06 mm)	76.93
28	28.00 (711.20mm)	24.51 (622.55 mm)	1.647 (41.84 mm)	59.90	23.60 (599.44 mm)	2.074 (52.68 mm)	74.13	22.60 (574.04 mm)	2.545 (64.64 mm)	89.22
30	30.00 (762.00mm)	26.26 (667.00 mm)	1.765 (44.83 mm)	68.77	25.29 (642.36 mm)	2.222 (56.45 mm)	85.10	24.22 (614.99 mm)	2.727 (69.27 mm)	102.42
32	32.00 (812.80mm)	28.01 (711.45 mm)	1.882 (47.80 mm)	78.24	26.97 (684.99 mm)	2.370 (60.20 mm)	96.83	25.83 (656.08 mm)	2.909 (73.90 mm)	116.53
36	36.00 (914.40mm)	31.51 (800.35 mm)	2.118 (53.80 mm)	99.02	30.35 (770.89 mm)	2.667 (67.74 mm)	122.55	29.06 (737.12 mm)	3.273 (83.13 mm)	147.49
40	40.00 (1016.00mm)	35.01 (889.25 mm)	2.353 (59.77 mm)	122.25	33.72 (856.49 mm)	2.963 (75.23 mm)	151.29			
42	42.00 (1066.80mm)	36.76 (933.70 mm)	2.471 (62.78 mm)	134.78	35.40 (899.16 mm)	3.111 (79.02 mm)	166.80			
48	48.00 (1219.20mm)	42.01 (1067.45 mm)	2.824 (71.70 mm)	176.04						
54	54.00 (1371.60mm)	47.27 (1200.66 mm)	3.176 (80.67 mm)	222.81						
63	63.00 (1600.20mm)									

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SCLAIRPIPE IPS PIPE SIZES AND PRESSURE RATINGS (PE4710)

		DR9 (250 psi)			DR7.3 (317 psi)		
NPS	Avg OD (in)	Avg ID (in)	Min Wall (in)	Avg Wt. (lbs/ft)	Avg ID (in)	Min Wall (in)	Avg Wt. (lbs/ft)
3	3.50 (88.90mm)	2.68 (68.07 mm)	0.389 (9.88 mm)	1.18	2.48 (62.99 mm)	0.479 (12.17 mm)	1.99
4	4.50 (114.30mm)	3.44 (87.38 mm)	0.500 (12.70 mm)	2.75	3.19 (81.03 mm)	0.616 (15.65 mm)	3.28
5	5.56 (141.22mm)	4.25 (107.95 mm)	0.618 (15.70 mm)	4.20	3.95 (100.33 mm)	0.762 (19.35 mm)	5.02
6	6.63 (168.40mm)	5.06 (128.52 mm)	0.736 (18.69 mm)	5.96	4.70 (119.38 mm)	0.908 (23.06 mm)	7.12
7	7.13 (181.10mm)	5.45 (138.43 mm)	0.792 (20.12 mm)	6.89	5.06 (128.52 mm)	0.976 (24.79 mm)	8.23
8	8.63 (219.20mm)	6.59 (167.39 mm)	0.958 (24.33 mm)	10.10	6.12 (155.45 mm)	1.182 (30.02 mm)	12.07
10	10.75 (273.05mm)	8.22 (208.79 mm)	1.194 (30.33 mm)	15.69	7.63 (193.80 mm)	1.473 (37.42 mm)	18.75
12	12.75 (323.85mm)	9.75 (247.65 mm)	1.417 (35.99 mm)	22.08	9.05 (229.87 mm)	1.747 (44.37 mm)	26.37
13	13.38 (339.85mm)	10.22 (259.59 mm)	1.486 (37.75 mm)	24.29	9.49 (241.05 mm)	1.832 (46.53 mm)	29.05
14	14.00 (355.60mm)	10.70 (271.78 mm)	1.556 (39.52 mm)	26.62	9.93 (252.52 mm)	1.918 (48.72 mm)	31.79
16	16.00 (406.40mm)	12.23 (310.64 mm)	1.778 (45.16 mm)	34.76	11.35 (288.29 mm)	2.192 (55.67 mm)	41.53
18	18.00 (457.20mm)	13.76 (349.90 mm)	2.000 (50.80 mm)	44.00	12.77 (324.36 mm)	2.466 (62.64 mm)	52.56
20	20.00 (508.00mm)	15.29 (388.35 mm)	2.222 (56.45 mm)	54.32	14.19 (360.43 mm)	2.740 (69.60 mm)	64.89
22	22.00 (558.80mm)	16.82 (426.83 mm)	2.444 (62.10 mm)	65.72	15.61 (396.51 mm)	3.014 (76.56 mm)	78.51
24	24.00 (609.60mm)	18.35 (465.09 mm)	2.667 (67.74 mm)	78.22	17.03 (432.56 mm)	3.288 (83.52 mm)	93.44
26	26.00 (660.40mm)	19.88 (504.00 mm)	2.889 (73.39 mm)	91.80			
28	28.00 (711.20mm)	21.40 (543.56 mm)	3.111 (79.02 mm)	106.46			
30	30.00 (762.00mm)	22.93 (582.42 mm)	3.333 (84.66 mm)	122.22			
32	32.00 (812.80mm)						
36	36.00 (914.40mm)						
40	40.00 (1016.00mm)						
42	42.00 (1066.80mm)						
48	48.00 (1219.20mm)						
54	54.00 (1371.60mm)						
63	63.00 (1600.20mm)						

Note: Pipe dimensions are per ASTM F714 and AWWA C906. Pressure Ratings are for water at temperatures up to 80°F (27°C) as indicated in the AWWA M55 and the PPI Handbook. Ratings will vary for other fluids and temperatures. Some of the pipe sizes and DR's above are available only on request. Check with your representative for availability. Different dimensions and DR's not listed may be available upon special request. Weights are calculated by the methodology established in PPI's TR-7. Technical information contained herein is furnished without charge or obligation and is given and accepted at the recipient's sole risk. As conditions of use may vary and are beyond the control of Infra Pipes, no representations or warranties, express or implied, are made concerning the accuracy, reliability, or completeness of this information.