Spiral Lockseam Ducting

Inskip Spiral Ductwork is manufactured in Adelaide, South Australia and is available in diameters from 75mm up to 1400mm and in wall thicknesses from 0.55mm to 1.6mm.

Round ductwork takes advantage of the strongest natural shape for withstanding both positive and negative pressures. In addition, the helical 4 ply lockseam adds rigidity to the ductwork, resulting in a strength equal to conventional ductwork two gauges heavier.

Advantages

Spiral ductwork features a number of advantages over conventional ductwork:

- High strength means fewer hangers
- Long 6m lengths means fewer joints
- Ease of installation

Materials

Inskip Spiral Lockseam Ductwork is available in galvanised steel and grade 304 stainless steel.

Sizing

Inskip spiral ductwork is available in a range of sizes, as shown in the sizing chart. All Inskip spiral ductwork comes in 6m lengths as standard. All available sizes comply with AS4254-2002 Table 2.4 for operating pressures up to 2500Pa positive pressure.

Profile

All Inskip spiral ductwork features a helical 4 ply lockseam joint:

This manufacturing technique results in a smoother internal bore, for low turbulence flow.

Applications

Inskip spiral ductwork is suitable for a variety of applications including; heating and ventilation, air conditioning, dust and fume control, bulk material handling, rubbish chutes, and concrete formwork.

Fittings

Inskip Dust and Fume also fabricates a wide variety of fittings to suit spiral ductwork including; joiners, bends, branches, cones, flanges, valves, flues, weather cowls, junctions and more.

Diameter (mm)	Inskip Spiral Ductwork Sizing Chart and Weight per Metre (kg)							
	Galvanised Steel					Stainless Steel Grade 304		
	0.6mm	0.8mm	1.0mm	1.2mm	1.6mm	0.55mm	0.7mm	1.2mm
75	1.29	1.72	2.15			1.19	1.52	
80	1.38	1.84	2.3			1.27	1.62	
100	1.72	2.3	2.87	3.44		1.59	2.02	3.47
120	2.07	2.75	3.44	4.13		1.91	2.43	4.16
125	2.15	2.87	3.59	4.3		1.99	2.53	4.33
140	2.41	3.21	4.02	4.82		2.22	2.83	4.85
150	2.58	3.44	4.3	5.17	6.89	2.38	3.03	5.2
160	2.75	3.67	4.59	5.51	7.35	2.54	3.23	5.54
180	3.1	4.13	5.16	6.2	8.26	2.86	3.64	6.24
200	3.44	4.59	5.74	6.89	9.18	3.18	4.04	6.93
220	3.79	5.05	6.31	7.57	10.1	3.49	4.45	7.62
225	3.87	5.17	6.46	7.75	10.33	3.57	4.55	7.8
250	4.3	5.74	7.17	8.61	11.48	3.97	5.05	8.66
275	4.73	6.31	7.89	9.47	12.62	4.37	5.56	9.53
280	4.82	6.43	8.03	9.64	12.85	4.45	5.66	9.7
300	5.16	6.89	8.61	10.33	13.77	4.76	6.06	10.4
310	5.34	7.12	8.9	10.67	14.23	4.92	6.27	10.74
315	5.42	7.23	9.04	10.85	14.46	5	6.37	10.92
320	5.51	7.35	9.18	11.02	14.69	5.08	6.47	11.09
325	5.6	7.46	9.33	11.19	14.92	5.16	6.57	11.26
340	5.85	7.8	9.76	11.71	15.61	5.4	6.87	11.78
350	6.03	8.03	10.04	12.05	16.07	5.56	7.07	12.13
360	6.2	8.26	10.33	12.39	16.53	5.72	7.28	12.47
375	6.46	8.61	10.76	12.91	17.22	5.96	7.58	12.99
380	6.54	8.72	10.9	13.08	17.44	6.04	7.68	13.17
400	6.89	9.18	11.48	13.77	18.36	6.35	8.09	13.86
420	7.23	9.64	12.05	14.46	19.28	6.67	8.49	14.55
425	7.32	9.76	12.19	14.63	19.51	6.75	8.59	14.73
450	7.75	10.33	12.91	15.49	20.66	7.15	9.1	15.59
475	8.18	10.9	13.63	16.35	21.81		9.6	16.46
500	8.61	11.48	14.35	17.22	22.96		10.11	17.33
525	9.04	12.05	15.06	18.08	24.1		10.61	18.19
530	9.12	12.17	15.21	18.25	24.33		10.71	18.37
550	9.47	12.62	15.78	18.94	25.25		11.12	19.06
560		12.85	16.07	19.28	25.71		11.32	19.41
580		13.31	16.64	19.97	26.63		11.72	20.1
600		13.77	17.22	20.66	27.55		12.13	20.79
630		14.46	18.08	21.69	28.92		12.73	21.83
650		14.92	18.65	22.38	29.84		13.14	22.52
670		15.38	19.22	23.07	30.76		13.54	23.22
700		16.07	20.09	24.1	32.14		14.15	24.26
710		16.3	20.37	24.45	32.59		14.35	24.6
750		17.22	21.52	25.82	34.43		15.16	25.99
760			21.81	26.17	34.89		15.36	26.34
800			22.95	27.55	36.73		16.17	27.72
850			24.39	29.27	39.02		17.18	29.46
900			25.82	30.99	41.32		18.19	31.19
950			27.26	32.71	43.61			32.92
1000			28.69	34.43	45.91			34.65
1050			30.13	36.15	48.2			36.39
1100			31.56	37.87	50.5			38.12
1120				38.56	51.42			38.81
1150				39.6	52.8			39.85
1200				41.32	55.09			41.58
1250				43.04	57.39			43.32
1300				44.76	59.68			45.05
1320				45.45	60.6			45.74
1350				46.48	61.98			46.78
1400				48.2	64.27			48.51

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