SOLENO
MASTERING WATER SUSTAINABLY

DATA SHEET

CORRUGATED STEEL PIPE



PRODUCT DESCRIPTION : Corrugated steel pipe, galvanized (GCSP) or aluminized type 2 (ACSP).

FUNCTION : Water course piping.

MANUFACTURING STANDARDS : CSA G401 and ASTM A760/A760M.

RAW MATERIALS : Galvanized or aluminized type 2 steel CSA G401, ASTM 924 and ASTM A929/A929M.

TECHNICAL DATA : Standard length and annular corrugated end : 3 m (9.8 ft) to 12 m (39 ft).
Structural strength: CAN/CSA - S6 (CL-625).

AVAILABLE COUPLER : Soil tight: see technical data table.

TECHNICAL DATA TABLE (metric units)

Nom. dia. (mm) / Corrugation profile (mm)			Mass (kg/m) / Pipe thickness (mm)					Manning	Minimum backfill (mm)		Maximum backfill (m) / Pipe thickness (mm)				Soil tight connector SC (Split Coupler)	
38 x 6,5	68 x 13	125 x 26	1,3	1,6	2	2,8	3,5	n	CL-625	E-80	1,6	2	2,8	3,5	No. of parts	No. of corrugations
150				7				0,013	300	300	70				1	3
200				10				0,013	300	300	70				1	3
250				12				0,013	300	300	70				1	3
	300			14*	19*			0,013	300	300	70	91			1	3
	375			16*	22			0,013	300	300	57	73			1	3
	400			17*	22	30		0,014	300	300	53	68			1	3
	450			22*	25*	38		0,014	300	300	48	68			1	3
	500			22*	28	38		0,015	300	300	42	54			1	3
	600			29*	33*	45*		0,016	300	300	35	45	66		1	3
	700			30*	36	51	67	0,016	300	300	30	39	57	69	1	5
	750			36*	41*	55	73	0,016	300	300	27	35	52	63	1	5
	800			37*	44*	61*	90	0,017	300	300	26	34	50	60	1	5
	900			42*	48*	69*	100	0,018	300	300	23	30	44	56	1	5
	1000				60*	75*	120	0,019	300	300		27	40	50	1	5
	1200				69*	92*	125	0,022	300	300		23	33	42	1	5
	1400	1400			77*	118*	150	0,022	300	500		20	27	35	2	5
		1500			92*	120*	160*	0,022	300	500		20	27	33	2	5
		1600			95*	125*	166	0,023	300	500		18	25	31	2	5
		1800				149*	185*	0,024	300	500			22	28	2	9
		2000				167*	198*	0,025	300	500			20	25	2	9
		2100				168*	206	0,025	300	610			19	24	2	9
		2200				171*	245*	0,025	300	700			18	23	2	9
		2400				197*	251*	0,025	300	700			16	21	2	9
		2700					273*	0,025	500	700				18	3	9
		3000					304*	0,025	500	1000				16	3	9
		3300					328*	0,025	500	1000				14[(2)]	3	9
		3600					372*	0,025	700	1000				12[(2)]	3	9

Note 1 : In the mass/thickness columns, the symbol * indicates that the pipes are certified by the BNQ for GCSP and ACSP. For the diameter 1400 mm, the 68x13 profile is only certified in the pipe thickness of 2.8 mm.

Note 2 : For specific use only, as the recommended flexibility limit has been exceeded.

Note 3 : Values in the table are approximate and may change without notice.

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CORRUGATED STEEL PIPE (CONT'D)

TECHNICAL DATA TABLE (imperial units)

Nom. dia. (in) / Corrugation profile (in)			Mass (lb/ft) / Pipe thickness (in) and Gage					Manning	Minimum backfill (in)		Maximum backfill (ft) / Pipe thickness (in) and Gage				Soil tight connector SC (Split Coupler)	
1,5 x 0,25	2,67 x 0,5	5 x 1	0,052 18	0,064 16	0,079 14	0,109 12	0,138 10	n	CL-625	E-80	0,064	16 ,079	14 ,109	12 ,138	No. of parts	No. of corrugations
6				4,7				0,013	12	12	230				1	3
8				6,7				0,013	12	12	230				1	3
10				8,1				0,013	12	12	230				1	3
12				9,4*	12,8*			0,013	12	12	230	299			1	3
15				10,8*	14,8			0,013	12	12	187	240			1	3
16				11,4*	14,8	20,16		0,014	12	12	174	223			1	3
18				14,8*	16,8*	26		0,014	12	12	158	223			1	3
20				14,8*	18,8	25,53		0,015	12	12	138	177			1	3
24				19,5*	22,2*	30,2*		0,016	12	12	115	148	217		1	3
28				20,2*	24,2	34,27	45,02	0,016	12	12	98	128	187	226	1	5
30				24,2*	27,6*	37	49	0,016	12	12	89	115	171	207	1	5
32				24,9*	29,6*	41*	60,48	0,017	12	12	85	112	164	197	1	5
36				28,2*	32,3*	46,4*	67	0,018	12	12	76	98	144	184	1	5
40					40,3*	50,4*	80,6	0,019	12	12		89	131	164	1	5
48					46,4*	61,8*	84	0,022	12	12		76	108	138	1	5
56		56			51,7*	79,3*	100,8	0,022	12	20		66	89	115	2	5
		60			61,8*	80,6*	107,5*	0,022	12	20		66	89	108	2	5
		64			63,8*	84*	111,6	0,023	12	20		59	82	102	2	5
		72				100,1*	124,3*	0,024	12	20			72	92	2	9
		80				112,2*	133,1*	0,025	12	20			66	82	2	9
		84				112,9*	138	0,025	12	24			62	79	2	9
		88				114,9*	164,6*	0,025	12	28			59	76	2	9
		96				132,4*	168,7*	0,025	12	28			53	69	2	9
		108					183,5*	0,025	20	28				59	3	9
		120					204,3*	0,025	20	40				53	3	9
		132					220,4*	0,025	20	40				45,9[2]	3	9
		144					250*	0,025	28	40				39,4[2]	3	9

Note 1 : In the mass/thickness columns, the symbol * indicates that the pipes are certified by the BNQ for GCSP and ACSP. For the diameter 56 in, the 2,67x0,5 profile is only certified in the pipe thickness of 0,109 in.

Note 2 : For specific use only, as the recommended flexibility limit has been exceeded.

Note 3 : Values in the table are approximate and may change without notice.

APPLICATIONS : Driveway culvert
Steel culvert
Ventilation
Drainage outlet

OPTIONS : Special lengths (available upon request, maximum 22 m (72 ft))[1]
Beveled cuts
Steel eyelet[2]
Arch pipes
Polymer coating
Fish baffles
Perforation (available upon request)
Self-adhesive neoprene roll

Note 1 : Beyond 12 m (39 ft), corrugated annular ends are not possible.

Note 2 : These eyelets must be used in accordance with current lifting and handling standards.