

DATA SHEET

STEEL PIPE

PRODUCT DESCRIPTION : Corrugated galvanized steel pipes (CSP)

FUNCTION : Water course piping

MANUFACTURING STANDARDS : CSA G401

RAW MATERIALS : Galvanized steel CSA G401, ASTM A929

TECHNICAL DATA : Diameter: 150 mm (6 in) to 3,600 mm (144 in)
 Length: 3 m (9.8 ft) to 18 m (59 ft)
 Structural strength: CAN/CSA - S6 - 02 (CL-625) and AASHTO (H-25 and HS-25)
 Manning: 0.013 to 0.025



Steel PIPES

AVAILABLE COUPLER : Soil tight: see technical data table

TECHNICAL DATA TABLE

Nom. dia. (mm) / Corrugation contour (mm)			Weight (kg/m) / Pipe thickness (mm)				Manning	Minimum backfill (mm)		Maximum backfill (m) / Pipe thickness (mm)				Soil tight connector SC	
38 x 6.5	68 x 13	125 x 26	1.6	2	2.8	3.5		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	18			0.013	300	300	70	91			1	3
	375		18	22			0.013	300	300	57	73			1	3
	400		19	24			0.014	300	300	53	68			1	3
	450		21	27			0.014	300	300	48	68			1	3
	500		24	30			0.015	300	300	42	54			1	3
	600		28	35	49		0.016	300	300	35	45	66		1	3
	700		33	41	57	67	0.016	300	300	30	39	57	69	1	5
	750		36	44	63	73	0.016	300	300	27	35	52	63	1	5
	800		37	47	65	90	0.017	300	300	26	34	50	60	1	5
	900		42	53	73	100	0.018	300	300	23	30	44	56	1	5
	1.000			58	81	120	0.019	300	300		27	40	50	1	5
	1.200			70	97	125	0.022	300	300		23	33	42	1	5
		1.400		83	116	150	0.022	300	500		20	29	35	2	5
		1.500		89	124	160	0.022	300	500		20	27	33	2	5
		1.600		95	132	179	0.023	300	500		18	25	31	2	5
		1.800			148	205	0.024	300	500			22	28	2	9
		2.000			165	225	0.025	300	500			20	25	2	9
		2.200			181	245	0.025	300	700			18	23	2	9
		2.400			197	276	0.025	500	700			17	21	2	9
		2.700				306	0.025	500	700				18	3	9
		3.000				336	0.025	500	1.000				16	3	9
		3.300*				367	0.025	500	1.000				14**	3	9
		3.600*				401	0.025	700	1.000				12**	3	9

Note 1: Values in the table are approximate and may change without notice.

LEGEND

* As of May 1, 2016, these pipes aren't certified by the BNQ.

** for specific uses only, as the recommended flexibility limit has been exceeded

CL-625 (CAN CSA-06-06)

E-80 (AREMA Cooper)

SC: split coupler

DATA SHEET

STEEL PIPE (CONT.)

APPLICATIONS : Driveway culvert
Steel culvert
Ventilation
Drainage outlet

OPTIONS : Special lengths are available upon request
Lift eyelet
Arch pipes
Aluminum or polymer cover
Fish baffles
Perforation

COUPLERS AND BEVELED CUTS : Consult the Steel Couplers and Beveled cuts section in this catalogue to obtain more technical information about our complete line of accessories.

SPECIFICATIONS

STEEL PIPE

SCOPE

These specifications apply to all 300 mm (12 in) to 3,600 mm (144 in) diameter corrugated galvanized steel pipes (CSP) with locked seam used for drainage, water course piping and gravity flow storm water sewers.

PIPE REQUIREMENTS

Pipes shall be built with corrugated galvanized steel, and shall comply with standard CSA G401. Corrugations shall be spiral-shaped, except at the ends, where they shall be re-rolled, to allow the use of corrugated split couplers.

RAW MATERIALS

The steel used for these pipes is cold rolled and hot dip galvanized according to standard ASTM A929. The total weight of the zinc coating, for both faces, shall be at least 610 g/m² (2.013 oz/ft²) (commonly known as Z610), measured by the three-edge test.

JOINT PERFORMANCE

Split couplers shall have a corrugated collar, be made from the same material as the main pipe and shall comply with standard CSA G401. A Soleno Textile TX-80 BNQ G.C.T.T.G 3001 geotextile covers the assembly.

ACCESSORIES

Couplers are factory welded. All welds shall be continuous, brushed, then painted with zinc according to standard CAN/CGSB-1.181-92.

DIMENSIONS AND QUANTITIES

Dimensions and quantities shall comply with tender documents and drawings.

INSTALLATION

Installation shall be carried out in compliance with standard BNQ 1809-300, and following Soleno's recommendations. Contact the Soleno representative in your region or visit our website at www.soleno.com for installation recommendations.