


Pipe Type	Corrugation Profile	Diameter	Min. Height of Fill	Area m ²	Metal Thickness																
					Corrugated Steel Pipe					Structural Plate											
					1.6	2.0	2.8	3.5	4.2	3.0	4.0	5.0	6.0	7.0							
					Maximum Height of Fill Over Pipe m																
Round Corrugated Steel Pipe (Note 1)	68 x 13mm	300	300	0.07	61.3	79.7															
		400	300	0.13	45.9	59.7															
		450	300	0.16	40.8	53.1															
		500	300	0.20	36.8	47.8	69.3														
		600	300	0.28	30.6	39.8	57.8														
		700	300	0.38	26.2	34.1	49.5														
		750	300	0.44	24.5	31.9	46.5														
		800	300	0.50	23.0	29.9	43.3														
		900	300	0.64	20.4	26.5	38.5	48.9													
		1000	300	0.79	18.4	23.9	34.7	44.0	53.6												
	1200	300	1.13		19.9	28.9	36.7	44.7													
	1400	300	1.54			23.8	30.3	37.0													
	1500	300	1.77			21.3	27.2	33.2													
	1600	300	2.01			19.1	24.4	29.8													
	1800	300	2.54				19.5	23.9													
	2000	350	3.14					18.9													
		125 x 25mm	1200	300	1.13		20.4	29.6	37.6	45.8											
			1400	300	1.54		17.5	25.4	32.2	39.2											
			1500	300	1.77		16.3	23.7	30.1	36.6											
			1600	300	2.01		15.3	22.2	28.2	34.3											
	1800		300	2.54		13.6	19.7	25.0	30.5												
	2000		350	3.14		12.2	17.7	22.5	27.5												
	2200		400	3.80		11.1	16.1	20.5	25.0												
	2400		400	4.52		10.0	14.8	18.8	22.9												
	2700		450	5.73			13.1	16.7	20.3												
	3000		500	7.07			11.3	14.4	17.5												
Round Structural Plate Corrugated Steel Pipe	152 x 51mm	1500	300	1.77						26.2	39.1	49.8	60.5	70.6							
		1660	300	2.16						23.7	35.3	45.0	54.6	63.8							
		1810	350	2.58						21.7	32.4	41.3	50.1	58.5							
		1970	350	3.04						19.9	29.8	37.9	46.0	53.8							
		2120	400	3.54						18.5	27.7	35.3	42.8	50.0							
		2280	400	4.07						17.2	25.7	32.8	39.8	46.4							
		2430	450	4.65						16.1	24.1	30.8	37.3	43.6							
		2590	450	5.26						15.1	22.6	28.8	35.0	40.9							
		2740	500	5.91						14.3	21.4	27.3	33.1	38.6							

NOTES:

- 1 Refer to manufacturer for non-standard sizes. For non-standard sizes, use the next larger standard diameter for estimating maximum height of fill over pipe.
- A The table based on backfill density of 2243 kg/m³.
- B This OPSD shall be read in conjunction with OPSD 802.010, 802.013, and 802.014.
- C Sizes greater than 3000mm are available subject to design by Canadian Highway Bridge Design Code (CHBDC CSA 56).
- D All dimensions are in millimetres unless otherwise shown.

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HEIGHT OF FILL TABLE				
ROUND CORRUGATED STEEL PIPE AND STRUCTURAL PLATE CORRUGATED STEEL PIPE				
OPSD 805.010				