

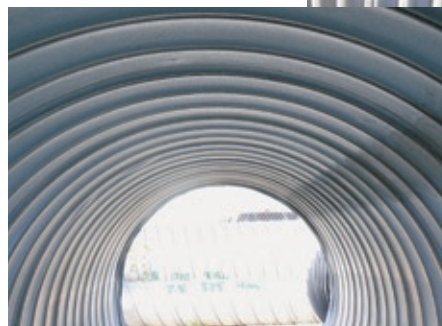


# Hi-Flo<sup>®</sup> Smoothwall Spiral Rib Pipe

## Solve your stormwater problems with the improved hydraulics of a Hi-Flo<sup>®</sup> Smoothwall Spiral Rib Pipe System from AIL.

SAVE TIME. SAVE MONEY. Specify a Hi-Flo<sup>®</sup> Smoothwall Spiral Rib Pipe System for your next project. Hi-Flo<sup>®</sup> is an innovative flexible metal pipe that combines the proven strength of corrugated metal pipe with the flow capacity of a smooth inner wall. Hi-Flo<sup>®</sup> delivers the recommended Manning's 'n' of 0.013 or better and stands up to the most aggressive environments. Look into the many benefits of using a Hi-Flo<sup>®</sup> Smoothwall Spiral Rib Pipe System from AIL:

- ▶ Smooth interior surface for superior hydraulics
- ▶ Economical, strong, lightweight and easy to install
- ▶ Reduced trench excavation and bed preparation
- ▶ Variety of sizes, thicknesses and materials
- ▶ Full range of fittings and accessories
- ▶ Long design service life expectancies
- ▶ Can be used to reline existing systems
- ▶ Full engineering support and field service
- ▶ Approved to CSA Standard G401-07, OPSD Standards 805-030/805-040, and ASTM Standards A760/A796



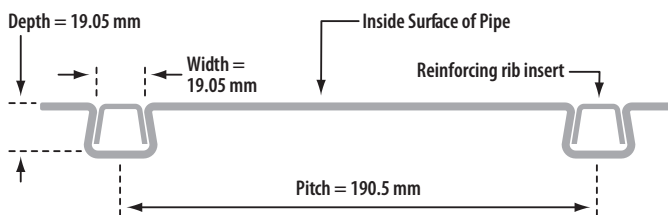
Atlantic Industries Limited  
**We Support You.**



**AIL has been an industry leader in delivering high-quality, corrugated metal solutions since 1965.**



To suit virtually any application, Hi-Flo® Pipe and Pipe Arch come in many different diameters and lengths of 6 m or longer. Thicknesses range from 1.6 mm to 2.8 mm. It is available in galvanized or aluminized type 2 steel and is about 1/12th the weight of concrete pipe.



### Section design properties

Wall Thickness		Area	Moment of Inertia	Section Modulus	Radius of Gyration
Specified	Design				
T	T	A	I	S	r
mm	mm	mm <sup>2</sup> /mm	mm <sup>4</sup> /mm	mm <sup>3</sup> /mm	mm
1.6	1.519	1.082	58.829	4.016	7.375
2.0	1.897	1.513	77.674	5.054	7.164
2.8	2.657	2.523	117.167	7.129	6.815

Properties are effective section properties at full yield stress. Dimensions are subject to manufacturing tolerances.

### Round Pipe depth-of-cover limits (CL-625 live load)

Diameter, mm	Minimum Cover, mm	Maximum Cover, m		
		1.6	2.0	2.8
450	300	21	29	42
525	300	18	25	37
600	300	16	22	30
750	300	13	17	24
900	300	11	15	21
1050	300	9	13	18
1200	300	8	11	16
1350	350	7	10	14
1500	400	6*	9	12
1650	450		8	10
1800	450		7*	9
2100	550		6*	8*
2400	600			
2600	650			

\*These installations require attention to backfill material and compaction methods used.

### Pipe Arch depth-of-cover limits (CL-625 live load)

Span, mm	Rise, mm	Equivalent Diameter, mm	Minimum Cover, mm	Maximum Cover, m		
				1.6	2.0	2.8
500	410	450	300	21	29	42
580	490	525	300	18	25	37
680	540	600	300	16	22	30
830	660	750	300	13	17	24
1010	790	900	300	11	15	21
1160	920	1050	300		13	18
1340	1050	1200	350			16
1520	1200	1350	400			15
1670	1300	1500	450			14
1850	1400	1650	500			

**Your AIL Technical Representative can help you save time and money. Call 1-877-245-7473.**



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