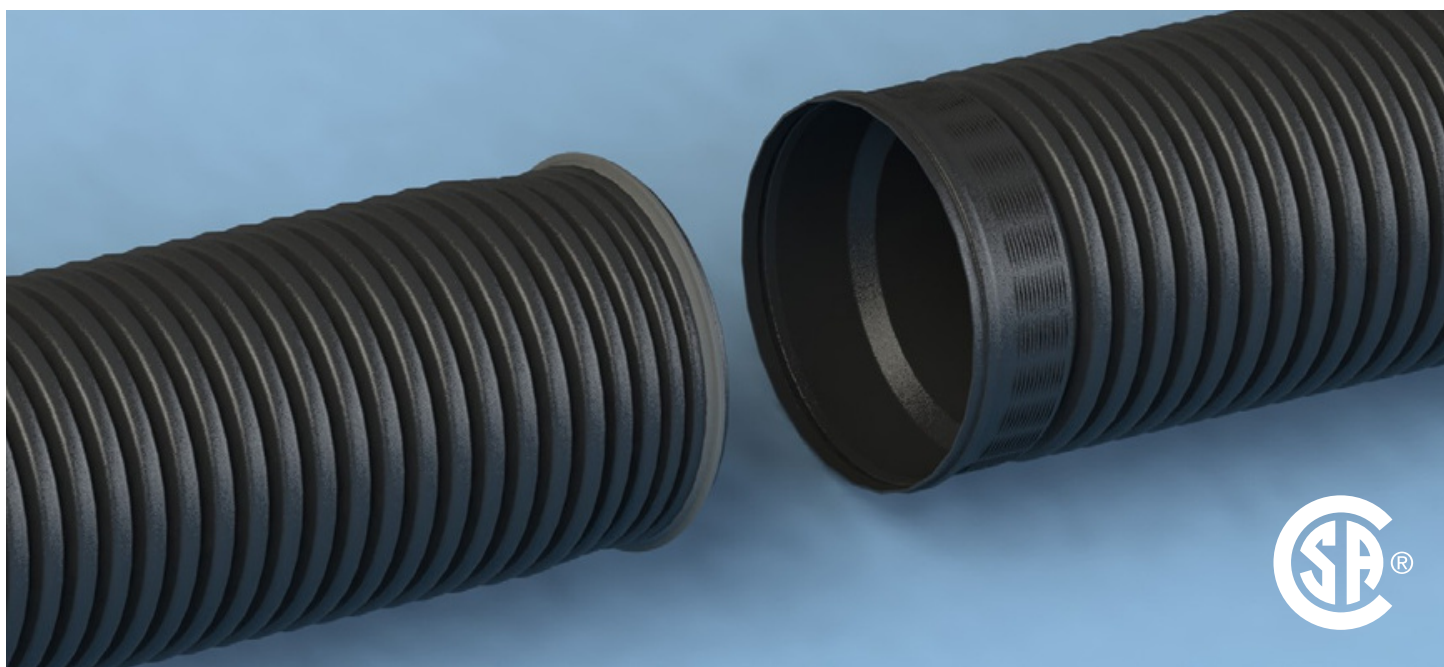


Hi-Flo[®] HDPE
Duo Tite - Bell End Double Wall Pipe

ONTARIO
AGRA
PIPING & SUPPLIES INC.

A double wall pipe featuring a secure bell-and-spigot connection and a smooth inner wall



Hi-Flo HDPE Duo Tite pipe is a corrugated double wall pipe that offers the win-win combination of a secure bell-and-spigot connection with a smooth inner wall for optimum hydraulic flow.

RECOMMENDED FOR

Storm sewers Drainage culverts Ditch piping

Fabricated from High Density Polyethylene, Hi-Flo HDPE Duo Tite is ideal for storm sewer and drainage pipe applications and is available in diameters from 100 mm - 900 mm (4" - 36"). It is available in both 210 kPa and 320 kPa stiffnesses and is designed to meet the needs of highway, municipal, forestry and resource road projects.

NET ZERO BY
2050 ✓



Hi-Flo[®] HDPE

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Features and Benefits

Dual wall bell and spigot joint

- Dual wall bell provides increased stiffness and integrity to watertight joint
- Bell and spigot joint provides quick and simple installation with improved water tightness

Lightweight

- Material handling requires less equipment on the job site, reducing installation costs

Hydraulic performance

- Smooth interior wall ensures optimal flow for sewer applications

Chemical- and corrosion-resistant

- Resistant to corrosion from chemicals such as de-icing salts

Durable

- Durable against all weather conditions
Withstands freeze and thaw cycles

Nestable pipe

- Reduced transportation costs, leading to reduced greenhouse gas emissions

Applicable standards



Look into the full line of Hi-Flo HDPE pipe from AIL

DuoTite - Bell End Double Wall Pipe

Duo - Double Wall Pipe

Uno Flex - Single Wall Pipe





Hi-Flo[®] HDPE

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Technical Data

Scope

This specification describes 100 mm - 900 mm (4" - 36") diameter Hi-Flo HDPE Duo Tite pipe for use in gravity-flow drainage applications.

Pipe Requirements

Hi-Flo HDPE Duo Tite pipe is manufactured with a smooth interior wall and a corrugated exterior certified to the requirements of CSA B182.6 and CSA B182.8. It has a minimum stiffness of 320 kPa measured at a 5% deflection when tested in accordance with ASTM D2412 and is also available in 210 kPa stiffness. Hi-Flo HDPE Duo Tite pipe has a Manning's 'n' value of 0.012.

Material Properties

Hi-Flo HDPE Duo Tite pipe is manufactured from high-density polyethylene (HDPE) resin, conforming with the minimum cell classification of 435400C, as defined in the latest version of the ASTM D3350 standard.

Pipe Dimensions

The nominal pipe size is referenced based on the inside diameter. The tolerance of the stated values of inside diameter is +3% / -1.5%.

Pipe Nominal Inside Diameter mm (in)	100 (4)	150 (6)	200 (8)	250 (10)	300 (12)	375 (15)	450 (18)	600 (24)	750 (30)	900 (36)
Pipe Outside Diameter mm (in)	114 (4.5)	174 (6.8)	237 (9.3)	296 (11.7)	355 (14)	442 (17.4)	536 (21.1)	706 (27.8)	888 (35)	1071 (42.2)

Pipe length

Standard pipe lengths are 6 m and are at a minimum of 99% of the stated length.

Joint Performance

Pipes connect by a bell-and-spigot joint which is lab tested to meet the 100 kPa water pressure and vacuum joint requirements of CSA B182.6. The bell-and-spigot joint also meets the requirements of CSA B182.8 Type 1 when tested in accordance with ASTM D3212. Gaskets are used to create the watertight joints and are supplied with a protective wrap to prevent debris from getting on the gaskets prior to installation. Joint lubricant will be supplied by the manufacturer for use in the installation process.

Installation

Installation of Hi-Flo HDPE Duo Tite pipe is to be in accordance with the standard CSA B182.11 installation recommendations. Please contact a Sales Representative for installation recommendations.