

Single Wall Pipe in HDPE R300

Advanced Drainage Systems offers its know-how and proven innovative solutions for a wide variety of drainage applications. ADS high-density polyethylene (HDPE) pipes provide unparalleled benefits thanks to their exceptional strength and structural properties.

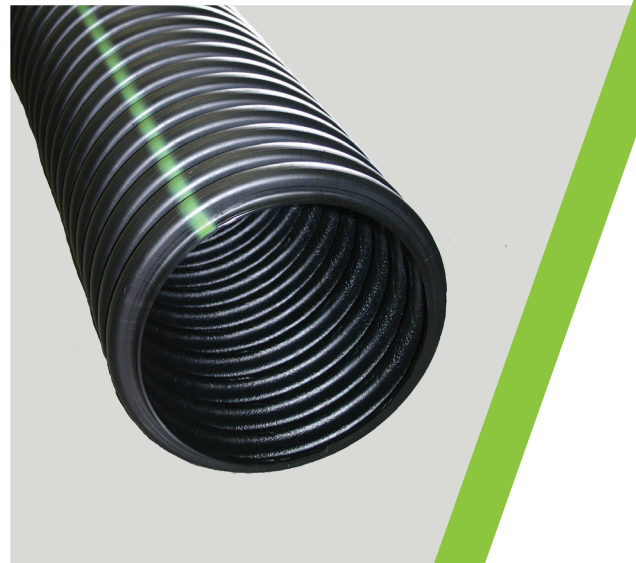
Highway pipes are ideal for stormwater management applications: culverts, ditch pipes, road and highway drainage, drainage and retention systems. They are also suitable for the drainage of parking lots, golf and sports courses, pond management, dams and earthworks.

Features

- Highway pipes meet the requirements of the Ministry of Transport of Quebec (MTQ)
- Available with several types of fittings depending on your needs: split fittings, interior and exterior fittings
- Pipes from 100-200 mm (4"-8") in diameter offered in rolls of 30.5 m (100')
- Pipes that withstand repeated cycles of freeze-thaw and prolonged freeze

Benefits

- Lightweight pipes that are easy to handle: less labor and equipment, quick installation, safer and lower cost
- Pipes complying with standards HS-25 and CL-625 (loads due to road traffic) with a minimum fill height of 300 mm [12"]
- Superior resistance to chemicals, road abrasives and hydrocarbons; pipes that do not corrode, deteriorate or crumble



HDPE R300 Single Wall Pipe Specifications

Scope

This specification sheet covers ADS highway pipes from 100-200 mm (4"-8") diameter used for gravity flow drainage applications.

Requirements

ADS highway pipes have a corrugated wall.

- Pipes from 100-200 mm (4"-8") in diameter are certified to BNQ 3624-110 standards, category R300 Type 1 (non-perforated) and Type 2 (perforated).

Perforation

The total area of perforations per length of pipe is at least 32 cm²/m (1.5 in²/ft).

Filter envelope

The filter envelope complies with standard BNQ 7009-210/2017.

Fittings

Pipes must be connected using interior or exterior fittings, or split fittings that span at least two complete rings of the end of each pipe.

Material properties

Pipes and fittings must be made of high density polyethylene (HDPE) meeting the minimum requirements of classification 424420C for pipes 100-200 mm (4"-8") in diameter.

Installation

The installation of pipes must be carried out in compliance with standards BNQ 1809-300 and CSA 182.11. Pipes subject to road traffic loads must have a minimum backfill height of 300 mm (12"). For the latest guidelines installation instructions, please contact your local ADS Canada representative or visit our website at www.adspipe.com.

Pipe dimensions

Interior Diameter mm (in)	100 (4)	150 (6)	200 (8)
Exterior Diameter approx.* mm (in)	119 (4.7)	178 (7.0)	239 (9.4)

* These values are provided for reference only.

All pipes are offered without perforations, with perforations and with perforations and sock.

Interior Diameter	Standard Length	Description	Product Code
100 mm (4")	30.5 m (100')	Solid	04400100QB
		Perforated	04410100QB
		Perforated with sock	04440100QB
150 mm (6")	30.5 m (100')	Solid	06400100QB
		Perforated	06410100QB
		Perforated with sock	06440100QB
200 mm (8")	30.5 m (100')	Solid	08800100QB
		Perforated	08810100QB
		Perforated with sock	08840100QB

