



Big 'O'®



Building Trades Solutions

A drainage system that will safeguard the homeowner's investment for years to come.



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Big 'O'®



Big 'O'® High Density Polyethylene (HDPE) perforated tubing is an excellent choice for foundation drainage and other groundwater applications. Water is absorbed through spaced slits and diverted to a safe disposal area. For areas where the surrounding soil is fine and requires filtration, Big 'O' perforated tubing is available with a polyester filter sock.

Solid (non-perforated) Big 'O' tubing is designed for applications where water is diverted from one point to another, such as window wells and downspouts. Water cannot escape until it is discharged from the end of the tube to a safe location.

Big 'O' tubing is DURABLE, LIGHTWEIGHT and EASY TO INSTALL!

It is available in a wide range of sizes with a variety of fittings. A Big 'O' drainage system will safe-guard the homeowner's investment for years to come!

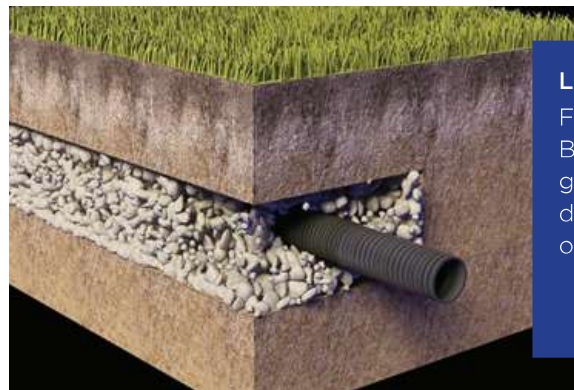
PERFORATED
W/FILTER SOCK

NON-PERFORATED



WINDOW WELLS

Big 'O' solid tubing quickly diverts water from basement window wells preventing damage to the home's foundation.



LOW SPOTS

For wet spots in the lawn or garden Big 'O' perforated tubing installed in gravel will pick up excess water and divert it to a catch basin, storm drain or other safe disposal area.



DOWNSPOUT RUN-OFF

Prevent downspout run-off from accumulating in unwanted areas by diverting it away from the home with Big 'O' solid tubing.



FOUNDATION DRAINS

Big 'O' perforated tubing combines with Platon wrap for a full foundation drainage solution. Installed in a gravel envelope around your home it quickly drains water away from foundation walls keeping basements comfortable and dry.

Nominal Sizes Available

Product and Applications	TUBING DIAMETER							
	50mm 2"	75mm 3"	100mm 4"	150mm 6"	200mm 8"	250mm 10"	300mm 12"	375mm 15"
Perforated For foundation drains and other sub-surface infiltration applications	●	●	●	●	●	●	●	●
Solid (non-perforated) Suitable for point to point drainage	●	●	●	●	●	●	●	●
REDLINE* (with pull string) Solid wall red coex pipe used as a conduit for electrical wires or water lines			●					
Perforated with geotextile filter sock All drainage applications in fine grained soils; prevents clogging	●	●	●	●	●	●	●	●



Specification

Corrugated High Density Polyethylene Tubing for Subdrainage Applications

1. Scope

This specification covers the requirements of corrugated high density polyethylene tubing used in sub-drainage applications. Nominal sizes include 50, 75, 100, 150, 200, 250, 300 and 375mm diameters. Each size is available in solid, perforated or perforated with polyester filter sock.

2. Materials

Pipe shall be manufactured from good quality high density polyethylene resin.

3. Tube Dimensions

The nominal size of the tube is based on the nominal inside diameter of the tube. The tolerance on the specified inside diameter shall be + 3% / - 1.5%.

4. Joints

The pipes shall be joined with external 'insert' or 'split' couplers.

5. Tube Stiffness

The tube has a minimum stiffness of 210 kPa at 5% deflection. Tests shall be conducted in accordance with ASTM D2412.

6. Retest and Rejection

If failure to conform to these specifications occurs, the pipe or fittings may be retested to establish conformity in accordance with an agreement between the purchaser and the seller.

Nominal Diameter (mm)	50, 75, 100, 150, 200, 250, 300, 375
Outside Diameter (mm)	63, 90, 120, 180, 240, 305, 375, 440
Recommended Drainage Depths (mm)	<ul style="list-style-type: none"> • 600mm minimum cover • 2,000mm maximum cover

NOTE:

50mm and 375mm tubing diameters are unavailable in Quebec.



APPLICABLE STANDARDS

- AASHTO M252
- AASHTO M294
- ASTM F667
- BNQ 3624-115