



## TECHNICAL SPECIFICATION

### Gasketed Sewer Pipe Eastern Canada

#### **SCOPE**

This specification covers the requirements for PVC (polyvinyl chloride) gasketed sewer pipes. Nominal sizes 4" to 27" are manufactured in standard dimension ratios (SDR) of 26, 28, and 35 to meet the requirements of the American Society for Testing and Materials (ASTM) standard D3034 (4-15") and F679 (18-27") and are certified to Canadian Standards Association (CSA) Standard B182.2 and Bureau de Normalisation du Quebec BNQ3624-130 (4-6") and BNQ3624-135 (8-27").

#### **MATERIALS**

The pipe is manufactured from virgin PVC compound meeting the cell classification requirements of 12364 as defined by the American Society of Testing and Materials (ASTM) Standard D1784: *Standard Specification for Rigid PVC Compounds and CPVC Compounds*.

When available, NAPCO utilizes reworked PVC material from NAPCO pipe production, in accordance with Clause 4.1.3 of CSA B181.0, ASTM D3034 and F679 and BNQ 3624-130/135. The supply of this type of rework material is not consistent, therefore NAPCO cannot guarantee the exact amount of non-virgin content in any one product.

#### **MARKING**

Pipe markings are as specified in CSA B182.2, BNQ 3624-130/135, ASTM D3034 and F679.

#### **PIPE**

The pipe is manufactured for use in gravity flow sanitary and storm sewer. The pipe is produced with wall thicknesses and pipe stiffnesses as shown in the table below. Pipe Stiffness is determined in accordance with ASTM D2412, *Standard Test Method for Determination of External Loading*. Standard lay length of pipe is 14 ft.

#### **GASKETS**

The pipe utilizes a reiber gasket design which meets the requirements of ASTM D3212, *Standard Specifications for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals*. The gaskets are reinforced with a steel band and the gasket material conforms to the requirements of ASTM F477: *Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*. The standard gaskets are manufactured from Butadiene Styrene (SBR) rubber. For specific purposes, Nitrile (NBR) gaskets can be substituted with this pipe-contact NAPCO for details.

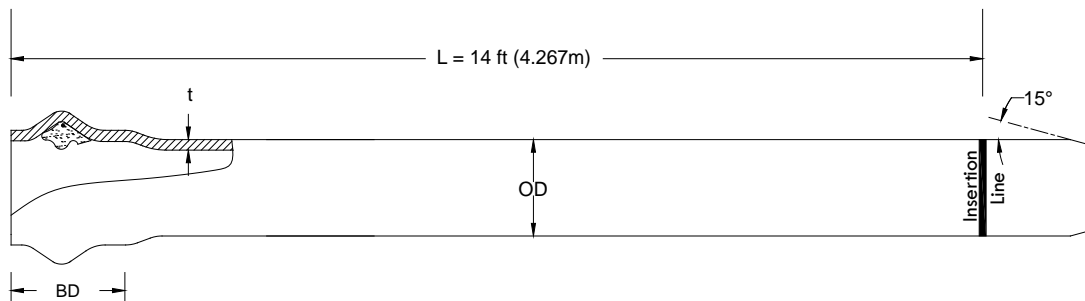


**TEST REQUIREMENTS**

Quality testing is as per NAPCO's Quality Assurance program and in accordance with CSA B182.2, BNQ 3624-130/135, ASTM D3034 and F679.

**PIPE DIMENSIONS**

Nominal Size mm (in)	Outside Diameter (OD) mm (in)	Wall Thickness (t) mm (in)			Stiffness kPa (psi)			Average Bell Depth (BD) mm (in)
		SDR26	SDR28	SDR35	SDR 26	SDR 28	SDR 35	
100 (4)	106.85-107.25 (4.207-4.222)	4.12-4.83 (0.162-0.190)	3.82-4.19 (0.150-0.165)	3.06-3.43 (0.120-0.135)	790 (115)	625 (90)	320 (46)	89 (3.5)
135 (5)	143.00-143.50 (5.630-5.650)		5.12-5.59 (0.202-0.220)	4.09-4.57 (0.161-0.180)				102 (4)
150 (6)	159.10-159.65 (6.264-6.285)	6.13-6.73 (0.241-0.265)	5.69-6.40 (0.224-0.252)	4.55-5.11 (0.180-0.201)				108 (4.25)
200 (8)	213.05-213.65 (8.388-8.412)	8.21-9.14 (0.323-0.360)		6.10-6.76 (0.240-0.266)				140 (5.5)
250 (10)	266.30-267.10 (10.485-10.515)	10.26-11.28 (0.404-0.444)		7.62-8.46 (0.300-0.333)				191 (7.5)
300 (12)	317.05-317.95 (12.482-12.518)	12.21-13.46 (0.481-0.530)		9.07-10.13 (0.360-0.399)				184 (7.25)
375 (15)	388.05-389.20 (15.278-15.323)	14.95-15.75 (0.588-0.620)		11.10-12.32 (0.437-0.485)				190 (7.5)
450 (18)	474.30-475.70 (18.673-18.727)	18.27-19.69 (0.720-0.775)		13.57-15.06 (0.534-0.593)				241 (9.5)
525 (21)	559.15-560.85 (22.014-22.080)			16.00-17.83 (0.632-0.702)				260 (10.25)
600 (24)	629.05-630.95 (24.766-24.840)			18.00-20.04 (0.711-0.789)				279 (11)
675 (27)	708.95-711.05 (27.911-27.994)			20.29-22.58 (0.801-0.889)	305 (12)			



**OPTIONAL PERFORATIONS**

Perforations can be added to the above noted pipe as a custom made product-contact NAPCO.

**Note-perforating this pipe voids the CSA and BNQ certification.**