

N-12® ST IB PIPE (PER CSA B182.8)

N-12 corrugated dual wall pipe was introduced by ADS Canada in 1987 and today's N-12 ST IB pipe offers significant performance advantages, plus the best soil tight joint in the industry. Available in diameters from 100 - 1500 mm (4" - 60"), N-12 pipe is replacing traditional materials as a preferred product for storm water applications.

N-12® ST IB pipe contains a superior built-in bell and spigot joint. The joints are sealed by high-quality, factory-installed gaskets that meet all the requirements of ASTM F477.

APPLICATIONS:

Storm Sewers	Ditch Enclosures
Retention/Detention	Slope/Edge Drains
Golf, Turf & Recreation	Downspouts/Roof Drainage
Culverts/Cross Drains	Foundation Drains
Grain Aeration	Land Reclamation
Waterways	Terracing
Mining/Forestry/Industrial	

FEATURES:

- Available in 6.1 m (20') lengths, resulting in fewer joints, or custom lengths are available
- 100 mm - 1500 mm (4" - 60") diameters available
- Certified to meet Canadian Standards Association B182.8, Type 2, silt-tight joint performance requirements
- HS-25, HL-93 & CL-625 (highway traffic loads) rated with a minimum of 0.3 m (1 ft.) of cover for 100 - 1200 mm (4" - 48") diameters and 1500 mm (60") pipe requires 0.6 m (2 ft.) cover

ADS Canada Service: ADS Canada representatives are committed to providing you with the answers to all your questions, including specifications, and installation and more.



BENEFITS:

- Bell-and-spigot joint allows for quick and easy installation
- Easy-to-handle, safe, lightweight pipe requires less labor and equipment for faster installation and reduced costs
- Superior hydraulics - smooth interior will ensure no debris or sediment build-up
- Provides superior resistance to chemicals, road salts, motor oil and gasoline - will not rust, deteriorate or crumble
- Withstands repeated freeze/thaw cycles and continuous subzero temperatures



ADS CANADA N-12® ST IB PIPE (PER CSA B182.8) SPECIFICATION

SCOPE

This specification describes 100 - 1500 mm (4" - 60") ADS Canada N-12 ST IB (per CSA B182.8) pipe for use in gravity-flow drainage applications.

PIPE REQUIREMENTS

ADS Canada N-12 ST IB pipe shall have a smooth interior and annular exterior corrugations.

- 100 - 1500 mm (4" - 60") shall be certified by an accredited certification body to meet CSA B182.8
- Manning's "n" value for use in design shall be 0.012

JOINT PERFORMANCE

Pipe shall be joined using a bell and spigot joint meeting the Soil-Tight Type 2 requirements of CSA B182.8. The joint shall be soil-tight and gaskets, when applicable, shall meet the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

MATERIAL PROPERTIES

Virgin material for pipe production shall be high density polyethylene conforming with the minimum requirements of cell classification 435400C for 100 to 1500 mm (4" - 60") diameters, as defined and described in the latest version of ASTM D3350, except that carbon black content should not exceed 4%. The virgin pipe material shall comply with the slow crack-growth resistance of compounds (SP-NCTL) test as described in clause 8.5 of CSA standard B182.8. The average failure time of the 5 test specimens shall exceed 24 hours..

INSTALLATION

Installation shall be in accordance with B182.11 and ADS Canada's published installation guidelines with the exception that minimum cover in trafficked areas for 100 - 1200 mm (4" - 48") diameters shall be 0.3 m (1 ft) and for 1500 mm (60") diameter, the minimum cover shall be 0.6 m (2 ft.) in single run applications. Contact your local ADS Canada representative or visit our website at www.ads-pipcanada.com for a copy of the latest installation guidelines.

PIPE DIMENSIONS

Pipe I.D., mm (in.)	100 (4)	150 (6)	200 (8)	250 (10)	300 (12)	375 (15)	450 (18)	525 (21)	600 (24)	750 (30)	900 (36)	1050 (42)	1200 (48)	1500 (60)
Pipe O.D.,* mm (in.)	122 (4.8)	175 (6.9)	231 (9.1)	290 (11.4)	368 (14.5)	457 (18)	533 (21)	622 (24.5)	711 (28)	914 (36)	1050 (42)	1200 (48)	1350 (54)	1702 (67)

*Pipe O.D. values are provided for reference purposes only, values stated for 300-1500 mm are \pm 25 mm.

All diameters are available with or without perforations.

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