



CONCAST. CONSTRUCT. CONNECT.

PERFECT PIPE: The Hybrid Solution

PERFECT PIPE: DURABLE INNOVATION

As leaders in precast innovation, CONCAST is constantly investing in ongoing research and development, to provide our clients with only the highest quality products and services. Introducing the PERFECT PIPE system, the future of the precast and concrete pipe industry.



LEADING THE WAY

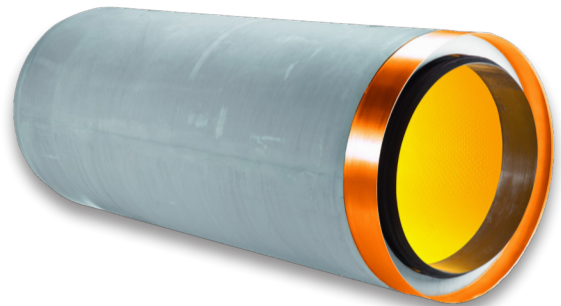
CONCAST is the first precast and concrete pipe manufacturer in Canada to exclusively offer the PERFECT PIPE system. This innovation will revolutionize the landscape of infrastructure systems as we know it.

CONCAST has invested in capital equipment for this state-of-the-art manufacturing process. We are pleased to be able to provide this solution to the Canadian pipe market. With PERFECT PIPE, enjoy increased peace of mind when committing to a long-lasting pipe product, backed by the dependability of the CONCAST brand.



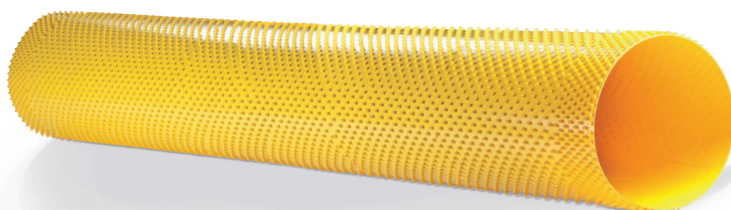
EFFECTIVE MICROTUNNELING

PERFECT PIPE can also include microtunneling to fit your needs. PERFECT MICROTUNNELING PIPE allows the designer the choice to construct the sewer system with, or without, the HDPE liner. The combination of the HDPE liner, and the new improved joint performance inherent in the thermoplastic joint connector, means the pipe can be installed without field welding, which reduces construction disturbance and installation times.



NEXT LEVEL OF CHEMICAL RESISTANCE

PERFECT PIPE is manufactured in various diameters that are 100% protected with a high density polyethylene (HDPE) liner. The HDPE liner protects the interior concrete surface from the damaging effects associated with corrosive gases and liquids that can form in the sanitary sewer system, including Microbial Induced Corrosion (MIC). The PERFECT PIPE HDPE liner is anchored inside the concrete pipe with over 900 homogenously extruded anchors per square metre. Each liner anchor has a pull-out strength of 250N (56 lbs) per anchor. The HDPE liner also boasts superior abrasion resistance when compared to other pipe materials.



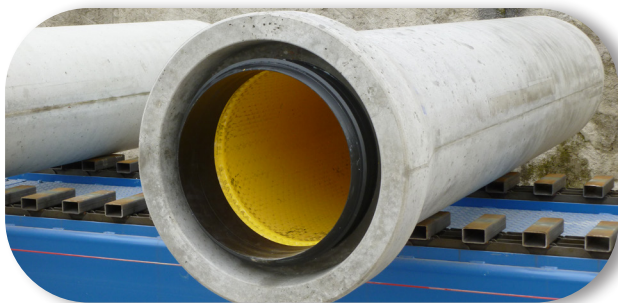
JOINT INTEGRITY AT ITS BEST

PERFECT PIPE joint system can withstand a pressure of 36 psi through the combination of a dual jointing system, that seals the HDPE liner inside the joint of the concrete pipe. For many years, reinforced concrete pipe lined with HDPE has been used for sanitary sewer systems with field-welded joints. PERFECT PIPE improves upon this technology by using a thermoplastic internal connector with dual elastomeric rubber gaskets to join the pipe sections; therefore no field welding is required. What does this mean to the market? Incredible reliability and joint integrity with reduced construction timelines. PERFECT PIPE can be manufactured to CSA A257.2, ASTM C76, AWWA C302, and ASTM C361 specifications.

SIZES

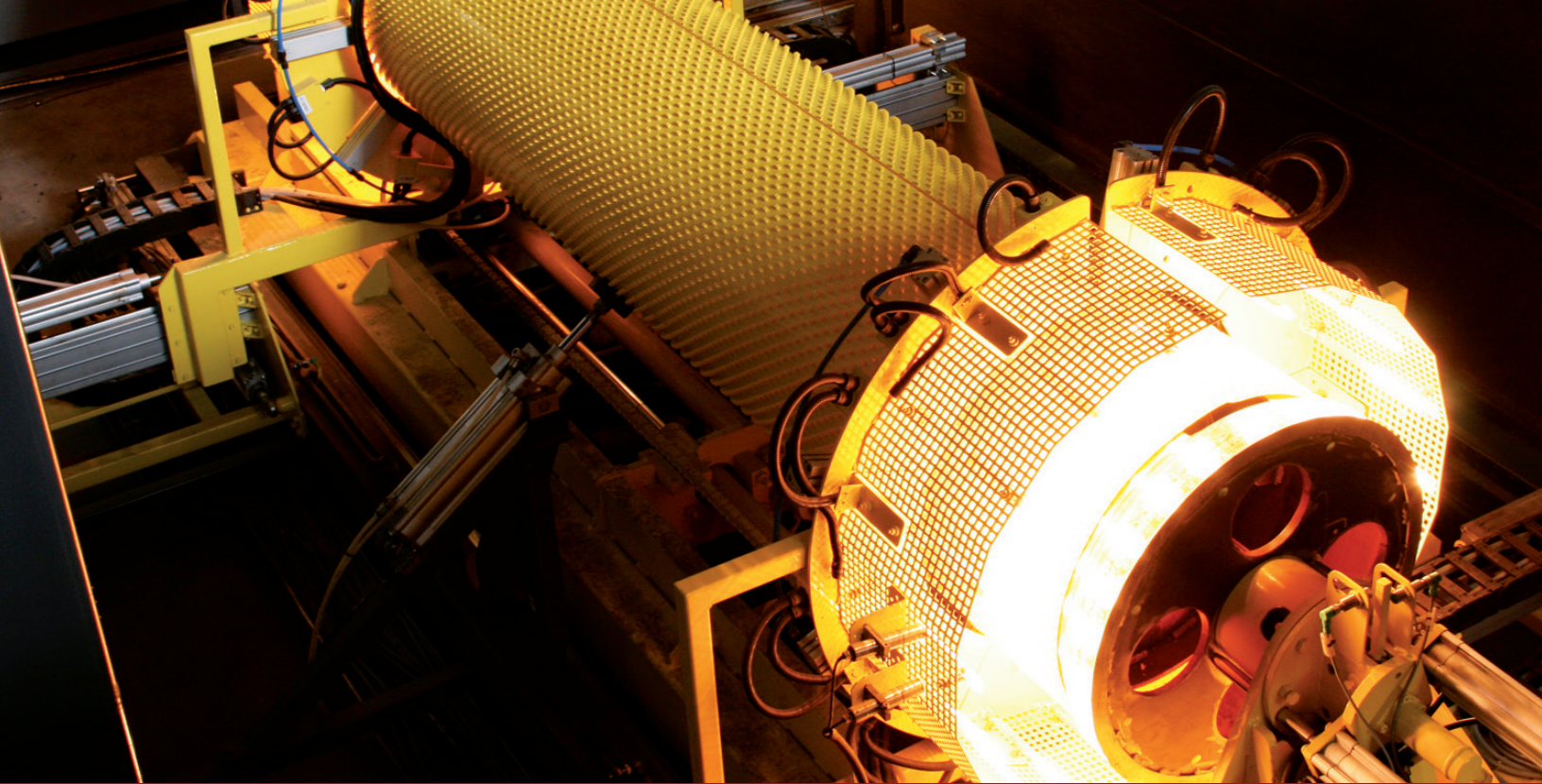
Available in 3.0 m full lay length.

Inner Diameter (mm)	Wall Thickness (mm)
600	95
800	112
900	121
1200	145



BENEFITS OF PERFECT PIPE

- Strong chemical resistance, especially to H₂S
- Watertight joints are designed to withstand low pressure head
- Offers sharp inspection video, resulting from its sharp yellow colour
- High static load capacity
- Shorter installation time
- No circumferential deflection
- Permanent corrosion protection
- Eliminates field-welded joints
- Strong concrete design offers structure and durability
- Applications include traditional gravity sewers, deep installation, high water table environments and microtunneling
- Improved flow
- High abrasion resistance
- Liner is pull-out resistant
- Zero leakage (Infiltration or Exfiltration)
- No confined space entry improves jobsite safety



Please contact us today to learn more about PERFECT PIPE.
Installation manual available upon request.



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