



# Data Sheet

## WHAT WE DO

CORE Linepipe® eliminates internal corrosion in extreme operating conditions by supplying a proprietary pipeline system that consists of:

- Steel pipeline with factory installed HDPE liner
- Proprietary mechanical joining system (ClickWeld®) to connect steel tubulars, eliminating field welding
- Premium electrofusion couplings to join the HDPE liner
- Consultation on design, engineering support (applications engineering), and a range of material options to meet demand
- Integrated field services, project support, and pipeline design



## PRODUCT PERFORMANCE

- CORE Linepipe® delivers pipelines that are durable, versatile, and meet the demands of the most extreme service conditions
- The HDPE liner is installed in a factory environment. The installation is closely controlled using our stringent QC programs
- CORE Liner® is a highly engineered system designed to reduce manpower, equipment, and quality issues. The process is consistent, repeatable, and controlled
- CORE Linepipe® uses premium materials customized to meet service requirements
- Made in Canada with a 25-year design life

## CORE EFFICIENCY AND COST CERTAINTY

Reduced installation manpower, time, and cost:

- Factory pre-installed liners eliminating the need for pulling liner in the field
- Reduced pipe freight
- Reduced workspace requirements, no traditional bell holes
- Less vulnerable to weather delays
- Single hydrotest

	<ul style="list-style-type: none"> <li>• No welding</li> <li>• No separate liner crew</li> <li>• No bell holes</li> </ul>
	<ul style="list-style-type: none"> <li>• 7-10 (min) / joint</li> <li>• 15 mins / flange</li> <li>• Avg 40 mins / field cut</li> <li>• 800 - 1200 (m) / day</li> <li>• 2-4 man crew</li> </ul>

### COST CERTAINTY BY DESIGN

\*CORE Liner®

\*ClickWeld®

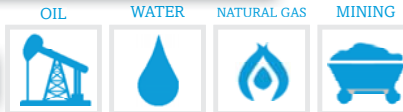
\*CORE Service®





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## APPLICATION ENVELOPE



PARAMETER	SPECIFICATION
Pressure	Up to 900 ANSI/ 2140 psi/ 14,740 kPa
Temperature	60°C/140°F (Oil Emulsion) 80°C/176°F (Water Service)

Product data is subject to change.  
Consult your CORE Linepipe® representative for more information.

## PRODUCT SPECIFICATIONS

PRODUCT	SPECIFICATION
Steel pipe	ERW Z245.1 grade 359 cat II SS, 19 meter joints
Thermoplastic liner	Bi-Modal HDPE PE4710 liner
Flow coefficients	Hazen-Williams 150 Darcy-Weisbach = 0.000005 ft or 0.0015 mm Manning 0.009

Nominal steel outside diameter		Weight		Steel wall thickness		Liner inside diameter		Liner wall thickness		ClickWeld® ring outside diameter	
mm	inches	kg/m	lbs/ft	mm	inches	mm	inches	mm	inches	mm	inches
168	6"	24	16	4.8	0.188	146	5.75	6.3	0.25	210	8.25
219	8"	38	25	5.6	0.220	191	7.52	8.3	0.33	273	10.75
273	10"	Product Under Development									
324	12"	Product Under Development									
Pipe Bends	Can be pre-manufactured or field bent Minimum 20D - Cold bends only (shop or field)										
Flanges	Assembled at plant										

### CORE LINER® Application Envelope

WT	External Coating	Pressure Capacity	Temperature	Water	Oil	Gas	H <sub>2</sub> S
				Water	Oil	Gas	H <sub>2</sub> S
6" CORE Liner®	4.8	14,740 kPa/ 2140 psi	60°C (140°F)	YES	YES	YES	YES
	YJ2K		80°C (176°F) Water/ 60°C (140°F) Oil				
8" CORE Liner®		5.6	9930 kPa/ 1440 psi				
	YJ2K						



Corrosion Resistant steel pipelines - no welding

Eliminates traditional field welding drastically reducing pipeline costs.



Construction time is reduced as much as 50% compared to field liners, reducing pipeline costs.

