



SILVER LINE DS3

BONDED RTP

Bonded RTP for onshore pipeline service

FULLY BONDED. STRUCTURALLY DIFFERENT.

Silver Line DS3 is built as a fully bonded thermoplastic composite pipe. Liner, reinforcement and jacket are consolidated into a cohesive load-bearing wall rather than acting as freely moving layers.

- Controlled load transfer across the bonded pipe wall.
- High fatigue performance under cyclic pressure loading.
- Robust response to bending, impact and demanding field handling.
- Significantly less prone to snaking and kinking.
- Suitable for fluid temperatures up to 82°C, subject to the applicable duty profile.
- Patent-protected consolidation and manufacturing concept.

OPTIONAL INTEGRATED GAS BARRIER (IGB)

The optional IGB configuration reduces significantly gas diffusion and pressure build-up within the pipe wall. It supports high gas-oil-ratio applications, gas gathering and distribution networks as well as associated gas, CH₄, CO₂ and H₂.

- Integrated directly into the bonded construction.
- Supports controlled behavior during rapid pressure changes and decompression.
- Significantly mitigates the risk of jacket ballooning.
- Same inner and outer pipe dimensions as the standard DS3 configuration.

SAME PIPE DIMENSIONS. ADDED GAS PERMEATION CONTROL.

CORROSION-RESISTANT COMPLETE SYSTEM

With no metal in the pipe body, the Silver Line bonded RTP is inherently immune to internal and external corrosion. High-grade stainless-steel fittings extend this corrosion-resistant design across the complete installed system.

APPLICATIONS & INSTALLATION

ONSHORE PIPELINES

Oil and gas flowlines • gathering lines • gas distribution networks • water injection and disposal • associated gas service • CO₂ transport subject to application engineering

FIELD DEPLOYMENT

Trenching • ploughing • surface installation • horizontal directional drilling • fast deployment using long coils and approved procedures

FIELD VALUE

FATIGUE PERFORMANCE

Bonded load transfer supports demanding cyclic pressure service.

LOW-FRICTION INNER BORE

The smooth, low-roughness bore reduces hydraulic friction and helps minimize paraffin adhesion.

RAPID INSTALLATION

Lightweight, long-length coils enable fast deployment, fewer field joints and reduced installation time and equipment requirements.

Pressure class availability depends on nominal size. Fluid-service factors, project conditions and application-specific engineering determine the allowable operating pressure.

PRODUCT HIGHLIGHTS

FULLY BONDED

Cohesive load-bearing wall

DN50 - DN150

2" to 6" nominal range

UP TO 3,000 PSI

Up to 207 bar, size-dependent

IGB OPTION

Same pipe dimensions

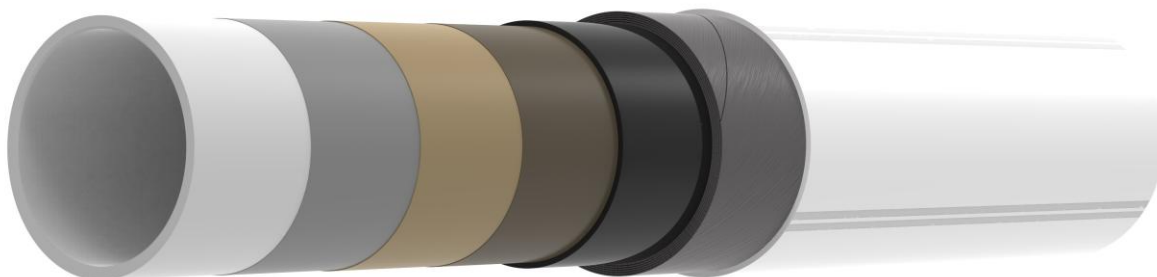
UP TO 1,300 M

Long continuous coil lengths

SILVER LINE DS3 | PRODUCT OVERVIEW

One bonded platform. A broad engineered product envelope.

Product-family representatives support the API 15S qualification program. The commercial range extends from DN50 to DN150 with size-dependent pressure classes.



OUTER JACKET
UV-stabilized HDPE

REINFORCEMENT
Bonded uni-directional high modulus fibre tape

IGB OPTION
Integrated gas barrier

LINER
PE-RT Type II

COMMERCIAL PRODUCT ENVELOPE

NOMINAL SIZE	AVAILABLE PRESSURE CLASSES*	METRIC EQUIVALENT
DN50 - DN100	950 / 1900 / 2250 / 3000 psi	66 / 131 / 155 / 207 bar
DN115 - DN125	950 / 1900 / 2250 psi	66 / 131 / 155 bar
DN150	950 psi**	62 bar**
DN50 - DN150 Commercial size range	73 - 186 MM Pipe outside diameter range	UP TO 1,300 M Maximum coil length
		2.6 - 3.0 M Installed MBR range

COMPLETE FITTING & INSTALLATION SYSTEM

Pipe, fittings and approved installation tooling form one engineered system. Original swaged stainless-steel fittings, system-matched insert and sleeve geometry and approved hydraulic tooling provide reliable load transfer, pressure containment and repeatable field installation.



RECYCLABLE THERMOPLASTIC PIPE BODY. FREE OF METALLIC COMPONENTS.

BONDED PIPE + OPTIONAL IGB + RATED FITTINGS + CONTROLLED INSTALLATION

* Pressure classes and medium suitability depend on exact size, service and applicable product TDS. Fluid-service factors and project-specific derating may apply. Maximum continuous operating temperature is 75°C; 82°C is limited to cleaning/excursion duty of ≤200 h/year. Coil length and MBR depend on size and pressure class. Technical data is subject to change without notice. ** higher MPR on request.