



FLEXCORD™

Spoolable Composite Linepipe able to Overcome Cyclic Challenges

QUICK INSTALLATION & TOTAL LIFE CYCLE COSTS



- Reinforced with high strength galvanized steel cords to handle pressure cycles and pulsations during cyclic applications
- Approximately a 50% reduction in installation crew size and up to 35% installation cost savings compared to a steel pipeline

EXPANDED OPERATING ENVELOPE



- Rigorous internal testing confirms no blistering or collapse after repeated cycles of rapid decompression at 1,000 psi/minute
- Steel cord design allows for enhanced venting of gasses that permeate through the liner allowing for rapid decompression

ANTI-BUOYANT OPTION



- Used in shallow water applications up to a depth of 30 meters (100 ft)
- Eliminate the need for using additional weights for anchoring
- Use with specialized couplings and terminations for no welding, fast and watertight installations

PRODUCT RELIABILITY & SAFETY



- Built to exceed the industry requirements of CSA, API and ASTM standards
- Designed with an industry accepted safety factor which does not require de-rating

THE SHAWCOR DIFFERENCE



- In-house engineers dedicated to ensuring our product is suitable for your application to maximize service life
- Project planning, technical and field services support to ensure on-time delivery and execution
- Contractor installation training allows customers better control over project timing, costs and completion

60° C (140° F)

**MAXIMUM CONTINUOUS
OPERATING TEMPERATURE**

2,250 psi

**[ANSI 900]
MAXIMUM OPERATING
PRESSURE**

APPLICATIONS:

Oil, gas, water, EOR,
H₂S (up to 3,000 ppm),
and CO₂ (up to 100%)

ID SIZES:

3 and 4 inch

LENGTH PER REEL:

525–615 meters (1,722–2,018 feet)

INSTALLATION:

Trenching, plowing, chain
ditching, surface lines, horizontal
directional drilling (HDD), liner pulls
(remediation)

Engineered for high frequency 225 psi peak-to-peak pressure pulsations, combined with 10 full pressure on-off cycles of 0-1,500 psi per day with a 10x safety factor eliminating the need for de-rating in most cyclic applications.



		FC901 AB	FC901	
MAXIMUM OPERATING PRESSURE @ 60°C OR 140°F		15,510 KPA / 2,250 PSI	15,510 KPA / 2,250 PSI	
Nominal Size		2"	3"	4"
Outside Diameter	mm	75.1	100	129
	inches	2.955	3.95	5.07
Inside Diameter	mm	53.8	77	99
	inches	2.12	3.02	3.90
Weight	kg/m	4.82	5.1	8.4
	lbs/ft	3.24	3.4	5.6
Min. Bend Radius (Operational)	m	1.2	1.8	2.1
	ft	4	6	7
Length / Reel	m	750	615	525
	ft	2,460	2,018	1,722
Reel Diameter	m	3.7	3.7	3.7
	ft	12	12	12
Reel Width	m	2.4	1.2	2.4
	ft	8	4	8
Reel Weight – Full	kg	4,750	3,820	5,560
	lbs	10,470	8,415	12,260
Reel Weight – Empty	kg	1,150	680	1,150
	lbs	2,530	1,500	2,530
Fitting Outside Diameter*	mm	87.1	115.6	144.3
	inches	3.43	4.55	5.68
Fitting Inside Diameter*	mm	44.5	63.5	85.9
	inches	1.75	2.50	3.38
Length / Coil*	m	750	-	-
	ft	2,460	-	-
Coil Weight**	kg	3,615	-	-
	lbs	7,970	-	-



Lengths and weights are approximate as they may vary depending on the manufacturing run.
 *Fitting dimensions do not include O.D. of flange provided for flanged end fittings.
 Fitting O.D. and I.D. apply to flanged end, weld-neck and pipe-to-pipe coupling fittings.

Product data is subject to change without notice. Shawcor's products are patented by US Patents 6,889,716; 6,902,205; 7,946,629 B2 and 8,042,252 B2 by Canada Patents 2,513,506; 2,513,468 and 2,562,823 and by European Patent 1592908. Additional patents are pending. Shawcor products comply with API RP 15S, API 17J, CSA Z662-15, ASTM F2686 and ASTM D2992. ©Shawcor Ltd., 2016

Shawcor Ltd. is a global energy services company specializing in products and services for the pipeline and pipe services segment of the oil and gas industry and related products for petrochemical and industrial markets. The Company operates through a network of fixed and mobile manufacturing and service facilities located around the world and is valued for its integrity, technology, and proven capability to execute the most complex projects in our industry.