

# FIBERSPAR TECH NOTES

Product, service and cost savings information from the leader in spoolable pipeline systems

## Fiberspar LinePipe™ customized deployment equipment for fast, efficient and safe field installation

When these field-proven installation systems are deployed with our expert, experienced installation field technicians, the result is a cost-effective installation that gets your project onstream faster.

Custom-designed LinePipe deployment systems from Fiberspar dramatically reduce pipe handling in the field. Projects are staged in strategically located Fiberspar Deployment Centers and brought to location ready to install within minutes of arrival.

In addition to our LinePipe deployment systems, Fiberspar provides specialized equipment, fittings and expert onsite support of your contractors.

When it comes to installation, no other flowline choice comes close to LinePipe's speed and safety. Little or no work needs to be performed in the trench, and LinePipe can be installed with fewer personnel than traditional methods require.

For in-line connections, Fiberspar's patented, mechanical LinePipe connectors are available with coated steel or stainless wetted surfaces. These reliable connectors are fast and simple to install with hand tools. Fiberspar can terminate the line with any connection type (weld-end, thread, flange, etc.) that you require.

### Fiberspar has established new, strategic LinePipe distribution facilities in Australia, the US and Canada.

Fiberspar continues to expand distribution facilities to meet demand for LinePipe and to further reduce total installed costs. In the US, LinePipe is deployed from Bakersfield, Calif.; Grand Junction, Colo.; Williston, N.D.; Kremlin, Okla.; Avis and Charleroi, Pa.; Carrizo Springs, Freer, Houston, Kenedy, Kilgore, Midland and Pharr, Texas; and Rock Springs, Wyo.

In Canada, LinePipe is available from Nisku and Lloydminster, Alberta; and Estevan, Saskatchewan. And in Australia, LinePipe is available from Adelaide.

Contact us for more information about our distribution facilities, or to find out how fast and easy it is to get your production onstream faster.

See *Deployment Systems Capacity Chart* on reverse side.



**A-Frame Deployment System.** Designed for installing 3 1/2" nominal LinePipe and smaller diameters for new construction and pipeline remediation. Two deployment systems can be loaded on a single double-drop flatbed trailer. Equipped with 13-hp hydraulic power unit.



**Horizontal Carousel Deployment System.** Designed for installing larger diameter Fiberspar LinePipe in standard 4", 4 1/2" and 6 1/2" nominal diameters on 16-ft reels. Carousels also can accommodate non-standard LinePipe. Carousels are normally used on flatbed trailers. Equipped with 24-hp hydraulic power unit.



**Single Line Deployment System.** Gooseneck trailer-mounted deployment system for single lines or smaller diameter applications. Can be brought to location by a Fiberspar service technician with 1 ton, dually-type service vehicle. Equipped with 10-hp hydraulic power unit.

## Fiberspar LinePipe Deployment Systems – Capacities per Truckload

Fiberspar LinePipe	Qty/Truck (ft)	Qty/Reel (ft)	Qty Reel (m)	Deployment System
<b>750 Series; 1,500 Series</b>				
FS LP 2 1/2"	27,000	9,000	2,743	A-frame
FS LP 3"	18,000	6,000	1,828	A-frame
FS LP 3 1/2"	18,000	6,000	1,828	A-frame
FS LP 4"	13,500	4,500	1,371	Carousel
FS LP 4 1/2"	9,000	4,500	1,371	Carousel
FS LP 6"	4,200	2,100	640	Carousel
FS LPI 6 1/2"	3,600	1,200	366	Carousel
FS LP 6 1/2"	1,800	600	183	Carousel
<b>2,250 Series</b>				
FS LPJ 2 1/2"	18,000	6,000	1,828	A-frame
FS LPJ 3"	9,000	4,500	1,371	A-frame
FS LPJ 3 1/2"	7,200	3,600	1,097	Carousel
<b>2,500 Series</b>				
FS LPJ 4 1/2"	6,000	3,000	914	Carousel

**Notes**

**A-Frame Deployment System**

For Fiberspar LinePipe 2 1/2" to 3 1/2" sizes. Two 12-ft reels per double-drop trailer. Hydraulic controls for payout. Limited take-up capability. Ready for immediate deployment upon arrival at location. No crane required on location.

**Horizontal Carousel Deployment System**

For Fiberspar LinePipe 3 1/2" to 6 1/2" sizes. Two 16-ft reels per flatbed trailer. Hydraulic controls for payout. Limited take-up capability. Ready for immediate deployment upon arrival at location. Carousel stub shaft allows fast reel change-out if required.

Fiberspar LinePipe 3 1/2" is supplied on standard 12-ft wooden reels, 4,500 ft (1,370 m) per reel.  
 For custom orders, 3 1/2" can be supplied on 16-ft steel reels, 9,000 ft (2,780 m) per reel.

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Fiberspar® spoolable composite pipe and fittings are covered by one or more of the following U.S. Patents: 6,016,845, 5,921,285, 6,148,866, 6,286,558, 6,357,485, 6,604,550, 6,857,452, 7,285,333, 6,004,639, 6,361,299, 6,706,348, 5,988,702 and one or more of the following Canadian Patents: 2,233,295, 2,282,358, 2,321,536, 2,409,304, 2,305,148, 2,233,345. Additional U.S. and Canadian patents are pending.