



# SMOOTHFLEX

FLEXIBLE DUAL-WALL PIPE

Haviland's flexible dual-wall pipe, SmoothFLEX, is revolutionizing the installation of agricultural mains. Extra employees, equipment, and trench boxes are no longer needed.

**Installation is easier, faster, and safer.**

## THE RUNDOWN

- Installs in 1/2 the time as Smooth Flow sticks
- Crush strength is comparable to that of Smooth Flow sticks
- Smooth inner liner provides similar Manning's N-value to that of Smooth Flow sticks
- Trenchless installation requires less labor, less equipment, and contributes to increased jobsite safety
- Ideal solution for draining high water tables
- Available in perforated, sand, and solid

HAVILAND DRAINAGE PRODUCTS

Phone: 419.622.4611

[haviland-drainage.com](http://haviland-drainage.com)

100 W Main St

Haviland, OH 45891

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## AVAILABLE SIZES

SIZE	LENGTH	JUMBO DIAMETER	PIPE OD
6"	1540'	106"	6.8"
8"	725'	102"	9.5"
10"	440'	102"	11.75"
12"	380'	118"	14.5"
15" *	198'	101"	17.5"

\* 15" only available in perforated & solid.

## INSTALLATION RECOMMENDATIONS

### GETTING STARTED

Due to the added strength and stiffness, SmoothFLEX pipe can be difficult to feed into the boot. A strap can be wrapped around the pipe to help pull it through the boot. Alternatively, a length of corrugated tile can be coupled to the SmoothFLEX to lead it through the boot.

### ROUNDED BOTTOM

To provide proper support the trench should have a rounded bottom up to the spring-line of the pipe. Additional stress could be placed on the pipe if there are voids in the haunch area of the pipe. This additional stress can result in a shortened service life of the product. More information can be found with the ASTM F-449 installation standard.

### BOOT WIDTH

It is recommended that the boot be at least 3" larger than the O.D. of the pipe. This excess space will allow the pipe to feed through the boot more smoothly and with less friction.

### COUPLERS

Haviland recommends utilizing double split couplers fastened securely with tile tape at pipe joints. The additional length of the double split coupler will provide added strength and security as the joint feeds through the boot.

### BEND RADIUS

Special precautions may need to be taken to avoid tight bend radiuses. Tight bend radiuses will cause unnecessary force and friction on the pipe, resulting in potential damage.

## CONTACT YOUR HAVILAND REP FOR ADDITIONAL INFORMATION