

SmoothFlex



by: **HAVILAND**
DRAINAGE PRODUCTS

Flexible

Dual-Wall Pipe:

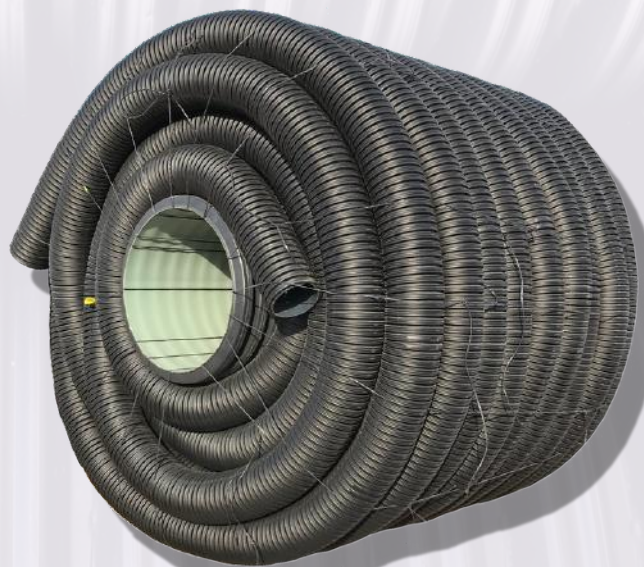
Haviland's flexible dual-wall pipe, SmoothFlex, is changing the market and how you install agricultural mains. Extra crew members, equipment, and trench boxes are no longer needed. Installation time is cut in half! All while offering the same drainage rates as our Smooth Flow sticks.

Benefits:

- Perfect for those areas where the water table elevation is an issue
- Smooth inner liner allows for significantly higher flow rates
- Increased safety in trenchless installation
- Requires less labor and equipment on the jobsite

Features:

- Crush strength is between that of standard single wall tile and Smooth Flow sticks.
- Available in:
 - Solid
 - Perforated
 - Sand
- Perforations are a 4-Row pattern
- A larger boot may be required for installation



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Available Sizes:

Size	Length	Jumbo Diameter	Pipe OD
6" *	1575'	106"	6.8"
8" *	762'	102"	9.5"
10" *	455'	102"	11.75"
12" *	385'	118"	14.5"

*Each Jumbo Contains a 30" Center Core

Boot Design Recommendations:

Rounded Bottom

To provide the proper support the boot 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 the shortening of the life of the product. More information can be found within the ASTM F-449 installation standard.

Width

The O.D. of the pipe should be at least 3" more narrow than the boot. This excess space will allow the pipe to slip through the boot more smoothly & with less friction, thus cutting down on the force needed during installation.

Radius

It is suggested that a bend radius smaller than 50" not be used. Doing so will result in unnecessary force and friction on the pipe, potentially damaging the pipe.

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