

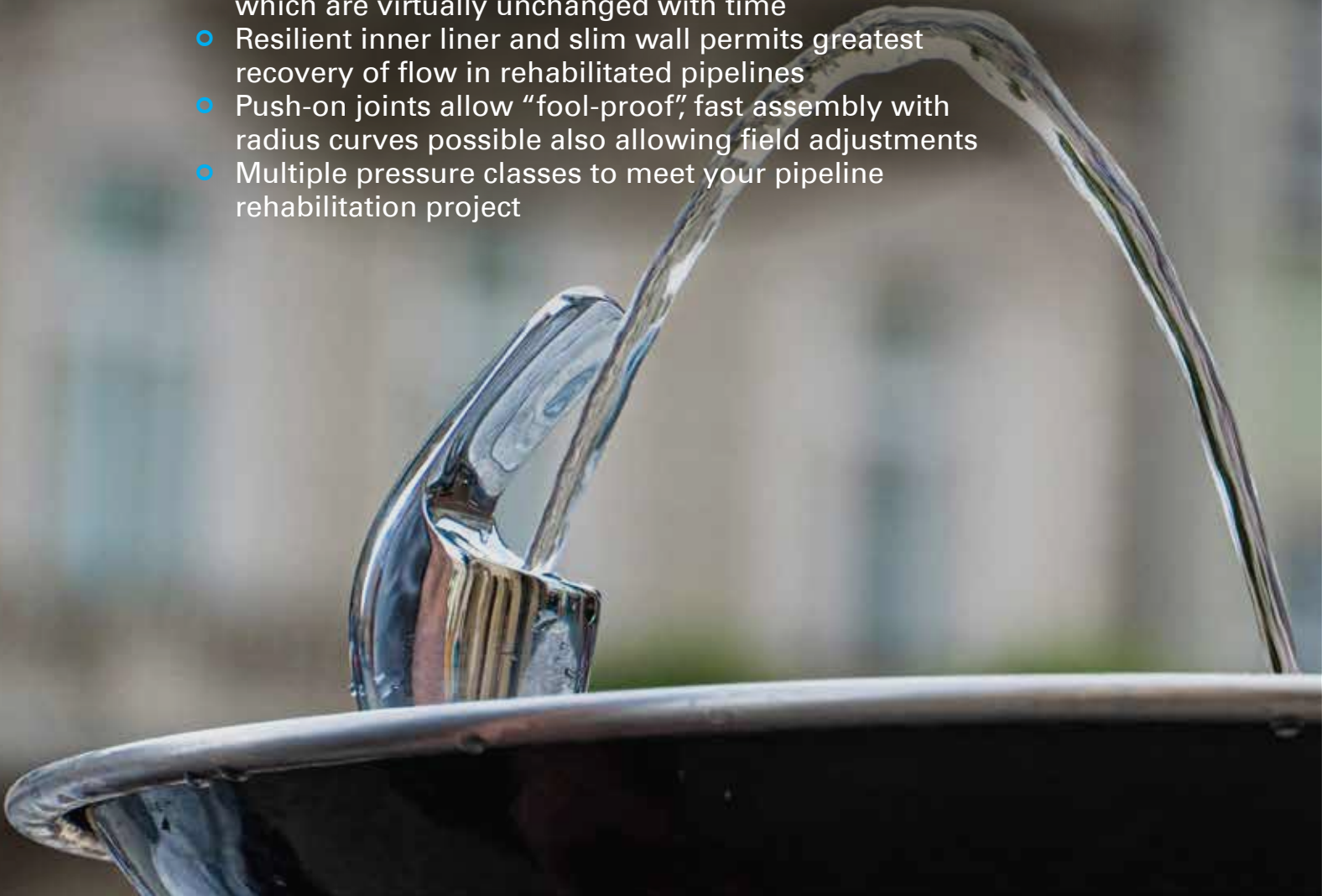
# **HOBAS Pipe USA**

The Structural Rehabilitation of  
Pressure Water and Wastewater  
Pipelines by Segmental Sliplining



HOBAS pipes are ideally suited for rehabilitation of deteriorating pressure pipelines. HOBAS fiberglass pipes are suitable for potable water and are tested in accordance with NSF Standard 61. The pipes high strength yet thinned-walled cross section, combined with the superb hydraulics, provide optimal flow recovery while allowing for a fully structural finished product.

- High strength thin-walled engineered composite – performance is predictable and reliable
- Computer-controlled manufactured process, providing consistent and reproducible high quality pipe
- Non-metallic pipe, required no cathodic protection or issues of stray current
- Excellent hydraulics characteristics (Hazen Williams  $C = 155$ ) which are virtually unchanged with time
- Resilient inner liner and slim wall permits greatest recovery of flow in rehabilitated pipelines
- Push-on joints allow “fool-proof”, fast assembly with radius curves possible also allowing field adjustments
- Multiple pressure classes to meet your pipeline rehabilitation project



## Standards & Testing

HOBAS pressure pipes are manufactured and tested in accordance with many national standards. The gasket sealed FWC couplings offer leak free performance. The FWC offers a consistent seal between the pipe OD and the coupling interior. For some sliplining installations, center registers may be removed, and couplings may be laminated to the pipe barrel for ease of installation.

### Standards

- AWWA C950 Fiberglass Pressure Pipe (water)
- ASTM D3517 Fiberglass Pressure Pipe (water)
- ASTM D3754 Fiberglass Pressure Pipe (sewer)
- AWWA M45 Fiberglass Pipe Design Manual
- ISO 9001
- ISO 14001

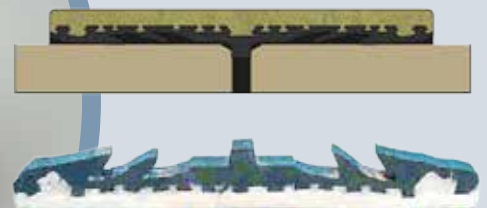
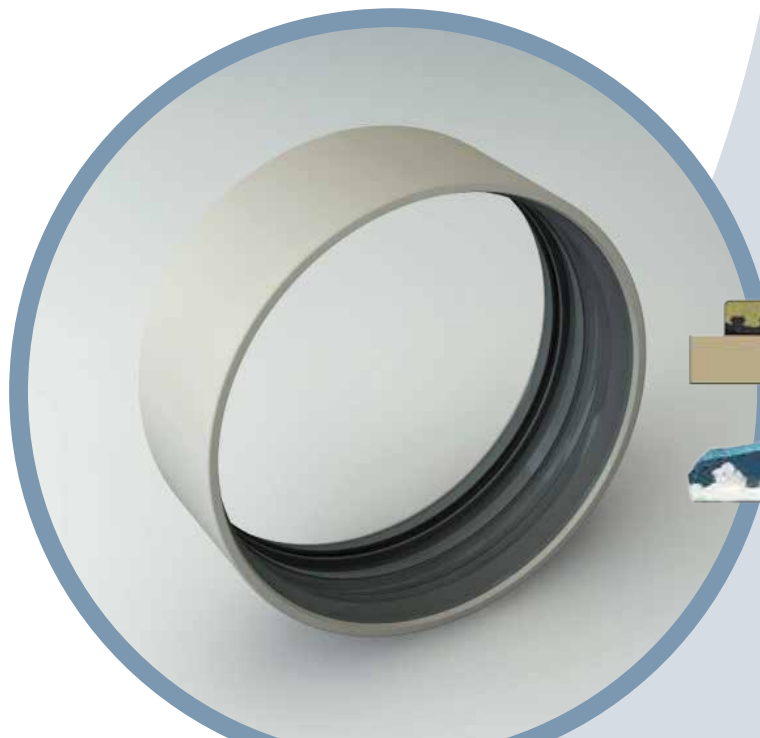
### Test Methods

- ASTM D2412 Parallel Plate Loading
- ASTM D638 Compression by Coupon
- ASTM D695 Tensile by Coupon
- ASTM D2290 Tensile Strength by Split Disk
- ASTM D2992 Hydrostatic Design Basis

DIAMETER	MAXIMUM OPERATING PRESSURE (PW)	MAXIMUM TRANSIENT PRESSURE (PW + PS)	MAXIMUM FIELD TEST PRESSURE (PT)
36" to 54"	200 psi	280 psi	300 psi
57" to 78"	150 psi	210 psi	225 psi
84" to 126"	125 psi	175 psi	187 psi



*Properties of pipes are routinely monitored by quality control testing at the manufacturing plant*



# Connections & Accessories



*Stainless steel closure coupling*



*By pass structure*



*Fiberglass pipes may be connected to many standard steel parts*



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