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

<table>
<thead>
<tr>
<th>DIAMETER</th>
<th>MAXIMUM OPERATING PRESSURE (PW)</th>
<th>MAXIMUM TRANSIENT PRESSURE (PW + PS)</th>
<th>MAXIMUM FIELD TEST PRESSURE (PT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36” to 54”</td>
<td>200 psi</td>
<td>280 psi</td>
<td>300 psi</td>
</tr>
<tr>
<td>57” to 78”</td>
<td>150 psi</td>
<td>210 psi</td>
<td>225 psi</td>
</tr>
<tr>
<td>84” to 126”</td>
<td>125 psi</td>
<td>175 psi</td>
<td>187 psi</td>
</tr>
</tbody>
</table>

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