

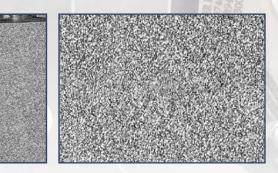
M-GSST-BEN-FEAT-1.9

GRIPSAFE[®] **FAMILY OF ISOLATION & TEST PLUGS**

3

GRIPPING WEDGES

GripSafe ST uses a specially designed wedge system that grips the pipe without scarring the surface. Competitive products that use serrated jaw-like grippers must bite into the pipe wall in order to hold the load. Feasibly, this degrades the pipe's integrity. Additional costs and time to rework, or to add temporary piping to compensate for damages during testing results.



Secure Gripping With Proprietary Gritlock® Technology

- Thousands of microscopic points of surface contact
- Highly dense and durable material
- At most, micro indentations are left behind
- Perform thousands of full hydro test cyles without diminished performance
- Eliminates Pipe Damage

Non-Contaminating Coating

Wedges are compatible with any alloy piping*

**After use in carbon steel pipe, eliminate the chance for carbon remnants being passed on in passivated/clean stainless steel pipe by simply changing wedges or by using another GSST plug not previously introduced to carbon steel pipe.



GripSafe ST





Competitor A

Competitor B

COMPETITIVE WEDGE TESTING

TEST SPECS: SCH 80 PLUGS, ASTM A106 GRADE B STEEL PIPE, PRESSURIZED TO 3,246PSI (FULL HYDROTEST PRESSURE)

TRI-PLY VS. TRADITIONAL URETHANE SEAL TESTS

TRI-PLY® SEALS



- Patented Proprietary Seal Technology
 - Reduces seal creep
 - Less torque required to seal
- Proprietary urethane blend maximizes sealing ability
- Wider seal area over competitive designs
- Expansion range up to 3/8" for greater sealing capacity
- Longer seal life



Traditional urethane seals deform and flatten out when pushed beyond testing limits. The flattening point is when seal expansion seizes, leaving the plug at higher risk for ejection at high pressures

5

ALUMINUM & STAINLESS STEEL BODY MATERIALS

Less Weight (10" and larger plugs)

On average GripSafe ST plugs weigh less than competitive products. Significant weight differences exist as plug sizes increase, reaching upwards of 50% weight reductions.



M-GSST-BEN-FEAT-1.9

- Tri-Ply seals maintain their shape when pushed beyond testing limits