

Safe and Reliable Hydrostatic Testing Solution for EPC Projects



Plant Type

- Power Generation
- Petrochemical & Refining
- Oil & Gas Production
- Modular Plant Construction
- Design & Build Projects
- Ship & Rig Building

Key Personnel

- Construction Superintendents
- Construction Managers
- Pressure Testing Managers
- Pre-Commissioning Managers
- Commissioning Managers
- Test, Project & Piping Engineers
- Modularization
- Construction Technology

Applications

- Module Fabricators
- Pipe Spool & Piping System Fabricators
- Industrial Contractors
- Mechanical Contractors
- Greenfield/Brownfield Plant Construction

Save Time & Money - Eliminate Costly Pre-Heat & Post-Weld Heat Treatment

Conventional methodology for pressure testing plain/bevel end pipe spools requires welding on end caps, performing the pressure test, then cutting off the end cap and re-beveling the pipe. Employing test plugs in lieu of welding end caps eliminates this time consuming cycle, as well as pre-heat, post-weld stress, and the heat affected zone (HAZ) at the spool's end.

GripTight MAX® Features/Benefits

Significantly improve project schedules and increase the range of pipe materials and pressures for testing.

- Safely complete testing in one-tenth of the time vs. welded-on end cap procedures
- Test pressures up to 15000 PsiG (1034 BarG)
- Standard sizes ranging from 3/8" to 48" NPS (DN10-DN1200) – *custom sizes available*
- Patented dual-serrated self-gripping design uses test pressure to increase holding capabilities
- Ideal for use in Carbon Steel, Stainless or High Alloy applications such as, Chromoly, Duplex, Hastelloy, Inconel & Clad
- Easy Installation - *no welding or hot work required*
- Test open-end pipe and tube up to HRC 32
- Facilitates testing in accordance to ASME Boiler and Pressure Vessel Codes
- Hardened shaft, grippers, and cone for increased durability
- Positioning washer prevents plug loss in pipe end
- Laser-marked top washer clearly identifies part number, size range, pressure rating, and document number for operating instructions

GripTight® Elbow Features/Benefits

Safely test pipe spools and piping systems terminating in long radius elbows.

- Orientation independent installation - *no need to align with elbow*
- Eliminates welding and time consuming pre-heat and post-weld heat treatment (PWHT)
- Test pressures up to 3350 PsiG (231 BarG) - *higher pressures available upon request*
- Standard sizes for NPS ranging from 2" thru 48" (DN50-DN1200) – *custom sizes available*
- Patented dual-serrated GripTight MAX gripper design
- Patented floating, self-aligning grippers & seal
- Designed to accommodate a large range of pipe materials including: Carbon Steel, Stainless Steel, Duplex, Inconel, Incoloy, Hastelloy, Chromoly, Clad, and Hardened Material
- Easy Installation - *no welding or hot work required*
- Self gripping design uses test pressure to increase holding capability
- Saves up to 85% in test time vs. welded-on end cap/test procedures
- Laser-marked top washer clearly identifies part number, size range, pressure rating, and document number for operating instructions



GripTight MAX® Test Plug



GripTight® Elbow Plug

GripTight Test Plug Value Proposition

- **Perform tests in one-tenth of the time** - eliminate welding-on/cutting-off end caps and free up your welders to make revenue producing welds
- **Lowest cost per test** - GripTight Test Plugs are reusable 50-100 times - wear components are field replaceable further extending plug life
- Eliminates welding, hot work, pre-heat, and post-weld heat treatment
- Reliable performance in a wide range of sizes and materials

Quality Assurance / Product Approvals

Discuss This Section With Fritz

- Manufactured in an ISO 9001:2015 registered facility
- Meets ASME PCC-2 Article 503 requirements and ASME Boiler and Pressure Vessel Codes
- Compliant with several QA Systems, including; ANSI N45.2,NQA-1, 10 CFR 50 App. B, 10 CFR 21, and TÜV Rheinland