CURTISS-WRIGHT

EST Group

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GripTight® Hydrostatic Test Plugs

Solutions for Every Application

GripTight... a name that stacks up under any condition and/or application! **GripTight** test plugs have been installed countless times in a host of applications. Our patented Gripper designs combined with hardened components and single-body, Uninterrupted Seals make for stellar field performance that's second to none. Whether you are testing open end pipe or systems terminating in long radius elbows, you can count on **GripTight** test plugs to perform above expectations, test after test.

Additionally, our Custom Solutions Team can design test plugs to suit customers' specs, including non-standard sizes, pressure ratings and hydraulically activated plugs.

GripTight MAX	Often imitated but never duplicated, this extremely rugged and versatile plug is the industry standard for almost all applications. Its patented Gripper design can hold up to 15,000 PsiG (1034 BarG) – *no competitor can hold pace.*
GripTight MAX - SS	Stainless Steel grippers on the GT MAX plug boast all the benefits of the GTMAX and is ideal for applications sensitive to corrosion. Grippers can also be plated in different materials for specific applications.
GripTight FLEX	Ideal in applications where pipes may be sensitive to marking. Our patent-pending Flex Gripper design leaves virtually no marks whatsoever.
GripTight Elbow	Versatile plug designed for testing long radius elbows without welding. Offering all the benefits of the GT MAX, the GripTight Elbow plug boasts a patented Self-Aligning Gripper & Uninterrupted Seal design, providing a safe and effective solution for testing pipe spools and piping systems terminating in long radius elbows.
Outer Diameter (OD) GripTight	Patented design of self-actuated stainless steel grippers, self-sealing and reliable Dual Seal Mechanism provides unparalleled speed and safety in hydrotesting without contacting the ID of the pipe. The whole pipe can be hydrotested with no green (unwetted) area.

With 95 Years of Engineering Excellence Behind Them, Why Trust Your Projects to Any Other Plugs!

Competition Killer!

Save Significant Time & Money on Projects

Our GripTight line of test plugs provides customers with safe & effective solutions for high pressure hydrostatic testing and isolation of open-end pipe, piping systems, tubing, and pressure vessels at working pressures up to 15,000 PsiG (1034 BarG).

No matter the application, GripTight plugs consistently outperform alternative tools as a result of their patented Gripper design!
Other manufacturers would like you to believe they have the best product on the market... to that we say, not so fast!

Top 5 Reasons to use GripTight® Plugs

- Working pressures up to 15,000 PsiG (1034 BarG)
- Patented design eliminates welding to perform testing
- Facilitates testing in accordance with ASME PCC-2 and ASME Boiler & Pressure Vessel Codes
- Consistently outperforms alternative plugs
- Less expensive than alternative plugs

Advantages of GripTight® Plugs

- Safe & reliable testing at higher pressures
- Reusable – up to 50 -100 tests without need to replace components
- Easy installation – eliminates welding
- Saves up to 85% in testing time vs. welded-on end cap procedures
- Facilitates testing in hardened materials up to HRC32
- Positioning washer prevents plug loss in pipe end
- Clean, simple design – less mechanical complexity compared to alternatives

Disadvantages of Alternative Plugs

- Cost – up to 2x more expensive
- Consistently lower pressure ratings
- Use of an external pipe restraint highly recommended by manufacturers on plugs 4” and larger
  - – Significantly increases total cost on smaller sizes
  - – Increases installation time & difficulty
- Requires 2”- 4” of additional unwetted pipe to install, due to longer plug length
- Pipe yield concerns – demonstrated by need for pipe restraints
- Gripper marks – small in area, but can leave deep gouges
- Difficult for vertical installations – no top washer
- Plugs are not self-centering – can lead to in-pipe slippage

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