

## **EST Group**

# **GripTight® Test Plugs vs. Welded End Caps**

#### **Comparison of Savings Using Test Plugs Over Welded End Caps**

Welding end caps to perform testing of new and/or existing piping systems is a costly endeavor. GripTight Test Plugs' proven technology routinely saves customers 80-90% in time and personnel costs over welding on/cutting off end caps and/or test heads.

- **Time Savings** Reduce up to 90% of the time pressure testing versus welding end caps.
- Increase Productivity Complete 5 times more test packages weekly.
- **Reduce Manning** Projects are already being completed with reduced staff. Switching to GripTight Test Plugs you can release welders to work on other profitable projects. *One socially distant pipefitter is all you need (up to 24" NPS sizes)!*

#### **Equipment Required to Install Test Plugs**

Scaffolding

- 1 Crane (8" plugs and up)
- 1 Forklift / Bobcat
- 1 Fitter





#### **Equipment Required to Install Welded Test Caps**

Scaffolding (hoarding and heat may be required based on ambient temp) Pre-heat and PWHT equipment

Cold cut equipment

- 1 Crane (8" caps c/w 2' pipe and up)
- 1 Forklift / bobcat
- 1 Clamshell (1 required for each pipe size)
- 1 Welder (2 required on larger pipe sizes and wall thicknesses 12" and up)
- 1 Fitter / helper

### **Typical Installation & Removal Times**



NPS (DN)	Schedule	GripTight Test Plugs				Welded Caps				Labor
		Personnel Required	Installation Labor Hours	Removal Labor Hours	Total Labor Hours	Personnel Required (Welders & Fitters)	Installation Welding & Prep Time	Removal Cut Time	Total Labor Hours	Hours Saved per Pipe End
10" (DN250)	Std	1 fitter	0.25	0.25	0.5	1	1.5	0.5	2.0	1.5
	Sch 120	1 fitter	0.25	0.25	0.5	2	4.0	2.0	12.0	11.5
20" (DN500)	Std	1 fitter	0.25	0.25	0.5	2	4.0	1.5	11.0	10.5
	Sch 120	1 fitter	0.25	0.25	0.5	2	8.0	4.0	24.0	23.5
30" (DN750)	Std	1 fitter	0.25	0.25	0.5	2	5.0	2.0	14.0	13.25
	Sch 120	1 fitter	0.25	0.25	0.5	2	10.0	8.0	36.0	35.5

North, Central & South America EST Group 2701 Township Line Road Hatfield, PA 19440-1770 USA | +1.215.721.1100 +1.800.355.7044 | est-info@curtisswright.com Europe / Middle East / Africa EST Group B.V. Hoorn 312a 2404 HL Alphen aan den Rijn The Netherlands | +31.172.418841 | est-emea@curtisswright.com China +86.400.636.5077 | est-china@curtisswright.cn | Singapore +65.3158.5052 | est-asia@curtisswright.com