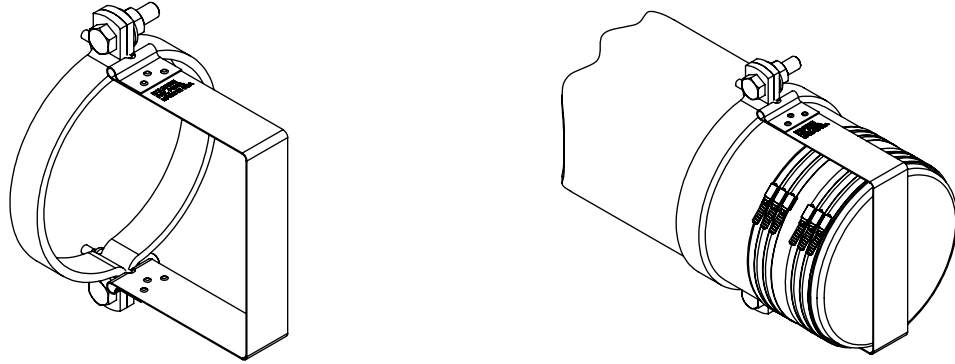


**PRODUCT SPECIFICATION DRAWING**  
**HOLDRITE® #117-10, -12 & -15 (BP or BP-G) Series No-Hub Fitting Restraints**



**#117-10BP, -12BP or -15BP (standard)**  
**or**  
**#117-10BP-G, -12BP-G or -15BP-G (galvanized)**  
**(Blind Plugs)**

THE HOLDRITE® #117-10, -12 & -15 (BP or BP-G) Series No-Hub Fitting Restraints are designed to reinforce no-hub cast iron installations in accordance with the installation instructions of U.S. cast iron soil pipe manufacturers, CISPI Designation 310-11 and the 2006 CISPI Installation Handbook. The #117-10, -12 & -15 (BP or BP-G), 10”- 15” pipe size, restraints retain a blind plug onto the adjoining pipe. When installed correctly, these restraint brackets achieve a safe thrust pressure rating equal to 50’ head of water pressure. Pipe clamps must be torqued to 60 ft/lbs. Models ending in “-G” represent “galvanized”.

**NOTE:**

While these restraint kits aid in compliance with the 2006 CISPI Handbook, they are not intended to suggest that no-hub pipe and fittings should be subjected to pressures in excess of the pipe manufacturers' recommendations.

**Product Information:**

- Material:
  - Strap: 16GA, CRS, Galvanized Steel
  - Clamp: Heavy Duty Black or Galvanized Steel Pipe Clamp
  - Hardware: Standard (BP) or Galvanized (BP-G)
- Patent pending
- Thrust force restraint test data available upon request
- Refer to installation instructions at [www.holdrite.com](http://www.holdrite.com)

THIS INFORMATION IS PROPRIETARY TO HOLDRITE AND IS SUBJECT TO CHANGE WITHOUT NOTICE. IT MAY NOT BE REPRODUCED IN PART OR WHOLE WITHOUT WRITTEN AUTHORIZATION.



Product Submittal	
Job Name:	
Date:	
Part Number:	Qty:
Architect / Owner:	
Contractor:	
Notes:	