

MISSION

# EZ-TEST® COUPLING

**Makes Pressure Testing Easy!**

## EZ Answers to Your Questions



**Plus  
EZ Installation  
Guide**

**“Take a bite out of  
YOUR testing costs!”**



**(800) 854-9991**

**www.missionrubber.com**

## EZ Answers to Your Questions about the EZ-Test® Coupling

### **What pipe sizes and materials can be joined?**

At present, the EZ-Test® Coupling is available to join 2" CI, 3" CI and 4" CI. However, our intention is to expand the range to connect additional sizes, i.e. 2" PL, 3" PL, 4" PL, 6" CI and 6" PL.

### **Will the EZ-Test® Coupling test equally well with air or water?** Yes.

### **How much internal pressure will the EZ-Test® Coupling withstand?** About 15 p.s.i.g. (three stories of head pressure).

**How does the diaphragm “tear out”?** After test is complete, thread cord through eyelet of pipe wrench (14" minimum) and insert wrench into mouth of fitting. Pipe wrench must touch the bottom of fitting. Wrap excess cord around teeth of wrench to take up slack. Once cord is tightly wrapped around pipe wrench, rotate pipe wrench until rubber diaphragm punctures. Effluent will release. Continue rotating pipe wrench until rubber diaphragm is detached from EZ-Test® Coupling.

**Is there a possibility that a portion of the diaphragm will remain in the drain line?** No. The molded overlay design ensures a clean tear out every time. The possibility of a flow obstruction is non-existent with the EZ-Test® Coupling.

**Can the performance of the EZ-Test® Coupling be altered by temperature changes?** No. Unlike modern day test equipment, the diaphragm's material composition is well suited to temperature fluctuations.

*Note: The EZ-Test® Coupling is comparable in composition to that of a roof flashing, which is exposed to greater climactic changes than the EZ-Test® Coupling would ever be. Secondly, due to the expansive nature of the rubber gasket it would balloon out even in an almost frozen state, yet still hold test.*

**Can the product leak?** No. Due to its one-piece construction, the EZ-Test® Coupling cannot leak. The rubber gasket and tear-out diaphragm are ONE, integrated unit. Traditional products, like pneumatic test plugs, can leak.

**How do I keep from getting wet when I drain the test?** Properly installed, the rubber diaphragm will block/divert most of the media flow away from the fitting opening. However, a Mission Dry Cap is available for complicated installations. The dry cap ensures that all water remains in the piping system, not on the plumber.

**Can the plumber install it backwards?** Yes. However, the rubber diaphragm is clearly marked “Wet Side” and “Dry Side” to prevent this from occurring.

### **What happens if there's a leak in the system and I have to drain the stack before my test is complete?**

It is recommended that you install a Mission Rubber End Cap w/Hose Bibb onto any stub-out or fitting just above the EZ-Test® Coupling. Reason: You won't have to pull and replace the EZ-Test® Coupling if there's a leak in a pipe, fitting or coupling. An End Cap w/Hose Bibb allows you to direct the flow of water away from the test area during drainage. You can then refill the system with water through the end cap (and not at the top of the stack) and perform your test again.

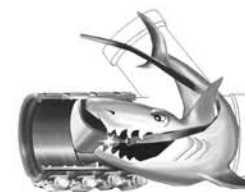
### **What are the major advantages of this system to the plumber?**

- a) The EZ-Test® Coupling is just a plain end coupling that is also used for testing purposes. Testing now becomes a routine part of your everyday job.
- b) No extra room is required to accommodate cumbersome testing equipment.
- c) The plumber doesn't have to buy a variety of different testing equipment. The EZ-Test® Coupling can be used “across the board” in a variety of applications such as in-line testing (*vertical stack & horizontal runs*), closet flanges, shower drains, roof drains, etc.
- d) Testing equipment (*plugs, panels, compressors, hoses, etc.*) is very expensive and is designed with planned obsolescence in mind. No more worries about defective test plugs, theft, loss, or vandalism concerns associated with testing. On the other hand, the EZ-Test® Coupling provides the plumber with a single-use, “test as you go” device.
- e) No more trips back to the job site to install complicated testing equipment. Today's test equipment won't hold test for any prolonged period of time. Sometimes it takes the plumbing inspector awhile to arrive at a job site. During that time, the plumber may have to return to the job site on separate occasions to ensure the test equipment is still functioning properly. The EZ-Test® Coupling never leaks and there's no need to send the plumber back and forth from the job site. Just fill your drain lines, perform the test, and you're done.
- f) With the EZ-Test® Coupling the plumber can now test each floor as he goes, or he can test all three floors at once, saving time and money.
- g) Pneumatic plugs are DANGEROUS! The EZ-Test® Coupling eliminates all product liability and safety concerns associated with the use of pneumatic test plugs.
- h) The EZ-Test® Coupling is economical, safe and easy to use.

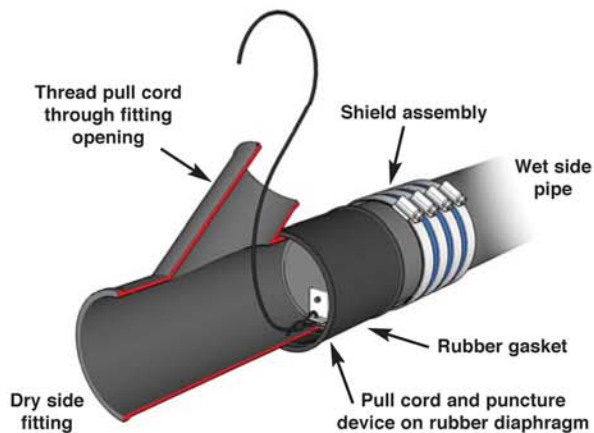


# EZ-TEST<sup>®</sup> COUPLING

## EZ Installation Guide



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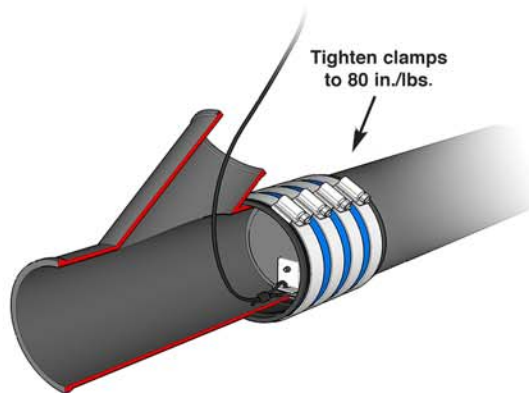


**1.** Remove shield assembly from rubber gasket and slide over wet side pipe. Thread pull cord through fitting opening and position rubber gasket over fitting end (Puncture device should be positioned as far from the fitting opening as possible). Pull cord should be free to rotate. Fitting must fit tight against pipe stop.

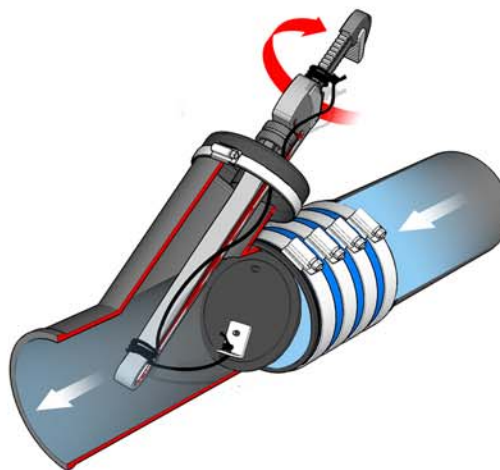
**14" Minimum  
Pipe Wrench**



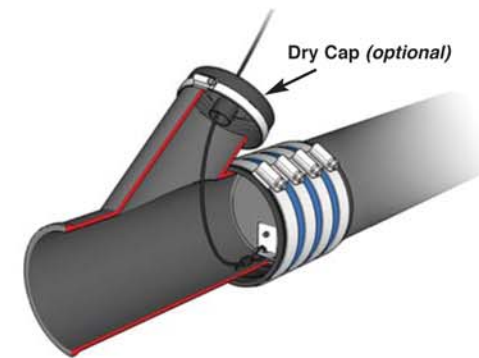
**4.** Perform test. After test is complete, thread cord through eyelet of pipe wrench (14" minimum) and insert wrench through dry cap into mouth of fitting. Pipe wrench must touch the bottom of fitting. Wrap excess cord around teeth of wrench to take up slack.



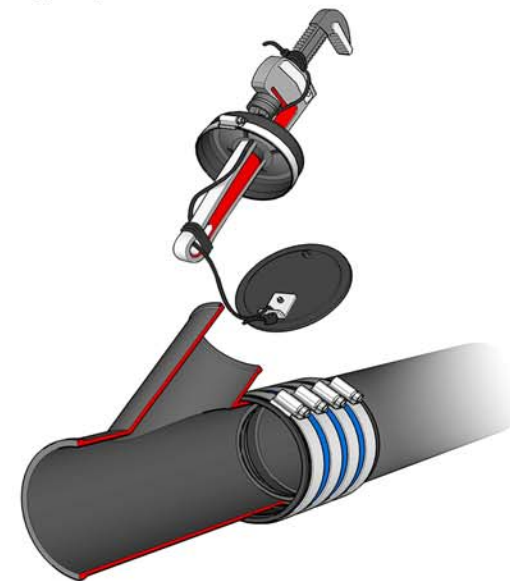
**2.** Couple wet side pipe into rubber gasket, ensuring that pipe end is secure against pipe stop. Slide shield assembly in place over rubber gasket and tighten clamps to 80 in./lbs. of torque.



**5.** Once cord is tightly wrapped around pipe wrench, rotate pipe wrench until rubber diaphragm punctures. Effluent will release. Continue rotating pipe wrench until rubber diaphragm is detached from EZ-Test<sup>®</sup> Coupling.



**3.** Install dry cap (optional), threading cord through cap.



**6.** Remove dry cap and extract rubber diaphragm from fitting.

U.S. Patent Nos. 6,575,475 B1; 6,622,748 B2; 6,915,819 B2; 6,976,499 B2; 7,089,964 B1; and Other Patents Pending.