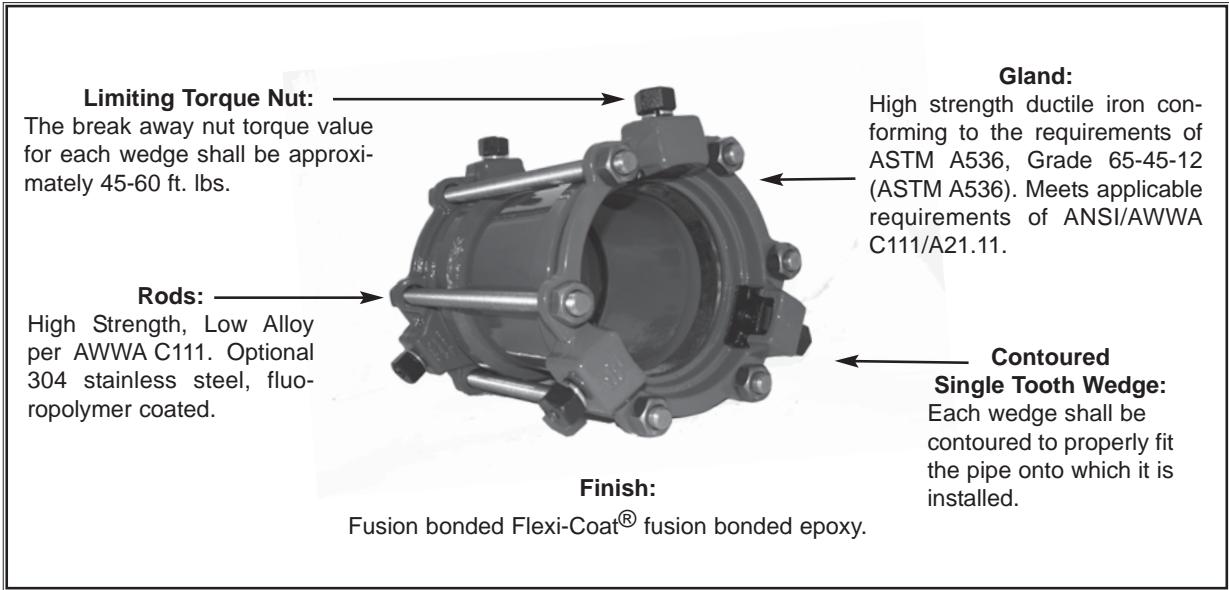


Pipe-Lock Joint Restraint Steel Sleeve Coupling - 470 Series

Product Specifications



Check the CC-100 brochure for UL/FM listings.

Features:

- Available as a complete coupling in Straight, Transition and Reducing styles.
- Use with the Multi-Seal Gasket for more flexibility in nominal sizes 4"-12" - mixing IPS and D.I. O.D. PVC.
- Longer sleeves available.
- Sleeve and Cam-Lock gland coated with Flexi-Coat® fusion bonded epoxy per AWWA C213 for superior corrosion protection.
- Restrains plain end pipe to plain end pipe.
- Can join IPS PVC or D.I. O.D. PVC to DI or Carbon Steel with the appropriate Cam-Locks on each end.
- Restrained joint requires no other method of restraining the pipe.
- Comes as a complete unit (sleeve, 2 Cam-Locks, 2 gaskets, appropriate number of studs) or as a sleeve only to use with your existing inventory.
- Ordering the sleeves, Cam-Locks and hardware separately gives you flexibility with your inventory.
- More Reducing combinations available.

Clamp Number	Size	Working Pressure
471 (Straight - Ductile Iron x Ductile Iron)	3" - 48" Nominal	3"-16" 350 PSI / 18"-48" 250 PSI
472 (Straight - PVC x PVC)	3" - 36" Nominal	4"-24" Rated at the pressure rating of the PVC pipe it is used on, up to 250 PSI. 30" 150 PSI / 36" 125 PSI.
473 (Straight - PVC x Ductile Iron)	3" - 48" Nominal	4"-24" Rated at the pressure rating of the PVC pipe it is used on, up to 250 PSI. 30" 150 PSI / 36" 125 PSI.
474 (Reducing - Ductile Iron x Ductile Iron)	3" - 48" Nominal	Rating based on larger of the 2 OD's: 3"-16" 350 PSI / 18"-48" 250 PSI
475 (Reducing - PVC x PVC)	3" - 36" Nominal	Rating based on larger of the 2 OD's. 3"-24" Rated at pressure rating of PVC pipe on which it's installed, up to 250 PSI. 30" 150 PSI / 36" 125 PSI
476 (Reducing - PVC x Ductile Iron)	3" - 48" Nominal	4"-24" Rated at the pressure rating of the larger PVC pipe it is used on, up to 250 PSI. 30" 150 PSI / 36" 125 PSI.

Product Specifications

SPECIFICATION:

The restrained coupling shall have a body made of carbon steel per ASTM A36, A283 Grade C, or approved equivalent, having a minimum yield of 30,000 psi. Mechanical restraint shall be an integral part of the follower gland utilizing multiple single tooth wedges. Each follower gland shall incorporate cam action, independent wedge engagement and meet applicable requirements of ANSI/AWWA C111/A21.11. Restrained couplings sized through 8" for PVC or Ductile Iron applications shall utilize no more than three mechanical restraint wedges per device. Assembled joints into each follower gland through 12" shall allow for five degree deflection, two degrees 14" through 24", 1.5 degrees 18'-24", one degree 30"-48". Each assembled coupling follower gland joint shall maintain flexibility after burial. Follower glands shall incorporate positive visual indication that each wedge properly engaged the pipe onto which it is installed. Actuating bolts for the mechanical wedges shall not have limited thread travel. Restrained couplings shall properly restrain IPS size or ductile iron size PVC pipe

without modification. Each mechanical restraint wedge shall be contoured to properly fit the pipe onto which it is installed. Wedges for ductile iron applications shall be heat treated and e-coated black. The breakaway nut torque value for each wedge shall be approximately 45-60 ft. lbs. Follower glands shall be manufactured of high strength ductile iron conforming to the requirements of ASTM A536, Grade 65-45-12. Each restrained coupling shall be rated to the working pressure of the pipe on to which it is installed with a minimum 2:1 safety factor. Follower glands shall have a factory applied Flexi-Coat epoxy coating. All actuating components shall be manufactured of ASTM A536 Grade 60-40-18 ductile iron at a minimum and e-coated red for PVC applications and black for ductile iron applications. The gasket shall be SBR standard mechanical joint meeting AWWA C111 and ANSI A21.11. The standard sleeve coating shall be Flexi-Coat fusion bonded epoxy. The nuts and bolts are to be 5/8" high strength low alloy steel to AWWA C 111 (ANSI A21.11) standards.

The Restrained Coupling Adapter shall be a Smith-Blair, Inc., 470 series Pipe-Lock or approved equal.

Approved By
Name:
Title:
Date:

*THESE PRODUCT SPECIFICATIONS WERE CORRECT AT TIME OF PUBLICATION.
MATERIAL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
SEE CATALOG BROCHURE CC-100 FOR MORE DETAILS. VISIT SMITH-BLAIR'S
WEBSITE AT WWW.SMITH-BLAIR.COM TO DOWNLOAD THE MOST CURRENT INFORMATION.*



**Ph: 870-773-5127 • Fax: 870-773-5212 • www.smith-blair.com
Toll-Free Numbers: Ph: 800-643-9705 • Fax: 800-648-6792
30 Globe Ave, Texarkana, AR 71854 • PO Box 5337, Texarkana, TX 75505**