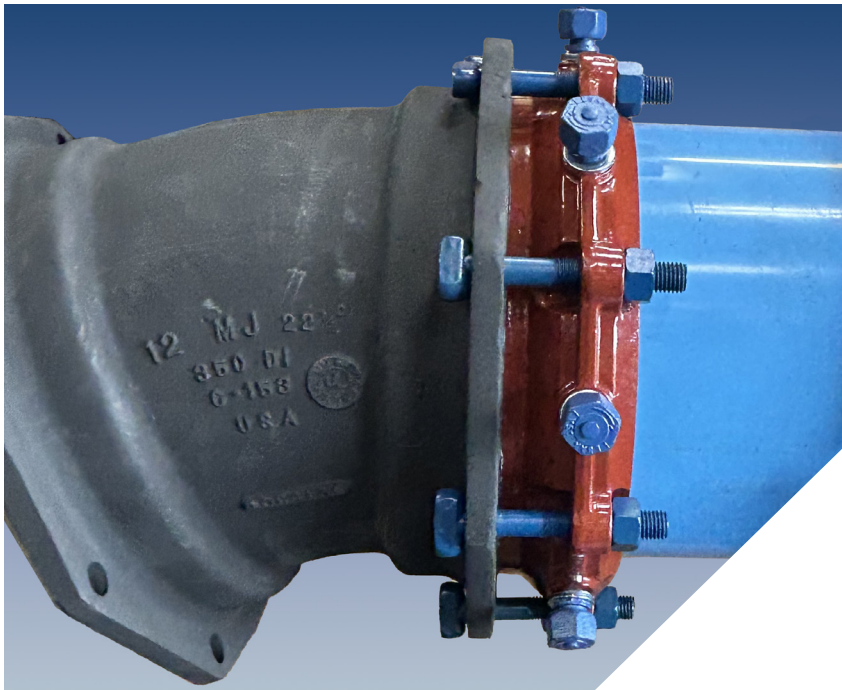


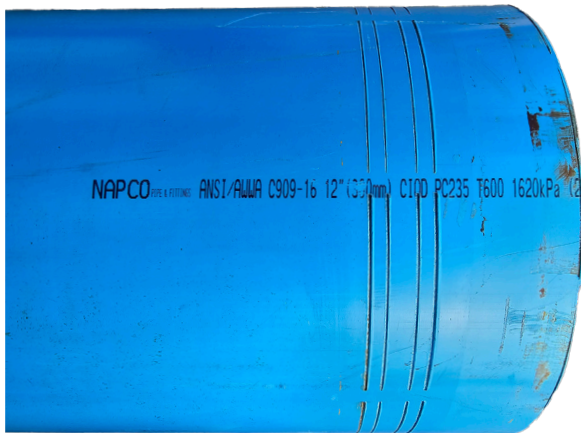
Series 2300

Mechanical Joint Restraint for C909 PVCO Pipe

Patent Pending



Series 2312 on 12-inch C909 PVCO Pipe at a Ductile Iron Fitting.



Series 2312 superior, near 360° wedge impressions on C909 PVCO Pipe.

Features and Applications:

- For use on AWWA C909 PVCO Pipe, IPS-PVCO Pipe, and AWWA C900 Pipe 6-inch through 12-inch
- Superior MEGALUG® Wedge-Action Design:
 - Wider & deeper individual wedges provide nearly 360° circumferential grip on the O.D. of the pipe
 - Larger footprint of wedge design contains pipe wall deflection and imparts no point loading
 - Multiple teeth impressions per wedge provides outstanding gripping performance
- Proven MEGALUG ease of installation:
 - Use of torque limiting twist-off nuts
- Meets the maximum pressure rating of the pipe:
 - Minimum 2 to 1 safety factory
- Constructed of ASTM A536 ductile iron
- **MEGA-BOND®** Restraint Coating System
For more information regarding MEGA-BOND, refer to www.ebaa.com

For use on water and wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774.

Pressure Ratings(PSI)

Nominal Pipe Size	Series Number	C900		C909
		DR14	DR18	PC 235
6	2306	305	235	235
8	2308	305	235	235
10	2310	305	235	235
12	2312	305	235	235
For applications or pressures other than those shown, please contact EBAA for assistance.				

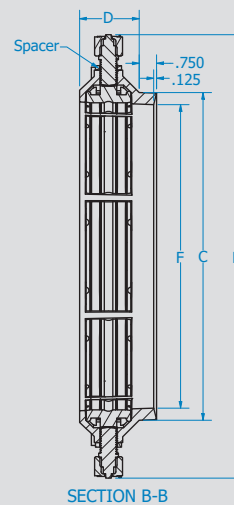
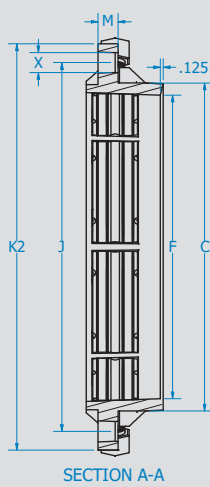
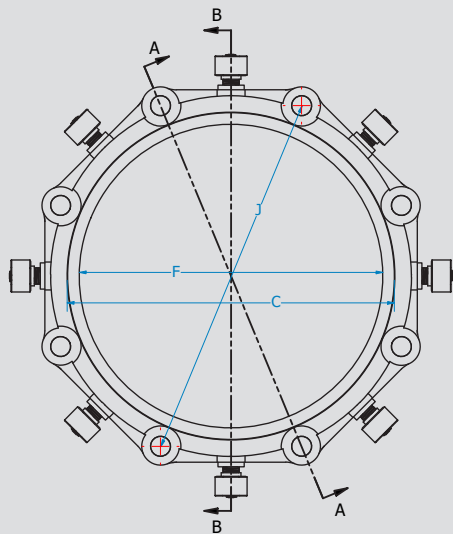


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Series 2300 Submittal Reference Drawing

EBAA IRON

MADE IN USA

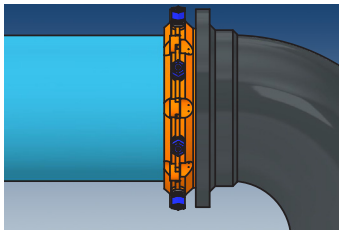
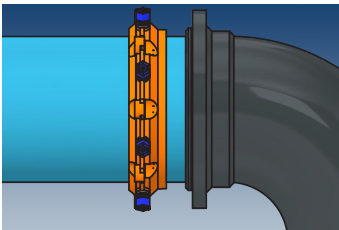
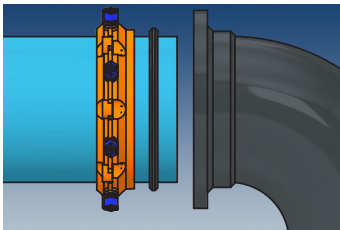


Submittal Reference Drawing Dimensions

Nominal Pipe Size	Series Number	C	D	F	M	P	X	J	K2	Wedge Qty	Bolt (QTY.-Size)	Weight (lbs.)
6	2306	8.02	2.06	7.00	0.43	13.50	7/8	9.50	11.13	6	6- 3/4 x 3.5	14.7
8	2308	10.17	2.07	9.15	0.65	15.53	7/8	11.75	13.38	6	6- 3/4 x 4.0	18.7
10	2310	12.22	2.56	11.20	0.89	17.43	7/8	14.00	15.70	8	8- 3/4 x 4.0	27.5
12	2312	14.32	2.62	13.30	0.89	19.53	7/8	16.25	17.88	8	8- 3/4 x 4.5	34.8

Installation Instructions

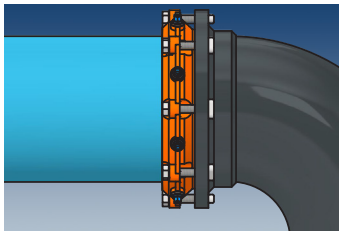
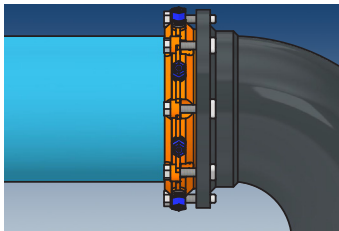
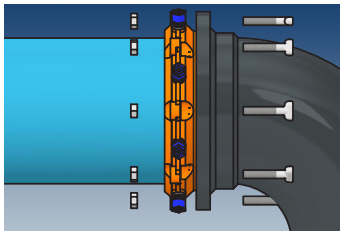
NOTE: Dimensions are in inches and are subject to change without notice.



1. Identify the pipe. The 2300 is for use with PVC/C909 and C900 pipe. The 6-inch through 12-inch size may be used on C900, C909 or ASTM 2241 IPS PVC pipe. Check to see if the spacers under the screws are in place. If the pipe is C900, C909, or is ductile iron O.D., proceed with spacers in place. If the pipe is IPS O.D., remove the spacers.

2. Clean the socket and the plain end. Lubrication and additional cleaning should be provided by brushing both the gasket and the plain end with soapy water or an approved pipe lubrication meeting the requirement of ANSI/AWWA C111/A21.11 just prior to slipping the gasket onto the plain end for joint assembly. Place the gland on the plain end with lip extension toward the plain end, followed by the gasket with the narrow edge of the gasket toward the plain end. [The gasket provided may be the EBAA-SEAL® Improved Mechanical Joint Gasket, there is no narrow end as the gasket is bi-directional.
NOTE: In cold weather it is preferable to warm the gasket to facilitate assembly of the joint.
3. Insert the pipe into the socket and press the gasket firmly and evenly into the gasket recess. Keep the joint straight during assembly.

4. Push the gland toward the socket and center it around the pipe with the gland lip against the gasket. Insert bolts and hand tighten nuts. Make deflection after joint assembly but before tightening bolts.



5. Tighten the bolts to the normal range of torque as indicated: 6 through 12-inch 75-90 ft-lbs. While at all times maintaining approximately the same distance between the gland and the face of the flange at all points around the socket. This can be accomplished by partially tightening the bottom bolt first, then top bolt, next the bolts at either side, finally the remaining bolts. Repeat the process until all bolts are within the appropriate range of torque.

6. Tighten the torque limiting twist-off nuts in a clockwise direction (direction indicated by arrow on top of nut) until all wedges are in firm contact with the pipe surface. Continue tightening in an alternating manner until all of the nuts have been twisted off.
7. If removal is necessary, utilize the 5/8 inch hex heads provided. If reassembly is required, assemble the joint in the same manner as above; tighten the screws to 60 to 80 ft-lbs. If the Series 2300 restraint is removed from the pipe, be sure that all of the screws, spacers (if required), and wedges are in place before the restraint is reassembled.
- Steps 2-5 are requirements of AWWA Standard C600-17