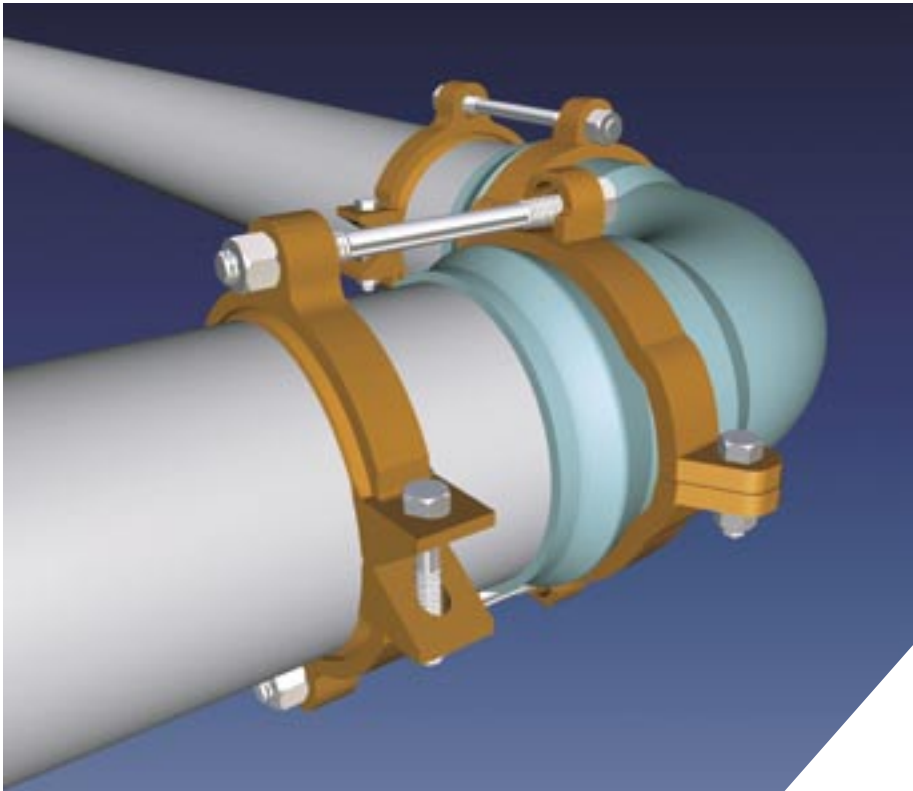




Your Connection to the Future

SERIES 2500

Restraint for C900
PVC Pipe at PVC Fittings
4" through 12"



Features and Application:

- For use on AWWA C900 PVC pipe when restraining to molded or fabricated PVC fittings.
- Minimum 3 to 1 Safety Factor.
- Split design for ease of installation.
- Constructed of ASTM A536, 65-45-12 Ductile Iron.
- For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774.



Nominal Pipe Size	Series Number	Approximate Shipping Weight	Pressure Ratings (C900)		
			DR 14 Class 200	DR 18 Class 150	DR 25 Class 100
4	2504	13.9	200	150	100
6	2506	20.5	200	150	100
8	2508	27.3	200	150	100
10	2510	43.8	200	150	100
12	2512	53.6	200	150	100

Note: For applications or pressures other than those shown, please contact EBAA for assistance.

Sample Specification

Restraint for PVC pipe (AWWA C900) at PVC fittings shall consist of the following: The restraint shall be manufactured of ductile iron conforming to ASTM A536. A split ring shall be utilized on the PVC fitting bell. A serrated ring shall be used to grip the pipe and a sufficient number of bolts shall be used to connect the bell ring and the gripping ring. The combination shall have a minimum working pressure rating equivalent to the pipe. The restraint shall be the Series 2500 as manufactured by EBAA Iron, Inc. or approved equal.



Series 2500 Submittal Reference Drawing

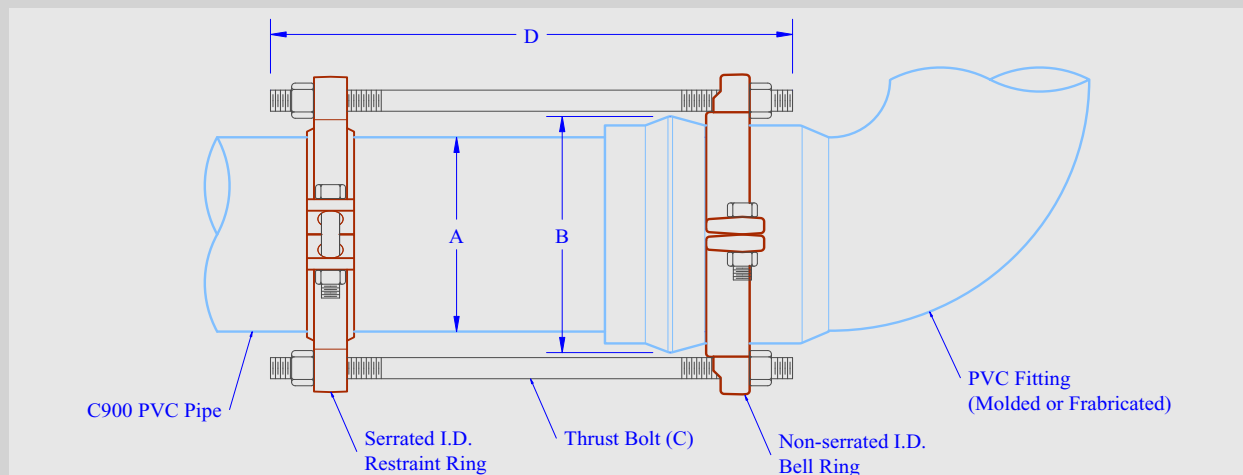
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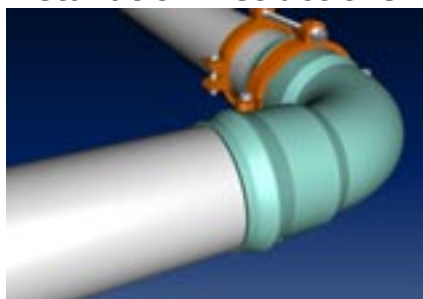
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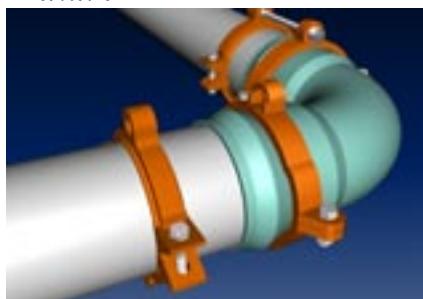
Nominal Pipe Size	Series Number	A Pipe O.D.	B Maximum Bell O.D. Cleared	C Thrust Bolt (Number - Size)	D Over All Length
4	2504	4.80	6.75	2 - ¾ x 13	13
6	2506	6.90	8.75	2 - ¾ x 18	18
8	2508	9.05	12.25	2 - ¾ x 18	18
10	2510	11.10	14.20	4 - ¾ x 18	18
12	2512	13.20	16.90	4 - ¾ x 18	18

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

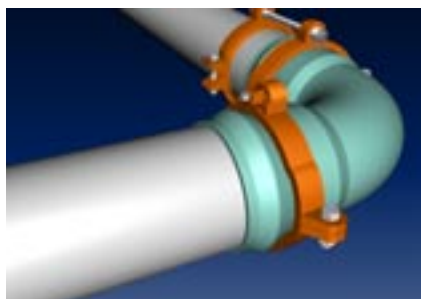
Installation Instructions



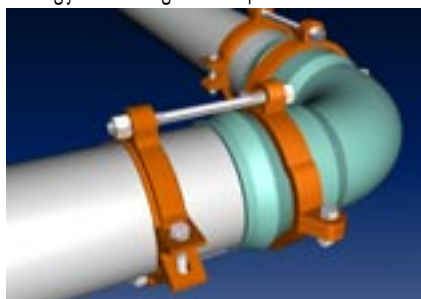
1. The Series 2500 is designed for restraining AWWA C900 PVC pipe to molded or fabricated fittings. It has a split, serrated restraint ring on the spigot and a split non-serrated ring on the fitting.
2. Assemble the fitting per the fitting manufacturer's instructions.



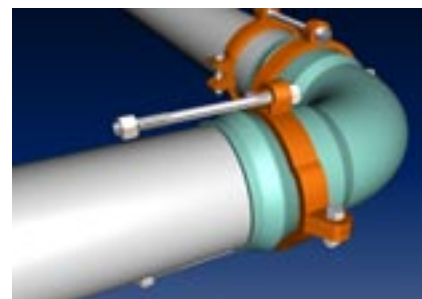
6. Install both halves of the restraint ring at the proper location, tapping each half into place. Make sure that the complete ID of the ring is touching the pipe before installing the side bolts. Tighten the side bolts evenly to 110 ft-lbs torque. (60 ft-lbs on 4" and 6")



3. Install both halves of the split non-serrated bell ring on the fitting behind the gasket hump. Install the side bolts and tighten each to 110 ft-lbs. (60 ft-lbs on 4" and 6")
4. Slide the bell ring toward the gasket hump so that it fits snugly behind the gasket hump.



7. Place nuts on the tie bolts and tighten until they are snug. Allow enough room on the tie bolt to fully engage the nut with several threads showing. Do not tighten these bolts enough to force the spigot further into the bell of the fitting.



5. Remove the side bolts from the serrated restraint ring. Use the tie bolts to determine the proper location of the restraint ring on the spigot. Allow enough room on the tie bolt to fully engage the nuts.



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ebaa@eastland.net

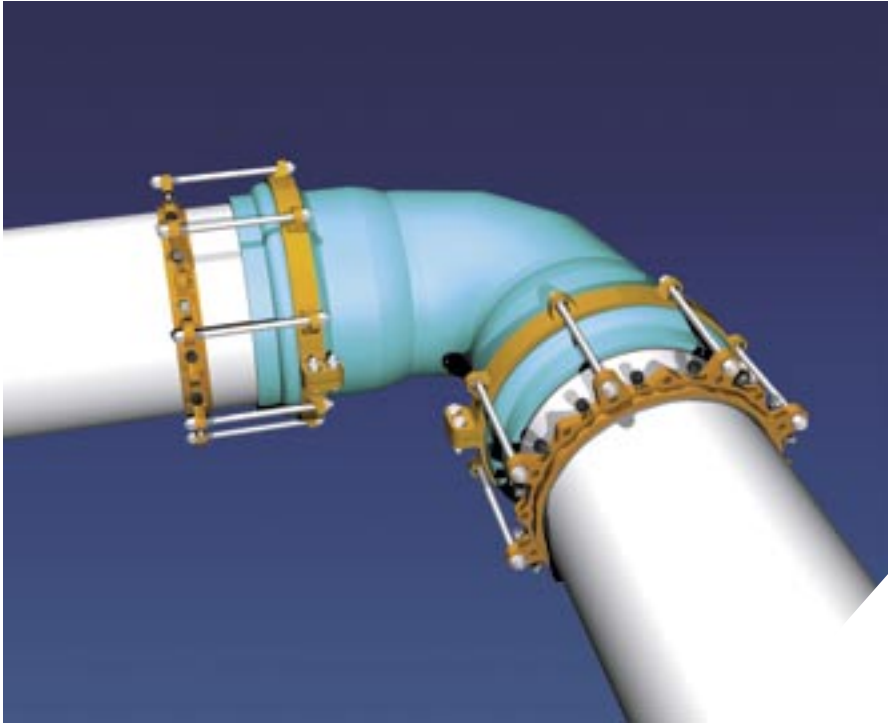
www.ebaa.com



Your Connection to the Future

SERIES 2500

Restraint for C905
PVC Pipe at PVC Fittings
14" through 36"



Features and Application:

- For use on AWWA C905 PVC pipe when restraining to molded or fabricated PVC fittings.
- Minimum 2 to 1 Safety Factor.
- Split design for ease of installation.
- Constructed of ASTM A536, 65-45-12 Ductile Iron.
- For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774.



Nominal Pipe Size	Series Number	Approximate Shipping Weight	Pressure Ratings (C905)	
			DR 18 Class 150	DR 25 Class 100
14	2514	102.7	235	165
16	2516	119.6	235	165
18	2518	129.7	235	165
20	2520	153.5	-	165
24	2524	264.8	-	165
30	2530	364.4	-	125
36	2536	471.0	-	125

Note: For applications or pressures other than those shown, please contact EBAA for assistance.

Sample Specification

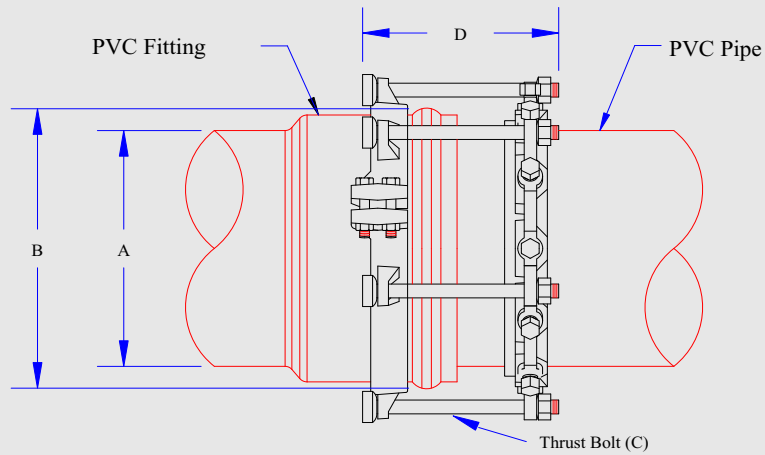
Restraint for PVC pipe (AWWA C905) at PVC fittings shall consist of the following: The restraint shall be manufactured of ductile iron conforming to ASTM A536. A split ring shall be utilized on the PVC fitting bell. A restraint ring, incorporating a plurality of individually-actuating gripping surfaces, shall be used to grip the pipe and a sufficient number of bolts shall be used to connect the bell ring and the gripping ring. The combination shall have a minimum working pressure rating equivalent to the pipe. The restraint shall be the Series 2500 as manufactured by EBAA Iron, Inc. or approved equal.



Series 2500 Submittal Reference Drawing

EBAA
IRON

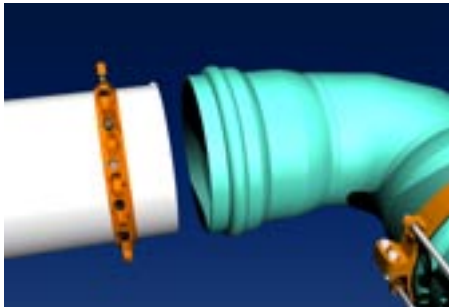
Made
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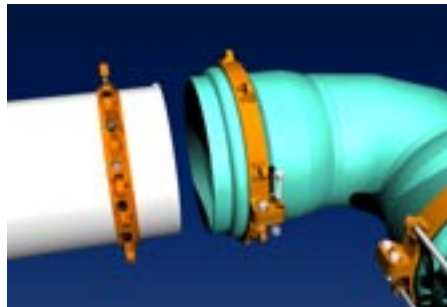
Nominal Pipe Size	Series Number	A Pipe O.D.	B Maximum Bell O.D. Cleared	C Thrust Bolt (Number - Size)	D Over All Length
14	2514	15.30	20.38	5 - 1 x 18	18
16	2516	17.40	22.75	6 - 1 x 18	18
18	2518	19.50	24.88	6 - 1 x 18	18
20	2520	21.60	27.13	7 - 1 x 18	18
24	2524	25.80	32.13	8 - 1¼ x 28	28
30	2530	32.00	39.25	10 - 1¼ x 28	28
36	2536	38.30	46.13	12 - 1¼ x 28	28

Installation Instructions

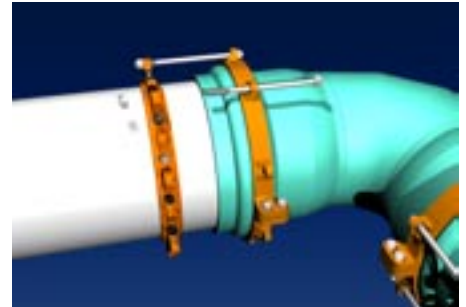
Note: Dimensions are in inches and are subject to change without notice.



1. Slide the spigot restraint onto the end of the pipe with the lip facing the end of the pipe. **Do not** tighten the restraint wedges at this time.

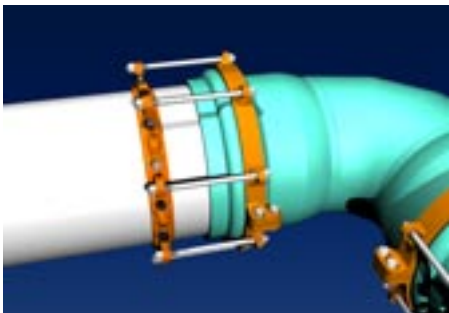


2. Install the backup ring on the fitting bell behind the gasket race as shown. Install the clamp bolts and tighten to 50 ft.-lbs. Keeping an equal gap on both sides.



3. Assemble the joint according to the manufacturers instructions.

4. Install the thrust bolts. Thread a nut onto each bolt until there are several threads showing.



5. Pull the restraint ring away from the joint until the slack is removed from the thrust bolts. Hand tighten the actuating screws on the restraint ring until all wedges are touching the pipe. Continue tightening the screws in an alternating manner until the torque limiting heads twist off. Tighten thrust bolts until evenly snug being careful **not** to pull the spigot further into the bell.



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