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SERIES 2800

Bell Restraint Harness for C905 Pipe

U.S. Patent Nos 4,627,774 5,071,175

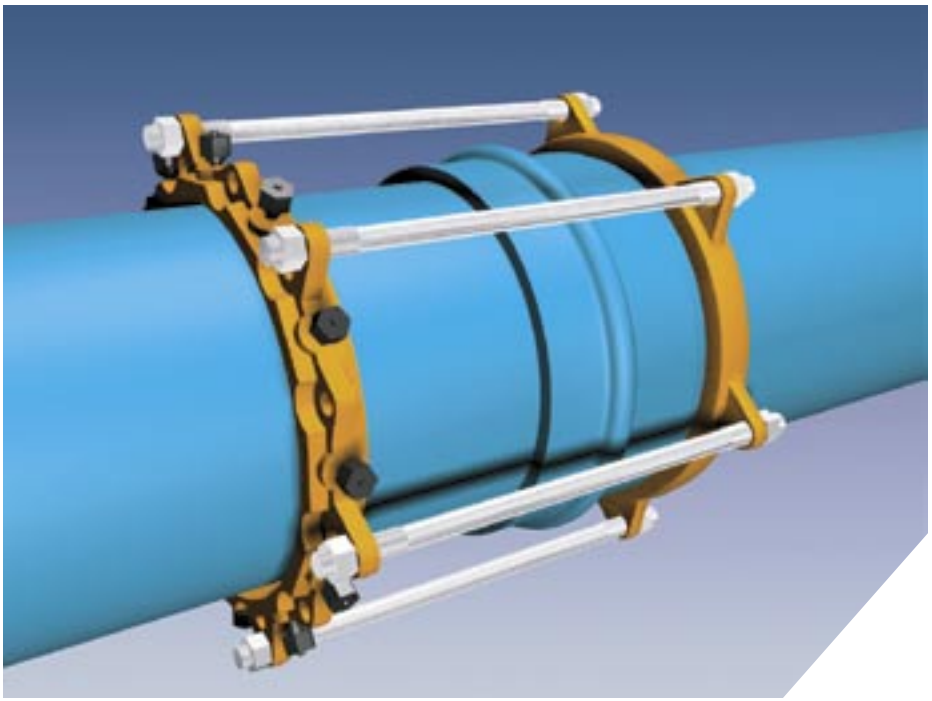
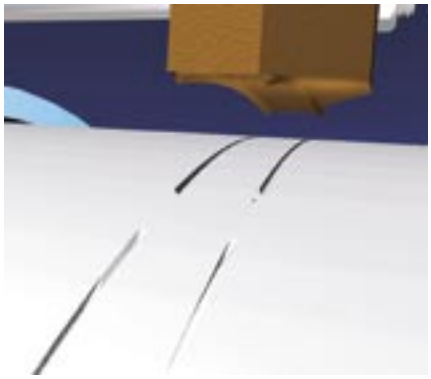


Image depicts Series 2816 on 16" PVC Pipe

Features and Application:

- For use on AWWA C900 PVC pipe when restraining PVC pipe bells.
- Minimum 2 to 1 Safety Factor.
- Actuating gripping wedge design for dynamic axial restraint.
- 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 (PSI) DR 18 Class 235	DR 25 Class 165	DR 32.5 Class 125
14	2814	125.0	235	·	·
16	2816	146.7	235	·	·
18	2818	158.8	·	165	·
20	2820	163.8	·	165	·
24	2824	258.2	·	165	·
30	2830	359.0	·	165	·
36	2836	457.0	·	·	125

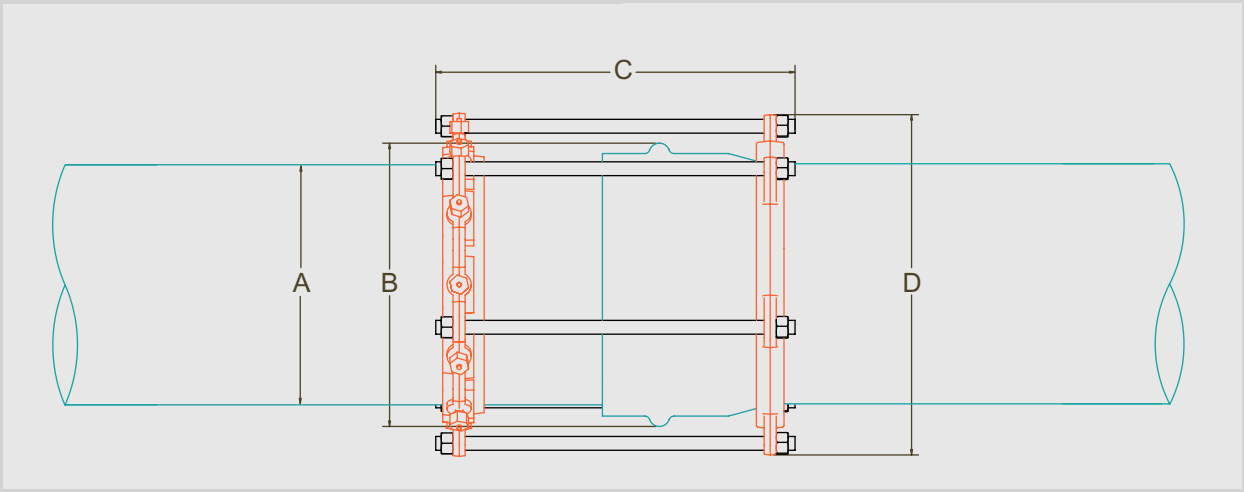
Note: For applications or pressures other than those shown, please contact EBAA for assistance.

Sample Specification

Restraint for PVC pipe (AWWA C905) at the bell shall consist of the following: The restraint shall be manufactured of ductile iron conforming to ASTM A536. A ring shall be utilized on the PVC 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 gripping ring. The combination shall have a minimum working pressure rating equivalent to the pipe. The restraint shall be the Series 2800 as manufactured by EBAA Iron, Inc. or approved equal.

Series 2800 Submittal Reference Drawing

EBAA IRON

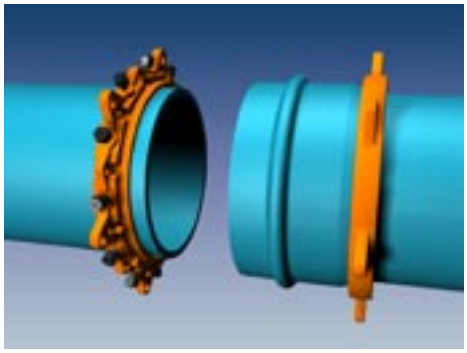


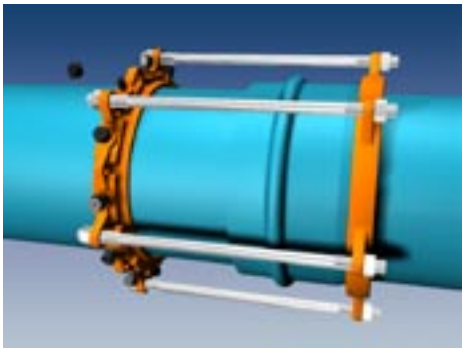
Made in USA

Nominal Pipe Size	Series Number	A Pipe O.D.	B Maximum Bell O.D. Cleared	C Thrust Bolt (Number - Size)	D Max. Restraint O.D. (Casing Clearance)
14	2814	15.30	21.38	5 - 1 x 26	23.26
16	2816	17.40	23.63	6 - 1 x 26	25.51
18	2818	19.50	25.88	6 - 1 x 26	27.76
20	2820	21.60	28.13	7 - 1 x 26	30.01
24	2814	25.80	32.88	8 - 1¼ x 32	35.00
30	2830	32.00	40.50	10 - 1¼ x 32	42.88
36	2836	38.30	47.38	12 - 1¼ x 36	49.76

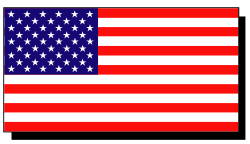
Note: Dimensions are in inches and are subject to change without notice.

Installation Instructions





1. Slide the Series 2800 Bell Ring along the length of the PVC pipe to fit snugly behind the bell. Slide the Series 2800 Restraint Ring on the spigot end of the second pipe with the lip of the Series 2800 Restraint Ring facing the spigot end of the PVC pipe.
2. Assemble the pipe joint per the pipe manufacturers instructions.
3. Insert all of the connecting rods through the bolt holes provided and thread the nut on each end of the rods. Do not tighten these at this time.
4. Hand tighten the actuating screws until all wedges are touching the pipe. Continue tightening the screws in an alternating manner until the torque limiting heads twist off.
5. Snug all of the nuts on the connecting rods. Making sure that the Series 2800 Bell Ring bears evenly against the back side of the pipe bell. Do not over tighten the connecting rods as to move the spigot end further into the bell.



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EBAA IRON Sales, Inc.
P.O. Box 857, Eastland, TX 76448
Tel: (254) 629-1737
Fax: (254) 629-8931
(800) 433-1716 within US and Canada
ebaa@eastland.net
www.ebaa.com

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