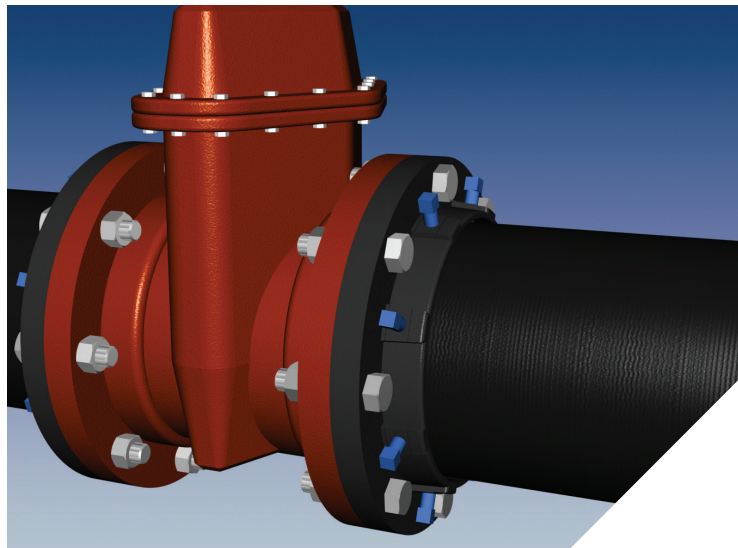




Series 1008 E-Z Flange on 8 inch DIP, adapting to a flanged gate valve.

Features and Applications:

- Adapts a plain end of ductile iron or steel pipe to a fitting, valve, or other appurtenances equipped with flanges meeting ANSI/AWWA C110
- When used on Ductile Iron Pipe at flanged joints, sizes 3 inch through 12 inch, use the E-Z Flange Gasket supplied.
- When used on Steel Pipe at flanged joints, sizes 3 inch through 12 inch, a transition gasket is required.
- Minimum 2 to 1 Safety Factor
- MEGA-BOND® Restraint Coating System
- Set Screw Design
- Constructed of ASTM A536 Ductile Iron
- This product is Listed to applicable UL Standards and requirements by Underwriters Laboratories Inc.
- Sizes 3 inch through 12 inch
- Available with Accessory Packages

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

EBAA Iron products are not designed, intended, or approved for use with compressed air or any gas service. All entrapped air must be completely removed from the pipeline prior to pressurization, testing, or placing the line into service. Failure to eliminate air pockets may result in improper product performance or hazardous conditions.

Sample Specification

Flange adapters shall be used in lieu of threaded or welded flanges on plain end ductile and carbon steel pipe. The restraints shall be manufactured of ductile iron conforming to ASTM A536. The restraint devices shall be coated using MEGA-BOND®. (For complete specifications on MEGA-BOND visit www.ebaa.com.) The bolt circles and bolt holes shall conform to ANSI/AWWA C110/A21.10. The screws shall have a Rockwell hardness of C40-45 converted from Brinnell. The flange adapter shall have a minimum working pressure rating as shown in the adjacent table. The restraint shall be the Series 1000 E-Z Flange, as manufactured by EBAA Iron, Inc., or approved equal.

All EBAA restraint products intended for installation on ductile iron pipe are designed for and limited to use on ductile iron pipes that comply with the requirements of ANSI/AWWA C151/A21.51 and have a Brinell Hardness or equivalent measurement value that does not exceed 230BHN. These requirements apply to the entire pipe wall profile at all restraining wedge engagement points and to the full penetration depth of each restraining wedge.

Pressure Ratings Table

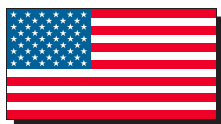
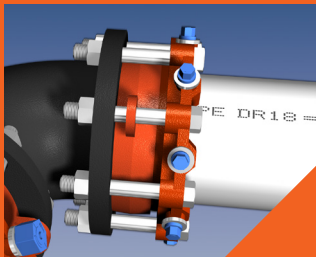
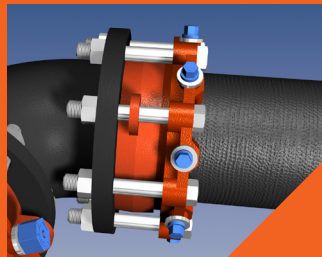
Nominal Pipe Size	Series Number	Approximate Weight	Pressure (PSI)
3	1003	4.00	250
4	1004	6.30	250
6	1006	8.80	250
8	1008	12.99	250
10	1010	23.10	200
12	1012	29.50	200

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

For Higher Pressures and or Larger Size Applications

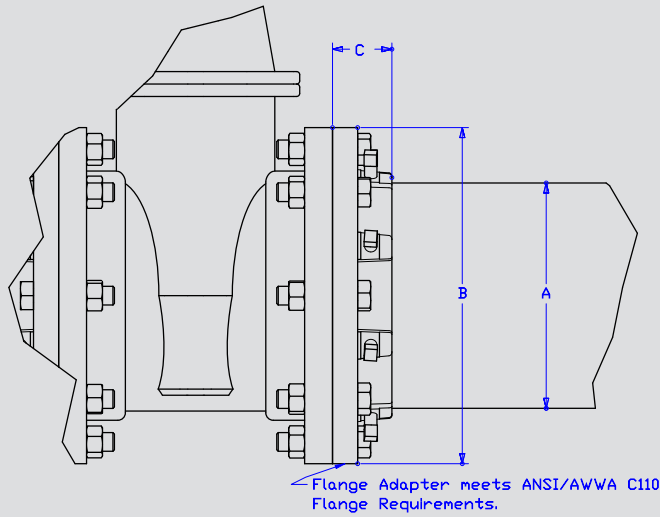
Series 2100 MEGAFLANGE® Restrained Flange Adapter

Available in sizes 3 inch through 48 inch for Ductile Iron and PVC Pipe and sizes 3 inch through 12 inch for Steel and HDPE Pipe



Submittal Reference Drawing

EBAA IRON

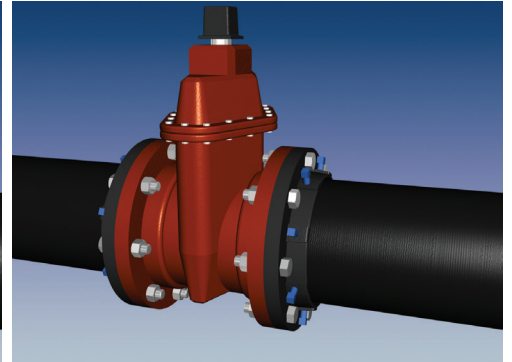
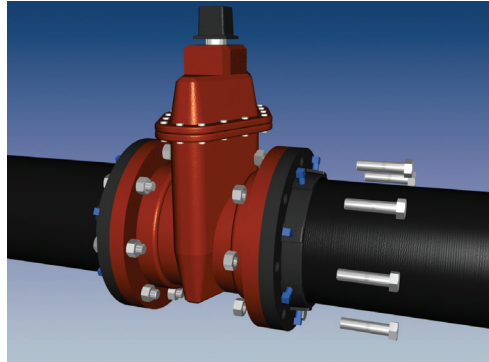
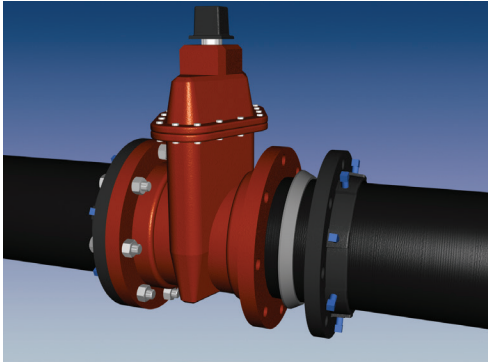


MADE IN USA

Nominal Pipe Size	Series Number	A Pipe O.D.	B Flange O.D.	C Flanged Adapter Length
3	1003	3.96	7.50	2.14
4	1004	4.80	9.00	2.33
6	1006	6.90	11.00	2.39
8	1008	9.05	13.50	2.76
10	1010	11.10	16.00	2.83
12	1012	13.20	19.00	2.89

NOTE: Dimensions are in inches $\pm$ 1% and are subject to change without notice.

Installation Instructions



1. The Series 1000 E-Z Flange is designed for joining plain end ductile iron pipe, conforming to ANSI/AWWA C151/A21.51 (class 50-56 thickness) to standard AWWA C110 (class 150 dimensions) flanges.
2. The pipe ends must be cut smooth and square. (The E-Z Flange adapter should not be used on beveled end of the pipe.) All surfaces must be cleaned. Back the set screws out of the flange to clear the pipe and slide onto the pipe. Install E-Z Flange gasket on the pipe with the bevel of the gasket facing the E-Z Flange.
3. Position the pipe end square against the adjacent flange. Slide the gasket and E-Z Flange toward the adjacent flange.
4. Install and hand tighten the flange bolts keeping an equal gap around the flange.
5. Tighten the flange bolts evenly to the proper range of torque. (45-60 ft-lbs for 3 inch and 4 inch and 75-90 ft-lbs for 6 inch through 12 inch)
6. Tighten the set screws in a Alternating Manner until all are in firm contact with the pipe surface. After all set screws are in firm contact with the pipe, continue tightening in an alternating manner until all are tightened to the proper range of torque. (45 ft-lbs for 3 inch through 6 inch and 70 ft-lbs for 8 inch through 12 inch.)

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