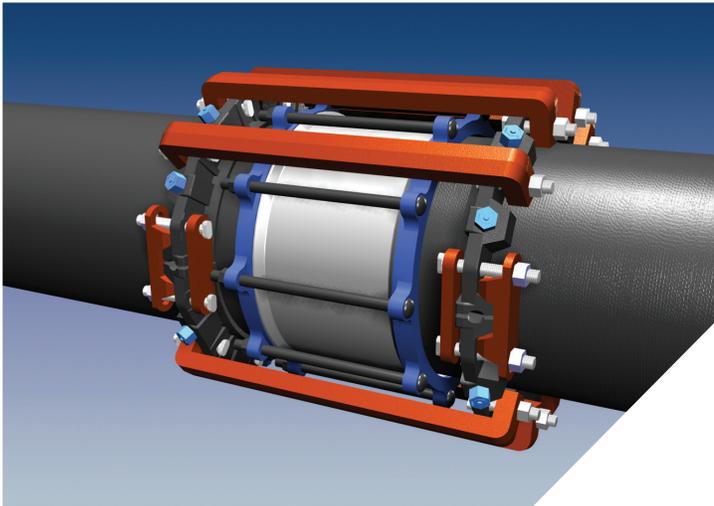


# MEGALUG®

## Series 1100CH

Split Restraint Harness for Couplings



Series 1116CH on 16 inch ductile iron pipe.

Nominal Pipe Size	Series Number	Shipping Weight
14	1114CH	266.30
16	1116CH	327.10
18	1118CH	340.60
20	1120CH	404.00
24	1124CH	573.20
30	1130CH	1,190.52
36	1136CH	1,458.72

NOTE: Dimensions are in inches (± 1%) and are subject to change without notice.

### Sample Specifications

Restraint for existing or new unrestrained couplings on ductile iron pipes shall consist of the following: The restraints shall be manufactured of ductile iron conforming to ASTM A536. The split restraint rings, incorporating a plurality of individually-actuated gripping wedges, shall be used to grip the pipe on either side of the bell, and a sufficient number of ductile iron rods shall be used to connect each restraint to one another. The restraint devices shall be coated using MEGA-BOND. (For complete specifications on MEGA-BOND visit [www.ebaa.com](http://www.ebaa.com).) The combination shall have a minimum working pressure rating as shown in current Product Brochure. The restraint shall be the Series 1100CH, 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.

### Features and Applications:

- Restrains existing or new couplings on Ductile Iron Pipe (over-sized restraints available for Pit Cast Iron Pipe)
- The split MEGALUG restraints and 'offset' tie bars are made of ductile iron conforming to ASTM A536
- Sizes 14 inch through 36 inch
- Split design for ease of installation
- **MEGA-BOND®** Restraint Coating System  
For more information regarding MEGA-BOND refer to [www.ebaa.com](http://www.ebaa.com)
- Constructed of ASTM A536 Ductile Iron
- For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774

### EBAA IRON Sales, Inc.

P.O. Box 857, Eastland, TX 76448

Tel: (254) 629-1731

Fax: (254) 629-8931

(800) 433-1716 within US and Canada

[contact@ebaa.com](mailto:contact@ebaa.com)

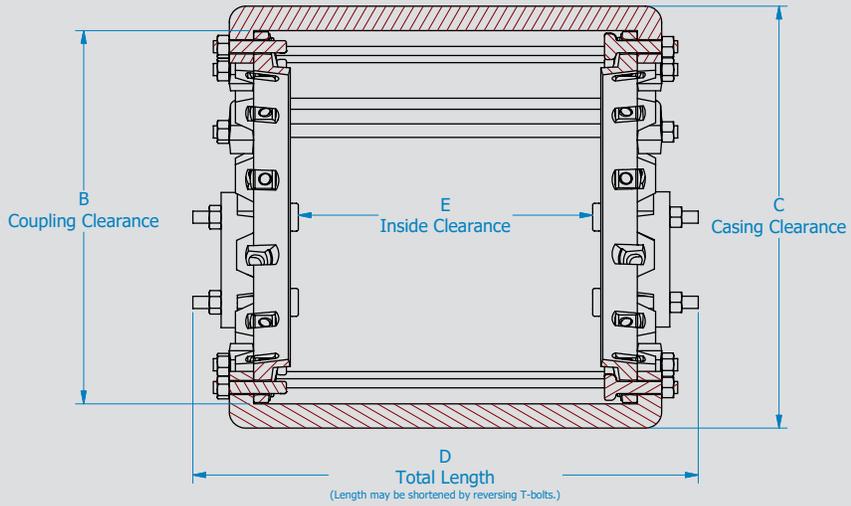
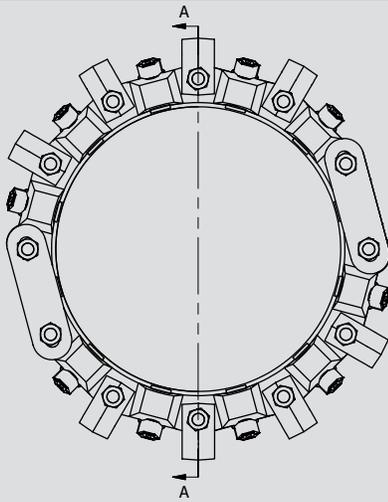
[www.ebaa.com](http://www.ebaa.com)



# Series 1100CH 14 - 24 inch Submittal Reference Drawing

EBAA IRON

MADE IN USA



SECTION A-A  
SCALE 1 / 4

## Submittal Reference Drawing Dimensions (in.)

Nominal Pipe Size	Series Number	Pipe O.D.	B	C	D	E	Pressure PSI	Number Tie Bars
14	1114CH	15.30	20.25	23.75	29.50	18.00	300	6
16	1116CH	17.40	22.50	26.00	29.50	18.00	300	8
18	1118CH	19.50	24.75	28.25	29.50	18.00	200	8
20	1120CH	21.60	27.00	30.20	29.50	18.00	200	10
24	1124CH	25.80	31.50	35.00	29.50	18.00	200	12
30	1130CH	32.00	39.12	42.88	44.10	34.50	200	16
36	1136CH	38.30	46.00	49.75	44.10	34.50	200	20

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

## Installation Instructions

1. The Series 1100CH is for use on ductile iron pipe to harness and prevent axial separation at an unrestrained coupling or oversized bell and spigot joint.
2. If joint is not already assembled, assemble joint per pipe or coupling manufacturer's directions.
3. Disassemble one of the restraint rings. Reassemble the halves onto one side of the pipe first using the clamp and backup plates provided. Make sure the lip of the restraint is facing the joint or coupling. Tighten the clamp bolts to 60 ft-lbs. At this time do not tighten the actuating gripping wedges.
4. Disassemble the other restraint ring then reassemble the halves onto the spigot side of the pipe using the clamp and backup plates provided. Make sure the lip of the restraint is facing the joint or coupling. Tighten the clamp bolts to 60 ft-lbs. At this time do not tighten the actuating gripping wedges.
5. Line up the clamps so they are directly across from one another and slide the bell restraint snugly against the bell. Using the bolts provided start attaching the tie bars to the restraints. The tie bars should be evenly spaced on the outside of each restraint. Once the tie bars have been installed and tightened to 60 ft-lbs, pull all available slack out of the harness so that the bell restraint still resides against the bell.
6. Hand tighten the actuating screws until all gripping wedges are touching the pipe evenly. Continue to tighten in an alternating manner until the heads twist off signaling proper torque has been achieved.
7. If removal is necessary; use the  $\frac{5}{8}$ " hex heads provided. If reinstallation is necessary, retorquing of the actuating screws can be done with a torque wrench and a  $\frac{5}{8}$ -inch socket. Torque values are 90 ft-lbs (135 ft-lbs for 1124CH through 1136CH).