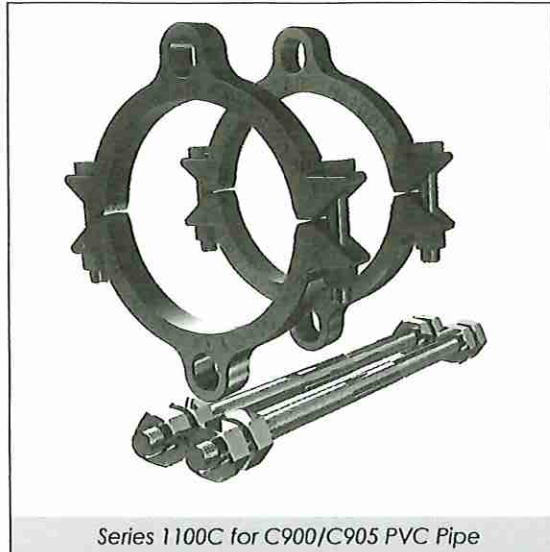




Pipe Restrainers series 1100

1100C Bell Restrainers for AWWA C900/C905 PVC Pipe
and 1100S Bell Joint for IPS PVC Pipe



Series 1100C for C900/C905 PVC Pipe

INFORMATION

PVC Restrainers for restraining pipe and PVC pipe bell joints. These restraints work in any type of soil for a guaranteed joint restraint with the full rated pressure of the PVC pipe on which it is installed.

PVC restrainers can be installed on new or existing systems, totally eliminating the use of thrust blocks. These restrainers have internal serrations that lock onto the pipe and give 360° contact and support the pipe wall. Restraint devices may be used with any type of PVC piping system.

Can be Installed on New or Existing Systems

FEATURES & ADVANTAGES

- 360° Contact, No Pipe Distortion or Point Loading
- Made of Ductile Iron - ASTM Grade 536, Grade 65-45-12
- Restrainers work with Push-On Pipe Bells.
- All Restrainers are Machined to Exact Tolerances.
- Rated at the Full Rated Pressure of Any Class of PVC Pipe with a 2:1 Safety Factor
- Can Be Installed Outside the Trench, to Ease Installation
- T-Bolts/Rods/Hex Nuts: Low Alloy Steel Per ANSI/AWWA C111/A21.11
- Clamping Bolts: SAE J429 Grade 5
- Series 1100C is approved by Factory Mutual Research in sizes 4"-10" for use on DR18, C900 PVC pipe.
- Available in sizes 4"-48"
- Standard color is Graphite Black (RAL 9011).
- Casting halves for IPS PVC pipe color is Moss Green (RAL 6005).



1100C on pipe bell

SAMPLE SPECIFICATIONS

PVC restraint devices shall be manufactured of high strength ductile iron in accordance to ASTM A536 Grade 65-45-12 for all sizes. Internal serrations will be machined to provide exact tolerances to provide 360° contact and support of the pipe wall. PVC Restraint devices shall have a pressure rating of 2:1 (i.e. twice the pressure rating of the PVC pipe on which it is used). Serrated Rings shall be used to grip the pipe and be capable of being installed bidirectional.

REV.07



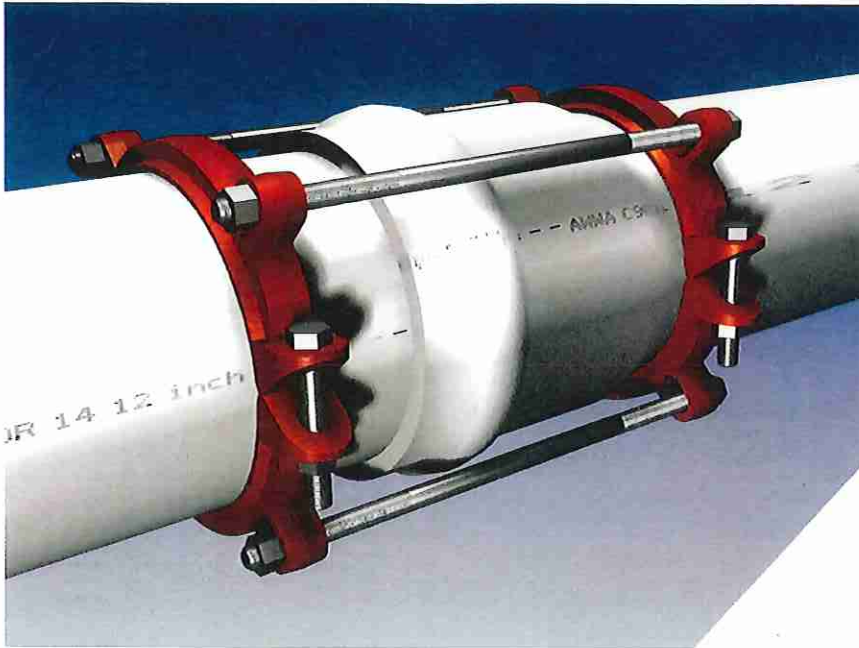
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STAR® PIPE PRODUCTS

Series 1500

Bell Restraint Harness for C900 PVC Pipe



Series 1512 on 12 inch PVC Pipe.

Features and Applications:

- For use on AWWA C900 PVC pipe bells
- Minimum 3 to 1 Safety Factor
- **MEGA-BOND®** Restraint Coating System
For more information regarding MEGA-BOND refer to www.ebaa.com
- Split design for ease of installation
- Constructed of ASTM A536 ductile iron
- Available in accessory packages
- For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774

Pressure Ratings (C900)

Nominal Pipe Size	Series Number	Approximate Shipping Weight	DR 14 Class 200	DR 18 Class 150	DR 25 Class 100
4	1504	15.0	200	150	100
6	1506	22.0	200	150	100
8	1508	28.0	200	150	100
10	1510	51.8	200	150	100
12	1512	56.2	200	150	100

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

Sample Specification

Restraint for PVC pipe bell (AWWA C900) shall consist of the following: The restraint shall be manufactured of ductile iron conforming to ASTM A536. The restraint devices shall be coated with MEGA-BOND. (For complete specifications on MEGA-BOND visit www.ebaa.com.) A split serrated ring shall be used behind the pipe bell. A split serrated ring shall also 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 pressure rating as shown in the adjacent table. The restraint shall be the Series 1500, as manufactured by EBAA Iron, Inc., or approved equal.

Packaged Items.

