

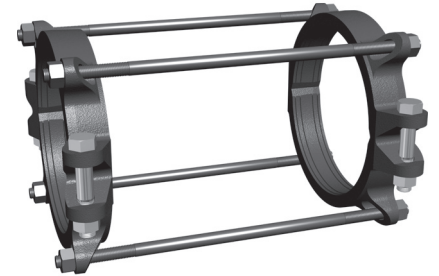


# Series 190800G

Restraint Harness for C900 or C909 PVC Pipe  
4 inch through 12 inch

## Installation Instructions

1. The Series 1900 is designed for restraining push-on PVC pipe bells. It has a split, serrated restraint ring on the spigot and a split serrated ring behind the bell.
2. Assemble the push-on joint per the pipe manufacturer's instructions.
3. Install both halves of the serrated ring around the pipe behind the bell, tapping each half into place. Make sure that the complete ID of the ring is touching the pipe before installing the side bolts. Install the side bolts and tighten evenly to 120 ft-lbs. of torque. (70 ft-lbs on 4 inch and 6 inch)
4. Remove the side bolts from the second serrated restraint ring. Use the Thrust Bolts to determine the proper location of the restraint ring on the spigot. Allow enough room on the thrust bolt to fully engage the nuts.
5. 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 120 ft-lbs. (70 ft-lbs on 4" and 6")
6. Place nuts on the thrust bolts and hand tighten until they are snug. Allow enough room on the thrust bolts to fully engage the nuts. Do not tighten these bolts enough to force the spigot further into the bell of the joint.



## CONTENTS

Qty.	Description
2	8 in. 1900 Restraint Rings
4	3/4 in. by 18 in. Galvanized Thrust Rods w/ Nuts

**Restraints Made in The USA**

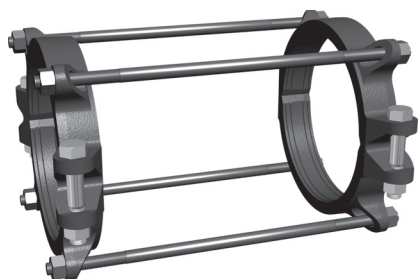


For use on water or wastewater pipelines subject to hydrostatic pressure and tested in accordance with either AWWA C600 or ASTM D2774

APPROXIMATE SHIPPING WEIGHT: 37.24 lbs.

0814-G

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## EBAA IRON SALES, Inc.

P.O. Box 857, Eastland, TX 76448

Tel: (254) 629-1731

Fax: (254) 629-8931

Toll: (800) 433-1716

contact@ebaa.com

www.ebaa.com

**Made in the USA**