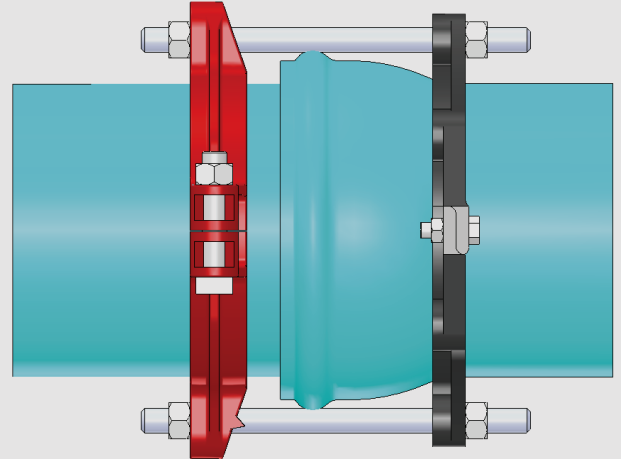
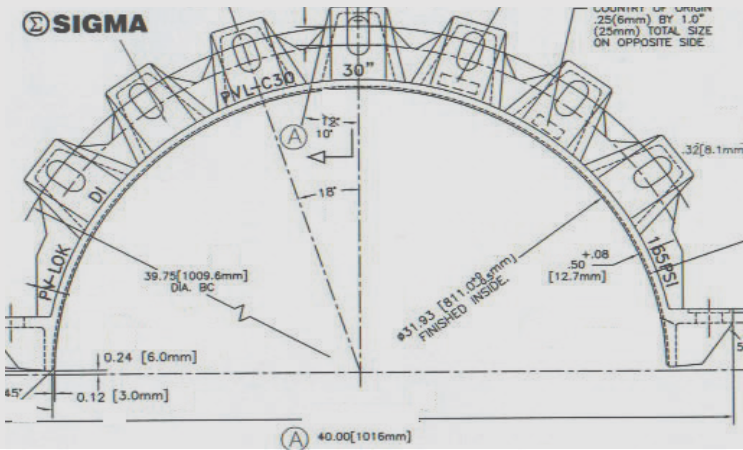
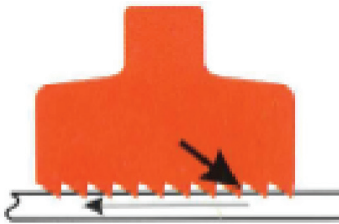


# PV-LOK™ Series PWH for Bell Joint Harness for PVC Pipe



## Features & Advantages

The PV-LOK™ Series PWH is a restrained joint harness assembly for either new or existing AWWA C-900 PVC push-on pipe bells. A split PV-LOK serration-style clamping ring is used to secure the PVC pipe spigot and connects with all-thread restraining rods and nuts to a two-piece back-up ring that seats against the PVC pipe bell. Model PWH allows for easy assembly since the back-up ring can be rotated to provide easy and proper alignment of the restraining rods to the serrated ring on the pipe spigot. The PWH restrainer set is ideal for either new installations or upgrades and tie-ins to existing PVC pipe systems as the two-piece serrated clamping ring and back-up ring provide today's restrained joint technology to pipelines that were not properly restrained during their initial installation.



Cross Section of PV-LOK illustrates directional grip of serrations to maximize restraint of PVC pipe

## Sample Specification:

New or existing PVC push-on pipe bell joints shall be restrained using a split serration-style clamping ring on the PVC pipe spigot and connected to a two-piece back-up ring located against the pipe bell using all-thread restraining rods and nuts. The split clamping ring for pipe spigot assembly must be machine-serrated and not "as cast". The pressure rating capacity of the restraining harness must be equal to the water working pressure rating of the PVC pipe joints upon which they are installed. Restrained joint harness assembly shall be SIGMA Corporation Model PWH or approved equal.

## Material:

- The serrated clamping ring and two-piece back-up ring shall be manufactured of high strength ductile iron in accordance with ASTM A536, Grade 65-45-12.
- Clamping bolt and nut.
- Restraining all-thread rods and nuts shall be manufactured of high strength, low alloy steel in accordance with AWWA/ANSI A.21.11/C111.



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## Dimensions in Inches, Weights in Pounds

Size	Item #	Pressure Rating	No. Rods	Rod Length	Rod Diameter	Minimum Rod Clearance	Weight
4	PWH-C4	235	2	17	3/4	6.75	15
6	PWH-C6	235	2	17	3/4	8.75	23
8	PWH-C8	235	2	17	3/4	11.00	32
10	PWH-C10	235	4	24	3/4	13.25	49
12	PWH-C12	235	4	24	3/4	15.50	55

*PV-LOK Products are rated with a working pressure equal to that of the PVC pipe to which they are applied.*

*\*When calculating clearance for pipe in a casing, add a minimum of 1-1/2" to the "B" dimension above.*

## INSTALLATION INSTRUCTIONS:

1. Insert plain-end PVC pipe spigot into the PVC pipe bell according to pipe manufacturer's recommendations.
2. Assemble the PV-LOK serrated clamping ring on the pipe spigot (approximately 2 inches behind the insertion mark on the pipe), making sure the protrusions on the restraining ears face towards the pipe bell. Tighten the side clamping bolts evenly to the recommended torque.
3. Assemble the two-piece back-up ring immediately behind the PVC pipe bell and insert the all-thread restraining rods from the back-up ring to the serrated restraining ears. Hand-tighten the restraining nuts and snug with a wrench. Do not over-tighten to prevent over-insertion of the PVC pipe joint.