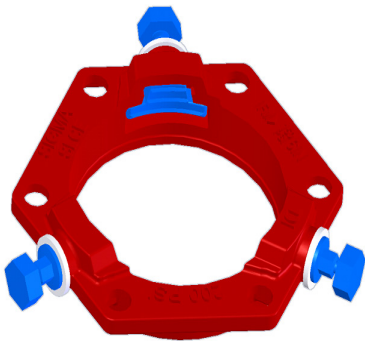
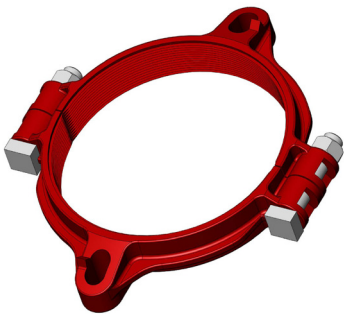


ONE-LOK™ and PV-LOK™ Series Pipe Restraint for AWWA C909 PVC Pipe



- Use the SIGMA ONE-LOK Series SLCE or PV-LOK Series PWM for restraint of AWWA C909 pipe at mechanical or push-on joint ductile iron fittings.



- Use the SIGMA PV-LOK Series PWP for restraint of AWWA C909 pipe at pipe bell and spigot joints.

The ONE-LOK™ and PV-LOK™ Pipe Restraint Systems may successfully be used for the restraint of Molecular Oriented PVC Pipes manufactured in accordance with AWWA C909. Rated pressure of the restraint is limited to the rated pressure of the PVC pipe.

Sample Specification for C909 Restraint:

The ONE-LOK™ and PV-LOK™ Pipe Restraint Systems may successfully be used for the restraint of Molecular Oriented PVC Pipes manufactured in accordance with AWWA C909. Rated pressure of the restraint is limited to the rated pressure of the PVC pipe.

For more detailed information, see the SIGMA ONE-LOK SLCE, PV-LOK Series PWM, and PV-LOK Series PWP brochures.

DIAMETER	ONE-LOK	PV-LOK		PRESSURE RATING	
	SLCE	PWP	PWM	PC150	PC200
4	SLCE4	PWP-C4	PWM-C4	150	200
6	SLCE6	PWP-C6	PWM-C6	150	200
8	SLCE8	PWP-C8	PWM-C8	150	200
10	SLCE10	PWP-C10	PWM-C10	150	200
12	SLCE12	PWP-C12	PWM-C12	150	200

ONE-LOK™ and PV-LOK™ Series Pipe Restraint for AWWA C909 PVC Pipe

Installation Instructions for ONE-LOK™ SLCE on C909 Pipe

1. Clean the fitting socket and pipe end. Lubricate gasket and pipe end with soapy water (or approved pipe lubricant meeting AWWA C111). Install ONE-LOK restrainer on the pipe with the lip extension facing the pipe end, followed by the proper mechanical joint gasket, tapered side toward pipe end. Insert pipe into the fitting outlet and seat the gasket firmly and evenly into the gasket cavity. Maintain a straight joint during assembly.
2. Push the ONE-LOK gland toward the fitting and center it around the pipe with the lip evenly pressed against the gasket. Insert the T-bolts and hand tighten in an alternating manner maintaining an even gap between the gland and the fitting face at all points around the socket. Continue tightening until all the T-bolts are within the suggested torque per AWWA C111, latest revision. Use of a torque wrench is recommended. Following proper assembly of the mechanical joint, hand tighten all actuating bolts until complete contact of the wedge segments is made with the pipe .
3. Tighten each actuating bolt clockwise, ALTERNATING BETWEEN BOLTS (star pattern) until all the breakaway tops have been removed. Never tighten an actuating bolt more than 180 degrees before moving to the next bolt. If removal is necessary use the remaining 5/8" hex heads. In the absence of the breakaway tops, tighten all actuating bolts using the residual hex shank until the metal bolt collars bottom out in the gland housing. If the SLCE is removed from the pipe, be sure all of the bolts and wedge segments are in place before the SLCE restrainer is reassembled.

Installation Instructions for PV-LOK™ PWM on C909 Pipe

1. Install plain-end PVC pipe into the mechanical joint bell. Insert one of the extra-long T-bolts provided with Series PWM through one of the bolt holes, marking a reference line on the pipe approximately 1 to 2 inches from the end of the bolt.
2. Assemble the MJ gland, gasket and bolts to AWWA standards. Assemble PWM clamping ring on the pipe at the reference line. Tighten the side clamping bolts to recommended torque. The protrusions on the restrainer ears must face the fitting to insure proper direction of the angled serrations. Line up the ears with the corresponding MJ bolt holes.
3. Insert the extra-long T-bolts and install one nut each between the gland and the clamping ring. Tighten the nuts against the MJ gland to AWWA standards to complete the gasketed assembly.
4. Snug the retaining nuts behind the restrainer ears (against the flat surface). Do not over-tighten retaining nuts, approximately one turn with a wrench.