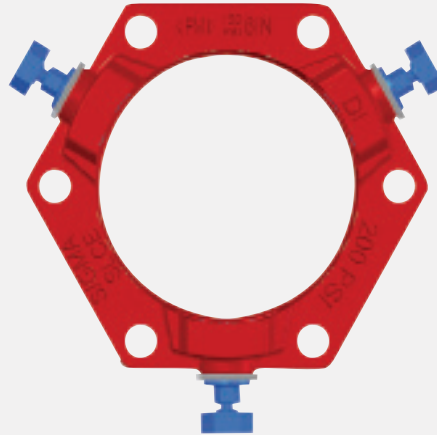
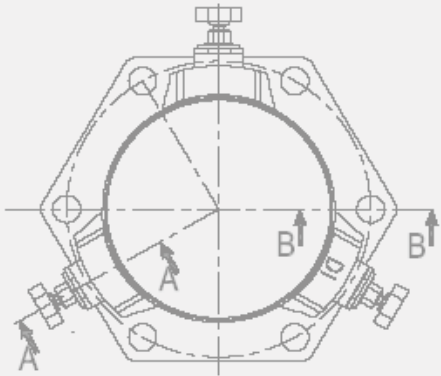
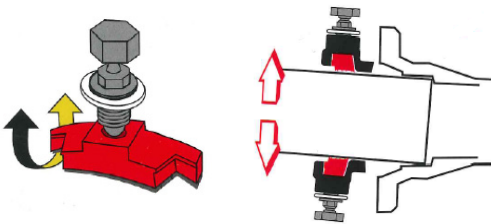


ONE-LOK™ Series SLCE for PVC Pipe



Features & Advantages:



ONE-LOK's unique **CAM ACTION** allows the restraining lugs to "rock" and grip the PVC pipe wall more securely as thrust force increases, and allows for subsidence, seismic or other forces after installation, up to the maximum allowed deflection.



1) The SIGMA ONE-LOK Series SLCE is a mechanical joint restraining gland that implements a series of individually activated wedges into the mechanical joint follower gland. When the wedge segment is engaged by the actuating bolt, the primary contact edges of each wedge segment lock onto the pipe wall. This action causes the primary contact edges to grip the pipe and effectively restrain all classifications of both AWWA C900/C905 and ASTM D2241 IPS size PVC pipe.

2) ONE-LOK SLCE's precision contoured wedges provide proper contact and support of the PVC pipe wall. Each wedge is manufactured with an elongated contour that evenly matches the outside circumference of each nominal diameter of PVC pipe.

3) ONE-LOK SLCE's wedge actuating bolt provides the installer with two visual torque indicators. The breakaway top and secondary shoulder stop ensure proper engagement of the wedge segment at the time of installation. Unlike other actuating bolts, the ONE-LOK SLCE is manufactured with a proprietary quality control system that ensures the breakaway tops will activate at the correct torque. The breakaway top is sized to match the same dimensions of the bolts and nuts used to assemble the mechanical joint fitting and follower gland, eliminating the need for special installation tools. Once engaged, the actuating bolt leaves a residual hex-head shank, allowing post-installation disassembly of the restrained joint, if necessary.

4) ONE-LOK SLCE also features a non-corrosive, two-piece ABS plastic spacer that is removed when using the product to restrain IPS sized pipes meeting ASTM D2241. The two-piece design of this spacer allows it to be removed without requiring disassembly of the product. When the ONE-LOK SLCE is used to restrain pipes meeting AWWA C900, the spacer is left intact on the actuating bolt.

5) ONE-LOK SLCE's unique wedge segment and actuating bolt design allows the two components to interface using a cam action principle, allowing the wedge segments to rock and increase their grip on the pipe wall as thrust on the assembled joint increases. This also allows improved resistance to subsidence, seismic forces, and other movement within the maximum deflection limitations of the mechanical joint under applicable AWWA standards.

SIGMA ONE-LOK SLCE's can be used on all pressure classes and thicknesses of PVC pipe.



Quality – Service – Commitment – Delivered.

| Nominal Pipe Size | Item # | Pressure Rating | | | | | | | | | | | | | |
|-------------------------|--------|-----------------|------|------|------|------|--------|--------|------|------|------------|-------|-------|---------|-------|
| | | C900 | | | | | | | | | ASTM D2241 | | | | |
| | | DR14 | DR17 | DR18 | DR21 | DR25 | DR27.5 | DR32.5 | DR41 | DR51 | SDR17 | SDR21 | SDR26 | SDR32.5 | SDR41 |
| 3 | SLCE3 | - | - | - | - | - | - | - | - | - | 250 | 200 | 160 | 125 | 100 |
| 4 | SLCE4 | 305 | 250 | 235 | 200 | 165 | 150 | - | - | - | 250 | 200 | 160 | 125 | 100 |
| 6 | SLCE6 | 305 | 250 | 235 | 200 | 165 | 150 | - | - | - | 250 | 200 | 160 | 125 | 100 |
| 8 | SLCE8 | 305 | 250 | 235 | 200 | 165 | 150 | - | - | - | 250 | 200 | 160 | 125 | 100 |
| 10 | SLCE10 | 305 | 250 | 235 | 200 | 165 | 150 | - | - | - | 250 | 200 | 160 | 125 | 100 |
| 12 | SLCE12 | 305 | 250 | 235 | 200 | 165 | 150 | - | - | - | 250 | 200 | 160 | 125 | 100 |
| 14 | SLCE14 | 305 | 250 | 235 | 200 | 165 | 150 | 125 | 100 | - | - | - | - | - | - |
| 16 | SLCE16 | 305 | 250 | 235 | 200 | 165 | 150 | 125 | 100 | - | - | - | - | - | - |
| 18 | SLCE18 | 305 | 250 | 235 | 200 | 165 | 150 | 125 | 100 | 80 | - | - | - | - | - |
| 20 | SLCE20 | 305 | 250 | 235 | 200 | 165 | 150 | 125 | 100 | 80 | - | - | - | - | - |
| 24 | SLCE24 | 305 | 250 | 235 | 200 | 165 | 150 | 125 | 100 | 80 | - | - | - | - | - |
| 30 | SLCE30 | - | 250 | 235 | 200 | 165 | 150 | 125 | 100 | 80 | - | - | - | - | - |
| 36 | SLCE36 | - | 250 | 235 | 200 | 165 | 150 | 125 | 100 | 80 | - | - | - | - | - |

NOTE: All packs come with ONE-LOK SLCE Gland, MJ or SIGMA Seal Gaskets & required # of T-Bolts

Installation Instructions:

Note: This product is not designed to be used on plain end fittings.

1. Clean fitting socket and pipe end. Lubricate gasket (a transition gasket is required if using on "IPS" PVC pipe) 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 gasket, tapered side toward end of pipe. Insert pipe into fitting outlet and seat the gasket firmly and evenly into the gasket cavity. Maintain a straight joint during assembly.

NOTE: SIGMASEAL Gasket is recommended for ONE-LOK 30-36". When installing SIGMASEAL gasket, the tapered edges of the gasket must face away from the pipe wall.

2. Push the ONE-LOK gland toward the fitting and center it around the pipe with the lip evenly against the gasket. Insert the T-bolts and hand-tighten the nuts. If deflection is required, make up after joint assembly but before tightening T-bolts.

3. Tighten T-bolts in an alternating manner maintaining an even gap between the gland and the fitting face at all points around the socket. Repeat alternate tightening cycle of the t-bolts until one full complete cycle is completed where each individual t-bolt maintains the recommended torque.

4. For installation on IPS O.D. PVC Pipe, twist, break, and remove the ABS spacers from the actuating bolts (a transition gasket is required if using on "IPS" PVC pipe). DO NOT REMOVE SPACERS when installing product on C900 PVC. Hand tighten all actuating bolt until complete contact of all wedge segments is made with the pipe.

5. Tighten each actuating in a clockwise direction, alternating between the bolts in a star pattern until the break-off tops have been removed. Never tighten an actuating bolt more than 180 degrees before moving to the next bolt.