



## Polylok Riser Installation Instructions

To ensure the desired safety and performance from the Polylok riser system, the riser and cover must be installed properly. Below is a list of instructions that must be followed to achieve a successful watertight installation. It is important to follow these instructions closely, as the failure to do so may result in serious personal injury or death. Should you have any questions about these instructions, please contact us at [<https://www.polylok.com/contact>] and/or hire a licensed contractor.

1. The most critical joint for water testing purposes is the joint where the riser is cast into the lid of the tank. Visual inspection is required to make sure there are no cracks or gaps between the riser and concrete. Should you find it necessary, seal any areas in question with sealant.
2. Gaskets are installed in all riser covers. Although they are held in place with adhesive, there is always a chance that a gasket could be dislodged or become damaged. These gaskets must be in place if a watertight installation is required. Before attempting an installation, inspect the gaskets in the riser cover. A riser cover with a damaged or missing gasket should not be installed. Should you find a gasket damaged, replace or repair by applying a bead of silicone or butyl mastic over the area in question before attempting an installation.
3. Risers do NOT come with factory installed gaskets. If you are attempting to create a watertight seal, you must install a gasket or butyl to the riser joint. The material you use must cover the full diameter of the riser and adhere completely to the riser. We offer 20" and 24" gaskets should you need a watertight connection. Part numbers are 3008-HR for the 24" gasket and 3009-HR for the 20" gasket.

When adding additional riser sections, use #10 x 1.5" square drive stainless steel square drive screws to fasten the sections together. ALL screws must be installed in each riser section and cover to ensure a watertight connection. The structural integrity of the risers is dependent on all screws being installed properly. The maximum torque for #10 screws is 16 IN LBF (inch pounds of force) or 1.8 N-M (newton meters) Or handtight using a handheld screwdriver. Failure to do this could cause the riser sections to compromise the seals and possibly fail. **Note:** The maximum torque for # 12 screws is 20 IN LBF or 2.26 N-M.

4. Use an alternate screw tightening pattern to ensure even pressure on the risers and cover. Failure to do this could cause the riser sections to compromise the seals and possibly fail.
5. Should a riser boss (internal riser ribbing) crack when screwing riser sections together, use a new riser boss to screw the sections together.
6. Once the appropriate number of risers have been installed, install and screw down the cover before backfilling. Distribute the fill as evenly as possible around the riser as it is brought up to grade. Excessive lateral pressure on the riser column during installation can cause deformation or failure of the riser sections. Proper compaction is also important to minimize the shifting and undue stress on the riser column in the future.

7. Each riser section has a ring around the outside. In cold weather climates where frost heaves may occur, this ring needs to be removed. This should be done to each riser section before it is screwed in place. This can be done by running a knife between the ring and the riser. This will separate the two pieces so that the ring can be removed.

8. Although the Polylok risers and covers are very strong, it should be noted that they are not rated for H-20 loading. We have had risers tested to accept a uniform load of 6,000 lbs. and covers center load tested at 2,500 lbs. Risers should not be buried more than 3 feet below grade.

9. Polylok's Safety Screens should be used for installations near children and pets. Safety Screens act as a secondary layer of protection if the riser cover is damaged or removed. The screen fits in the upper most riser stack of our Polylok Risers and prevents entry into the septic tank. [<https://www.youtube.com/watch?v=7hmR3-vOrWU>]

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

POLYLOK EXCLUDES AND DISCLAIMS ALL WARRANTIES FOR THIS PRODUCT, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



3 Fairfield Boulevard, Wallingford, Connecticut 06492  
Office: 1-877-765-9565 Fax: 203-284-8514  
email: [sales@polylok.com](mailto:sales@polylok.com)  
Web site: [www.polylok.com](http://www.polylok.com)