

Building connections that last™



Gruvlok® SlideLOK® 74FP Coupling



ASC Engineered Solutions™, global leader in fire protection piping products, is proud to offer the industry's most advanced ready-for-installation coupling, manufactured with pride in the U.S.A.

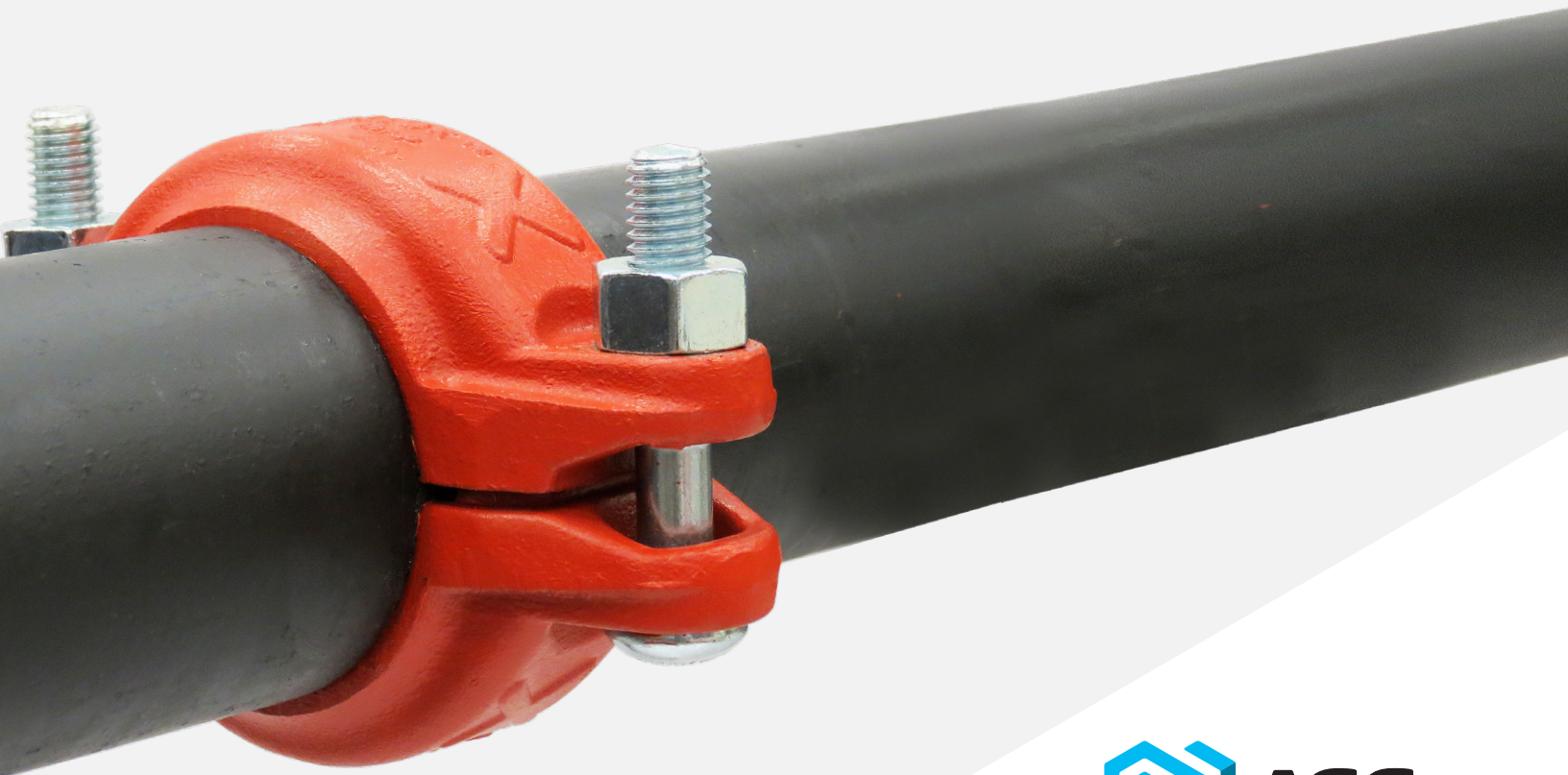


The SlideLOK® 74FP rigid coupling is the most rigid ready for installation coupling designed to reduce installation time. The coupling is truly unique, offering the safest procedure for installation. There are no loose parts.

The coupling is installed by simply sliding the coupling completely over the pipe end. This method eliminates the possibility of the coupling falling off of the pipe as the entire SlideLOK coupling rests on the pipe end. Installation is completed by bringing the

adjacent component up to the pipe end, and sliding the coupling back over both pipe ends. The joint is finished by equally tightening the two bolts with an impact wrench or socket wrench.

The SlideLOK coupling utilizes a tongue and groove design to ensure proper coupling halve alignment. When the coupling is tightened an equally spaced gap between the coupling halves should be present. The joint is completed, simply and safely.



The SlideLOK coupling features our pressure responsive gasket.

The patented gasket is the result of state-of-the-art CAD generated design. This innovative gasket features four separate sealing contacts to seal the gasket on the pipe.

The gasket employs a unique leading edge to eliminate gasket pinching and patented gasket lips for easy slide action. The gasket is our grade E Type A formulated EPDM gasket and carries a 150°F temperature rating for UL & FM fire protection applications.

Specification Information: Ready for installation couplings are available in sizes 1¼" through 8" with gaskets grade E Type A for water service (-40°F to 150°F).



SlideLOK 74FP Couplings / Installation

Ready for installation – right out of the box.

Do not disassemble the SlideLOK Coupling. The 74FP coupling is ready for installation. The bolt and gasket do not need to be removed.

1 Pipe Preparation

Pipe ends are to be cut, rolled or swage grooved according to ASC Engineered Solutions specifications. Not for use on "EG" grooved pipe ends. The pipe end must be smooth and free from metal burrs, sharp edges or projections.

2 Gasket Preparation

Ensure the gasket is suitable for the intended application by referring to the Anvil gasket compatibility chart. SlideLOK pre-lubricated gasket does not require lubrication.

CAUTION: Gruklok Xtreme Lubricant must be applied when used in dry pipe systems or freezer applications.

3 Assembly

The SlideLOK 74FP may be installed by one of two methods. The preferred method depends on the type of pipe components being joined and their orientation. **Please review both methods before installing.**

Method No 1

Slide the SlideLOK coupling completely over the grooved pipe end. This will allow a clear and unobstructed view of the pipe for correct alignment.

- A.** Slide the coupling on the pipe past the groove. The bolts and nuts can be hand tightened to position the coupling in place.
- B.** Align the mating pipe end. Align the two adjoining pipes together.
- C.** Slide the coupling back over the grooves so that the coupling keys are located over the respective grooves on both pipe ends.
- D.** Follow the instructions on fastening the coupling as shown in Step 4.



SlideLOK 74FP Couplings / Installation (continued)

Method No 2

Slide the SlideLOK coupling half way onto the pipe end or fitting. This will better accommodate fitting, and valve accessories during installation.

- A. Slide the coupling on the fitting so that the groove and keys are aligned.
- B. Bring the pipe end or fitting towards the coupling and insert so that the groove and coupling keys are aligned.
- C. Hand tighten the nuts to correctly position the couplings keys over the respective grooved ends.
- D. Follow the instructions on fastening the coupling as shown in Step 4.



4 Tighten Nuts

Securely tighten nuts alternately and equally, keeping the gaps at the bolt pads evenly spaced.

Notice: Uneven tightening may cause the gasket to pinch. Gasket should not be visible between segments after bolts are tightened.

ANSI Specified Bolt Torque

Bolt Size	Wrench Size	Specified Bolt Torque*
In.	In.	Ft.-Lbs
1/2	5/8	80-100
5/8	1 1/16	100-130
3/4	1 1/2	130-180

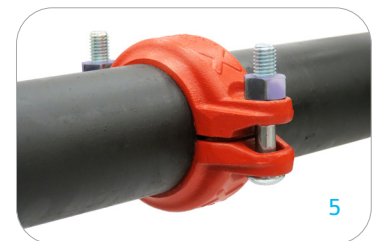
* Non-lubricated bolt torque.



5 Assembly is complete

Visually inspect the pipe joint to assure the coupling keys are fully engaged in the pipe grooves. The bolt pads are to have equal gaps on each side of the coupling

Notice: Visually inspect both sides of the coupling to ensure gaps between bolt pads are evenly spaced and are parallel. Any deviations must be corrected before placing coupling into service.



SlideLOK 74FP Couplings / Re-installation

The SlideLOK coupling is designed to be installed in the ready for installation assembly position once. After the initial assemble the following steps are to lbe taken to re-install the SlideLOK 74FP coupling.

1 De-pressurize the System

De-pressurize the system before removing the SlideLOK Coupling. Dis-assemble the couplings by removing the nuts, bolts and

gasket from the housing halves. A wrench is required to overcome the epoxy used to secure the nuts on the bolts.

2 Pipe Preparation

Pipe ends are to be cut, rolled or swage grooved according to ASC Engineered Solutions specifications.

Not for use on "EG" rolled or cut grooved pipe ends. The pipe end must be smooth and free from metal burrs or projections.

3 Gasket Preparation

Ensure the gasket is suitable for the intended application by referring to the ASC gasket compatibility chart.

A light coating of Gruvlok® XTreme™ lubricant must be applied to the gasket prior to installation.



SlideLOK 74FP Couplings / Re-installation (continued)

4 Pipe Alignment and Gasket Installation

Slide the gasket onto the pipe then align the two pipe ends together. Pull the gasket into position, centering it between the

grooves on each pipe. Gasket should not extend into the groove on either pipe.



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5 Housing Assembly

Place each housing halves on the pipe making sure the housing key fits into the groove. Be

sure that the tongue and recess portions of the housing mate properly. Insert the bolts.



6

6 Tighten Nuts

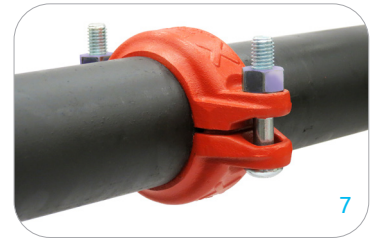
Securely tighten nuts alternately and equally, keeping the gaps at the bolt pads evenly spaced.

Notice: Uneven tightening may cause the gasket to pinch. Gasket should not be visible between segments after bolts are tightened.

ANSI Specified Bolt Torque

Bolt Size	Wrench Size	Specified Bolt Torque*
In.	In.	Ft.-Lbs
1/2	5/8	80-100
5/8	1 1/16	100-130
3/4	1 1/2	130-180

* Non-lubricated bolt torque.



7

7 Assembly is complete

Visually inspect the pipe joint to assure the coupling keys are fully engaged in the pipe grooves. The bolt pads are to have equal gaps on each side of the coupling.

Notice: Visually inspect both sides of the coupling to ensure gaps between bolt pads are evenly spaced and are parallel. Any deviations must be corrected before placing coupling into service.

Correct vs. Incorrect Installation Examples



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About ASC Engineered Solutions

ASC Engineered Solutions (formerly Anvil International & Smith-Cooper International) is defined by quality—in its products, services and support. With nearly 2,000 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, NAP®, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF®, SprinkFLEX®, Trenton Pipe, and VEP. With headquarters in Oak Brook, IL, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



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