

**Fig. 64** CTS S SlideLOK® Rigid Coupling



Read and understand all instructions before use.

## WARNING

Ensure system is drained and depressurized before installation or service.

Use appropriate personal protective equipment.



Failure to follow these instructions could result in serious personal injury and/or property damage.

## 1 Copper Tube Preparation

Copper tube ends are to be roll grooved copper tube according to ASC specifications. The tube end must be smooth and free from metal burrs or projections.

## 2 Gasket Preparation

Ensure the gasket is suitable for the intended application by referring to the ASC gasket compatibility chart. Apply a light coating of Gruvlok Lubricant to exposed gasket surfaces.

## 3 Assembly

The CTS SlideLOK Figure 64 may be installed by one of two methods. The preferred method depends on the type of components being joined and their orientation. Please review both methods before installing.

### Step 3 – Method No. 1

Slide the CTS SlideLOK coupling completely over the grooved copper tube end. This will allow a clear and un-obstructed view of the tube for correct alignment.

**A.** Slide the coupling on the copper tube past the groove. The bolts and nuts can be hand tightened to position the coupling in place.

**B.** Align the mating copper tube end. Align the two adjoining tubes together.

**C.** Slide the coupling back over the grooves so that the coupling keys are located over the respective grooves on both copper tube ends.

**D.** Follow the instructions on fastening the coupling as shown in Step 4.

### Step 3 – Method No. 2

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

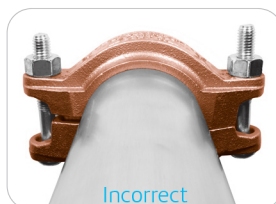
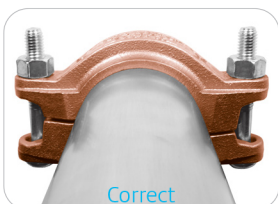
**A.** Slide the coupling on the fitting so that the groove and keys are aligned.

**B.** Bring the copper tube

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 Final Assembly

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

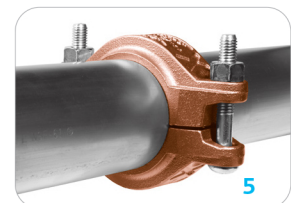
Size	Torque
In.	Ft.-Lbs
2	45-60
2½-4	80-100
5-8	100-130



## 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.



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**Fig. 64 CTS S SlideLOK® Rigid Coupling**



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## REINSTALLATION OF THE FIG. 64 CTS SLIDELOK™ COUPLING

The CTS SlideLOK coupling is designed to be installed in the ready for installation assembly position once. After the initial assembly the following steps are to be taken to re-install the Fig. 64 CTS SlideLOK coupling.

### 1 De-pressurize the System

De-pressurize the system before removing the CTS SlideLOK Coupling. Disassemble 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 Copper Tube Preparation

Copper tube ends are to be roll grooved copper tube according to Anvil specifications. The tube 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 Anvil gasket compatibility chart. A light coating of Gruvlok lubricant must be applied to the gasket prior to installation.



### 4 Copper Tube Alignment and Gasket Installation

Slide the gasket onto the copper tube then align the two tube ends together. Center the gasket between the grooves on each copper tube. Gasket should not extend into the groove on either copper tube.



### 5 Housing Assembly

Place each of the housing halves on the copper tube making sure the housing key fits into the groove. Be sure that the tongue and recessed portions of the housings mate properly. Insert the bolts and loosely install the nuts.



### 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

Size	Torque
In.	Ft.-Lbs
2	45-60
2½-4	80-100
5-8	100-130



### 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.

