

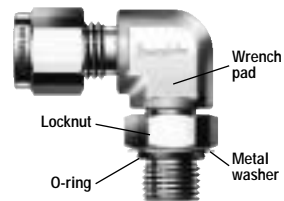
## Swagelok Installation Instructions

### SAE/MS Straight Thread and ISO Parallel Thread Positionable Elbows and Tees

#### To Install

1. Lubricate O-ring with a lubricant compatible with the system fluid, environment, and O-ring material if necessary.<sup>①</sup> (Standard O-ring material is fluorocarbon FKM. Other O-ring materials are available upon request.)
2. Turn the fitting into the straight thread boss until the metal back-up washer contacts the face of the boss.

<sup>①</sup> O-rings are coated with a thin film of silicone-based lubricant from the factory.

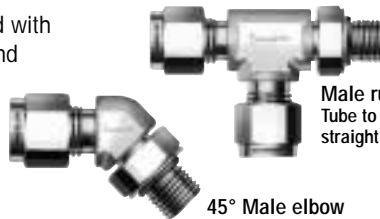


90° Male Elbow  
Tube to SAE/MS straight thread

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3. Position the fitting by backing it out (not *more than 1 turn counter clockwise*) until the Swagelok tube fitting end is oriented in the proper direction.

4. Hold the wrench pad with a back-up wrench and tighten the locknut until the washer is against the face of the boss.



**Male run tee**  
Tube to SAE/MS  
straight thread

**45° Male elbow**  
Tube to SAE/MS  
straight thread



**Male branch tee**  
Tube to SAE/MS  
straight thread

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