



Swagelok professional tools

All the tools you will need on the job site to make
the installation process easier.



The Swagelok Professional Tools

Finding the right tool for the job will not be an issue when you have the Swagelok Professional Tools on the job site. The toolbox contains a complete set of Swagelok hand tools designed specifically for fabricating tubing systems.

The set of tools are designed for use with the three most common fractional tube sizes- 1/4", 3/8", and 1/2" inch O.D. tubing or metric tubing size 6, 8, 12 mm O.D. tubing.

All of the tools are securely contained in a lockable, water resistant case with wheels to make transporting easy.

: Swagelok Tools and Accesories conveniently packaged

: Available in size: 1/4"-1/2" or 6 - 12 mm kits (selected)

One of the most critical processes in creating a leak-tight tube fitting connection is to properly and consistently prepare the tubing.

The Swagelok Professional Tools contain all essential tools to make quality connections for Small Bore Tube Fitting Installation through three basic steps

■ Cut. Deburr

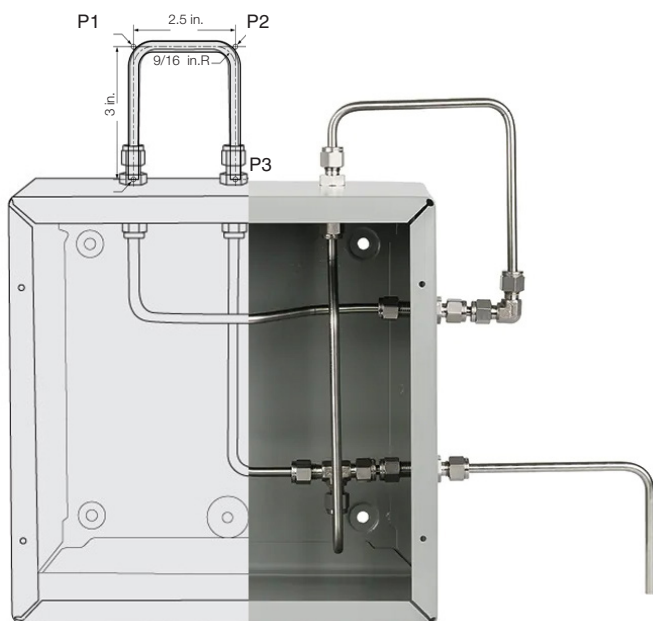
Tube Cutting and Preparation Tools.

■ Tube Bending

Swagelok® tube benders provides high-quality bends on fractional and metric tubing made from material that can be used with Swagelok tube fittings.

■ Tube Fitting Installation & Inspection

Swagelok® tube fittings are gauge-able, installer can be use depth marking tools to ensure tubing at bottomed on the shoulder inside the Swagelok tube fitting body and inspect a sufficient pull-up upon initial installation using gap inspection gauge.



What's inside?

Step 1

Cut, Deburr

Proper tube handling and preparation techniques—which all take place before the fitting is tightened—are essential for safe, leak-tight and long-lasting connections that plant operators can trust.



1. The Swagelok tube cutter cuts stainless steel, soft copper, and aluminum tubing from 3/16 to 1 in. and 4 to 25 mm outside diameter.



2. After using the tube cutter, Swagelok deburring tools deburr stainless steel, steel, and hard alloy tube ends. Helps ensure burrs from tube cutting are removed, reducing the chances of leakage or damage to components.

Step 2

Tube Bending

Easy-to-use benders reduce installation time and the potential for wrinkling or other damage to the tubing during bending.



1. Swagelok Hand tube bender has a Clevis handle design provides enhanced leverage for bends greater than 90 degrees.



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Step 3 Installation & Inspection

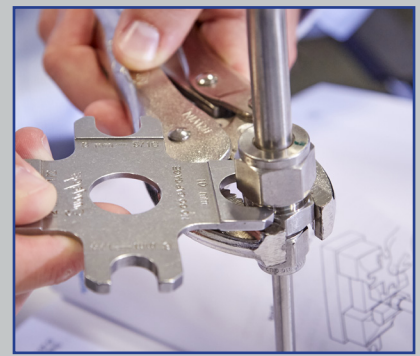
Best practice in “Small Bore Tube Fitting Installation” are vary important to safety operation. Swagelok gauge-ability designed allow you inspected installation procedure to avoid under-tightened, the wrong fitting ferrule orientation and tubing not fully bottomed using inspection tools below



Swagelok **depth marking tools** help ensure that tubing is bottomed on the shoulder inside the Swagelok tube fitting body.



Tee Wrench provide positive backup support when installing Swagelok union tee and crosses, allow user to hold fitting firmly and precisely



Gap Inspection Gauge are inserted between the nut and body of a Swagelok tube fitting after pull-up. If the gap inspection gage will fit in the gap between the nut and body hex, the fitting nut has not been sufficiently tightened.



Swagelok Professional Tools Box—Tools to make your installs easier

The toolkit contains the complete set of Swagelok tools and accessories specifically for fabricating tubing systems. These set of tools are designed for use with the three most common fractional tube sizes - 1/4, 3/8 and 1/2" OD or metric sizes -6, 8 and 12 mm OD tubing.



The Swagelok Professional Tools contains the following hand tools:

- Hand Tube Bender in all three sizes
- **SWA-PROTOOL-01-INCH:** 1/4, 3/8 and 1/2 inch
- **SWA-PROTOOL-01-MM:** 6, 8 and 12 mm
- Tube Cutter
- Tube Deburring Tool
- Tee Wrench in all three sizes
- Gap Inspection Gauge in all three sizes
- Vernier Caliper
- PTFE Tape Thread Sealant, 1/4 x 576 inch.
- PTFE Tape Thread Sealant, 1/2 x 288 inch.
- Permanent Marker
- Hand Tube Bender Manual
- Tube Fitter's Manual

Tool Case are lockable, weather-resistant and has free running wheels for easy transportation. All tools are nestled in custom-cut foam.



Hard case specification:

-  [Exterior Dimension] 118.9 x 40.5 x 16 cm
-  [Interior Dimension] 113.8 x 35.1 x 13.3 cm
-  [Weight-Excluded Tools] 9.35 kg
-  [Operating Temperature] -40.0 to 90.0 C
-  [Water Proof Rating] IP67

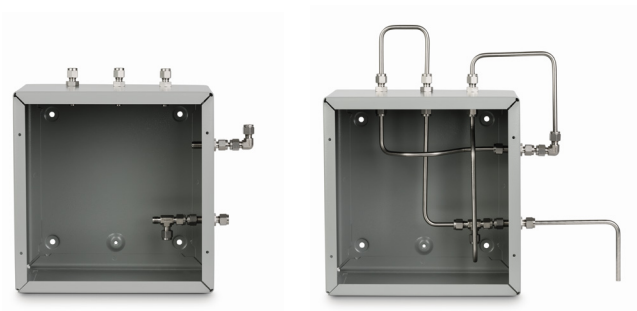


Arm Your Team with the Right Training



To support trouble-free installation and maintenance, we offer tools, equipment training and support

The training Swagelok offers, covers different tube handling and tube inspection practices in depth, ensuring workers are using practices that minimize rework and scrap.



You will learn and gain an experience with:

- Thread Identification
- Tubing Selection and Handling
- Tube Bending Practices
- Tube Fitting Safety Installation



Don't Face Your Fluid System Challenges Alone

Swagelok® onsite services bring our technical expertise, application experience, and industry knowledge to you. Our **field engineers** visit your facility, evaluate your fluid or sampling systems, advise on installation practices, and recommend system enhancements via detailed reports tailored to address your most pressing challenges. As a result, you receive the insights you need to improve performance, productivity, reliability, and safety of your fluid systems while also reducing costs and mitigating environmental risks.



<https://thailand.swagelok.com>

Or contact us, your local Swagelok sales and service center, here:

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