

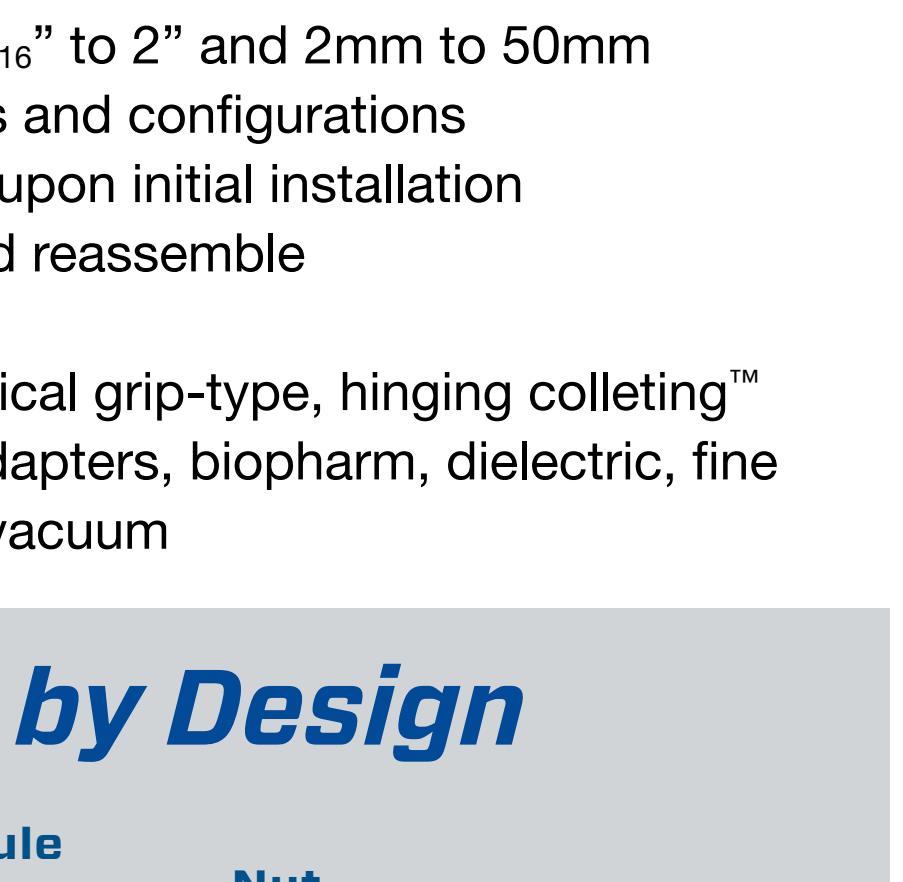
## Critical Components

### Swagelok Tubing, Tube Fittings, and overall

**Tubing Expertise:** Your first choices for safe, leak-tight, ultra-performing fluid systems

## Swagelok

## TUBING

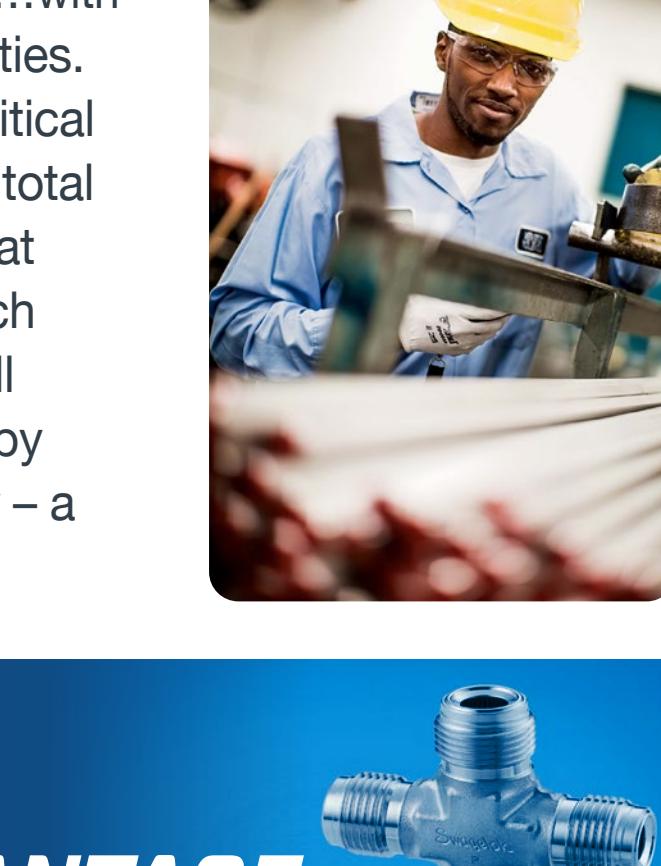


- Made of instrumentation-grade seamless stainless steel
- Available in fractional, metric, and imperial sizes, most commonly 1/4", 3/8", 1/2", and 3/4" OD
- Offered in numerous wall thicknesses
- Chemically cleaned and passivated to ASTM G93 Level A and CGA 4.1 standards
- Thermocouple-cleaned per ASTM A632-S3 standards
- Marked for size, material, specification, and heat number

**We are also your local source for**  
premium-quality Ultrahigh Purity, High-Purity  
Stainless Steel, Welded, Cone and Thread,  
Medium-Pressure, Jacketed, Insulated,  
Electric-Traced, and Steam-Traced Tubing!

## Swagelok

## TUBE FITTINGS



Count on reliable, leak-tight performance as a result of our proven design, manufacturing excellence, and superior raw materials.

- Available in tube sizes 1/16" to 2" and 2mm to 50mm
- Wide variety of materials and configurations
- Consistent gaugeability upon initial installation
- Easy to disassemble and reassemble

**Types:** Swagelok mechanical grip-type, hinging colletting™ tube fittings, weld, tube adapters, biopharm, dielectric, fine thread flare, flange, pipe, vacuum

## Better by Design



The world-renowned Swagelok Tube Fitting, consisting of a body, nut, and front and back ferrules, incorporates a grip-type mechanism that creates a unique **hinging-and-colleting action** that results in:

- more direct tube contact/gripping support
- concentrated zones of contact on the tube and body bevel for an **ultra-strong gas seal**
- **better isolation of stress risers** at the tube grip to resist bending, deflection, and vibration

In addition, our patented **SAT12® Low-Temperature Carburization Process**, recipient of the 2006 Engineered Materials Achievement Award, gives our front and back ferrules a tool steel-like hardness and strength without diminishing their ability to fight corrosion or to maintain ductility.

Plus, Swagelok Tube Fittings are easy to install:

No threading, welding, soldering, flaring, or brazing required – just your standard wrenches!

## Superior Materials

Not all stainless steel is the same. Our premium, special-recipe "Swagelok" 316 stainless steel exceeds ASTM minimum requirements for nickel and chromium – resulting in optimum corrosion resistance and ductility. In our extensive Chloride Stress Corrosion Cracking (CSCC) test of 72 Swagelok nuts versus 110 of multiple competitive brands, Swagelok had ZERO visible cracking or leakage, yet 39% of the comparable fittings cracked or leaked.



The Brand. The Inventory. The Expertise.

**WE DELIVER DIFFERENCE-MAKING SOLUTIONS:** Products | Strategic Support Services | Application Know-How

**WE'RE YOUR SWAGELOK FLUID-SYSTEM SOLUTIONS PROVIDER**

**Industry-Best Componentry** | **Masterful Custom Fabrication** | **Expert Safety Training** | **Extensive Energy Evaluations**

**Unparalleled Application Knowledge** | **Comprehensive Hose Advisories** | **Proven Inventory Support** | **Genuine Swagelok Rentals**

**WE CAN HELP YOU SAVE TIME, MONEY, AND WORRY. WE CAN HELP YOU SAVE TIME, MONEY, AND WORRY.**

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