

Best Practice for a Better Fluid System:

DO NOT INTERMIX* Tube Fitting Hardware

(*assembling the nuts, ferrules, and/or bodies of two or more brands to make a new component)

Here's Why:

- Worker safety can be easily compromised when substituting parts from one maker's fitting with another's – making all such “new” components completely UNTESTED
- No fitting brand (OR its parts) is explicitly made to work together with another brand
- Sealing surface inconsistencies and incompatibilities will likely result from significant differences in design, construction, torque value, geometry, tolerances, metallurgical properties, and more
- Seals will also be ineffective due to varied swaging mechanisms and material hardness
- Fatigue failure could occur as well

So, trying to save a little on operational costs could mean wildly unpredictable performance, major safety hazards, a vastly weakened overall Bottom Line, and even voided product warranties if/when leakage or other connection issues happen.

In fact, the **IOGP JIP-33**, an initiative aimed at making substantial improvements in the specification, procurement, and delivery of global Oil and Gas equipment, bluntly labels tube fitting intermix as a “bad Engineering practice.”

OUR EXPERT Recommendation:

Single-source your tube fittings, thus avoiding any potential to even accidentally combine brands or one brand's parts with another's...eliminating risks to your technicians and property, while ensuring an optimal fluid system.

THE SWAGELOK Tube Fitting Advantage

Our leak-tight, world-renowned Tube Fittings are proven and trusted, for almost 80 years, to outperform – in even the most challenging Oil and Gas, Chemical, Power, Steel, Clean Energy, Applied Research, and other General Industrial applications – all competitive offerings because of our:

- Unique/Proprietary Two-Ferrule Design
- Superior Raw Materials and Metallurgical Chemistry
- Unrivaled Manufacturing Workforce, Processes, and Quality Control

Better by Design

Swagelok's unique hinging-and-colleting action delivers exceptional tube contact and grip support. Competitive styles employ a bite-type mechanism that leaves a sharp indent on the tubing surface – and could easily cause fracturing. In addition, the burnishing/polishing action of our front ferrule creates concentrated contact zones on the tube and body bevel – for an ultra-strong gas seal. Lastly, our fitting's collecting region ideally isolates stress risers at the tube grip – resulting in optimum bending, deflection, and vibration resistance.



The hinging-colleting design of the Swagelok tube fitting

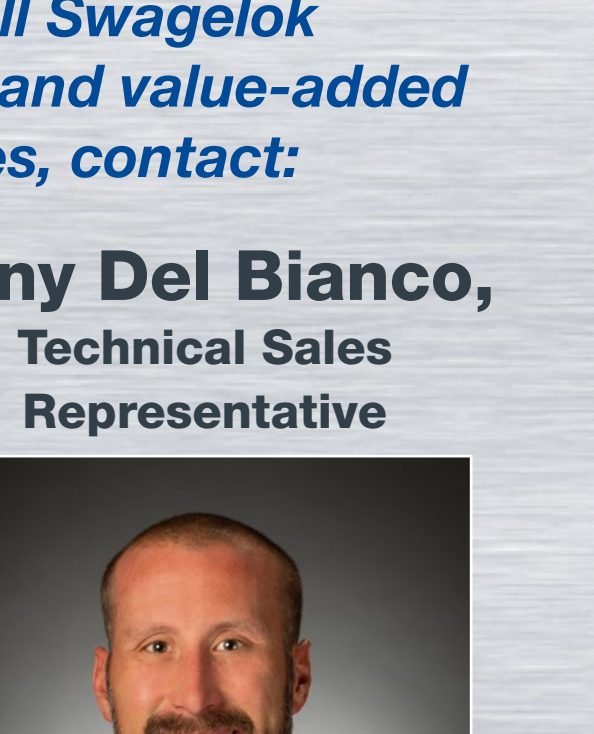
A Material Difference

Our proprietary blend of the finest available alloys yields unparalleled chemical and corrosion resistance. We use only a premium, special-recipe “Swagelok” 316 stainless steel, produced by a thoroughly vetted network of Swagelok-approved-and-monitored mills, that exceeds ASTM minimum requirements for nickel and chromium.

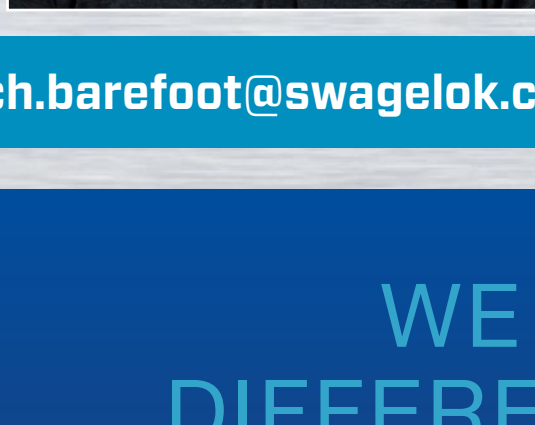


Manufacturing Excellence

We own our entire manufacturing process – all forging, machining, welding, electro-polishing, assembly, and testing – with all such activities done exclusively, by us, in our facilities. Our 1,800+ shop floor associates receive extensive yearly training so that we stay current with the latest manufacturing trends, methods, and best/safest practices.

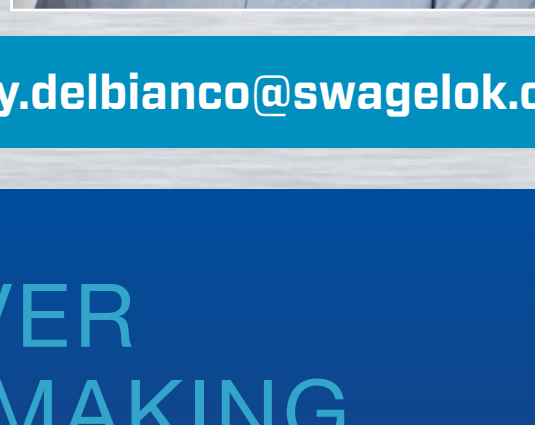


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WE DELIVER DIFFERENCE-MAKING SOLUTIONS:

Products | Strategic Support Services | Application Know-How



The Brand. The Inventory. The Expertise.

WE'RE YOUR SWAGELOK FLUID-SYSTEM SOLUTIONS PROVIDER



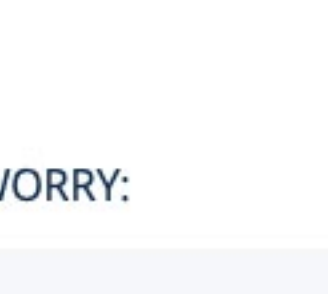
Industry-Best Componentry



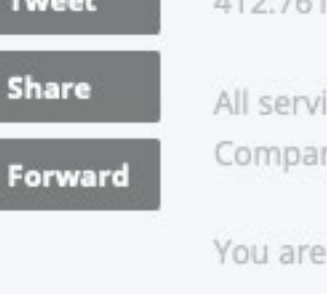
Masterful Custom Fabrication



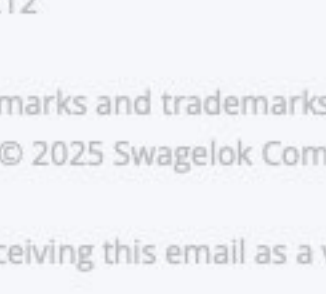
Expert Safety Training



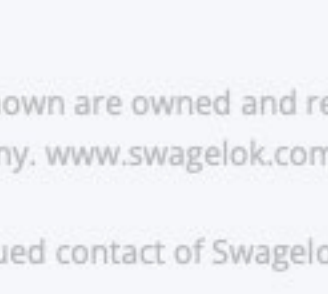
Extensive Energy Evaluations



Unparalleled Application Knowledge



Comprehensive Hose Advisories



Proven Inventory Management Support



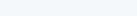
Genuine Swagelok Tool Rentals



WE CAN HELP YOU SAVE TIME, MONEY, AND WORRY:



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