



Swagelok Sub-Saharan Africa

SAFETY INSTALLATION & TUBE BENDING TRAINING COURSE

Build an even better workforce with expert-led, Swagelok certified training designed to help you maximise today and strengthen tomorrow.

The Swagelok Installation & Tube Bending training course will help your team gain foundational tube fitting knowledge that ensures system integrity and minimised leakage risks. The course covers proper tube selection, the correct way to cut and deburr tubing, assemble and reassemble Swagelok tube fittings, gauge a tube fitting assembly and identify basic thread types.

Overall, this interactive, hands-on training course is to provide instruction on the safest and most cost effective methods of installing and maintaining connections in fluid and gas handling systems.

Our aim is to help you decrease costs, increase employee safety and equipment uptime, and minimise leaks with correct tube fitting selection, preparation, and installation.

WHO SHOULD ATTEND THIS TRAINING?

The Swagelok installation training course is ideally suited to anyone who is directly involved with the installation, assembly and maintenance of liquid and gas systems.

This course has proven to be not only ideal for apprentices and junior technicians, but also extremely beneficial to all technical personnel throughout the organisation.

This class is appropriate for:

- Installers
- Pipe Fitters
- C & I Personnel
- Technicians
- Contractors
- Fabricators
- Engineers
- Maintenance Managers





CERTIFICATION

On completion of the practical work, trainees will complete a written test on the course content. A minimum pass mark of 80% is required. Successful trainees will be issued with the Swagelok Safety Installation Training Certificate of completion that is globally recognised within the industry. The certification is valid for a period of three years from the date of completion, whereupon re-certification is required.

This comprehensive safety installation and tube bending course is the only course of its kind available in South Africa. The personnel conducting the course are all highly trained, technical professionals certified by Swagelok Company.



The Swagelok Safety Installation & Tube Training Course is an ECSA CPD Validated Training Course.

REFERENCES

Swagelok is a leader in training engineers and installers in the proper selection, installation, maintenance and operation of fluid system products. Each year, more than 200 authorised Swagelok sales and service centre associates train thousands of customers and contractors in standardised practices. This training facilitates efficient, productive and safe system operation.

Southern African companies that have been trained by Swagelok Southern Africa and benefitted from this training include:

- Eskom Group
- Sasol Group
- ArcelorMittal
- Engen
- Chevron Texaco
- SAPREF
- South African Universities
- NECSA
- AFROX
- Sonadiets
- SPIE
- Sonamet
- Schlumberger
- ... and many more

Testimonials are available for your perusal should you require.

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COURSE CONTENT

- **Installation**

The correct selection and use of different fitting configurations, selecting the appropriate tube and fitting material, determining system pressure/temperature requirements and identifying different pipe threads.

- **Tube Bending**

Instructor-led training on the accurate calculation, measurement, marking and bending of tubing. Practical session on the correct use of bending equipment and profile bending eliminating any off-cut loss of material.

- **Tube Cutting**

The proper handling and preparation of tubing for installation.

- **Tools**

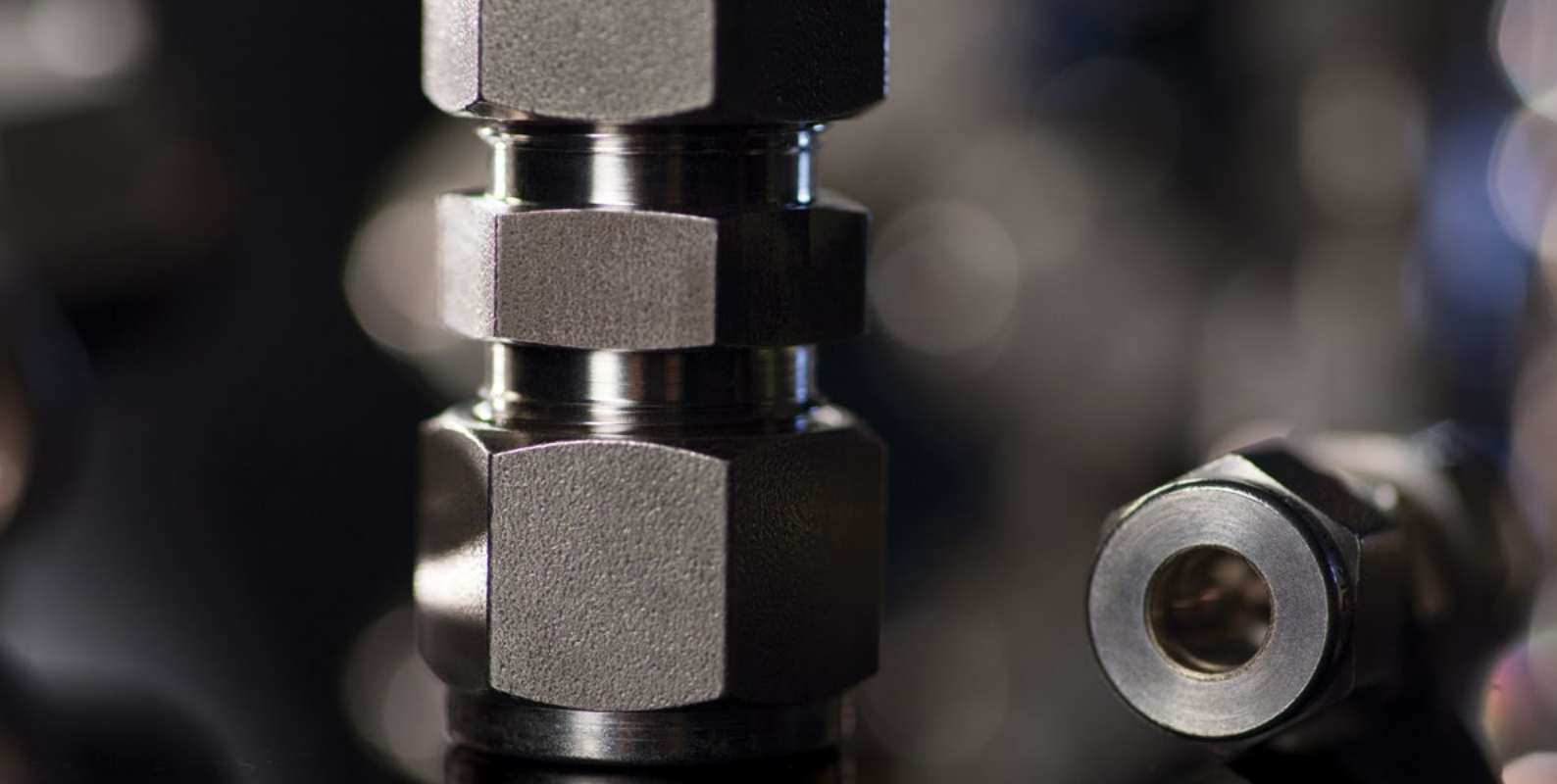
A full range of tools including tube cutters, deburring tools, tube benders, tee wrenches and gap inspection gauges will be demonstrated.

This interactive training course allows the trainees to physically participate in the correct installation of tube fittings and to accurately calculate and bend tube profiles. The instructor makes use of training videos, samples and practical demonstrations to support the Powerpoint training presentation. Depending on the number of attendees and the level of participation, the duration will be approximately six hours.



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COURSE MATERIAL

All relevant content, tooling and consumables will be provided during the training session.

Upon completion of the six hour training and included in the price, the attendees will receive:

- Tube and pipe fitting vernier
- Gap inspection gauge
- Swagelok Tube Fitter's Manual
- Installers Pocket Guide for Swagelok Tube Fittings
- Standard training manual
- Complementary Swagelok gift

RESOURCES/ REQUIREMENTS

Training courses presented at your premises would require a lecture room with flip charts and audiovisual equipment. These courses can accommodate up to a maximum of twelve (12) attendees per class.

CONTACT

Please contact our Customer Service team for further details, quotes, bookings or special tailor-made training options at ssa@swagelok.com.



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