



Hydrogen Small Bore Tubing Course

■ Target Audience

Technicians, maintenance and engineering personnel involved in the installation, maintenance, inspection, and design of hydrogen applications and small bore tubing gas delivery systems.

■ Course Length

1 Day

■ Practical Content

50%

■ Theoretical Content

50%

■ Course Aims

To provide delegates with an understanding of the properties and behaviour of hydrogen and identify the hazards hydrogen could pose to their own environment or that of end users. Achieve a comprehensive understanding of Swagelok® tube fittings and related products, and instruct on the correct installation, maintenance and trouble-shooting techniques to ensure leak free connections, increase system efficiency and improve system safety. To provide an awareness of standards and best practices when working with hydrogen systems and high-safety factor hydrogen applications and gas delivery systems.

■ Course Content

- Understanding of hydrogen leakage, its implications and best practice leak testing for these applications
- Safe tube fitting installation procedures for hydrogen applications and high-safety factor systems
- Correct material selection and hydrogen embrittlement
- Identify component parts required to make a leak free connection
- Correct thread installation and sealing methods (SAE, NPT, BSP, etc)
- Metric v fractional component part identification
- Correct tube handling, preparation and bending
- Awareness of HV35 and HV70
- Tube bending techniques including practical activities.

PART NUMBER:
TSG-H2SBT

■ Course Delivery

Instructor led classroom and training workshop.

■ Certification

Swagelok® Certificate of Completion – valid for 3 years (subject to successful completion of both practical and theoretical exams).

■ Instructor

Swagelok® certified trainers.

■ Swagelok Training Academies

Swagelok Scotland, Aberdeen

Silvertrees Business Park, Silvertrees Drive, Aberdeen, AB32 6BH

Swagelok Scotland, Motherwell

19 Glasgow & Edinburgh Road, Newhouse, Motherwell, ML1 5GJ

Swagelok Teesside

STEM Centre, Middlesbrough College, Windward Way, Middlesbrough, TS2 1QG

■ Contact

Onsite and offshore courses are available. For further details, please contact our training team at scots.training@swagelok.com or call +44 (0)1224 759916.