



## STS Directory

Accreditation number: STS 0715

International standard: ISO/IEC 17025:2017  
Swiss standard: SN EN ISO/IEC 17025:2018

SWI Swiss Welding Institute  
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Initial accreditation: 08.02.2022  
Current accreditation: 08.02.2022 to 07.02.2027  
Scope of accreditation see: www.sas.admin.ch (Accredited bodies)

### Scope of accreditation as of 08.02.2022

Testing laboratory for destructive and non-destructive testing of base materials and welds as well as qualification of welding and brazing processes.

Group of products or materials, field of activity	Principle of measurement <sup>2)</sup> (characteristics, measuring ranges, type of test)	Test methods, remarks (national, international standards, in-house test methods)
Non-destructive testing Metals	Visual testing of welds  Radiographic testing with various X-ray tubes, fixed and mobile and with isotopes (Ir 192 and Se 75)	EN ISO 17637 Non-destructive testing of welds - Visual testing of fusion-welded joints  EN ISO 17636-1 Non-destructive testing of welds - Radiographic testing - Part 1: X- and gamma-ray techniques with film  EN ISO 5579 Non-destructive testing - Radiographic testing of metallic materials using film and X- or gamma rays - Basic rules  EN ISO 10675-1/-2 Non-destructive testing of welds - Acceptance levels for radiographic testing



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<b>Destructive testing</b>  Metals	Penetrant testing (color contrast or fluorescent penetrants)	EN ISO 3452-1 Non-destructive testing - Penetrant testing - Part 1: General principles  EN ISO 23277 Non-destructive testing of welds - Penetrant testing - Acceptance levels
	Tensile test at room temperature	EN ISO 4136 Destructive tests on welds in metallic materials - Transverse tensile test  EN ISO 6892-1 Metallic materials - Tensile testing - Part 1: Method of test at room temperature  EN ISO 5178 Destructive tests on welds in metallic materials — Longitudinal tensile test on weld metal in fusion welded joints
	Bend tests	EN ISO 5173 Destructive tests on welds in metallic materials - Bend tests
	Fracture tests on welds	EN ISO 9017 Destructive tests on welds in metallic materials - Fracture test
	Hardness testing Vickers	EN ISO 9015-1 Destructive tests on welds in metallic materials – Hardness testing - Part 1: Hardness test on arc welded joints  EN ISO 6507-1 Metallic materials – Vickers hardness test - Part 1: Test method
	Impact tests	EN ISO 9016 Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination  EN ISO 148-1 Metallic materials – Charpy pendulum impact test - Part 1: Test method



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<b>Welding procedure test</b>  Welded and brazed joints	Macroscopic and microscopic examination	EN ISO 17639 Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds  ISO/TR 16060 Destructive tests on welds in metallic materials — Etchants for macroscopic and microscopic examination
	NDT and DT for welding procedure test	EN ISO 15614-1,-2,-4,-5,-6,-7,-8 EN ISO 15614-11,-12 Specification and qualification of welding procedures for metallic materials - Welding procedure test  EN ISO 15613 Specification and qualification of welding procedures for metallic materials – Qualification based on pre-production welding test  EN 13134 Brazing - Procedure approval  EN 12797 Brazing. Destructive tests of brazed joints  EN 12799 Brazing. Non-destructive examination of brazed joints

In case of contradictions in the language versions of the directories, the French version shall apply.

Abbreviation	Signification
DT	Destructive Testing
NDT	Non-Destructive Testing

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