



ISO/TS 6892-5

Metallic materials — Tensile testing —

Part 5:
**Specification for testing
miniaturised test pieces**

Matériaux métalliques — Essais de traction —

Partie 5: Spécifications pour l'utilisation d'éprouvettes d'essai miniaturisées

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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The knowledge of the local strength properties and local flow curves of formed component areas becomes increasingly important for different applications. However, their determination by tensile testing is often restricted because of the possible test piece geometry, the availability of suitable testing equipment and the comparability with the results of the standard tensile tests. By using adjusted test piece geometries, suitable test piece preparation, adapted clamping and extensometer systems and finally an adjusted test procedure tensile test can be performed which gives reproducible and comparable test results.

In this document suggestions are given to perform tensile tests on miniaturised test pieces. It describes the state of the art of testing using adjusted standard testing equipment.

It is pointed out that the experimental effort (test piece preparation, adjustment and alignment of the testing equipment and also the fine motor skills) is higher than for testing of typical standard test piece geometries.