
**Destructive tests on welds in metallic
materials — Tensile test on cruciform and
lapped joints**

*Essais destructifs des soudures sur matériaux métalliques — Essai de
traction des assemblages en croix et à recouvrement*



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Foreword

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ISO 9018 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 5, *Testing and inspection of welds*.

Introduction

Requests for official interpretations of any aspect of this standard should be directed to the Secretariat of ISO/TC 44/SC 5 via your national standards body, a complete listing which can be found at www.iso.org

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Destructive tests on welds in metallic materials — Tensile test on cruciform and lapped joints

1 Scope

This International Standard specifies the sizes of test pieces and test specimens and the procedure for carrying out tensile tests in order to determine the tensile strength and the location of fracture of welded joints with transverse stressed fillet welds.

This International Standard applies to metallic materials with welded cruciform and lapped joints on plates¹⁾.

Information concerning evaluation of test results is not included in this International Standard.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 6892, *Metallic materials — Tensile testing at ambient temperature*

3 Symbols and abbreviated terms

The symbols used for the tensile tests are specified in Table 1 and Figures 1 to 5.

1) The term “plate”, alone or in combination, is used to mean “plate”, “sheet”, “extruded bar” and other solid sections.