



SLOVENSKI STANDARD
SIST EN ISO 10447:2007

01-september-2007

I dcfcj bc'j Uf'Yb'Y!'DfYg_i g'i y Yb'U]b'X'Yh'U'i dcfcj b]l 'lc _cj b]l ']b
VfUXUj] b]l 'nj Ufcj 'fGC'%'\$ (+.8\$\$* Ł

Resistance welding - Peel and chisel testing of resistance spot and projection welds (ISO 10447:2006)

Widerstandsschweißen - Schäl-, Meißel- und Keilprüfung von Widerstandspunkt- und Buckelschweißverbindungen (ISO 10447:2006)

Soudage par résistance - Essais de déboutonnage au burin et de pelage appliqués aux soudures par résistance par points et par bossages (ISO 10447:2006)

<https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007>

Ta slovenski standard je istoveten z: EN ISO 10447:2007

ICS:

25.160.40 Varjeni spoji in vari Welded joints

SIST EN ISO 10447:2007 en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 10447:2007

<https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007>

ICS 25.160.40

English Version

Resistance welding - Peel and chisel testing of resistance spot
and projection welds (ISO 10447:2006)

Soudage par résistance - Essais de déboutonnage au burin
et de pelage appliqués aux soudures par résistance par
points et par bossages (ISO 10447:2006)

Widerstandsschweißen - Schäl-, Meißel- und Keilprüfung
von Widerstandspunkt- und Buckelschweißverbindungen
(ISO 10447:2006)

This European Standard was approved by CEN on 19 May 2007.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

[SIST EN ISO 10447:2007](https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007)

<https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007>



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of ISO 10447:2006 has been prepared by IIW, International Institute of Welding, and has been taken over as EN ISO 10447:2007 by Technical Committee CEN/TC 121 "Welding" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2007, and conflicting national standards shall be withdrawn at the latest by December 2007.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Endorsement notice

The text of ISO 10447:2006 has been approved by CEN as a EN ISO 10447:2007 without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 10447:2007](https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007)

<https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007>

**Resistance welding — Peel and chisel
testing of resistance spot and projection
welds**

*Soudage par résistance — Essais de pelage et de déboutonnage au
burin appliqués aux soudures par résistance par points et par bossages*

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 10447:2007](https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007)

[https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-
8af8206e62d2/sist-en-iso-10447-2007](https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007)



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 10447:2007](https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007)

<https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007>

© ISO 2006

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 10447 was prepared by Technical Committee ISO/TC 117, *International Institute of Welding*, recognized as an international standardizing body in the field of welding in accordance with Council Resolution 42/1999.

This second edition cancels and replaces the first edition (ISO 10447:1991), which has been technically revised.

Requests for official interpretations of any aspect of this International Standard should be directed to the ISO Central Secretariat, who will forward them to the IIW Secretariat for an official response.

iTeh STANDARD PREVIEW
(standards.iteh.ai)
SIST EN ISO 10447:2007
<https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 10447:2007

<https://standards.iteh.ai/catalog/standards/sist/26034750-8e1c-48f7-af99-8af8206e62d2/sist-en-iso-10447-2007>

Resistance welding — Peel and chisel testing of resistance spot and projection welds

1 Scope

This International Standard specifies the procedure and recommended tooling to be used for testing resistance spot and projection welds by means of peel and chisel tests. It applies to welds made in two or more sheets in the thickness range of 0,5 mm to 3,0 mm.

The aim of these tests is to determine:

- weld size and failure type when the tests are used as destructive tests, and
- verification of welds when the tests are used as non-destructive tests.

NOTE In the previous edition of this International Standard, seam welds were included. The preferred method of peel testing seam welds (mechanized peel testing) is now covered in ISO 14270.

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 14270, *Specimen dimensions and procedure for mechanized peel testing resistance spot, seam and embossed projection welds*

ISO 14329, *Resistance welding — Destructive tests of welds — Failure types and geometric measurements for resistance spot, seam and projection welds*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 14329 and the following apply.

3.1

chisel test

destructive or non-destructive test in which welds are tested by applying a predominantly tensile force that results in stresses primarily normal to the surface of the joint interface

NOTE The force is applied using a chisel (see Figure 1).

3.2

peel test

destructive test in which welds are tested by applying a peel force that results in stresses primarily normal to the surface of the joint interface

NOTE The test can be accomplished either manually [see Figure 2 a)], or it can be mechanized using a tensile testing machine or other suitable mechanized equipment [see Figure 2 b)].