



# SLOVENSKI STANDARD SIST EN ISO 7539-8:2008

01-julij-2008

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## Korozija kovin in zlitin - Preskušanje napetostne korozije - 8. del: Priprava in uporaba preskušancev za ovrednotenje varjenih delov (ISO 7539-8:2000)

Corrosion of metals and alloys - Stress corrosion testing - Part 8: Preparation and use of specimens to evaluate weldments (ISO 7539-8:2000)

Korrosion der Metalle und Legierungen - Prüfung der Spannungsrissskorrosion - Teil 8: Vorbereitung und Anwendung von Proben zur Bewertung von Schweißverbindungen (ISO 7539-8:2000)

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Corrosion des métaux et alliages - Essais de corrosion sous contrainte - Partie 8: Préparation et utilisation des éprouvettes pour évaluer les assemblages soudés (ISO 7539-8:2000)

**Ta slovenski standard je istoveten z: EN ISO 7539-8:2008**

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### **ICS:**

77.060            Korozija kovin            Corrosion of metals

**SIST EN ISO 7539-8:2008**            **en**

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ICS 77.060

English Version

Corrosion of metals and alloys - Stress corrosion testing - Part  
8: Preparation and use of specimens to evaluate weldments  
(ISO 7539-8:2000)

Corrosion des métaux et alliages - Essais de corrosion  
sous contrainte - Partie 8: Préparation et utilisation des  
échantillons pour évaluer les assemblages soudés (ISO  
7539-8:2000)

Korrosion der Metalle und Legierungen - Prüfung der  
Spannungsrissskorrosion - Teil 8: Vorbereitung und  
Anwendung von Proben zur Bewertung von  
Schweißverbindungen (ISO 7539-8:2000)

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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.

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

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## Foreword

The text of ISO 7539-8:2000 has been prepared by Technical Committee ISO/TC 156 “Corrosion of metals and alloys” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 7539-8:2008 by Technical Committee CEN/TC 262 “Metallic and other inorganic coatings” the secretariat of which is held by BSI.

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 October 2008, and conflicting national standards shall be withdrawn at the latest by October 2008.

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

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 the United Kingdom.

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The text of ISO 7539-8:2000 has been approved by CEN as a EN ISO 7539-8:2008 without any modification.

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**Corrosion of metals and alloys — Stress  
corrosion testing —**

**Part 8:  
Preparation and use of specimens to  
evaluate weldments**

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*Corrosion des métaux et alliages — Essais de corrosion sous contrainte —*

*Partie 8: Préparation et utilisation des éprouvettes pour évaluer les  
assemblages soudés*

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## 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 3.

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 part of ISO 7539 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 7539-8 was prepared by Technical Committee ISO/TC 156, *Corrosion of metals and alloys*.

ISO 7539 consists of the following parts, under the general title *Corrosion of metals and alloys — Stress corrosion testing*:

- ITC1 STANDARD PREVIEW  
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- Part 1: General guidance on testing procedures
  - Part 2: Preparation and use of bent-beam specimens
  - Part 3: Preparation and use of U-bend specimens
  - Part 4: Preparation and use of uniaxially loaded tension specimens
  - Part 5: Preparation and use of C-ring specimens
  - Part 6: Preparation and use of pre-cracked specimens
  - Part 7: Slow strain rate testing
  - Part 8: Preparation and use of specimens to evaluate weldments
  - Part 9: Preparation and use of pre-cracked specimens for tests under rising load or rising displacement

Annex A of this part of ISO 7539 is for information only.

# Corrosion of metals and alloys — Stress corrosion testing —

## Part 8: Preparation and use of specimens to evaluate weldments

### 1 Scope

This part of ISO 7539 covers the procedures available for stress corrosion testing of welded specimens and examines the additional factors which must be taken into account when conducting tests on welded specimens. In particular this part of ISO 7539 gives recommendations for the choice of specimens and test procedures to determine the resistance of a metal to stress corrosion when it is welded.

The term “metal”, as used in this part of ISO 7539, includes alloys.

### 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 7539. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 7539 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 857-1:1998, *Welding and allied processes — Vocabulary — Part 1: Metal welding processes*.

ISO 7539-2:1989, *Corrosion of metals and alloys — Stress corrosion testing — Part 2: Preparation and use of bent-beam specimens*.

ISO 7539-3:1989, *Corrosion of metals and alloys — Stress corrosion testing — Part 3: Preparation and use of U-bend specimens*.

ISO 7539-4:1989, *Corrosion of metals and alloys — Stress corrosion testing — Part 4: Preparation and use of uniaxially loaded tension specimens*.

ISO 7539-5:1989, *Corrosion of metals and alloys — Stress corrosion testing — Part 5: Preparation and use of C-ring specimens*.

ISO 7539-6:—<sup>1)</sup>, *Corrosion of metals and alloys — Stress corrosion testing — Part 6: Preparation and use of pre-cracked specimens*.

ISO 7539-7:1989, *Corrosion of metals and alloys — Stress corrosion testing — Part 7: Slow strain rate testing*.

IEC 60050-851 (1991-08), *International Electrotechnical Vocabulary — Chapter 851: Electric Welding*.

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1) To be published. (Revision of ISO 7539-6:1989)