



**SLOVENSKI STANDARD**  
**oSIST prEN ISO 6892-2:2009**  
**01-julij-2009**

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**Kovinski materiali - Natezni preskus - 2. del: Metoda preskušanja pri povišani temperaturi (ISO/DIS 6892-2:2009)**

Metallische Werkstoffe - Zugversuch - Teil 2: Prüfverfahren bei erhöhter Temperatur (ISO/DIS 6892-2:2009)

Matériaux métalliques - Essai de traction - Partie 2: Méthode d'essai à température élevée (ISO/DIS 6892-2:2009)

Metallische Werkstoffe - Zugversuch - Teil 2: Prüfverfahren bei erhöhter Temperatur (ISO/DIS 6892-2:2009)

**Ta slovenski standard je istoveten z: prEN ISO 6892-2**

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**ICS:**

77.040.10 Mehansko preskušanje kovin Mechanical testing of metals

**oSIST prEN ISO 6892-2:2009**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN ISO 6892-2**

April 2009

ICS 77.040.01

Will supersede EN 10002-5:1991

English Version

## Metallic materials - Tensile testing - Part 2: Method of test at elevated temperature (ISO/DIS 6892-2:2009)

Matériaux métalliques - Essai de traction - Partie 2:  
Méthode d'essai à température élevée (ISO/DIS 6892-  
2:2009)

Metallische Werkstoffe - Zugversuch - Teil 2: Prüfverfahren  
bei erhöhter Temperatur (ISO/DIS 6892-2:2009)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee ECISS/TC 1.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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<b>Contents</b>	<b>Page</b>
Foreword.....	<b>3</b>

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## Foreword

This document (prEN ISO 6892-2:2009) has been prepared by Technical Committee ISO/TC 164 "Mechanical testing of metals" in collaboration with Technical Committee ECISS/TC 1 "Steel - Mechanical testing", the secretariat of which is held by AFNOR.

This document is currently submitted to the parallel Enquiry.

This document will supersede EN 10002-5:1991.

### Endorsement notice

The text of ISO/DIS 6892-2:2009 has been approved by CEN as a prEN ISO 6892-2:2009 without any modification.

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# DRAFT INTERNATIONAL STANDARD ISO/DIS 6892-2

ISO/TC 164/SC 1

Secretariat: **AFNOR**Voting begins on:  
**2009-04-16**Voting terminates on:  
**2009-09-16**

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

## Metallic materials — Tensile testing —

### Part 2:

## Method of test at elevated temperature

*Matériaux métalliques — Essai de traction —*

*Partie 2: Méthode d'essai à température élevée*

(Revision of ISO 783:1999)

ICS 77.040.10

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#### ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO-lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five-month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

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## ISO/DIS 6892-2

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## Contents

Page

Foreword .....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions .....	1
4 Symbols and designations .....	3
5 Principle .....	4
6 Test piece .....	4
7 Determination of original cross-sectional area ( $S_0$ ).....	4
8 Marking the original gauge length ( $L_0$ ) .....	4
9 Apparatus.....	4
10 Test conditions .....	5
11 Determination or calculation of the properties .....	8
12 Test report.....	8
13 Measurement uncertainty .....	8
14 Figures.....	8
15 Annexes.....	9
Annex A (informative) Addition to Annexes B and D of ISO 6892-1 .....	11
Annex B (informative) Measurement uncertainty .....	16

## 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 6892-2 was prepared by Technical Committee ISO/TC 164, *Metallic materials*, Subcommittee SC 1, *Uniaxial testing*.

ISO 6892 consists of the following parts, under the general title *Metallic materials — Tensile testing*:

— *Part 1: Method of test at room temperature*

— *Part 2: Method of test at elevated temperature*

— *Part 3: Method of test at low temperature*

— *Part 4: Method of test in liquid helium*

## Introduction

In this edition there are two methods of testing speeds available. The first, Method A, is based on strain rates (including crosshead separation rate) with narrow tolerances (+/- 20 %) and the second, Method B, based on conventional strain rate ranges and tolerances. Method A is intended to minimise the variation of the test rates during the moment when strain rate sensitive parameters are determined and to minimise the measurement uncertainty of the test results.

The influence of the testing speed on the tensile test properties is normally greater at elevated temperature than at room temperature.

Traditionally high temperature tensile properties have been determined at a slower strain or stressing rate than room temperature tensile tests. This revised Standard recommends the use of slow strain rates but, in addition, higher strain rates are permitted for particular applications, such as comparison with room temperature properties at the same strain rate.

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