

DIN EN ISO 12737



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Supersedes
April 1999 edition.

Metallic materials
Determination of plane-strain fracture toughness
(ISO 12737:2005)
English version of DIN EN ISO 12737

Metallische Werkstoffe – Bestimmung der Bruchzähigkeit (ebener Dehnungszustand) (ISO 12737:2005)

National foreword

This standard has been published in accordance with a decision taken by ECISS/TC 1 to adopt, without alteration, International Standard ISO 12737 as a European Standard.

The responsible German body involved in its preparation was the *Normenausschuss Materialprüfung* (Materials Testing Standards Committee), Technical Committee NMP 146 *Bruchmechanik*.

Amendments

This standard differs from the April 1999 edition, as follows:

- a) Additional specifications relating to crack-plane orientation have been included (see subclause 3.3).
- b) Subclause 8.2 'Specimen test temperature' has been included.

Previous edition

DIN EN ISO 12737: 1999-04

Document comprises 22 pages.

English version

Metallic materials

**Determination of plane-strain fracture toughness
(ISO 12737:2005)**

**Matériaux métalliques – Détermination
du facteur d'intensité de contrainte
critique (ISO 12737:2005)**

**Metallische Werkstoffe – Bestimmung
der Bruchzähigkeit (ebener Deh-
nungszustand) (ISO 12737:2005)**

This European Standard was approved by CEN on 2005-04-14.

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 Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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

Foreword

International Standard

ISO 12737:2005 Metallic materials – Determination of plane-strain fracture toughness, which was prepared by ISO/TC 164 'Mechanical testing of metals' of the International Organization for Standardization, has been adopted by Technical Committee ECISS/TC 1 'Steel – Mechanical testing', the Secretariat of which is held by AFNOR, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by February 2006 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 12737:2005 was approved by CEN as a European Standard without any modification.