



SLOVENSKI STANDARD
oSIST prEN ISO 377 rev:2012
01-junij-2012

Jeklo in jekleni izdelki - Mesto jemanja in priprava vzorcev ter preskušanci za mehansko preskušanje (ISO/DIS 377:2012)

Steel and steel products - Location and preparation of samples and test pieces for mechanical testing (ISO/DIS 377:2012)

Stahl und Stahlerzeugnisse - Lage und Vorbereitung von Probenabschnitten und Proben für mechanische Prüfungen (ISO/DIS 377:2012)

Acier et produits en acier - Position et préparation des échantillons et éprouvettes pour essais mécaniques (ISO/DIS 377:2012)

Ta slovenski standard je istoveten z: prEN ISO 377 rev

ICS:

77.040.10	Mehansko preskušanje kovin	Mechanical testing of metals
77.140.01	Železni in jekleni izdelki na splošno	Iron and steel products in general

oSIST prEN ISO 377 rev:2012

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN ISO 377 rev

April 2012

ICS 77.040.10; 77.140.01

Will supersede EN ISO 377:1997

English Version

Steel and steel products - Location and preparation of samples and test pieces for mechanical testing (ISO/DIS 377:2012)

Acier et produits en acier - Position et préparation des
échantillons et éprouvettes pour essais mécaniques
(ISO/DIS 377:2012)

Stahl und Stahlerzeugnisse - Lage und Vorbereitung von
Probenabschnitten und Proben für mechanische Prüfungen
(ISO/DIS 377:2012)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee ECISS/TC 100.

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.

This draft European Standard was established by CEN 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, 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, Turkey and United Kingdom.

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.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

Page

Foreword.....3

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 377:2013

<https://standards.iteh.ai/catalog/standards/sist/e48102a0-923b-48cf-a746-bc11dc809fd2/sist-en-iso-377-2013>

Foreword

This document (prEN ISO 377:2012) has been prepared by Technical Committee ISO/TC 17 "Steel" in collaboration with Technical Committee ECISS/TC 100 "General Issues" the secretariat of which is held by BSI.

This document is currently submitted to the parallel Enquiry.

This document will supersede EN ISO 377:1997.

Endorsement notice

The text of ISO/DIS 377:2012 has been approved by CEN as a prEN ISO 377:2012 without any modification.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN ISO 377:2013](https://standards.iteh.ai/catalog/standards/sist/e48102a0-923b-48cf-a746-bc11dc809fd2/sist-en-iso-377-2013)

<https://standards.iteh.ai/catalog/standards/sist/e48102a0-923b-48cf-a746-bc11dc809fd2/sist-en-iso-377-2013>



DRAFT INTERNATIONAL STANDARD ISO/DIS 377

ISO/TC17/SC 20

Secretariat: SIS

Voting begins on
2012-04-12

Voting terminates on
2012-09-12

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

Steel and steel products — Location and preparation of samples and test pieces for mechanical testing

Acier et produits en acier — Position et préparation des échantillons et éprouvettes pour essais mécaniques

[Revision of second edition (ISO 377:1997) and ISO 377:1997/Cor.1:1997]

ICS 77.040.10

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 377:2013

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.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Pour accélérer la distribution, le présent document est distribué tel qu'il est parvenu du secrétariat du comité. Le travail de rédaction et de composition de texte sera effectué au Secrétariat central de l'ISO au stade de publication.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENT AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

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.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 377:2013

<https://standards.iteh.ai/catalog/standards/sist/e48102a0-923b-48cf-a746-bc11dc809fd2/sist-en-iso-377-2013>

Copyright notice

This ISO document is a Draft International Standard and is copyright-protected by ISO. Except as permitted under the applicable laws of the user's country, neither this ISO draft nor any extract from it may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission being secured.

Requests for permission to reproduce should be addressed to 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

Reproduction may be subject to royalty payments or a licensing agreement.

Violators may be prosecuted.

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Definitions	1
4 General requirements	3
4.1 Representative testing	3
4.2 Identification of sample products, samples, rough specimens and test pieces	3
5 Preparation of samples and selection of test pieces	4
5.1 Selection and dimensions of samples and location of test pieces	4
5.2 Direction of axis of test pieces	4
5.3 Condition and separation of samples	4
6 Preparation of test pieces	5
6.1 Cutting and machining	5
6.2 Reference heat treatment	5
Annex A (normative) Location of samples and test pieces	6

(standards.iteh.ai)

SIST EN ISO 377:2013

<https://standards.iteh.ai/catalog/standards/sist/e48102a0-923b-48cf-a746-bc11d7809fd2/sist-en-iso-377-2013>

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 377 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 20, *General technical delivery conditions, sampling and mechanical testing methods*.

This third edition cancels and replaces the second edition (ISO 377:1997), which has been technically revised.

STANDARD PREVIEW
(standards.iteh.ai)

SIST EN ISO 377:2013

<https://standards.iteh.ai/catalog/standards/sist/e48102a0-923b-48cf-a746-b011d7809fd2/sist-en-iso-377-2013>

D
R
A
F
T

Steel and steel products — Location and preparation of samples and test pieces for mechanical testing

1 Scope

This International Standard specifies requirements for the identification, location and preparation of samples and test pieces intended for mechanical tests on steel sections, bars, rod, flat products and tubular products as defined in ISO 6929. If agreed in the order this standard may also apply to other metallic products. These samples and test pieces are for use in tests which are carried out in conformity with the methods specified in the product or material standard or, in the absence of this, in the test standard.

Where the requirements of the order or product standard differ from those given in this International Standard, then the requirements of the order or product standard apply.

2 Normative references

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

ISO 3785, *Metallic materials — Designation of test specimen axes in relation to product texture*

ISO 6929, *Steel products — Definitions and classification*

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 6929 and the following apply.

3.1 test unit

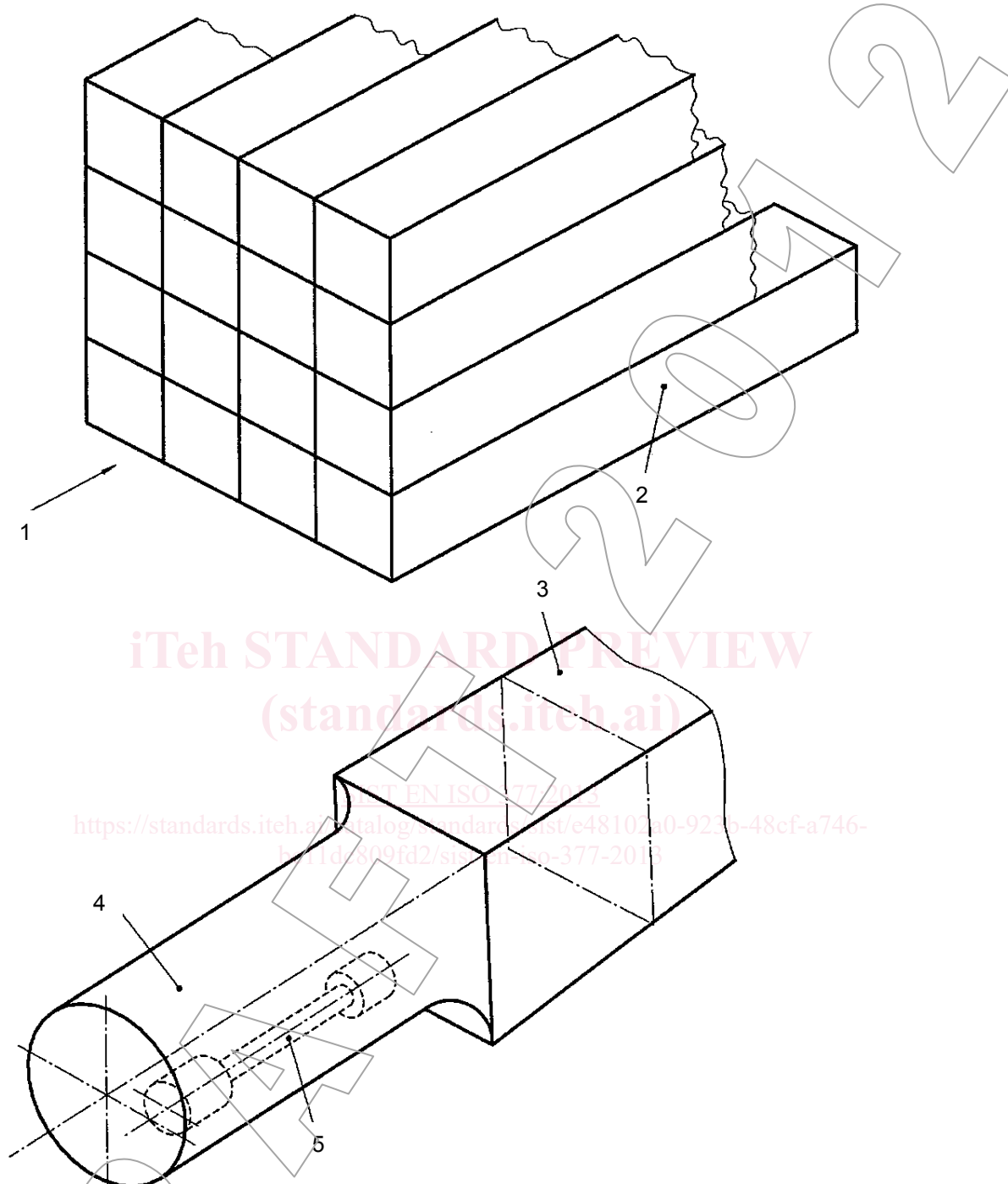
number of pieces or the tonnage of products to be accepted or rejected together, on the basis of the tests to be carried out on sample products in accordance with the requirements of the product standard or order

See Figure 1.

3.2 sample product

item (e.g. bar, sheet, coil) selected for inspection and/or testing

See Figure 1.

**Key**

- 1 test unit (3.1)
- 2 sample product (3.2)
- 3 sample (3.3)
- 4 rough specimen (3.4)
- 5 test piece (3.5)

Figure 1 — Examples of terms defined in Clause 3