



# SLOVENSKI STANDARD SIST EN ISO 15630-2:2011

01-november-2011

Nadomešča:

SIST EN ISO 15630-2:2003

---

**Jeklo za armiranje in prednapenjanje betona - Metode preskušanja - 2. del:  
Armaturne mreže (ISO 15630-2:2010)**

Steel for the reinforcement and prestressing of concrete - Test methods - Part 2: Welded fabric (ISO 15630-2:2010)

Stähle für die Bewehrung und das Vorspannen von Beton - Prüfverfahren - Teil 2:  
Geschweißte Mappen (ISO 15630-2:2010)

Aciers pour l'armature et la précontrainte du béton - Méthodes d'essai - Partie 2: Treillis soudés (ISO 15630-2:2010)

**Ta slovenski standard je istoveten z: EN ISO 15630-2:2010**

---

**ICS:**

77.140.15	Jekla za armiranje betona	Steels for reinforcement of concrete
-----------	---------------------------	--------------------------------------

**SIST EN ISO 15630-2:2011**

**en,fr,de**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 15630-2:2011](#)

<https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 15630-2**

October 2010

ICS 77.140.15

Supersedes EN ISO 15630-2:2002

English Version

## Steel for the reinforcement and prestressing of concrete - Test methods - Part 2: Welded fabric (ISO 15630-2:2010)

Aciers pour l'armature et la précontrainte du béton -  
Méthodes d'essai - Partie 2: Treillis soudés (ISO 15630-  
2:2010)

Stähle für die Bewehrung und das Vorspannen von Beton -  
Prüfverfahren - Teil 2: Geschweißte Matten (ISO 15630-  
2:2010)

This European Standard was approved by CEN on 14 October 2010.

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, 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 and United Kingdom.

[SIST EN ISO 15630-2:2011](http://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011)

<https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011>



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 15630-2:2011](https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011)

<https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011>

## Foreword

The text of ISO 15630-2:2010 has been prepared by Technical Committee ISO/TC 17 "Steel" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 15630-2:2010 by Technical Committee ECISS/TC 104 "Concrete reinforcing and prestressing steels" 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 April 2011, and conflicting national standards shall be withdrawn at the latest by April 2011.

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.

This document supersedes EN ISO 15630-2:2002.

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, 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 and the United Kingdom.

**ITEH STANDARD PREVIEW**  
**(standards.iteh.ai)**  
**Endorsement notice**

The text of ISO 15630-2:2010 has been approved by CEN as a EN ISO 15630-2:2010 without any modification.

<https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN ISO 15630-2:2011](#)

<https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011>

INTERNATIONAL  
STANDARD

ISO  
15630-2

Second edition  
2010-10-15

---

---

**Steel for the reinforcement and  
prestressing of concrete — Test  
methods —**

**Part 2:  
Welded fabric**

**iTeh STANDARD PREVIEW**  
*Aciers pour l'armature et la précontrainte du béton — Méthodes  
d'essai —  
(standards.iteh.ai)  
Partie 2: Treillis soudés*

SIST EN ISO 15630-2:2011

<https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011>



Reference number  
ISO 15630-2:2010(E)

© ISO 2010

## ISO 15630-2:2010(E)

**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 15630-2:2011](https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011)

<https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011>

**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2010

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](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland



## Contents

Page

Foreword .....	iv
Introduction.....	v
1 Scope .....	1
2 Normative references .....	1
3 Symbols.....	1
4 General provisions concerning test pieces.....	2
5 Tensile test.....	3
5.1 Test piece .....	3
5.2 Test equipment .....	3
5.3 Test procedure.....	3
6 Bend test on welded intersection .....	4
6.1 Test piece .....	4
6.2 Test equipment .....	4
6.3 Test procedure.....	5
6.4 Interpretation of test results.....	5
7 Determination of the weld shear force ( $F_s$ ).....	6
7.1 Test piece .....	6
7.2 Test equipment .....	6
7.3 Test procedure.....	11
8 Axial force fatigue test .....	11
8.1 Principle of test.....	11
8.2 Test piece .....	11
8.3 Test equipment .....	11
8.4 Test procedure.....	12
8.4.1 Provisions concerning the test piece.....	12
8.4.2 Upper force ( $F_{up}$ ) and force range ( $F_r$ ).....	12
8.4.3 Stability of force and frequency.....	12
8.4.4 Counting of force cycles.....	12
8.4.5 Frequency.....	12
8.4.6 Temperature .....	12
8.4.7 Validity of the test.....	12
9 Chemical analysis .....	12
10 Measurement of the geometrical characteristics of the fabric .....	13
10.1 Test piece .....	13
10.2 Test equipment .....	13
10.3 Test procedure.....	13
11 Test report.....	13
Bibliography.....	14

## ISO 15630-2:2010(E)

## 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 15630-2 was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 16, *Steels for the reinforcement and prestressing of concrete*.

This second edition cancels and replaces the first edition (ISO 15630-2:2002), which has been technically revised.

ISO 15630 consists of the following parts, under the general title *Steel for the reinforcement and prestressing of concrete — Test methods*:

— *Part 1: Reinforcing bars, wire rod and wire*

— *Part 2: Welded fabric*

— *Part 3: Prestressing steel*

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

[SIST EN ISO 15630-2:2011](https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011)

[https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-](https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011)

[7c6f58664d1b/sist-en-iso-15630-2-2011](https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011)

## Introduction

The aim of ISO 15630 is to provide all relevant test methods for reinforcing and prestressing steels in one standard. In that context, the existing International Standards for testing these products have been revised and updated. Some further test methods have been added.

Reference is made to International Standards on the testing of metals, in general, as they are applicable. Complementary provisions have been given if needed.

## iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN ISO 15630-2:2011](https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011)

<https://standards.iteh.ai/catalog/standards/sist/21db3fad-fb7b-40df-81f1-7c6f58664d1b/sist-en-iso-15630-2-2011>