



# SLOVENSKI STANDARD SIST EN ISO 13934-2:2014

01-april-2014

Nadomešča:

SIST EN ISO 13934-2:1999

---

**Tekstilije - Natezne lastnosti ploskovnih tekstilij - 2. del: Ugotavljanje največje sile po Grabovi metodi (ISO 13934-2:2014)**

Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method (ISO 13934-2:2014)

Textilien - Zugeigenschaften von textilen Flächengebilden - Teil 2: Bestimmung der Höchstzugkraft mit dem Grab- Zugversuch (ISO 13934-2:2014)

Textiles - Propriétés des étoffes en traction - Partie 2: Détermination de la force maximale par la méthode d'arrachement (Grab test) (ISO 13934-2:2014)

**Ta slovenski standard je istoveten z: EN ISO 13934-2:2014**

---

**ICS:**

59.080.30      Tkanine      Textile fabrics

**SIST EN ISO 13934-2:2014      en**

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

[SIST EN ISO 13934-2:2014](https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014)

<https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 13934-2**

February 2014

ICS 59.080.30

Supersedes EN ISO 13934-2:1999

English Version

## Textiles - Tensile properties of fabrics - Part 2: Determination of maximum force using the grab method (ISO 13934-2:2014)

Textiles - Propriétés des étoffes en traction - Partie 2:  
Détermination de la force maximale par la méthode  
d'arrachement (Grab test) (ISO 13934-2:2014)

Textilien - Zugeigenschaften von textilen Flächengebilden -  
Teil 2: Bestimmung der Höchstzugkraft mit dem Grab-  
Zugversuch (ISO 13934-2:2014)

This European Standard was approved by CEN on 30 December 2013.

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-CENELEC 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-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, Former Yugoslav Republic of Macedonia, 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.

[SIST EN ISO 13934-2:2014](https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014)

<https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014>



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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

**Contents**

Page

Foreword.....3

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

[SIST EN ISO 13934-2:2014](https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014)

<https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014>

## Foreword

This document (EN ISO 13934-2:2014) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with Technical Committee CEN/TC 248 "Textiles and textile products" 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 August 2014, and conflicting national standards shall be withdrawn at the latest by August 2014.

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 13934-2:1999.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 13934-2:2014 has been approved by CEN as EN ISO 13934-2:2014 without any modification.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**  
[SIST EN ISO 13934-2:2014](https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014)  
<https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014>

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

[SIST EN ISO 13934-2:2014](#)

<https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014>

INTERNATIONAL  
STANDARD

ISO  
13934-2

Second edition  
2014-02-01

---

---

**Textiles — Tensile properties of  
fabrics —**

**Part 2:  
Determination of maximum force  
using the grab method**

**iTeh STANDARD PREVIEW**  
*Textiles — Propriétés des étoffes en traction —*  
*(standards.iteh.ai)*  
*Partie 2: Détermination de la force maximale par la méthode*  
*d'arrachement (Grab test)*

[SIST EN ISO 13934-2:2014](https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014)

<https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014>



Reference number  
ISO 13934-2:2014(E)

© ISO 2014

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

[SIST EN ISO 13934-2:2014](https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014)

<https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014>



### **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2014

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested 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
<b>1 Scope.....</b>	<b>1</b>
<b>2 Normative references.....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>1</b>
<b>4 Principle.....</b>	<b>2</b>
<b>5 Sampling.....</b>	<b>2</b>
<b>6 Apparatus.....</b>	<b>2</b>
<b>7 Atmosphere for conditioning and testing.....</b>	<b>3</b>
<b>8 Preparation of test specimens.....</b>	<b>3</b>
8.1 General.....	3
8.2 Dimensions.....	4
8.3 Preparation of test specimens.....	4
8.4 Wet test specimens.....	4
<b>9 Procedure.....</b>	<b>4</b>
9.1 Gauge length.....	4
9.2 Rate of extension.....	4
9.3 Mounting of test specimens.....	4
9.4 Operation.....	4
9.5 Tests on wet test specimens.....	5
<b>10 Calculation and expression of results.....</b>	<b>5</b>
<b>11 Test report.....</b>	<b>5</b>
<b>Annex A (informative) Suggested procedure for sampling.....</b>	<b>6</b>
<b>Annex B (informative) Locations of test specimens cut from a laboratory sample.....</b>	<b>7</b>
<b>Annex C (informative) Arrangements of jaws for the grab test.....</b>	<b>8</b>
<b>Bibliography.....</b>	<b>9</b>

## ISO 13934-2:2014(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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 38, *Textiles*, Subcommittee SC 24, *Conditioning atmospheres and physical tests for textile fabrics*.

This second edition cancels and replaces the first edition (ISO 13934-2:1999), of which it constitutes a minor revision.

ISO 13934 consists of the following parts, under the general title *Textiles — Tensile properties of fabrics*:

- *Part 1: Determination of maximum force and elongation at maximum force using the strip method*
- *Part 2: Determination of maximum force using the grab method*

## Introduction

This part of ISO 13934 has been prepared in the context of several test methods for determination of certain mechanical properties of textiles using mainly tensile testing machines, e.g. tensile properties, seam tensile properties, tear properties, and seam slippage. The procedure for these standards agrees where appropriate. The results obtained by one of the methods should not be compared with those obtained by the other methods.

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

[SIST EN ISO 13934-2:2014](https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014)

<https://standards.iteh.ai/catalog/standards/sist/41510a23-e005-4dc7-8aef-7a389d38523c/sist-en-iso-13934-2-2014>