

STN	Usne Fyzikálne a mechanické skúšky Stanovenie odolnosti proti roztrhnutiu stehu (ISO 23910: 2019)	STN EN ISO 23910 79 3826
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Leather - Physical and mechanical tests - Measurement of stitch tear resistance (ISO 23910:2019)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/19

Obsahuje: EN ISO 23910:2019, ISO 23910:2019

Oznámením tejto normy sa ruší
STN EN ISO 23910 (79 3826) z augusta 2017

129536

EUROPEAN STANDARD

EN ISO 23910

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2019

ICS 59.140.30

Supersedes EN ISO 23910:2017

English Version

Leather - Physical and mechanical tests - Measurement of stitch tear resistance (ISO 23910:2019)

Cuir - Essais physiques et mécaniques - Mesurage de la
résistance à l'arrachement au point de couture (ISO
23910:2019)

Leder - Physikalische und mechanische Prüfungen -
Messung der Stichausreißkraft (ISO 23910:2019)

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EN ISO 23910:2019 (E)

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European foreword

This document (EN ISO 23910:2019) has been prepared by Technical Committee IULTCS "International Union of Leather Technologists and Chemists Societies" in collaboration with Technical Committee CEN/TC 289 "Leather" the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by January 2020, and conflicting national standards shall be withdrawn at the latest by January 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 23910:2017.

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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 23910:2019 has been approved by CEN as EN ISO 23910:2019 without any modification.

**INTERNATIONAL
STANDARD**

**ISO
23910**

IULTCS/IUP 44

Third edition
2019-06

**Leather — Physical and mechanical
tests — Measurement of stitch tear
resistance**

*Cuir — Essais physiques et mécaniques — Mesurage de la résistance à
l'arrachement au point de couture*



Reference numbers
ISO 23910:2019(E)
IULTCS/IUP 44:2019(E)

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Published in Switzerland

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IULTCS/IUP 44:2019(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).

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

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by the Physical Test Commission of the International Union of Leather Technologists and Chemists Societies (IUP Commission, IULTCS), in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 289, *Leather*, the secretariat of which is held by UNI, in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

It is based on IUP 44, originally published in *J. Soc. Leather Trades Chemists*, **84**, p. 409: 2000, and declared an official method of the IULTCS in 2001.

IULTCS, originally formed in 1897, is a world-wide organization of professional leather societies to further the advancement of leather science and technology. IULTCS has three Commissions, which are responsible for establishing international methods for the sampling and testing of leather. ISO recognizes IULTCS as an international standardizing body for the preparation of test methods for leather.

This third edition cancels and replaces the second edition (ISO 23910:2017), which has been technically revised with the following changes:

- the wording of [6.1](#) and [6.2](#) has been modified to remove possible misunderstanding regarding the conditioning of samples.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Leather — Physical and mechanical tests — Measurement of stitch tear resistance

1 Scope

This document specifies a method for determining the stitch tear resistance of leather. It can be used on all leathers but is particularly suitable for leathers over 1,2 mm in thickness.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2418, *Leather — Chemical, physical and mechanical and fastness tests — Sampling location*

ISO 2419:2012, *Leather — Physical and mechanical tests — Sample preparation and conditioning*

ISO 2589, *Leather — Physical and mechanical tests — Determination of thickness*

ISO 7500-1:2018, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*

EN 15987, *Leather — Terminology — Key definitions for the leather trade*

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