

STN	Dopravné pásy Adhézia medzi konštrukčnými prvkami Skúšobné metódy (ISO 252: 2023)	STN EN ISO 252 26 0390
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Conveyor belts - Adhesion between constitutive elements - Test methods (ISO 252:2023)

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. 06/23

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English Version

Conveyor belts - Adhesion between constitutive elements - Test methods (ISO 252:2023)

Courroies transporteuses - Adhérence entre éléments
constitutifs - Méthodes d'essai (ISO 252:2023)

Fördergurte - Lagenhaftung zwischen den
Bestandteilen - Prüfverfahren (ISO 252:2023)

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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EN ISO 252:2023 (E)

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European foreword

This document (EN ISO 252:2023) has been prepared by Technical Committee ISO/TC 41 "Pulleys and belts (including veebelts)" in collaboration with Technical Committee CEN/TC 188 "Conveyor belts" the secretariat of which is held by SNV.

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of an identical text or by endorsement, at the latest by September 2023, and conflicting national standards shall be withdrawn at the latest by September 2023.

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.

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Endorsement notice

The text of ISO 252:2023 has been approved by CEN as EN ISO 252:2023 without any modification.

INTERNATIONAL STANDARD

ISO 252

Fourth edition
2023-03

Conveyor belts — Adhesion between constitutive elements — Test methods

*Courroies transporteuses — Adhérence entre éléments constitutifs —
Méthodes d'essai*



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ISO 252:2023(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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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 Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 3, *Conveyor belts*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 188, *Conveyor belts*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 252:2007), which has been technically revised.

The main changes are as follows:

- former [Figure 1](#) was deleted;
- the requirements regarding autographic record of force have been modified (see [7.1](#) and [7.2](#));
- the sentence “Such a separation should be noted, but should not be considered as representative of the adhesion strength.” was deleted (former [6.1](#) and [6.2](#)).

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.

Conveyor belts — Adhesion between constitutive elements — Test methods

1 Scope

This document specifies two test methods, A and B, for determining the adhesion strength between constitutive elements of a conveyor belt, i.e. between plies and between covers and carcass. Basic test conditions are in conformity with ISO 36.

It is applicable to all types of construction of conveyor belting with the exception of belts containing steel cord reinforcement, and textile-reinforced belts with a full-thickness tensile strength of less than 160 N/mm. It is not suitable or valid for light conveyor belts as described in ISO 21183-1^[1].

NOTE Methods A and B are alternative options, but the mean adhesive force values calculated for the two methods can be different. Also, as both methods might not be equally suitable for all belt constructions, it is advisable that the advice of the belt manufacturer be sought.

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 36, *Rubber, vulcanized or thermoplastic — Determination of adhesion to textile fabrics*

ISO 6133, *Rubber and plastics — Analysis of multi-peak traces obtained in determinations of tear strength and adhesion strength*

ISO 18573, *Conveyor belts — Test atmospheres and conditioning periods*

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