SLOVENSKI STANDARD

SIST EN ISO 252:2008

01-maj-2008

Naprave za kontinuirni transport - Trakovi traļ nih transporterjev - Sprijetost osnovnih sestavnih elementov - Preskusne metode (ISO 252:2007)

Conveyor belts - Adhesion between constitutive elements - Test methods (ISO 252:2007)

Fördergurte - Lagenhaftung zwischen den Bestandteilen - Prüfverfahren (ISO 252:2007)

Courroies transporteuses - Adhérence entre éléments constitutifs - Méthodes d'essai (ISO 252:2007)

Ta slovenski standard je istoveten z: **EN ISO 252:2007**

ICS:

53.040.20

SIST EN ISO 252:2008 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 252

June 2007

ICS 53.040.20

Supersedes EN ISO 252-1:1999

English Version

Conveyor belts - Adhesion between constitutive elements - Test methods (ISO 252:2007)

Courroies transporteuses - Adhérence entre éléments constitutifs - Méthodes d'essai (ISO 252:2007)

Fördergurte - Lagenhaftung zwischen den Bestandteilen - Prüfverfahren (ISO 252:2007)

This European Standard was approved by CEN on 23 May 2007.

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, 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.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Ref. No. EN ISO 252:2007: E

Foreword

This document (EN ISO 252:2007) 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 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 December 2007, and conflicting national standards shall be withdrawn at the latest by December 2007.

This document supersedes EN ISO 252-1:1999.

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, 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.

Endorsement notice

The text of ISO 252:2007 has been approved by CEN as EN ISO 252:2007 without any modifications.

INTERNATIONAL STANDARD

ISO 252

Third edition
2007-06-15

Conveyor belts — Adhesion between constitutive elements — Test methods

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

Reference number
ISO 252:2007(E)

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

Published in Switzerland

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 252 was prepared by Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 3, *Conveyor belts*.

This third edition of ISO 252 cancels and replaces ISO 252-1:1999, of which it constitutes a technical revision. It also incorporates the Technical Corrigendum, ISO 252-1:1999/Cor. 1:2006.

Conveyor belts — Adhesion between constitutive elements — Test methods

1 Scope

This International Standard 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 referenced documents are indispensable for the application 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*

3 Principle

The mean force required to strip the covers from the carcass, and also each ply from the next, is determined using a constant rate of traverse machine.

4 Apparatus

Suitable power-driven tensile testing machine, conforming to ISO 36.

5 Test pieces

5.1 Time between manufacture and test

The time between completion of production and the commencement of testing shall be not less than 24 h; this period shall include the conditioning periods given in 5.5.