
Naprave za kontinuirni transport - Trakovi tračnih transporterjev s tekstilnim vložkom - Tolerance celotne debeline in debeline oblog - Neposredna merilna metoda (ISO/DIS 583:2005)

Conveyor belts with a textile carcass - Tolerances on total thickness and thickness of covers - Direct measurement method (ISO/DIS 583:2005)

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February 2005

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Will supersede EN ISO 583-1:1999

English version

Conveyor belts with a textile carcass - Tolerances on total thickness and thickness of covers - Direct measurement method (ISO/DIS 583:2005)

Courroies transporteuses à carcasse textile - Epaisseur totale de la courroie et épaisseur des éléments - Méthodes d'essai (ISO/DIS 583:2005)

This draft European Standard is submitted to CEN members for parallel enquiry. It has been drawn up by the Technical Committee CEN/TC 188.

If this draft becomes a European Standard, 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.

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

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Foreword

This document (prEN ISO 583:2005) 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 document is currently submitted to the parallel Enquiry.

This document will supersede EN ISO 583-1:1999.

Endorsement notice

The text of ISO 583:2005 has been approved by CEN as prEN ISO 583:2005 without any modifications.

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DRAFT INTERNATIONAL STANDARD ISO/DIS 583

ISO/TC 41/SC 3

Secretariat: **BSI**

Voting begins on:
2005-02-03

Voting terminates on:
2005-07-03

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Conveyor belts with a textile carcass — Total belt thickness and thickness of elements — Test methods

Courroies transporteuses à carcasse textile — Épaisseur totale de la courroie et épaisseur des éléments — Méthodes d'essai

[Revision of second edition (ISO 583:1990) and ISO 583-1:1999]

ICS 53.040.20

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The CEN Secretary-General has advised the ISO Secretary-General that this ISO/DIS covers a subject of interest to European standardization. **In accordance with the ISO-lead mode of collaboration as defined in the Vienna Agreement, consultation on this ISO/DIS has the same effect for CEN members as would a CEN enquiry on a draft European Standard.** Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month FDIS vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

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Foreword

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

This third edition of ISO 583 cancels and replaces ISO 583:1990 and ISO 583-1:1999 of which it constitutes a technical revision.

Conveyor belts with a textile carcass — Total belt thickness and thickness of elements — Test methods

1 Scope

This International Standard specifies methods of test for the total thickness and the thickness of covers of conveyor belts having a textile carcass. It also specifies methods for the determination of carcass thickness and interlayer thickness.

This International Standard is not suitable or valid for light conveyor belts as described in ISO 21183-1^[1].

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 4648:1991, *Rubber, vulcanised or thermoplastic — Determination of dimensions of test pieces and products for test purposes*

3 Determination of total belt thickness

3.1 Apparatus

A dial gauge micrometer, graduated at least every 0,1 mm, with flat feet, a circular foot 10 mm in diameter, and exerting a pressure of (22 ± 5) kPa on the test piece, or of (10 ± 2) kPa according to the material, and as specified in ISO 4648.

3.2 Test piece

Either test piece 1 or test piece 2, as follows, shall be used.

Test piece 1: cut a rectangular piece of full width belt, with a length of 50 mm as shown in Figure 1.

Test piece 2: cut a wedge shaped piece of full width belt, as shown in Figure 2.

Dimensions in millimetres

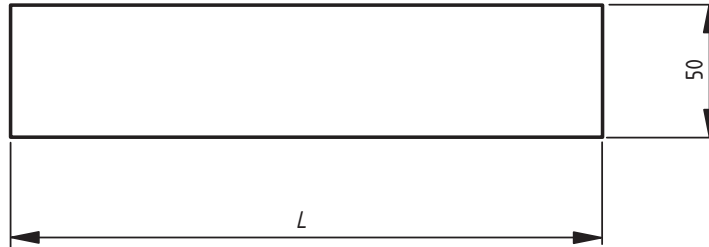


Figure 1 — Test piece 1 (rectangular)

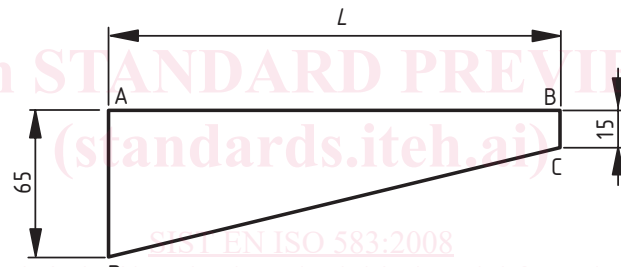


Figure 2 — Test piece 2 (wedge shaped)

3.3 Measurement points

The measurement points shall be spaced equidistantly along the long axis of the test piece (i.e. the belt width) as shown in Figure 3.