SLOVENSKI STANDARD
oSIST prEN ISO 14890:2025

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Naprave za kontinuirni transport - Zahteve za tračne transportne trakove iz tekstila z gumeno ali plastično oblogo za splošno uporabo (ISO/DIS 14890:2025)

Conveyor belts - Specification for rubber- or plastics covered conveyor belts of textile construction for general use (ISO/DIS 14890:2025)

Fördergurte- Anforderungen an Textilfördergurte mit Gummi oder Kunststoff-Deckplatten für allgemeine Anwendungen (ISO/DIS 14890:2025)

Courroies transporteuses - Spécification pour courroies transporteuses recouvertes de caoutchouc ou de plastique à structure textile, d'usage général (ISO/DIS 14890:2025)

Ta slovenski standard je istoveten z: **prEN ISO 14890**

ICS:

53.040.20	Deli za transporterje	Components for conveyors

oSIST prEN ISO 14890:2025 **en,fr,de**

DRAFT International Standard

ISO/DIS 14890

Conveyor belts — Specification for rubber- or plastics-covered conveyor belts of textile construction for general use

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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* .

This third edition cancels and replaces the second edition (ISO14890:2013), which has been technically revised and minor editorial revised.

The main changes are as follows:

— Remove code letter G and its correspondent yarn of Glass from Table 1;

— Revise longitudinal joints numbers of Table 7;

— Include more tensile strength categories into Table 8 ;

A list of all parts in the ISO 14890 series can be found on the ISO website.

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.

Introduction

In the preparation of this International Standard, consideration has been given to the work of ISO Technical Committee ISO/TC41/SC3, and the following International Standards for conveyor belts have been followed as closely as possible:

— ISO 251;

— ISO 252;

— ISO 282;

— ISO 283;

— ISO 433;

— ISO 583;

— ISO 703.

Conveyor belts — Specification for rubber- or plastics-covered conveyor belts of textile construction for general use

1 Scope

This document specifies requirements for rubber and/or plastics covered conveyor belting of textile construction for general surface use on flat or troughed idlers.

This document is not suitable or valid for light conveyor belts as described in ISO 21183-1.

Items that are not requirements of this document, but need to be agreed between the manufacturer and the purchaser, are included in Annex A.

A list of the details intended to be supplied by the purchaser of belting with an enquiry is given in Annex B.

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 37, *Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties*

ISO 188, *Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests*

ISO 252, *Conveyor belts — Adhesion between constitutive elements — Test methods*

ISO 282, *Conveyor belts — Sampling*

ISO 283, *Textile conveyor belts — Full thickness tensile strength, elongation at break and elongation at the reference load — Test method*

ISO 583, *Conveyor belts with a textile carcass — Total belt thickness and thickness of constitutive elements — Test methods*

ISO 703, *Conveyor belts — Transverse flexibility (troughability) — Test method*

ISO 4649, *Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device*

ISO 10247, *Conveyor belts — Characteristics of covers — Classification*

ISO 16851, *Textile conveyor belts — Determination of the net length of an endless (spliced) conveyor belt*

EN 12882, *Conveyor belting for general purpose use — Electrical and flammability safety requirements*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
tensile strength
greatest measured force during the tensile test divided by the width of the test piece

Note 1 to entry: It is expressed in newton per milimetre (N/mm).

3.2
reference force
10 % of the nominal tensile strength in the longitudinal direction multiplied by the width of the test piece in millimetres

Note 1 to entry: It is expressed in Newton.

EXAMPLE

Nominal tensile strength = 1 600 N/mm;

reference force = 160 N/mm;

reference force for 25 mm test piece = 25 mm × 160 N/mm = 4 000 N.

3.3
slab belt
conveyor belt made in wide widths and long lengths for subsequent slitting and cutting into narrower widths and shorter lengths to suit individual conveyor installations

3.4
solid woven belt
conveyor belt consisting of a carcass of more than one ply, the plies being interlocked in the weave or bound together by binding threads in the course of weaving

3.5
mono-ply belt
conveyor belt with a carcass consisting of one ply of woven textile fabric

3.6
duo-ply belt
conveyor belt with a carcass consisting of two plies of woven textile fabric, bonded together by an intermediate layer of elastomer of sufficient thickness to allow the incorporation of a tension element in the joint

3.7
multi-ply belt
conveyor belt with a carcass of two or more plies of woven textile fabric, the adjacent plies being bonded together by an intermediate layer of elastomer

3.8
primary yarn
load carrying yarn that contributes more than 50 %of the tensile strength

3.9
secondary yarn
load carrying yarn that contributes less than 50 %of the tensile strength

4 Designation

4.1 Belting designation

Belting is designated by reference to the following conveyor belt characteristics:

a) a reference to this International Standard, i.e. ISO 14890;

b) the required length, in metres;