



**International
Standard**

ISO 14890

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

*Courroies transporteuses — Spécification pour courroies
transporteuses recouvertes de caoutchouc ou de plastique à
structure textile, d'usage général*

**Third edition
2026-02**

Sample Document

get full document from standards.iteh.ai

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© ISO 2026

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Designation	2
4.1 Belting designation.....	2
4.2 Examples for ordering.....	3
5 Construction	4
6 Length	5
7 Width	5
8 Rubber cover	6
9 Tolerances on total belt thickness and cover thickness	7
9.1 Tolerance on total belt thickness.....	7
9.2 Tolerance on cover thickness.....	7
10 Transverse fabric joints in multi-ply belting	7
10.1 General.....	7
10.2 Outer plies.....	7
10.3 Inner plies.....	8
10.4 Adjacent plies and non-adjacent plies.....	8
10.5 Joints in the same ply.....	8
10.6 Mono-ply, duo-ply and solid woven belting.....	8
11 Longitudinal fabric joints in multi-ply belting and duo-ply belting	8
11.1 Spacing of joints.....	8
11.2 Number of joints.....	8
12 Longitudinal fabric or carcass joints in solid woven and mono-ply belting	8
13 Elongation	8
14 Full thickness tensile strength	8
15 Adhesion	9
16 Troughability	9
17 Sampling	10
18 Identification	10
Annex A (informative) Items to be agreed upon between the manufacturer and purchaser	11
Annex B (informative) Helpful information to be supplied by the purchaser	12
Bibliography	14

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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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 Technical Committee ISO/TC41 *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 third edition cancels and replaces the second edition (ISO 14890:2013), which has been technically revised and minor editorial revised.

The main changes are as follows:

- Remove code letter G and its correspondent yarn from [Table 5](#);
- Revise maximum number of longitudinal joints of [Table 11](#);
- Include more tensile strength categories in [Table 12](#);

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 document, 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.

Items that are not requirements of this document, but must 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](#).

Sample Document

get full document from standards.iteh.ai

Sample Document

get full document from standards.iteh.ai

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

1 Scope

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

This document is not applicable to light conveyor belts as described in ISO 21183-1.

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 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 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 millimetre (N/mm).