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Irish Standard
I.S. EN ISO 15236-1:2016

Steel cord conveyor belts - Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use (ISO 15236-1:2016)

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National Foreword

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NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 15236-1

November 2016

ICS 53.040.20

Supersedes EN ISO 15236-1:2005

English Version

Steel cord conveyor belts - Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use (ISO 15236-1:2016)

Courroies transporteuses à câbles d'acier - Partie 1: Exigences de conception, de dimensions et mécaniques des courroies transporteuses à usage général (ISO 15236-1:2016)

Stahlseilfördergurte - Teil 1: Aufbau, Maße und mechanische Anforderungen an Fördergurte für allgemeine Einsatzbedingungen (ISO 15236-1:2016)

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European foreword **3**

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European foreword

This document (EN ISO 15236-1:2016) 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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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INTERNATIONAL STANDARD

ISO 15236-1

Second edition
2016-10-15

Steel cord conveyor belts —

Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use

Courroies transporteuses à câbles d'acier —

Partie 1: Exigences de conception, de dimensions et mécaniques des courroies transporteuses à usage général

Reference number
ISO 15236-1:2016(E)

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Foreword

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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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The committee responsible for this document is ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 3, *Conveyor belts*.

This second edition cancels and replaces the first edition (ISO 15236-1:2005), of which it constitutes a minor revision.

ISO 15236 consists of the following parts, under the general title *Steel cord conveyor belts*:

— *Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use*

— *Part 2: Preferred belt types*

— *Part 3: Special safety requirements for belts for use in underground installations*

— *Part 4: Vulcanized belt joints*

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Steel cord conveyor belts —

Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use

1 Scope

This part of ISO 15236 specifies the performance and constructional requirements applicable to conveyor belts having steel cords in the longitudinal direction as reinforcement. The requirements for construction given in Clause 6 apply to the design of single belts, as well as the design of complete type series such as those covered in ISO 15236-2.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 284, *Conveyor belts — Electrical conductivity — Specification and test method*

ISO 340, *Conveyor belts — Laboratory scale flammability characteristics — Requirements and 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 7590, *Steel cord conveyor belts — Methods for the determination of total thickness and cover thickness*

ISO 7622-2, *Steel cord conveyor belts — Longitudinal traction test — Part 2: Measurement of tensile strength*

ISO 7623, *Steel cord conveyor belts — Cord-to-coating bond test — Initial test and after thermal treatment*

ISO 8094, *Steel cord conveyor belts — Adhesion strength test of the cover to the core layer*

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

ISO 15236-2, *Steel cord conveyor belts — Part 2: Preferred belt types*

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

EN 13827, *Steel cord conveyor belts — Determination of the lateral and vertical displacement of steel cords*

3 Terms and definitions

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

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