
**Conveyor belts — Determination of
strength of mechanical fastenings —
Static test method**

*Courroies transporteuses — Détermination de la résistance des
assemblages agrafés — Méthode d'essai statique*

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Reference number
ISO 1120:2012(E)

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Published in Switzerland

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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.

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 1120 was prepared by Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 3, *Conveyor belts*.

This fourth edition cancels and replaces the third edition (ISO 1120:2002), of which it constitutes a minor revision.

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Conveyor belts — Determination of strength of mechanical fastenings — Static test method

1 Scope

This International Standard specifies a static test method for measuring the strength of a conveyor belt mechanical fastening; the mechanical joints can be either of the type employing a connecting rod or of a type which does not employ a connecting rod.

This International Standard does not cover vulcanized joints.

This International Standard is neither applicable to nor valid for light conveyor belts, as described in ISO 21183-1.

NOTE The purpose of the test specified in this International Standard is to eliminate mechanical fastenings of insufficient static strength. It is intended to establish a dynamic test at a later date.

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

3 Terms and definitions

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

3.1

width of fastening

number of units multiplied by the pitch, or number of hooks multiplied by the pitch

3.2

pitch

distance between a point on a unit or hook and the corresponding point on the next unit or hook, according to the type of fastening

See Figure 1.