



NSAI
Standards

Irish Standard

I.S. EN ISO 9554:2010 (SEPTEMBER 2010)

Fibre ropes - General specifications (ISO 9554:2010)

I.S. EN ISO 9554:2010 (SEPTEMBER 2010)

Incorporating amendments/corrigenda issued since publication:

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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Correction Notice

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Brussels, 2010-09-22

With reference to the above, please include the following minor editorial correction(s) in the document related to:

the following language version(s) :

- ☒ English
- ☒ French
- ☐ German

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- ☐ PQ/UQ
- ☐ Enquiry
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- ☐ UAP
- ☐ TC Approval
- ☐ 2nd TC Approval
- ☐ Publication
- ☒ Parallel Publication (☒ ISO/ ☐ CEN Lead)

MHT

It has been brought to our attention that this document, issued on 2010-08-15 (CEN Standards Publications Weekly Output Reference 2010/08/III) requires modification.

The DOP and DOW in the Foreword should read February 2011 and not February 2010.

Please find enclosed the updated English and French versions.

We apologise for any inconvenience this may cause.

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English Version

Fibre ropes - General specifications (ISO 9554:2010)

Cordages en fibres - Spécifications générales (ISO 9554:2010)

Faserseile - Allgemeine Festlegungen (ISO 9554:2010)

This European Standard was approved by CEN on 14 August 2010.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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Foreword

This document (EN ISO 9554:2010) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with Technical Committee CEN/TC 248 "Textiles and textile products" the secretariat of which is held by BSI.

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 February 2011, and conflicting national standards shall be withdrawn at the latest by February 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 9554:2005.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of ISO 9554:2010 has been approved by CEN as a EN ISO 9554:2010 without any modification.

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I.S. EN ISO 9554:2010
**INTERNATIONAL
STANDARD**

**ISO
9554**

Third edition
2010-08-15

Fibre ropes — General specifications

Cordages en fibres — Spécifications générales



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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 9554 was prepared by Technical Committee ISO/TC 38, *Textiles*.

This third edition cancels and replaces the second edition (ISO 9554:2005), which has been technically revised.

Fibre ropes — General specifications

1 Scope

This International Standard specifies the general characteristics of fibre ropes and their constituent materials. It is intended to be used in conjunction with the standards for the individual types of fibre rope, which cover the physical properties and specific requirements for that particular product type.

This International Standard also gives some information on the use of fibre ropes and also on their inspection and retirement criteria.

This International Standard does not intend to address all of the safety matters associated with its use. It is the responsibility of the user to select a rope type of the size and with the physical properties to meet the requirements of the application and to determine the applicability of regulatory limitations prior to its use.

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 1140, *Fibre ropes — Polyamide — 3-, 4- and 8-strand ropes*

ISO 1141, *Fibre ropes — Polyester — 3-, 4- and 8-strand ropes*

ISO 1968, *Fibre ropes and cordage — Vocabulary*

ISO 2307, *Fibre ropes — Determination of certain physical and mechanical properties*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1968 apply.

4 Manufacture

4.1 Constituent materials

The following materials are considered in this International Standard:

a) natural fibres:

- sisal;
- manila;
- hemp;

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