

Steel wire and wire products - Steel wire for ropes - Part 1: General requirements

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 10264-1:2002 sisaldab Euroopa standardi EN 10264-1:2002 ingliskeelset teksti. Käesolev dokument on jõustatud 06.08.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 10264-1:2002 consists of the English text of the European standard EN 10264-1:2002. This document is endorsed on 06.08.2002 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This part of this European Standard defines the general requirements for wire intended for mechanical ropes. Additional requirements are given in the following parts of this standard, which are specific to each category of wire. This standard specifies - dimensional tolerances - mechanical characteristics - requirements relating to the chemical composition of the steel wire - conditions to be satisfied by any coating.	Scope: This part of this European Standard defines the general requirements for wire intended for mechanical ropes. Additional requirements are given in the following parts of this standard, which are specific to each category of wire. This standard specifies - dimensional tolerances - mechanical characteristics - requirements relating to the chemical composition of the steel wire - conditions to be satisfied by any coating.
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Võtmesõnad: acceptance, cables : ropes, circular form, measurement, sampling, specification (, specifications, steel products, steel wires, steels, steel-wire ropes, strength of materials, tensile strength, tolerances, tolerances (measurement), wire rope, wire ropes, wires

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ICS 77.140.65

English version

Steel wire and wire products

Steel wire for ropes

Part 1: General requirements

Fils et produits tréfilés en acier – Fils
pour câbles – Partie 1: Prescriptions
générales

Stahldraht und Drahterzeugnisse –
Stahldraht für Seile – Teil 1:
Allgemeine Anforderungen

This European Standard was approved by CEN on 2002-01-20.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

The European Standards exist 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

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Foreword

This document (EN 10264-1:2002) has been prepared by Technical Committee ECISS/TC 30 "Steel wires", 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 September 2002, and conflicting national standards shall be withdrawn at the latest by September 2002.

This European Standard for wire for ropes is made up of the following parts:

Part 1 : General requirements

Part 2 : Cold drawn non alloy steel wire for ropes for general applications

Part 3 : Cold drawn and cold shaped non alloy steel wire for high duty applications

Part 4 : Stainless steel wire

Annex A is informative.

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

1 Scope

This part of this European Standard defines the general requirements for wire intended for mechanical ropes. Additional requirements are given in the following parts of this standard, which are specific to each category of wire.

This standard specifies

- dimensional tolerances
- mechanical characteristics
- requirements relating to the chemical composition of the steel wire
- conditions to be satisfied by any coating.

2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 10021, *General technical delivery requirements for steel and iron products.*

EN 10204, *Metallic products — Types of inspection documents.*

EN 10264-2, *Steel wire and wire products — Steel wire for ropes — Part 2: Cold drawn non alloy steel wire for ropes for general applications.*

prEN 10264-3, *Steel wire and wire products — Steel wire for ropes — Part 3: Cold drawn and cold shaped non alloy steel wire for high duty applications.*

prEN 10264-4, *Steel wire and wire products — Steel wire for ropes — Part 4: Stainless steel wire.*

EN 10218-1, *Steel wire and wire products — General — Part 1: Test methods.*

EN 10218-2, *Steel wire and wire products — General — Part 2: Wire dimensions and tolerances.*

EN 10244-2, *Steel wire and wire products — Non ferrous metallic coatings on steel wire — Part 2: Zinc or zinc alloy coatings.*

3 Terms and definitions

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

3.1

nominal diameter d

expressed in millimetres and specified by the purchaser is used to designate the wire. It is the basis for the determination of the values of all the characteristics of the wire for acceptance purposes

3.2

actual diameter

arithmetic mean of the perpendicular measurements on one section, in accordance with EN 10218-1