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NSAI Standards

Irish Standard
I.S. EN 10264-2:2012

Steel wire and wire products - Steel wire for ropes - Part 2: Cold drawn non alloy steel wire for ropes for general applications

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I.S. EN 10264-2:2012

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NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie

W **NSAI.ie**

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 10264-2

January 2012

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Supersedes EN 10264-2:2002

English Version

Steel wire and wire products - Steel wire for ropes - Part 2: Cold drawn non alloy steel wire for ropes for general applications

Fils et produits tréfilés en acier - Fils pour câbles - Partie 2: Fils écrouis à froid par tréfilage en acier non allié pour câbles d'usages courants

Stahldraht und Drahterzeugnisse - Stahldraht für Seile - Teil 2: Kaltgezogener Draht aus unlegiertem Stahl für Seile für allgemeine Verwendungszwecke

This European Standard was approved by CEN on 19 November 2011.

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Foreword

This document (EN 10264-2:2012) has been prepared by Technical Committee ECISS/TC 106 “Wire rod and wires”, the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by July 2012, and conflicting national standards shall be withdrawn at the latest by July 2012.

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 10264-2:2002.

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: Round and shaped non alloyed steel wire for high duty applications*

— *Part 4: Stainless steel wire*

This European Standard has been technically revised to incorporate the following changes:

a) additional standards have been referenced for manufacturing the drawn wires (see Clause 4);

b) the purity of the zinc coating of the drawn wire has been specified according the relevant EN 1179 (see Clause 4);

c) other tensile strength grades than those given in Table 1, have been allowed subject to an agreement between supplier and user at the time of order (see 5.1);

d) other wires than those given in Table 1, have been allowed subject to an agreement between the customer and the supplier at the time of order (see 5.2);

e) new values have been given in Table 2 "Requirements for mechanical characteristics of wire".

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, Turkey and the United Kingdom.

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1 Scope

This part of this European Standard defines cold drawn non alloy steel wire used for the manufacture of:

— ropes for general applications and lifts;

— ropes for applications for which there is no specific EN standard.

This part of this European Standard does not apply to steel wire taken from manufactured ropes.

This part of this European Standard specifies the following for cold drawn non alloy steel wire for ropes for general applications:

— dimensional tolerances;

— mechanical characteristics;

— requirements relating to the chemical composition of the steel wire;

— conditions to be satisfied by any coating.

In addition to the requirements of this part of this European Standard, the requirements of EN 10264-1 also apply.

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.

EN 1179, *Zinc and zinc alloys — Primary zinc*

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

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

EN 10264-1, *Steel wire and wire products — Steel wire for ropes — Part 1: General requirements*

EN ISO 16120-1:2011, *Non-alloy steel wire rod for conversion to wire - Part 1: General requirements (ISO 16120-1:2011)*

EN ISO 16120-2:2011, *Non-alloy steel wire rod for conversion to wire - Part 2: Specific requirements for general-purpose wire rod (ISO 16120-2:2011)*

EN ISO 16120-4:2011, *Non-alloy steel wire rod for conversion to wire - Part 4: Specific requirements for wire rod for special applications (ISO 16120-4:2011)*

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