

Steel wire and wire products - Hose reinforcement wire

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 10324:2004 sisaldab Euroopa standardi EN 10324:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 10324:2004 consists of the English text of the European standard EN 10324:2004.</p> <p>This document is endorsed on 23.11.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: This European standard specifies the composition, dimensions and mechanical properties of high carbon steel wire for reinforcing high pressure hoses. It is applicable to wire used as a multiple parallel wire braided or spirally wrapped reinforcement in a rubber or synthetic hose which is made to withstand relatively high bursting pressure</p>	<p>Scope: This European standard specifies the composition, dimensions and mechanical properties of high carbon steel wire for reinforcing high pressure hoses. It is applicable to wire used as a multiple parallel wire braided or spirally wrapped reinforcement in a rubber or synthetic hose which is made to withstand relatively high bursting pressure</p>
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ICS

English version

Steel wire and wire products - Hose reinforcement wire

Fils et produits tréfilés en acier - Fil d'armature pour
flexiblesStahldraht und Drahterzeugnisse -
Schlaucharmierungsdraht

This European Standard was approved by CEN on 1 July 2004.

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 Central Secretariat or to any CEN member.

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 Central Secretariat has the same status as the official versions.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This document (EN 10324:2004) has been prepared by Technical Committee ECISS/TC 30 "Steel wire", 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 March 2005, and conflicting national standards shall be withdrawn at the latest by March 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This document specifies the composition, dimensions and mechanical properties of high carbon steel wire for reinforcing high pressure hoses. It is applicable to wire used as a multiple parallel wire braided or spirally wrapped reinforcement in a rubber or synthetic hose which is made to withstand relatively high bursting pressure.

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 10002-1, *Metallic materials — Tensile testing — Part 1: Method of test at ambient temperature*

EN 10016-1, *Non-alloy steel rod for drawing and/or cold rolling — Part 1: General requirements*

EN 10016-2, *Non-alloy steel rod for drawing and/or cold rolling — Part 2: Specific requirements for general purposes rod*

EN 10016-4, *Non-alloy steel rod for drawing and/or cold rolling — Part 4: Specific requirements for rod for special applications*

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

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

EN 10218-1:1994, *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 10244-1, *Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 1: General principles*

EN 10244-6, *Steel wire and wire products – Non-ferrous metallic coatings on steel wire – Part 6: Copper, bronze or brass coatings*

CR 10261, *ECISS Information Circular 11 – Iron and steel – Review of available methods of chemical analysis*

3 Terms and definitions

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

3.1
nominal diameter: d
value of the diameter, expressed in millimetres, by which the wire is designated and specified by the purchaser

NOTE This is the basis on which the values of all relevant characteristics are determined for the acceptance of the wire

3.2
actual diameter
arithmetic mean of two measurements of the diameter at right angles determined at any cross-section