

**Terastraat ja traattooted piirete
valmistamiseks. Osa 4: Terastraadist
keevitatud võrkpiire**

Steel wire and wire products for fences - Part 4:
Steel wire welded mesh fencing

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 10223-4:2000 sisaldab Euroopa standardi EN 10223-4:1998 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 10223-4:2000 consists of the English text of the European standard EN 10223-4:1998.</p> <p>This document is endorsed on 11.01.2000 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: See EN 10223 standardi osa määrab kindlaks nõuded terastraadist keevitatud võrkpiirete kohta, mida on mitut tüüpi ja mida kasutatakse paljudes valdkondades. Standard määrab kindlaks rullide või plaatidena tarnitavate keevitatud võrkpiirete üldkarakteristikud ning nende pinnakatted, omadused ja tolerantsid. Standard hõlmab ainult täisnurkselt keevitatud metallvõrke, s.t traadid on üksteise külge keevitatud täisnurga all. Paneelidest tehtud keevitatud metallvõrgust piirete korral kehtivad tehnilised nõuded ainult nende paneelide kohta, mille traadi läbimõõt ei ületa 10 mm.</p>	<p>Scope:</p>
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Võtmesõnad: galvaanimine, karakteristikud, katsed, mehaaniline tugevus, mõõtmed, mõõtmetolerantsid, pakkimine, piirded, pinnakatted, terased, traadid, traatvõrk, tähistused, valmistamine

Hinnagrupp G

ICS 77.140.65

Descriptors: Steel wire, welded mesh fencing.

English version

Steel wire and wire products for fences

Part 4: Steel wire welded mesh fencing

Fils et produits tréfilés en acier pour
clôtures et grillages – Partie 4:
Grillages en acier soudé

Stahldraht und Drahterzeugnisse für
Zäune – Teil 4: Geschweißte Gitter
aus Stahldraht für Zäune

This European Standard was approved by CEN on 1998-02-26.

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.

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 Central Secretariat 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, 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 European Standard 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 1998, and conflicting national standards shall be withdrawn at the latest by September 1998.

This standard comprises the following parts:

- Part 1 Zinc and zinc alloy coated steel barbed wire
- Part 2 Hexagonal steel wire netting for agricultural, insulation and fencing purposes
- Part 3 Hexagonal steel wire netting for engineering purposes
- Part 4 Steel wire welded mesh fencing
- Part 5 Steel wire woven hinged and knotted mesh fencing
- Part 6 Steel wire chain link fencing

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, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This Part of this European Standard specifies requirements for steel wire welded mesh fencing of which there are many types for a variety of applications. It specifies the general characteristics of welded mesh fencing supplied as rolls or panels and coatings, properties and tolerances.

The standard covers only orthogonal welded mesh i.e. wire welded at right angles to one another.

For welded mesh fencing made from panels the specification covers only panels made from wires not greater than 10 mm.

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.

prEN ISO 1461	Hot dip galvanized coatings on fabricated ferrous products - Specifications
EN 10021	General technical delivery conditions for iron and steel products
EN 10204	Metallic products - Types of inspection documents
EN 10218-1	Steel wire and wire products - General - Part 1 : Test methods
EN 10218-2	Steel wire and wire products - General - Part 2 : Dimensions and tolerances
prEN 10244-1	Steel wire and wire products - Non ferrous metallic coatings on steel wire Part 1 : General principles
prEN 10244-2	Steel wire and wire products- Non ferrous metallic coatings on steel wire Part 2 : Zinc and zinc alloy coating

prEN 10245-1	Steel wire and wire products - Organic coatings on wire Part 1 : General rules
prEN 10245-2	Steel wire and wire products - Organic coatings on wire Part 2 : PVC coated wire
prEN 10245-3	Steel wire and wire products - Organic coatings on wire Part 3 : PE coated wire

3 Definitions

For the purpose of this Standard, the following definitions apply:-

3.1 welded mesh fencing: Fencing made by electrical resistance welding either:

- a) zinc-coated or zinc alloy coated wires; or
- b) bright wires which are subsequently coated after welding either with zinc or zinc alloy.

In both cases, the wire may or may not be crimped. The welded mesh may or may not be subsequently coated with an organic material.

3.2 spacing: The distance measured between leading edge and leading edge of wires (see figure 1).

3.3 mesh size: The spacing of line wires followed by the spacing of cross wire e.g. for 50 mm line wire spacing and 25 mm cross wire spacing the mesh size is 50 x 25.

3.4 line wires: Wires running in the longitudinal direction parallel with the length of the roll or panel. See figure 1.

3.5 cross wires: Wires running in the transverse direction. See figure 1.

NOTE: On erection of the fence, the cross wires become vertical.

3.6 panel: welded mesh produced in flat form to specified dimensions or cut from rolls of welded mesh. Panels are produced either with overhanging edges or with flush cut edges.