

SVENSK STANDARD

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Ståltråd och trådprodukter för stängsel och nät – Del 4: Svetsat nät av stål

Steel wire and wire products for fencing and netting – Part 4: Steel wire welded mesh fencing

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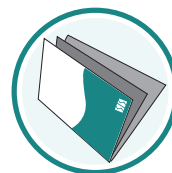
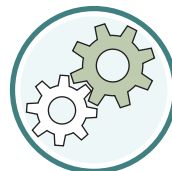
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Denna standard ersätter SS-EN 10223-4, utgåva 1.

The European Standard EN 10223-4:2012 has the status of a Swedish Standard. This document contains the official version of EN 10223-4:2012.

This standard supersedes the Swedish Standard SS-EN 10223-4, edition 1.

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Denna standard är framtagen av kommittén för Tråd och trådprodukter, SIS/TK 138.

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EUROPEAN STANDARD

EN 10223-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2012

ICS 77.140.65

Supersedes EN 10223-4:1998

English Version

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

Fils et produits tréfilés en acier pour clôtures et grillages -
Partie 4: Grillage en acier soudé

Stahldraht und Drahterzeugnisse für Zäune und
Drahtgeflechte - Teil 4: Geschweißte Gitter aus Stahldraht
für Zäune

This European Standard was approved by CEN on 13 October 2012.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 10223-4:2012) 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 May 2013, and conflicting national standards shall be withdrawn at the latest by May 2013.

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 10223-4:1998.

EN 10223 "Steel wire and wire products for fencing and netting" consists of 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 mesh products for engineering purposes*
- *Part 4: Steel wire welded mesh fencing*
- *Part 5: Steel wire woven hinged joint and knotted mesh fencing*
- *Part 6: Steel wire chain link fencing*
- *Part 7: Steel wire welded panels for fencing*
- *Part 8: Welded mesh gabion products*

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, 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.

SS-EN 10223-4:2012 (E)

1 Scope

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.

This European 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

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10021, *General technical delivery conditions for steel products*

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

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

EN 10218-2:2012, *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 10244-2:2009, *Steel wire and wire products — Non-ferrous metallic coatings on steel wire — Part 2: Zinc or zinc alloy coatings*

EN 10245-1, *Steel wire and wire products — Organic coatings on steel wire — Part 1: General rules*

EN 10245-2, *Steel wire and wire products — Organic coatings on steel wire — Part 2: PVC finished wire*

EN 10245-3, *Steel wire and wire products — Organic coatings on steel wire — Part 3: PE coated wire*

EN ISO 1461, *Hot dip galvanized coatings on fabricated iron or steel articles — Specifications and test methods (ISO 1461)*

3 Terms and definitions

For the purposes of this document, the following terms and 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

Note 1 to entry: 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.