

<b>STN</b>	<b>Oceľové drôty a drôtené výrobky na ploty a siete. Časť 8: Zvárané siete na gabiónové produkty.</b>	<b>STN EN 10223-8</b>  15 3160
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Steel wire and wire products for fencing and netting - Part 8: Welded mesh gabion products

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Obsahuje: EN 10223-8:2013

**119052**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, odbor SÚTN, 2014  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.



ICS 77.140.65

English Version

## Steel wire and wire products for fencing and netting - Part 8: Welded mesh gabion products

Fils et produits tréfilés en acier pour clôtures et grillages -  
Partie 8: Gabions à mailles soudées

Stahldraht und Drahterzeugnisse für Zäune und  
Drahtgeflechte - Teil 8: Geschweißte Gitter für Steinkörbe

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

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## Foreword

This document (EN 10223-8:2013) 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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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.

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 civil 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 (the present document)*

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, 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.

## 1 Scope

### 1.1 Subject

This European Standard specifies requirements for the mechanical properties, dimensions, coatings, test methodology and delivery conditions of welded mesh gabions products. The general meaning of welded mesh gabion is a metallic box made of welded wire mesh to be filled with stone or other suitable material.

Only the characteristics of the metallic cage are subject of this document.

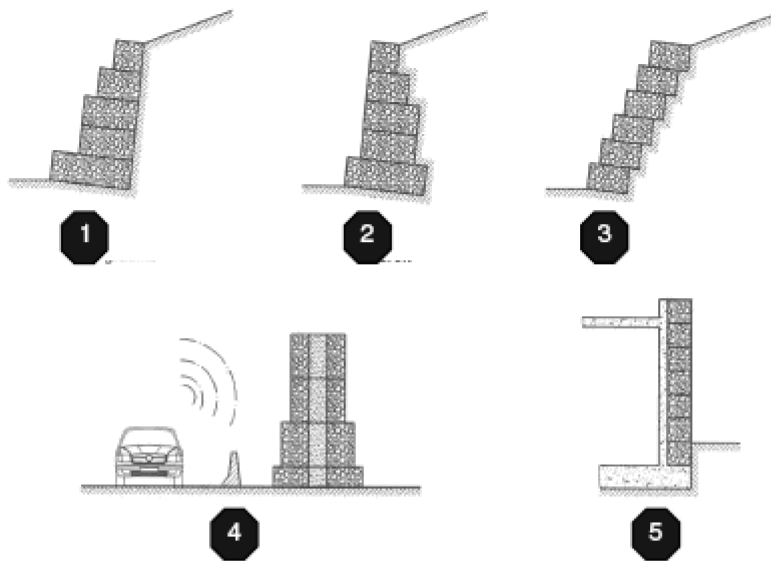
Filling materials, e.g. coarse armourstone, are covered in other standards.

This document covers gabions produced from welded wire fabric and accessories coated with a zinc coating, a hot-dip galvanization or a zinc-aluminium alloy, polyvinyl chloride (PVC) or stainless steel. Accessories include complementary materials such as spiral binders, rings, lacing wires, tie-rods or spacers.

### 1.2 Intended use

The intended use for the considered construction product is: earth retention, soil reinforcement systems, river training, erosion control purposes, slope retention, sound barriers, fencing, landscaping, covering or cladding as well as architectural purposes.

Figure 1 below shows some relevant examples of applications of gabions.



#### Key

- 1 stepped face retaining structure
- 2 flush face retaining structure
- 3 slope protection
- 4 free standing walls, e.g. sound barrier
- 5 claddings, e.g. for architectural applications

**Figure 1 — Example of applications of gabions**

## 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 10088-1, *Stainless steels — Part 1: List of stainless steels*

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

EN ISO 4892-2, *Plastics — Methods of exposure to laboratory light sources — Part 2: Xenon-arc lamps (ISO 4892-2)*

EN ISO 4892-3, *Plastics — Methods of exposure to laboratory light sources — Part 3: Fluorescent UV lamps (ISO 4892-3)*

EN ISO 6988, *Metallic and other non-organic coatings — Sulfur dioxide test with general condensation of moisture (ISO 6988)*

EN ISO 9223:2012, *Corrosion of metals and alloys — Corrosivity of atmospheres — Classification, determination and estimation (ISO 9223:2012)*

EN ISO 9227, *Corrosion tests in artificial atmospheres — Salt spray tests (ISO 9227)*

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

DIN 50018, *Testing in a saturated atmosphere in the presence of sulfur dioxide*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**