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Standards

Irish Standard  
I.S. EN 10223-8:2013

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

**I.S. EN 10223-8:2013**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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## 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  
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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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.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.

**EN 10223-8:2013 (E)****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.

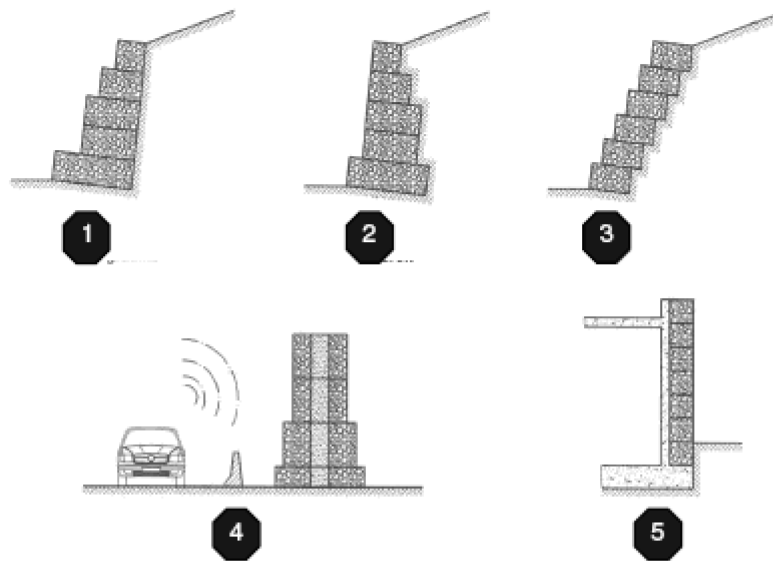
Filling materials, e.g. coarse armourstone, are covered in other standards.

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**

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