
Steel wire ring net panels — Definitions and specifications

*Panneaux de filet en anneaux de fil d'acier — Définitions et
spécifications*



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Foreword

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 17, *Steel*, Subcommittee SC 17, *Steel wire rod and wire products*.

Steel wire ring net panels — Definitions and specifications

1 Scope

This International Standard specifies the characteristics of steel wire ring net panel for retaining of unstable slopes controlling and preventing rockfalls and loose debris flow along roads, highways and railway, urban areas, mines and quarries, and for snow avalanche protection produced from metallic-coated steel wire or advanced metallic coating.

It is not applicable to anchors or soil nails for fixing of steel mesh to an unstable slope.

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.

ISO 7500-1, *Metallic materials — Calibration and verification of static uniaxial testing machines — Part 1: Tension/compression testing machines — Calibration and verification of the force-measuring system*

ISO 7989-2:2007, *Steel wire and wire products — Non-ferrous metallic coatings on steel wire — Part 2: Zinc or zinc-alloy coating*

ISO 10474, *Steel and steel products — Inspection documents*

ISO 22034-1, *Steel wire and wire products — Part 1: General test methods*

ISO 22034-2:2007, *Steel wire and wire products — Part 2: Tolerances on wire dimensions*

3 Terms and definitions

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

3.1

wire ring

steel ring obtained by looping a single steel wire with ends inserted into the thread or secured by one or more than one ferrules

3.2

nominal wire diameter

diameter used to designate the wire

Note 1 to entry: It is expressed in millimetres (mm).

3.3

real wire diameter

average value of the minimal and the maximal diameter, measured in the same section of a straight piece of wire, by means of a micrometer to 0,01 mm

3.4

wire ring size

average value of the diameter of the single ring

Note 1 to entry: See [Figure 1](#).