



# SLOVENSKI STANDARD SIST EN ISO 16663-2:2003

01-oktober-2003

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Fishing nets - Method of test for the determination of mesh size - Part 2: Length of mesh  
(ISO 16663-2:2003)

Fischnetze - Prüfverfahren zur Bestimmung der Maschenweite - Teil 2: Maschenlänge  
(ISO 16663-2:2003)

Filets de peche - Méthode d'essai pour la détermination des dimensions de la maille -  
Partie 2: Longueur de maille (ISO 16663-2:2003)

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Ta slovenski standard je istoveten z: EN ISO 16663-2:2003

## ICS:

65.150      Ribolov in ribogojstvo      Fishing and fish breeding

**SIST EN ISO 16663-2:2003**      en

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 16663-2**

June 2003

ICS 65.150

English version

**Fishing nets - Method of test for the determination of mesh size  
- Part 2: Length of mesh (ISO 16663-2:2003)**

Filets de pêche - Méthode d'essai pour la détermination  
des dimensions de la maille - Partie 2: Longueur de maille  
(ISO 16663-2:2003)

Fischnetze - Prüfverfahren zur Bestimmung der  
Maschenweite - Teil 2: Maschenlänge (ISO 16663-2:2003)

This European Standard was approved by CEN on 2 January 2003.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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## Foreword

This document (EN ISO 16663-2:2003) has been prepared by Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI, in collaboration with Technical Committee ISO/TC 38 "Textiles".

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 December 2003, and conflicting national standards shall be withdrawn at the latest by December 2003.

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, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

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## EN ISO 16663-2:2003 (E)

## 1 Scope and field of application

This European Standard specifies a method for the determination of mesh length of fishing nets using a ruler. It is applicable to passive fishing gears.

## 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 (including amendments).

EN ISO 1107, Fishing nets - Netting - Basic terms and definitions (ISO 1107:2003)

ISO 139, Textiles - Standard atmospheres for conditioning and testing

## 3 Terms and definitions

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

### 3.1 passive fishing gear

fishing gear requiring action of the fish to catch it

NOTE Mostly stationary equipment often, but not always, anchored at the seabed. Gill nets and entangling nets are examples of passive gears.

### 3.2 gill net

panel of netting usually of rectangular shape, made of thin twine, in which fish is caught in the meshes. The net is suspended vertically in the water by floats and weights

NOTE The net is held vertically in the water by floats and weights, e.g. drift net, set gill net.

### 3.3 entangling net

loosely hung vertical net that catches fish by entangling rather than enmeshing.

### 3.4 trammel net

bottom set net which is made with three walls of netting, the two outer walls of larger mesh size than the loosely hung inner netting panel

NOTE The fish become entangled in the inner small meshed wall after passing through the outer wall and push themselves into the second outer wall, thus forming a bag.

## 4 Principle

The netting, in both dry and wet states, is manually straightened in the N-direction. The mesh length is measured with a ruler.

## 5 Requirements for testing

### 5.1 Atmosphere for testing

All specimens to be tested in the dry state shall be exposed to the standard atmosphere for testing specified in ISO 139, until they have reached equilibrium.

NOTE For netting of man-made fibres, a period of 24 h exposure is generally sufficient.

Where it is not possible to carry out the tests in the standard atmosphere the tests shall be carried out immediately after removal of the sample from the standard atmosphere.

### 5.2 Testing in the wet state

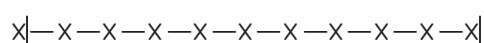
Specimens to be tested in the wet state shall either be:

- a) immersed in tap water of  $(20 \pm 2)^\circ\text{C}$  for not less than 12 hours ;
- b) or immersed in a solution of wetting agent at a temperature of  $(20 \pm 2)^\circ\text{C}$  for not less than 1 hour.

## 6 Procedure

**6.1** Straighten the netting manually in the N-direction. Using a ruler, the distance from the first knot or joint inclusive shall be measured with an accuracy of 1 mm (as shown in Figure 1). The mesh length is obtained by dividing the measured length by 5.

**6.2** At least 10 single measurements on each piece of netting shall be carried out, unless otherwise agreed between the interested parties.



**Figure 1 — Measuring the mesh length**

## 7 Calculation and expression of results

**7.1** Record the size of opening of the mesh in millimetres for each measurement and calculate the average size of length of mesh rounded up to the next millimetre.

**7.2** Calculate the average size of mesh length determined in accordance with clause 6 and rounded up to the next millimetre.

**7.3** Calculate the coefficient of variation and the confidence interval.

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## 8 Test report

The test report shall include the following:

- a) statement that the tests were performed in accordance with this European Standard;
- b) date of the test;
- c) description of the netting including the material and the type of yarn (twisted, or braided), the type of netting (knotted or knotless), the mesh size, the nominal linear density of the twine as per EN ISO 1107;
- d) average size of length of the mesh in millimetre;
- e) number of measurements;
- f) state of the netting (dry or wet);
- g) coefficient of variation and the confidence interval;
- h) any deviation from the specified test procedure.

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