

Playing field equipment - Tennis equipment - Functional and safety requirements, test methods

Playing field equipment - Tennis equipment -
Functional and safety requirements, test methods

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1510:2004 sisaldab Euroopa standardi EN 1510:2004 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1510:2004 consists of the English text of the European standard EN 1510:2004.</p> <p>This document is endorsed on 23.11.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<p>Käsitlusala:</p> <p>This European standard specifies the functional requirements (see clause 3) and the safety requirements (see clause 4) of tennis equipment, excluding rackets and balls. This European Standard is applicable to 3 types of tennis equipment (see 3.1) which are used indoors and outdoors</p>	<p>Scope:</p> <p>This European standard specifies the functional requirements (see clause 3) and the safety requirements (see clause 4) of tennis equipment, excluding rackets and balls. This European Standard is applicable to 3 types of tennis equipment (see 3.1) which are used indoors and outdoors</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

ICS 97.220.40

Võtmesõnad:

English version

**Playing field equipment - Tennis equipment - Functional and
safety requirements, test methods**

Equipements de jeux - Equipements de tennis - Exigences
fonctionnelles et de sécurité, méthodes d'essai

Spielfeldgeräte - Tenniseinrichtungen - Funktionelle und
sicherheitstechnische Anforderungen, Prüfverfahren

This European Standard was approved by CEN on 24 June 2004.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Requirements	4
3.1 Classification.....	4
3.2 Dimensions.....	5
3.3 Materials	6
3.3.1 Posts, singles sticks and bottom structure of Type 3 and ground fixings.....	6
3.3.2 Net 6	6
3.3.3 Top net line.....	6
3.3.4 Top tape and net centre strap	6
3.4 Design	6
3.4.1 Net posts.....	6
3.4.2 Net 6	7
3.4.3 Centre net adjuster	7
3.4.4 Singles sticks	7
3.4.5 Ground sockets.....	7
4 Safety requirements	7
4.1 General.....	7
4.2 Tensioning devices.....	7
4.3 Net hooks.....	7
5 Test methods.....	7
5.1 General.....	7
5.2 Posts and tensioning devices	7
5.3 Net	8
6 Instructions for use	8
7 Marking	8
Annex A (informative) Examples of tennis equipment Types 2 and 3	9
Annex B (informative) Example of foundation	10
Bibliography	11

Foreword

This document (EN 1510:2004) has been prepared by Technical Committee CEN/TC 136 "Sport, playground and other recreational equipment", the secretariat of which is held by DIN.

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 March 2005, and conflicting national standards shall be withdrawn at the latest by March 2005.

This document supersedes EN 1510:1996.

Other types and sizes as those described in this document are permissible provided the safety requirements are taken into consideration.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This document specifies the functional requirements (see Clause 3) and the safety requirements (see Clause 4) of tennis equipment, excluding rackets and balls.

This document is applicable to 3 types of tennis equipment (see 3.1) which are used indoors and outdoors.

2 Normative references

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

EN ISO 1806, *Fishing nets — Determination of mesh breaking force of netting* (ISO 1806:2002)

EN ISO 13934-1, *Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method* (ISO 13934-1:1999)

ISO 3108, *Steel wire ropes for general purposes — Determination of actual breaking load*

3 Requirements

3.1 Classification

Tennis equipment shall be classified by the design (types) and the nets by the breaking force (classes) as shown in Tables 1 and 2.

Table 1 — Types

Type	Description	Example
1	with ground sockets	Figure 1
2	with bases and ground fixings	Figure A.1
3	freestanding	Figure A.2

Table 2 — Classes of nets

Class	Breaking strength N min.		
	Mesh	Top net line	Top tape
A	1 800 (1 500) ^a	8 000	2 500
B	1 080 (900) ^a	6 000	1 250
C	792 (660) ^a	3 000	900
^a This corresponds to the breaking strength of the net yarn, tested in accordance with EN ISO 2062.			