



SLOVENSKI STANDARD

SIST EN 1271:2005

01-januar-2005

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SIST EN 1271:1998

SIST EN 1271:1998/A1:2002

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

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Spielfeldgeräte - Volleyballgeräte - Funktionelle und sicherheitstechnische Anforderungen, Prüfverfahren

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

Ta slovenski standard je istoveten z: EN 1271:2004

ICS:

97.220.30 Oprema za dvoranske športe Indoor sports equipment

SIST EN 1271:2005

en,fr,de

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EUROPEAN STANDARD

EN 1271

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2004

ICS

Supersedes EN 1271:1998

English version

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

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

Spielfeldgeräte - Volleyballgeräte - 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.

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

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

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Foreword

This document (EN 1271:2004) 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 1271:1998.

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.

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EN 1271:2004 (E)**1 Scope**

This document specifies the functional requirements (see Clause 3) and the safety requirements (see Clause 4) for volleyball equipment.

This document is applicable to 2 types and 3 classes of volleyball equipment (see 3.1) which are used indoors and outdoors.

This document is not applicable to beach volleyball.

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 913:1996, *Gymnastic equipment — General safety requirements and test methods*

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

prEN ISO 2307, *Fibre ropes — Determination of certain physical and mechanical properties (ISO/DIS 2307:2003)*

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

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3.1 Classification

Volleyball equipment shall be classified by the design (types) and the intended level of the sport (classes) as shown in Tables 1 and 2.

Table 1 — Types

Type	Description	Example
1	with ground sockets/fixings	Figure 1
2	with floor fixings	Figure 2

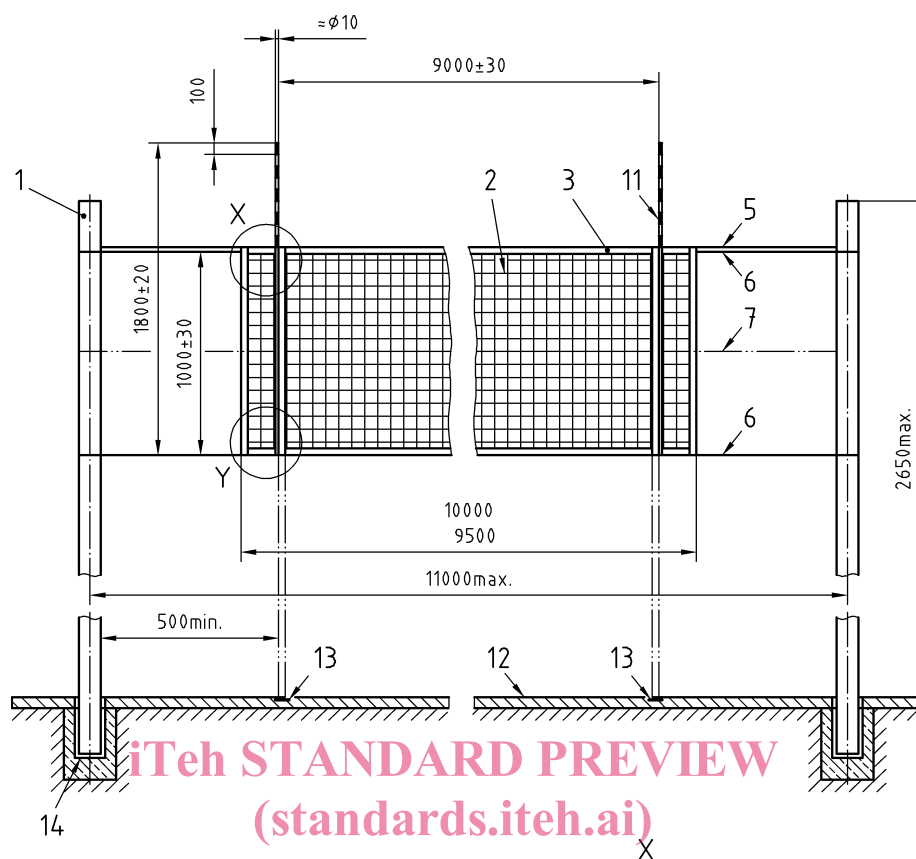
Table 2 — Classes

Class	Description
A	International competitions ^a
B	national competitions ^b
C	practice and school sports
^a in line with the FIVB (Fédération Internationale de Volleyball) rules ^b in line with the rules of the national volleyball federations	

3.2 Dimensions

Volleyball equipment Classes A and B shall comply with the dimensions shown in Figure 1.

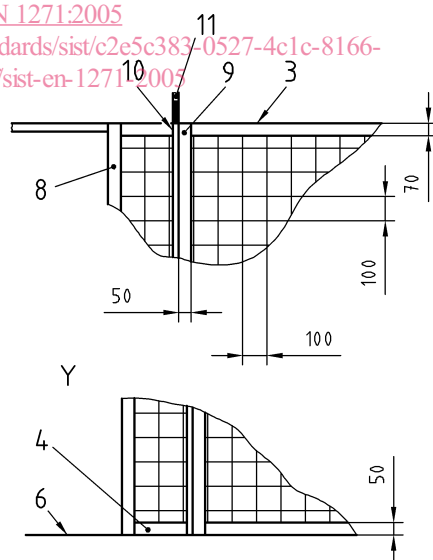
Dimensions in millimetres



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**Key**

- | | |
|---------------------------|--------------------------------------|
| 1 post | 8 edge reinforcement |
| 2 net | 9 side band |
| 3 upper edge band | 10 antenna pocket (alternative to 9) |
| 4 lower edge band | 11 antenna |
| 5 top net line | 12 sport surface |
| 6 tension ropes | 13 court line |
| 7 tension rope (optional) | 14 ground socket |

For example of foundations see Annex A.

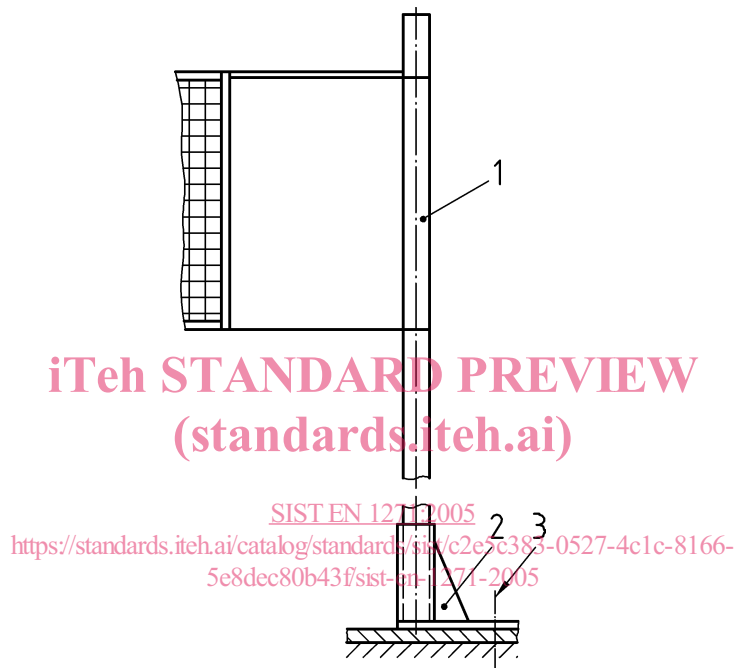
NOTE The height of the net is specified by the International and/or national federation(s)

Figure 1 — Volleyball equipment Type 1

EN 1271:2004 (E)

A complete volleyball equipment **Type 1** shall have the following components:

- a) 2 posts (1 with tensioning device and 1 with rope attachment);
- b) 2 post pads (Classes A and B);
- c) 2 ground sockets;
- d) 1 net;
- e) 2 antennas (Classes A and B)
- f) 2 side bands (Classes A and B)

**Key**

- 1 post
- 2 base assembly
- 3 floor fixing devices

Other dimensions and specifications as Type 1.

Figure 2 — Volleyball equipment Type 2

A complete volleyball equipment **Type 2** shall have the following components:

- g) 2 posts (1 with tensioning device and 1 with rope attachment);
- h) for class B 2 post pads;
- i) 2 bases with floor fixing devices;
- j) 1 net;
- k) for Class B 2 antennas;
- l) for Class B 2 side bands.

3.3 Material

3.3.1 Posts

The posts may be made of steel, light metal or synthetics, provided the requirements of this document are fulfilled.

Light metal shall be non-corrosive and steel protected against corrosion (e. g. hot-galvanized, powder coated or painted).

3.3.2 Net

The net shall be made from synthetic fibres.

The top net line shall be made from galvanised, corrosion-resistant steel wires, synthetics or equivalent material.

NOTE Plastic covering for steel wires is also acceptable.

All tapes bordering the net shall be made from synthetic materials.

3.3.3 Antenna

The antenna shall be made of glass-fibre reinforced plastics or similar material.

3.4 Design

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3.4.1 Posts

In the installed position the height adjustment of the net between the posts shall be possible between at least 2 000 mm to 2 500 mm from the sport surface. [SIST EN 1271:2005](https://standards.iteh.ai/catalog/standards/sist/c2e5c383-0527-4c1c-8166-5e8dec80b43f/sist-en-1271-2005)

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3.4.2 Net

The net of Classes A and B shall be black, the upper and lower edge bands and the side band shall be white.

The net meshes shall be square.

The top net line shall be inserted in the upper edge band.

The net shall be stretched horizontally at its upper and lower corners by means of the tension ropes so that the top net line and bottom net line are parallel and 1 000 mm apart.

Regarding the breaking forces of the net and its components the Classes of Tables 3 to 6 shall be selected as appropriate.

Table 3 — Mesh breaking strength

Class	N min.	Test method
A	1 800 (1 500) ^a	EN ISO 1806
B	1 080 (900) ^a	
C	792 (660) ^a	
^a This corresponds to the breaking strength of the net yarn, tested in accordance with EN ISO 2062.		