



SLOVENSKI STANDARD

SIST EN 1271:1998

01-september-1998

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

Spielfeldgeräte - Volleyballgeräte - Funktionelle und sicherheitstechnische Anforderungen, Prüfverfahren

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

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Ta slovenski standard je istoveten z: EN 1271:1998

ICS:

97.220.30 Oprema za dvoranske športe Indoor sports equipment

SIST EN 1271:1998

en

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EUROPEAN STANDARD

EN 1271

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 1998

ICS 97.220.30

Descriptors: sport, volleyball, sports equipment, goals: sport equipment, sport nets, specifications, dimensions, design, safety, tests, breaking load, technical notices, marking

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 January 1998.

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 136 "Sports, 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 August 1998, and conflicting national standards shall be withdrawn at the latest by August 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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FRANCOIS ARLETTIER
COMMISSION TECHNIQUE INTERNATIONALE
d'Electronique de l'Industrie et de l'Automatique
REACTIF
1998
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1 Scope

This European Standard specifies the functional requirements (see clause 3) and the safety requirements (see clause 4) for volleyball equipment.

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

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.

EN 913 : 1996

Gymnastic equipment – General safety requirements and test methods

ISO 2062

Textiles – Yarns from packages – Determination of single-end breaking force and elongation at break

ISO 2307

Ropes – Determination of certain physical and mechanical properties

ISO 3108

Steel wire ropes for general purposes – Determination of actual breaking load

ISO 5081

Textiles – Woven fabrics – Determination of breaking strength and elongation (Strip method)

3 Requirements

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.

3.2 Dimensions

Volleyball equipment shall comply with the dimensions shown in figure 1.

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Table 1: Types

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

Table 2: Classes

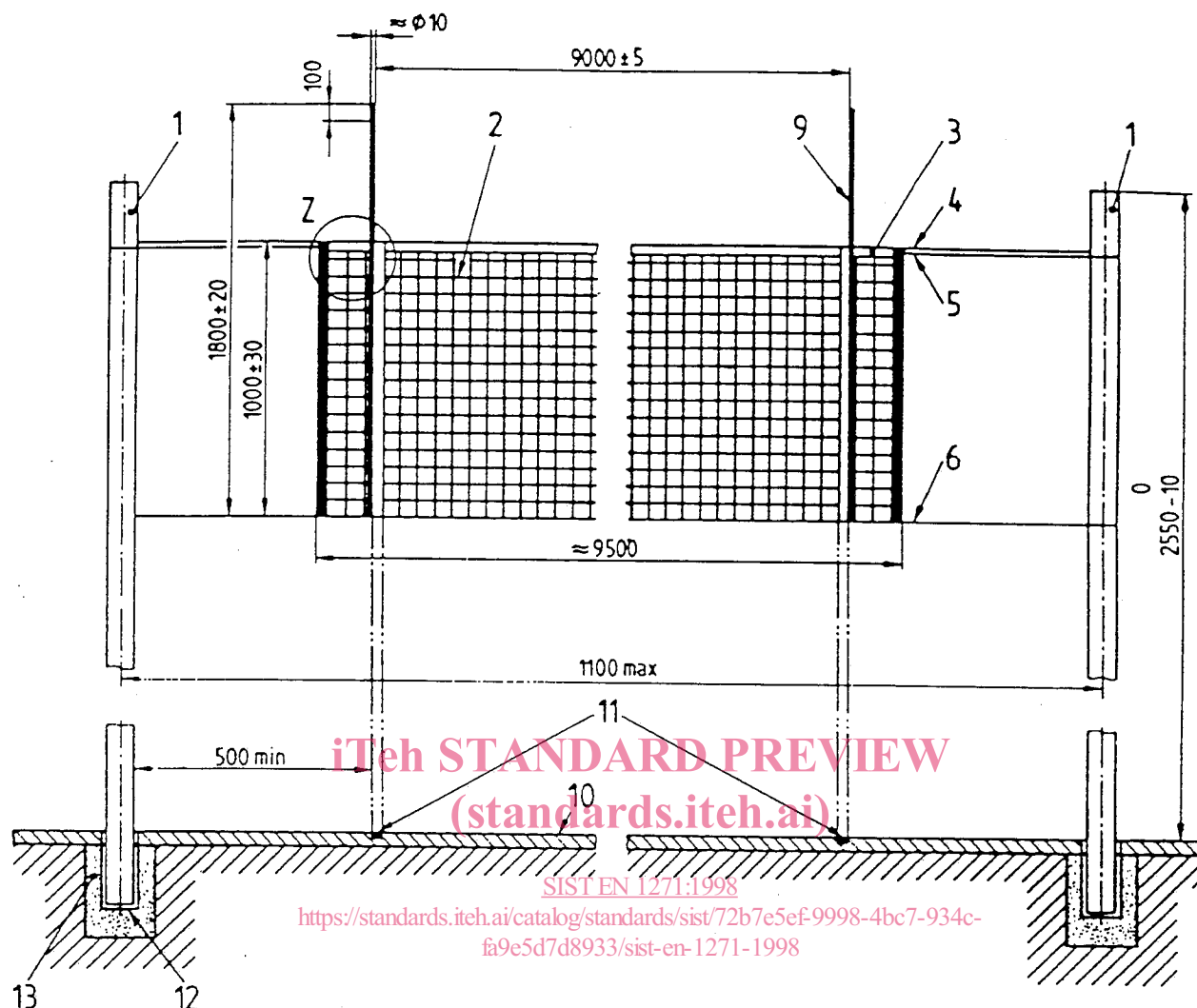
Class	Description
A	International competitions*)
B	national competitions
C	practice and school
*) in line with the FIVB (Fédération Internationale de Volleyball) rules	

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Dimensions in millimetres



- 1 post
- 2 net
- 3 top tape
- 4 top net line
- 5 tensioning cord
- 6 bottom net line
- 7 side tape
- 8 antenna pocket
- 9 antenna
- 10 sport surface
- 11 side line
- 12 ground socket
- 13 concrete block

For example of foundations see annex A.

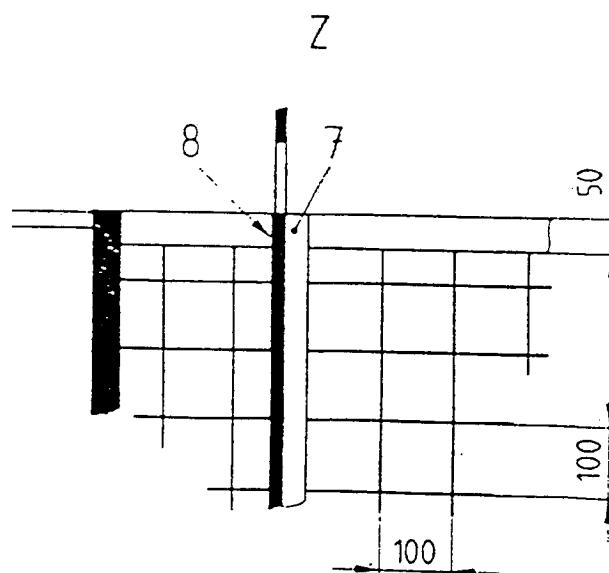
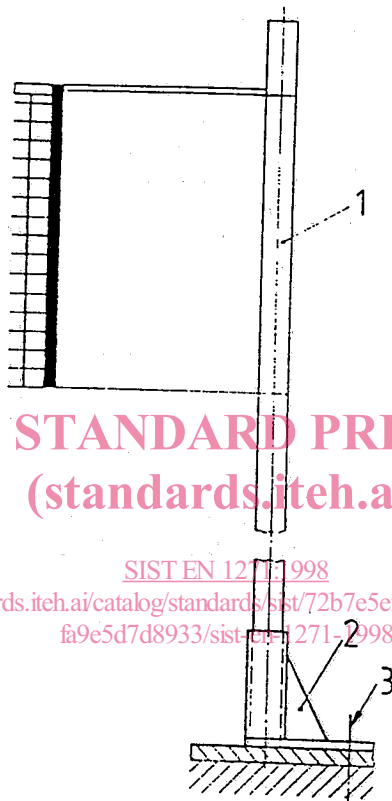


Figure 1: Volleyball equipment type 1

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).



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- 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:

- a) 2 posts (1 with tensioning device and 1 with rope attachment);
- b) for class B 2 post pads;
- c) 2 bases with floor fixing devices;
- d) 1 net;
- e) for class B 2 antennas.

3.3 Material

3.3.1 Posts

The posts may be made of steel, light metal or synthetics, provided the requirements of this standard 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 galvanized or corrosion-resistant steel wires or equivalent material.

NOTE: Plastic covering 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

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.

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3.4.2 Net

The net and the antenna pockets shall be black, the top tape and the side tapes shall be white.

The net meshes shall be square.

The top net line shall be inserted in the top tape.

The net shall be stretched horizontally at its upper corners by means of a tensioning cord and at its lower corners by means of the bottom net lines 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.

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