



# SLOVENSKI STANDARD

## SIST EN 1270:1998

01-september-1998

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dfYg\_i gbY'a YfcXY

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

Spielfeldgeräte - Basketballgeräte - Funktionelle und sicherheitstechnische  
Anforderungen, Prüfverfahren

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

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**Ta slovenski standard je istoveten z: EN 1270:1998**

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### **ICS:**

97.220.30 Oprema za dvoranske športe Indoor sports equipment

**SIST EN 1270:1998**

**en**

## **iTeh STANDARD PREVIEW** **(standards.iteh.ai)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN 1270

January 1998

ICS 97.220.30

Descriptors: sport, basketball, sports equipment, goals : sport equipment, sport nets, specifications, dimensions, design, safety, tests, stiffness tests, marking

English version

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

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

Spielfeldgeräte - Basketballgeräte - Funktionelle und  
sicherheitstechnische Anforderungen, Prüfverfahren

This European Standard was approved by CEN on 21 November 1997.

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 July 1998, and conflicting national standards shall be withdrawn at the latest by July 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.

For ceiling mounted basketball equipment – type 5 – and wall mounted – type 4 – the safety requirements for fixing, lifting and movement of equipment are not yet specified in this standard but are under preparation.



## 1 Scope

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

This European Standard is applicable to 8 types of basketball equipment within the classes A to E (see 3.1).

This European Standard is not applicable to home basketball equipment, which is considered to be covered by EN 71-1.

## 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

EN 10025

Hot-rolled products of non-alloy structural steels – Technical delivery conditions

ISO 2062

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

## 3 Requirements

### 3.1 Classification

Basketball equipment shall be classified by the design (types) and the free space (see table 2) as typical performance criterion (classes) as shown in tables 1 and 2.

Table 1: Types

Type	Description	Example
1	freestanding 3 250 mm and 2 250 mm extension	figure 1
2	freestanding (other extensions)	figure 2
3	folding	figure 3
4	fixed wall mounted	figure 4
5	ceiling mounted	figure 5
6	removable with sockets	figure 6
7	fixed in the ground	figure 7
8	adjustable with height setting from 2 600 mm to 3 050 mm	
NOTE: Specifications concerning fixing are under preparation		

Table 2: Classes

Dimensions in millimetres		
Class	Free space min.	Remark
A	3 250	*)
B	2 250	
C	1 650	
D	1 200	
E	any other ( $\leq 1\,200$ )	
*) in line with/with interpretation of FIBA (Fédération Internationale de Basketball) rules		

Rings shall be classified as either:

- a) fixed rings; or
- b) pressure release rings.

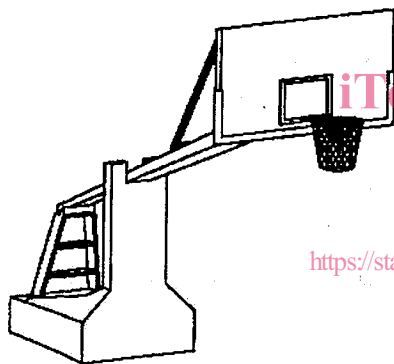


Figure 1: Example of type 1



Figure 2: Example of type 2

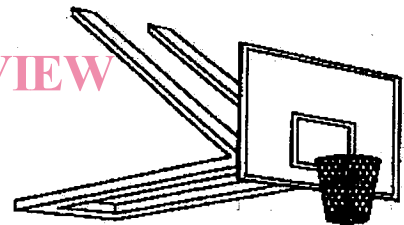


Figure 3: Example of type 3

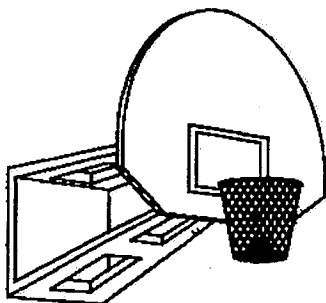


Figure 4: Example of type 4

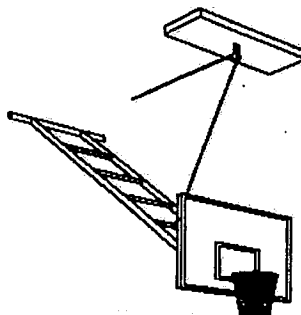


Figure 5: Example of type 5

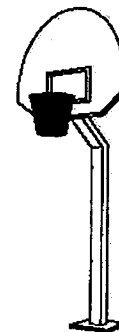


Figure 6: Example of type 6

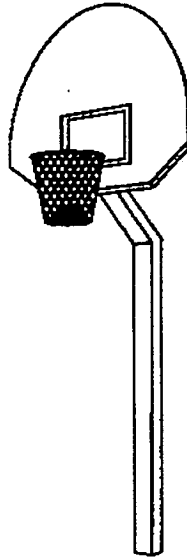


Figure 7: Example of type 7

### 3.2 Dimensions

Basketball equipment shall comply with the dimensions shown in figures 8 to 10 and tables 3 and 4.

A complete set of basketball equipment shall have the following components:

- a) 1 backboard;
- b) 1 ring;
- c) 1 net;
- d) the supporting frame;
- e) stability devices.

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Dimensions in millimetres

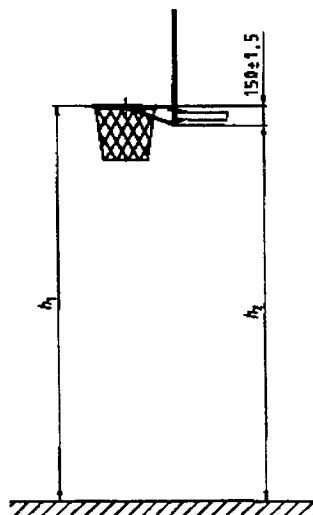
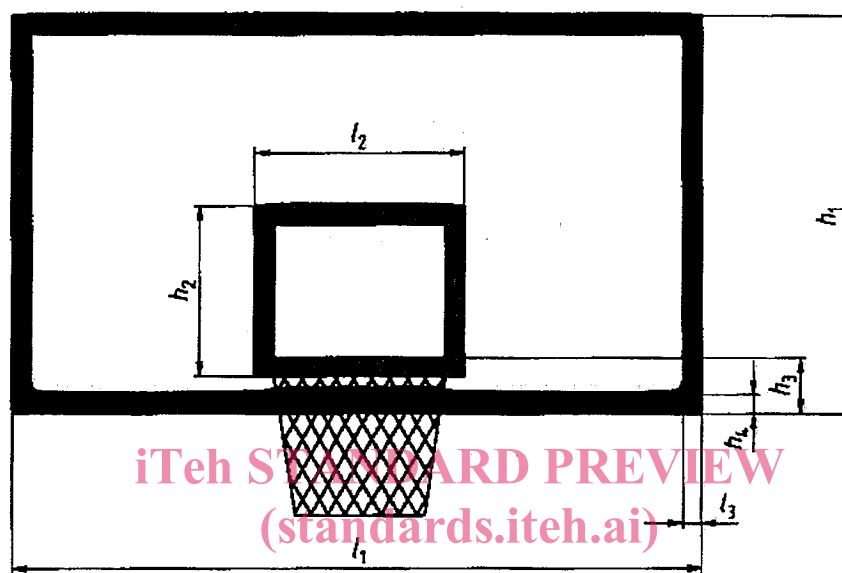


Figure 8: Main functional dimensions for classes A to D

Table 3: Main functional dimensions for classes A to D

Dimensions in millimetres

Nominal size	Nominal dimension $h_1$	$h_2$	Type
	$\pm 6$	$\pm 6$	
3 050	3 050	2 900	1 to 7
3 050/2 600	2 600	2 450	8



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Figure 9: Dimensions of backboard and markings

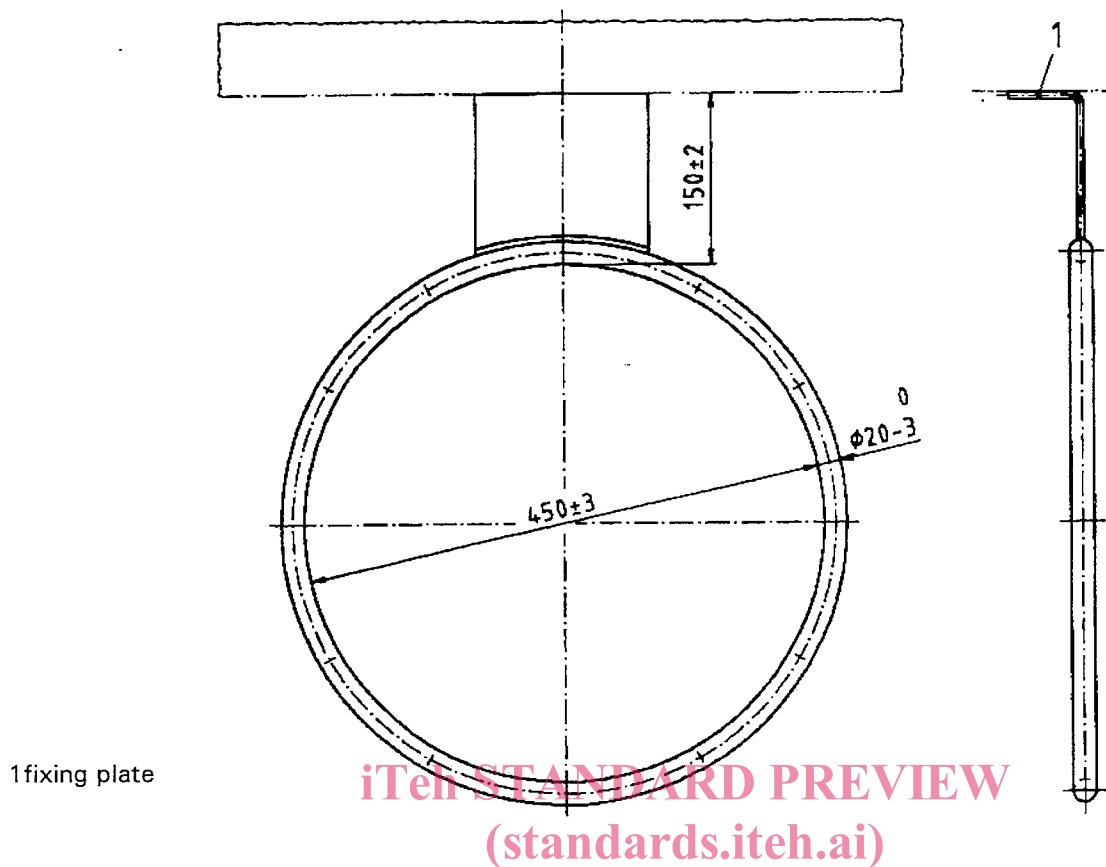
Table 4: Dimensions of backboard and markings

Dimensions in millimetres

Backboard		Markings					Application of classes
$l_1$	$h_1$	$l_2$	$h_2$	$h_3$	$h_4$	$l_3$	
1 800	1 050	590	450	150	50	50	A, B, C, E
1 800	1 200	590	450	300	50	50	A, B, C, E
1 200	900	—	—	—	—	—	B, C, D, E
1 100	700	—	—	—	—	—	B, C, D, E
900	600	—	—	—	—	—	B, C, D, E
any other	any other	—	—	—	—	—	E



Dimensions in millimetres



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 Figure 10: Ring

### 3.3 Material

#### 3.3.1 Backboard

The materials for the backboard shall comply with 3.4.1.

#### 3.3.2 Ring

For classes A and B the rings shall be made of weldable killed steel, to at least S 235 JR as specified in EN 10025.

#### 3.3.3 Net

The net shall be made of synthetic or natural fibres.

### 3.4 Design

#### 3.4.1 Backboard

3.4.1.1 For the backboard the colours of table 5 shall be used.