

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

The European Standard EN 1270:2005 has the status of a
British Standard

ICS 97.220.30

National foreword

This British Standard is the official English language version of EN 1270:2005. It supersedes BS EN 1270:1998 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SW/14, Gymnasium and other sport equipment, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 20, an inside back cover and a back cover.

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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'essais

Spielfeldgeräte - Basketballgeräte - Funktionelle und
sicherheitstechnische Anforderungen, Prüfverfahren

This European Standard was approved by CEN on 26 September 2005.

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.



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Contents

Foreword 3

1 Scope 4

2 Normative references 4

3 Requirements 4

4 Safety requirements.....12

5 Test methods.....15

6 Instruction for use.....17

7 Warning label 17

8 Marking 17

Annex A (informative) Examples of design 18

Annex B (informative) Choice-table for basketball equipment 19

Annex C (informative) A-Deviation 20

Foreword

This European Standard (EN 1270:2005) 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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

Regarding types 1 and 2 France asked for a national deviation due to a French national regulation (decree no 96-465 of June 4, 1996), see Annex C.

This document supersedes EN 1270:1998.

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.

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, and to ball throwing equipment.

NOTE The intended use of ball throwing equipment is for the purpose of practising attempts to propel the basketball into the basket.

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 10025-1, *Hot-rolled products of structural steels — Part 1: General technical delivery conditions*.

EN 10025-2, *Hot rolled products of structural steels — Part 2: Technical delivery conditions for non-alloy structural steels*.

EN ISO 2062, *Textiles — Yarns from packages — Determination of single-end breaking force and elongation at break (ISO 2062:1993)*.

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	a
B	2 250	
C	1 650	
D	1 200	
E	600 to 1 200	
^a 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.

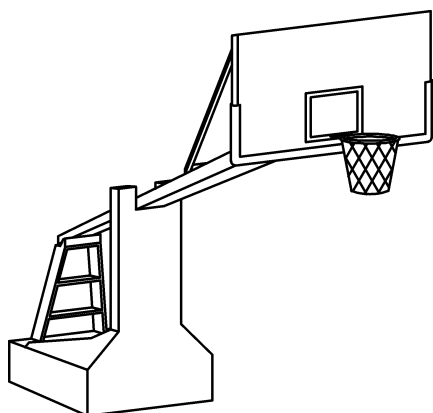


Figure 1 — Example of type 1

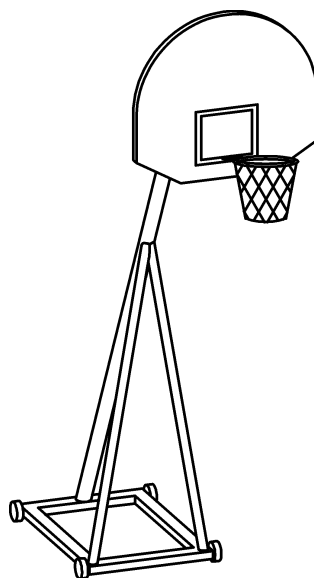


Figure 2 — Example of type 2

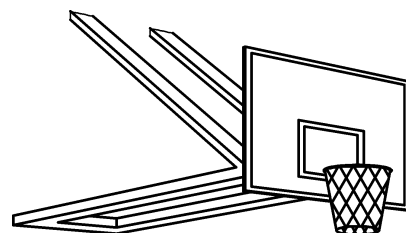


Figure 3 — Example of type 3

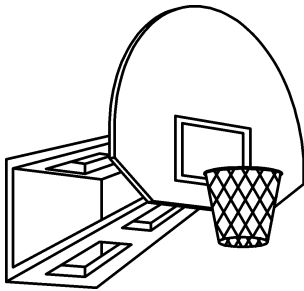


Figure 4 — Example of type 4

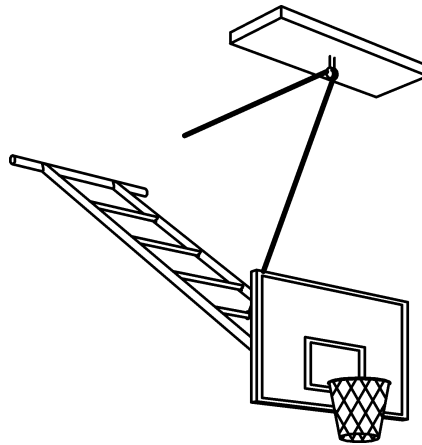


Figure 5 — Example of type 5

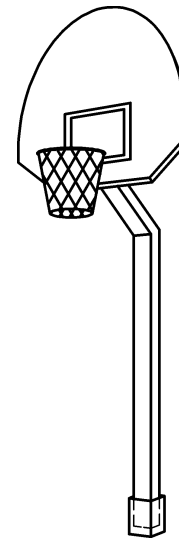


Figure 6 — Example of type 6

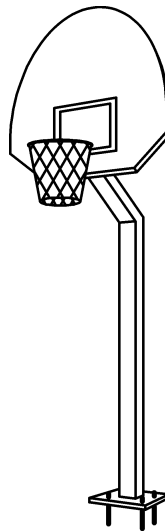


Figure 7 — Example of type 7

3.2 Dimensions

Basketball equipment shall comply with the dimensions shown in Figures 8 to 11 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.