

Gymnasium equipment —

Part 2: Particular requirements —

Section 2.7 Specification for basketball and mini-basketball equipment

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Committees responsible for this British Standard

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- Birmingham City
- British Amateur Athletic Board
- British Amateur Weight Lifters' Association
- British Association of Advisers and Lecturers in Physical Education
- British Leather Federation
- British Sports and Allied Industries Federation
- Central Council of Physical Recreation
- City of Glasgow
- Department of Education and Science
- Department of the Environment (Building Research Establishment, Princes Risborough Laboratory)
- English Basketball Association
- Greater London Council
- Gymnasium Equipment Manufacturers' Association
- Home Office
- Institute of Purchasing and Supply
- Ministry of Defence
- Physical Education Association of Great Britain and Northern Ireland
- Sports Council
- Timber Research and Development Association

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Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions	1
3 General requirements	1
4 Ring assembly	1
5 Net	1
6 Backboard	2
7 Supports and suspension arms	2
8 Marking	2
Appendix A Backboard deflection test	3
Appendix B Rigidity tests	3
Figure 1 — Typical basketball ring assembly	4
Figure 2 — Backboard markings and basket support for basketball	5
Figure 3 — Backboard markings and basket support for mini-basketball	6
Figure 4 — Backboard deflection test	6
Figure 5 — Rigidity tests for frame	7
Publications referred to	Inside back cover

Foreword

This Section of BS 1892 has been prepared under the direction of the Textiles and Clothing Standards Committee, and forms a revision of BS 1892-2.7:1974 which is withdrawn. The standard has been revised at the request of the English Basketball Association. The principal changes introduced by this revision are that requirements are included for snap-back rings and that the opportunity has been taken to bring the requirements up-to-date.

This Section of Part 2 together with Part 1 covers equipment suitable for schools, establishments of further education, the defence services and the Home Office.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This Section of BS 1892 specifies requirements for the ring assembly, the net and the backboard for basketball and mini-basketball equipment.

NOTE 1 The requirements for the construction of the balls used for basketball and mini-basketball are not included, but reference is made to certain characteristics in the note to 5.4.

NOTE 2 The titles of the publications referred to in this standard are listed on the inside back cover.

2 Definitions

For the purposes of this Section of BS 1892 the following definitions apply.

2.1

basketball equipment

equipment designed for use by basketball teams comprising men, women or children

2.2

mini-basketball equipment

equipment designed for use by basketball teams comprising children under thirteen years of age on September 1 of the school year

3 General requirements

All basketball and mini-basketball equipment shall comply with the requirements of BS 1892-1 except in so far as they are modified by this Section.

4 Ring assembly

4.1 General

The ring assembly, for both basketball and mini-basketball, shall comprise the ring, with 12 hooks fixed to its underside, permanently attached to a backplate, together with a washerplate and four nuts and bolts.

4.2 Dimensions

The ring shall comply with the dimensions shown in Figure 1.

4.3 Materials

The ring shall be made of type 070M20 steel complying with BS 970-1 and the backplate and washerplate from steel complying with BS 1449-1.

4.4 Construction

Twelve hooks, equally spaced, shall be attached to the underside of the ring.

The means of attachment of the ring to the backplate shall not project above the level of the top of the ring nor shall it project into the space under the circumference of the ring.

The backplate and washerplate shall be at least 150 mm × 150 mm and each shall have four 10 mm diameter holes located as shown in Figure 1.

The ring assembly shall be coated with orange paint, complying with BS 4800 Colour 06 E 51.

4.5 Snap-back rings

If the ring incorporates a hinge mechanism it shall release under a downward force of 1 000 N.

5 Net

5.1 General

The nets for both basketball and mini-basketball shall comply with the requirements of 5.2 to 5.4.

5.2 Dimensions

The overall length shall be 400 ± 5 mm when hung from the ring.

5.3 Materials

The cord shall consist of 3-ply white staple nylon of 50 mm twist, each ply being made from four threads, S or Z twist of 662 tex.

The total runnage of the cord shall be 96 ± 8 m/kg when tested in accordance with BS 6125.

S twist cord shall have 140 ± 10 turns per metre and Z twist cord shall have 76 ± 3 turns per metre when tested in accordance with BS 2085.

The breaking strength of the cord shall be at least 2 500 N when tested in accordance with BS 5053.

The net shall be made up of 12 meshes on loops 180 mm long having one row of meshes with knots 75 mm apart, two rows with knots 55 mm apart and three rows with knots 50 mm apart.

5.4 Construction

The construction shall be such that the net hangs evenly from the twelve hooks. The net shall offer sufficient resistance to the passage of the ball so that it can be determined visually whether a ball has or has not passed through the net.

NOTE For basketball, the ball is spherical and made from rubber covered with a case of leather, rubber or synthetic material; it is not less than 750 mm nor more than 780 mm in circumference and weighs not less than 600 g nor more than 650 g. For mini-basketball, the ball is spherical and covered with a case of leather, rubber or synthetic material; it is not less than 680 mm nor more than 730 mm in circumference and weighs not less than 450 g nor more than 500 g.