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IS 2719 (1964): Carrom Boards [PCD 22: Sports Goods]



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( Reaffirmed 1986 )

*Indian Standard*  
SPECIFICATION FOR  
CARROM BOARDS

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BUREAU OF INDIAN STANDARDS  
MANAK BHAVAN, 9 BHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

# Indian Standard

## SPECIFICATION FOR CARROM BOARDS

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# *Indian Standard*

## SPECIFICATION FOR CARROM BOARDS

### 0. FOREWORD

**0.1** This Indian Standard was adopted by the Indian Standards Institution on 27 April 1964, after the draft finalized by the Sports Goods Sectional Committee had been approved by the Engineering Division Council.

**0.2** Among the indoor games played in India, carrom is one of the most popular and is played both in homes as well as clubs and competitions. By and large, the carrom boards are manufactured to suit the rules of the game. A need was, therefore, felt for sometime to draw up a national standard for this item. While preparing this standard assistance has been derived from not only the rules existing on the games but also from the technical details provided by the All India Carrom Federation and Quality Marking Centre, Government of West Bengal.

**0.3** Wherever a reference to any Indian Standard appears in this specification, it shall be taken as a reference to the latest version of the standard.

**0.4** For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960 Rules for Rounding Off Numerical Values (*Revised*). The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**0.5** This standard is intended chiefly to cover the technical provisions relating to carrom boards, and it does not include all the necessary provisions of a contract.

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### 1. SCOPE

**1.1** This standard covers the material and certain constructional details of four sizes of carrom boards. Two grades have been specified in this standard. Where complete details are not given, they are left to the discretion of the manufacturer.

## 2. GRADES

**2.1** Carrom boards shall be made in two grades, namely, Standard and Select. In the case of Select Grade of carrom board, the face of the plywood used shall meet the requirements for Face A of Table II of IS : 303-1960 Specification for Plywood for General Purposes ( *Revised* ). In the case of Standard Grade of carrom board, the face of the plywood used shall meet the requirements for Face B of Table II of IS : 303-1960.

## 3. MATERIAL

**3.1 Face Board** — The face board shall be made of BWR grade of plywood specified in IS : 303-1960. The veneer of face, that is the playing surface, shall be of white timber having close and compact grain so as to ensure a smooth surface.

**3.2 Frame** — The frame shall be made of well-seasoned **teak** ( *Tectona grandis* Linn. f. ), **bijasal** ( *Pterocarpus marsupium* Roxb. ), **gamari** ( *Gmelina arborea* Linn. ), **white cedar** ( *Dysoxylum malabaricum* Bedd. ), or **sissoo** ( *Dalbergia sissoo* Roxb. ).

**3.3 Reinforcement** — The timber for reinforcement shall be well-seasoned **teak** ( *Tectona grandis* Linn. f. ), **bijasal** ( *Pterocarpus marsupium* Roxb. ), **gamari** ( *Gmelina arborea* Linn. ), **white cedar** ( *Dysoxylum malabaricum* Bedd. ), or **sissoo** ( *Dalbergia sissoo* Roxb. ).

**3.4** The four corners of a carrom board shall be provided at the bottom with ledges or discs of rubber which will cushion the carrom board and take the wear. The rubber used shall be of good quality and shall not leave traces on the surface on which the carrom board is placed.

## 4. CONSTRUCTION

**4.0** The construction of carrom boards shall comply with the following requirements.

**4.1 Dimensions** — Dimensions shall be as given in Fig. 1 and Table I.

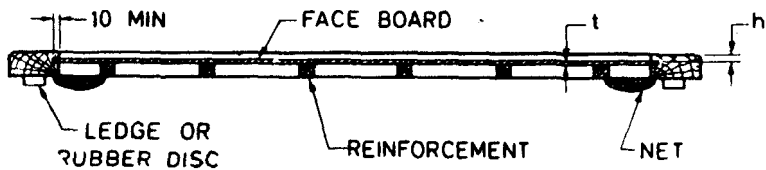
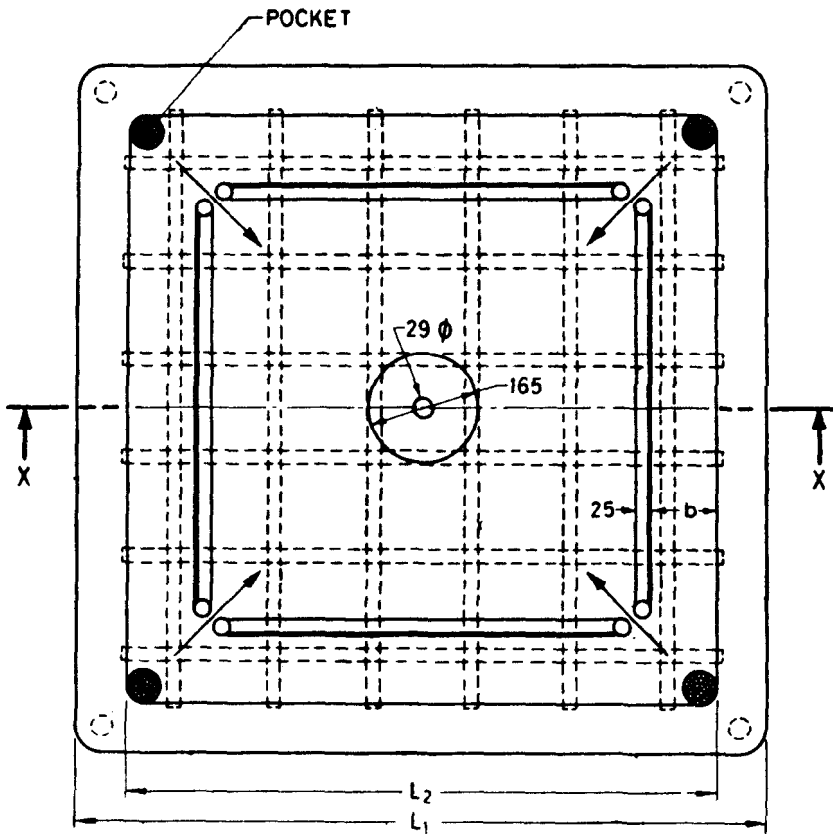
**4.1.1** Where limits have not been specified, the maximum permissible deviation shall be 2 mm in the case of dimensions exceeding 50 mm and 0.5 mm in all other cases.

**4.1.2** The face board shall be inserted not less than 10 mm uniformly on all sides into the frame.

### 4.2 Marking on Face Board

**4.2.1** Two base lines 25 mm apart shall be drawn parallel to the sides of the board, such that the distance between outer base line and the wall of the carrom board is as given in Table I. The two base lines shall end





## SECTION XX

( All dimensions in millimetres )

FIG. 1 CARROM BOARD

in two circles of 25 mm diameter and the ends shall be clear of the diagonals of the board by approximately 6 mm.

TABLE I DIMENSIONS OF CARROM BOARDS

( Clauses 4.1 and 4.2.1 and Fig. 1 )

( All dimensions in millimetres )

Sl No.	DIMENSIONS	SIZE 1	SIZE 2	SIZE 3	SIZE 4
(1)	(2)	(3)	(4)	(5)	(6)
i)	Outside length ( $L_1$ )	780	870	910	1 030
ii)	Inside length ( $L_2$ )	730	740	780	880
iii)	Height of wall of frame from the face board ( $h$ ), <i>Min</i>	15	15	20	22
iv)	Thickness of the face board ( $t$ ), <i>Min</i>	4	4	5	5
v)	Distance between the wall and the outer base line ( $b$ )	90	100	100	100
vi)	Diameter of the pocket hole	40 to 44	45	50	50
vii)	*Radius of curvature in case of quadrant shaped pocket hole ( optional )	—	—	50	50

\*In the case of carrom boards meant for tournament play, the pocket holes for the sizes 3 and 4 may be of quadrant shape.

**4.2.2** Four touch lines shall be drawn between ends of base lines 120 to 175 mm long such that when produced both ways, shall pass through the centre of the board and the centre of the pocket holes.

**4.2.3** A centre circle for the red draught shall be drawn having a diameter of 29 mm. The outer circle shall have a diameter of 165 mm.

**4.2.4** The ink used for marking on the face board should be of such a quality that it may not be rubbed out by constant use.

**4.3 Reinforcement** — The number of reinforcement bars shall be between 8 and 12 for Sizes 1 and 2, and between 12 and 16 for Sizes 3 and 4.

**4.4 Workmanship** — The workmanship shall be of high quality. All faces shall be finished smooth.

## 5. DESIGNATION

**5.1** The designation of the carrom board shall indicate:

- a) grade and size,

- b) type of pocket hole, and
- c) No. of this standard.

*Example:*

A carrom board of 880 mm size face board with quadrant shaped pocket holes and of Select Grade shall be designated as:

Carrom Board, Select Grade, Size 4, Quadrant Pocket,  
IS : 2719

## 6. MARKING

**6.1** Each carrom board shall carry the manufacturer's name or identification mark, if any, on the underside of the face board.

**6.1.1** The carrom board may also be marked with the ISI Certification Mark.

**NOTE** — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act, and the Rules and Regulations made thereunder. Presence of this mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard, under a well-defined system of inspection, testing and quality control during production. This system, which is devised and supervised by ISI and operated by the producer, has the further safeguard that the products as actually marketed are continuously checked by ISI for conformity to the standard. Details of conditions, under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

## 7. PACKING

**7.1** The carrom board shall be packed as agreed to between the manufacturer and the purchaser.

## 8. SAMPLING

**8.1** The acceptance criteria for carrom board shall be as agreed to between the purchaser and the supplier. A suitable sampling scheme is given in Appendix A.

## APPENDIX A

( Clause 8.1 )

SAMPLING SCHEME FOR CRITERIA FOR CONFORMITY FOR  
CARROM BOARDS

## A-1. SCALE OF SAMPLING

**A-1.1 Lot** — All carrom boards in a consignment belonging to the same size and grade shall constitute a lot.

**A-1.2** Carrom boards shall be selected and tested from each lot separately for ascertaining their conformity to the requirements of this specification.

**A-1.3** The number ( $n$ ) of carrom boards to be selected from a lot shall depend on the size ( $N$ ) of the lot and shall be in accordance with col 1 and 2 of Table II. These carrom boards shall be selected at random from the lot.

TABLE II SAMPLE SIZE AND CRITERIA FOR CONFORMITY

LOT SIZE	SAMPLE SIZE	PERMISSIBLE NUMBER OF DEFECTIVES
$N$	$n$	
(1)	(2)	(3)
2 to 8	2	0
9 to 15	3	0
16 to 25	5	0
26 to 50	8	0
51 to 150	13	1
151 and above	20	2

## A-2. NUMBER OF TESTS AND CRITERIA FOR CONFORMITY

**A-2.1** Each of the carrom boards selected as in A-1.3 shall be examined for all the requirements of this specification. A carrom board failing to meet any one of the requirements shall be regarded as defective.

**A-2.2** The lot shall be considered as conforming to the requirements of this specification if the number of defectives in the sample does not exceed the corresponding permissible number as specified in col 3 of Table II.

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