
क्रिकेट स्टंप और बेल — विशिष्टि
(दूसरा पुनरीक्षण)

**Cricket Stumps and Bails —
Specifications**
(*Second Revision*)

ICS 97.220.40

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भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
मानक भवन, 9 बहादुर शाह ज़फर मार्ग, नई दिल्ली - 110002
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI - 110002

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FOREWORD

This Indian Standard (Second Revision) has been adopted by the Bureau of Indian Standards after the draft is finalized by the Sports Goods Sectional Committee had been approved by the Production and General Engineering Division Council.

This standard was first published in 1966 and was subsequently revised in 1985. The first revision was taken up to incorporate certain modifications brought to the notice of the sectional committee while implementing the Indian Standard.

The second revision of this standard has been brought out to keep pace with the latest technological developments and international practices. In this revision, the following major changes have been made:

- a) Material and dimension specifications have been updated; and
- b) Based on the timber used for manufacturing, the stumps and bails are classified into three different categories.

The composition of the Committee, responsible for the formulation of this standard is listed in Annex B.

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 or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'.

Indian Standard
CRICKET STUMPS AND BAILS—SPECIFICATION
 (*Second Revision*)

1 SCOPE

This standard covers the requirements for stumps and bails used in the game of cricket.

2 GRADE

Based on the timber used for manufacturing, the cricket stumps and bails are classified into the following grades:

- a) Grade 1 — made of Ash wood
- b) Grade 2 — made of Eucalyptus wood
- c) Grade 3 — made of Mango or Arjun wood

The above grades can be manufactured in two sizes as given below:

- a) Adult-size cricket stumps and bails
- b) Junior-size cricket stumps and bails

3. REQUIREMENTS**3.1 Shape and Dimension**

The shape and dimension of cricket stumps and bails shall be as shown in Fig. 1. Where shape and dimensions are not specified, they are left to the discretion of the manufacturer.

3.2 Materials

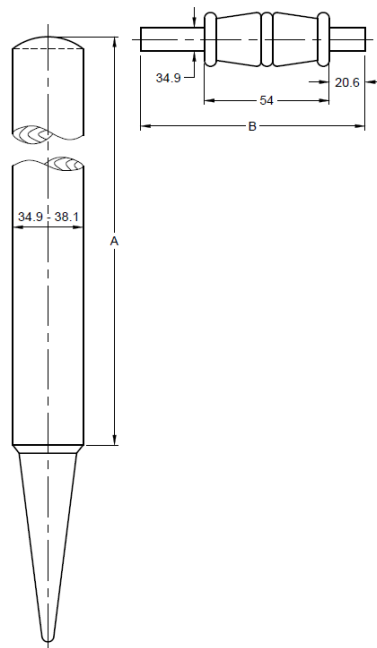
The timber used for the manufacture of stumps and bails shall be well seasoned, straight grained (slope of grain shall not to exceed 1 in 15) with none or minimal knots depending on grade, warping, and other defects. The moisture content shall be between 10 percent to 14 percent.

<i>Trade Name</i>	<i>Botanical Name</i>
Ash	<i>Fraxinus</i>
Eucalyptus	<i>Eucalyptus globulus</i>
Mango Wood	<i>Mangifera indica</i>
Arjun Wood	<i>Terminalia arjuna</i>

4 WORKMANSHIP AND FINISH

4.1 Each stump and bail shall be straight one piece and shall not have any joints. The top and the conical end of the stump shall not be covered with a metallic cap. The groove for bail shall be neatly made.

4.2 There shall be no tool marks on the surface of the stumps and the bails. The surfaces shall be finished smooth. The stumps shall be given a protective coat of good grade of clear or coloured finish or both. The varnished surface shall be smooth, uniform and hard and shall be free from bubbles and tackiness. The varnished surface shall not peel off.



<i>Adult size stumps and bails sets</i>				<i>Junior size stumps and bails sets</i>			
<i>A, mm</i>	<i>Tolerance, mm</i>	<i>B, mm</i>	<i>Tolerance, mm</i>	<i>A, mm</i>	<i>Tolerance, mm</i>	<i>B, mm</i>	<i>Tolerance, mm</i>
711	± 3	109.5	± 2	685.8	± 3	96.8	± 2

(All dimensions in millimetres)

FIG. 1 DETAILS OF STUMP AND BAIL

5 TEST

5.1 Support the stump at its two ends with its axis horizontal, place a weight of 20 kg on its middle point suitably, then lift the weight through 100 mm and drop. This shall be done 5 times, and the stump shall not show any failure or damage at the end of the test.

5.2 The stumps shall be straight. The maximum warp shall not be more than 2 mm across the entire length.

6 SAMPLING

Sampling and criteria for acceptance for stumps and bails shall be as agreed to between the purchaser and the supplier. A recommended scheme for the same is given in Annex A.

7 PACKING AND MARKING

7.1 Packing

The stumps and bails shall be suitably packed as agreed to between the purchaser and the supplier.

7.2 Marking

7.2.1 Each stump shall be embossed, printed, or stickered with the following:

- Initials or recognized trade-mark of the manufacturer towards the top end.
- Month and year of manufacturing; and
- Grade of stamps and bails.

7.2.2 BIS Certification Marking

The product(s) conforming to the requirements of this standard may be certified as per the conformity

assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the product(s) may be marked with the standard mark.

ANNEX A
(Clause 6)

RECOMMENDED SAMPLING SCHEME AND CRITERIA FOR CONFORMITY FOR CRICKET STUMPS AND BAILS

A-1 LOT

A-1.1 In any consignment, all the cricket stumps and bails of one grade and manufactured from the same raw materials shall be grouped together to constitute a lot.

A-1.2 Each lot shall be tested separately to ascertain its conformity to the requirements of this standard.

A-2 SELECTION OF SAMPLES

The number of cricket stumps and bails to be selected at random for inspection from each lot shall be in accordance with col 2 and 3 of Table 1.

A-3 NUMBER OF TESTS AND CRITERIA FOR CONFORMITY

Each stump and bail selected in accordance with A-2 and Table 1 shall be examined for materials of construction, length & dimensions. The lot shall be declared as conforming to the requirements of this standard if the number of defective stumps and bails with respect to any one or more of the requirements does not exceed the corresponding permissible number given in col 4 of Table 1.

Table 1 Sample Size and Criteria for Conformity
(Clauses A-2 and A-3)

SI No.	Lot size (Number of Stumps and Bails in Each Lot)	Samples Size (Number of Stumps and Bails to be Selected)	Permissible Number of Minor Defective stumps and Bails
(1)	(2)	(3)	(4)
i)	Up to 25	3	0
ii)	26 to 50	5	1
iii)	51 to 100	8	2
iv)	101 to 150	13	2
v)	151 to 300	20	3
vi)	301 to 500	32	3
vii)	501 and above	50	4

ANNEX B
(Foreword)

COMMITTEE COMPOSITION

Sports Goods Sectional Committee, PGD 41

<i>Organization</i>	<i>Representative(s)</i>
Sports Goods Export Promotion Council	SHRI TARUN DEWAN (<i>Chairperson</i>)
All India Lawn Tennis Association, New Delhi	SHRI NAR SINGH
Anand & Anand	SHRI ASHISH ANAND
Athletic Federation of India	SHRI SANDEEP MEHTA SHRI GOPALA KRISHNAN (<i>Alternate</i>)
Central Institute of Plastics Engineering & Technology (CIPET), Murthal	DR S. N. YADAV
COSCO India Pvt. Ltd, Gurgaon	SHRI PANKAJ JAIN SHRI NARINDER JAIN (<i>Alternate</i>)
Director Equipment Sports Authority of India, New Delhi	SHRI ROQUE DIAS
Freewill Sports Pvt Ltd, Jalandhar	SHRI RAJESH KHARBANDA
Government e Market Place, New Delhi	SHRI N. K. MALHOTRA
Gymnastic Federation of India, Mumbai	SHRI RIAZ BHATI
Hockey India	COMMANDER R K SRIVASTAVA
Micro, Small and Medium Enterprises, Technology Development Centre, New Delhi	SHRI V. K. SINGH
NELCO (India) Pvt Ltd, Meerut	SHRI AMBER ANAND
Office of Development Commissioner (MSME), Delhi	SHRI SUNIL GUPTA
Premier Enterprises, Meerut	SHRI SUMESH AGARWAL SHRI KSHITIJ AGARWAL (<i>Alternate</i>)
Process Cum Product Development Centre, Meerut	SHRI SUNIL GUPTA
Ranson Sports Industry, Jalandhar	SHRI ARVIND SINGH RANA
Sanspareils Greenlands Pvt Ltd, Meerut	SHRI PUNEET ANAND ALOK MISHRA (<i>Alternate</i>)
Shri Ram Institute For Industrial Research, Delhi	DR VINAY TYAGI

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Soccer International Pvt Ltd, Jalandhar	MS SHAALINI GUPTA
Softball Association of India	MS SHIBANI TAGORE
Sports Goods Manufacturers and Exporters Association (SGMEA), Jalandhar	MS HARSHITA
Sports Line, New Delhi	SHRI OJASVI NAGPAL
Stag International Sports, Meerut	SHRI RAKESH KOHLI SHRI VIVEK KOHLI (<i>Alternate</i>)
Universal Sports, Jalandhar	SHRI MAHESH CHADHA
Vats Sports, Meerut	SHRI LOKESH VATS
Voluntary Organisation In Interest Of Consumer Education (Voice), New Delhi	SHRI M. A. U. KHAN
BIS Directorate General	SHRI R. R. SINGH, SCIENTIST 'E'/DIRECTOR AND HEAD (PRODUCTION AND GENERAL ENGINEERING DEPARTMENT) [REPRESENTING DIRECTOR GENERAL (<i>Ex-officio</i>)]

MEMBER SECRETARY
SHRI AJAY KUMAR
SCIENTIST 'B'/ASSISTANT DIRECTOR
(PRODUCTION AND GENERAL ENGINEERING DEPARTMENT), BIS

Bureau of Indian Standards

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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones: 2323 0131, 2323 3375, 2323 9402

Website: www.bis.gov.in

Regional Offices:

	Telephones
Central : 601/A, Konnectus Tower -1, 6 th Floor, DMRC Building, Bhavbhuti Marg, New Delhi 110002	{ 2323 7617
Eastern : 8 th Floor, Plot No 7/7 & 7/8, CP Block, Sector V, Salt Lake, Kolkata, West Bengal 700091	{ 2367 0012 2320 9474
Northern : Plot No. 4-A, Sector 27-B, Madhya Marg, Chandigarh 160019	{ 265 9930
Southern : C.I.T. Campus, IV Cross Road, Taramani, Chennai 600113	{ 2254 1442 2254 1216
Western : Plot No. E-9, Road No.-8, MIDC, Andheri (East), Mumbai 400093	{ 2821 8093

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