

---

---

क्रिकेट बैट — विशिष्टि  
भाग 1 चमड़े की गेंद के उपयोग के लिए  
( तीसरा पुनरीक्षण )

**Cricket Bats — Specification**  
**Part 1 For Leather Ball Use**  
( *Third Revision* )

ICS 97.220.40

© BIS 2023



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

[www.bis.gov.in](http://www.bis.gov.in) [www.standardsbis.in](http://www.standardsbis.in)

## FOREWORD

This Indian Standard (Part 1) (Third 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 1956 as a tentative standard and was subsequently revised in 1966 and 1979. In the second revision, cricket bats had been classified into two grades depending upon the quality of willow used for the blade and the number of sections of cane used in the handle.

In this revision, IS 828 has been split up into two parts. Part 1 of the standard covers the specification for cricket bats which are used to play with leather balls, while Part 2 of this standard covers the specification for cricket bat for recreational purposes like tennis ball cricket, beach cricket, tape ball cricket, and alike.

In this revision, the following major changes have been made:

- a) Scope of the standard has been modified;
- b) Material and dimension specifications have been updated;
- c) Specification for different sizes of bats have been incorporated; and
- d) Test method for dimension check has been added.

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 BATS — SPECIFICATION**  
**PART 1 FOR LEATHER BALL USE**  
*( Third Revision )*

## 1 SCOPE

**1.1** This standard covers the requirements for cricket bats which are used to play with leather balls, and are made from English and Kashmir willow.

**1.2** This standard, however, does not cover the requirement for cricket bats made from poplar wood (*populus tremula*) and similar species of wood that is used for recreational purposes like tennis ball cricket, beach cricket, tape ball cricket, and alike.

## 2 TERMINOLOGY

**2.1 Kashmir Willow** — This has become the generic name for bats made from willow sourced locally within India, since most of it still comes from Jammu & Kashmir it is called Kashmir Willow. It is the type of willow that is harder and heavier and comes with grains that are not clear and straight.

**2.2 English Willow** — This has become the generic name for bats made from imported willow. Most of it still comes from England but is also now sourced from other countries as well. These willows provide good strength and compression. They are divided into multiple grades with the higher grade being the best quality where grains are straighter on the bat.

**2.3 Handle** — The part that is wholly outside the blade is defined as the handle. It is a straight shaft for holding the bat.

**2.4 Blade** — The blade comprises the whole bat apart from the handle.

## 3 REQUIREMENTS

### 3.1 Materias

#### 3.1.1 Blade

The blade shall be made of salix willow or a combination of other similar wood. The timber shall be fully seasoned and free from defects like big knots, splits, cracks, or borer infestation.

#### 3.1.2 Handle

The handle shall be made from sections of good quality suitable cane seasoned between 10 percent to 15 percent moisture content. The cane used for the purpose shall be free from defects, such as hollowness, borer holes, and insect attack.

### 3.2 Shape and Dimension

#### 3.2.1 Length

The overall length of bat shall not exceed 965 mm. The length for different sizes of bats shall be as mentioned in Table 1.

#### 3.2.2 Width of Blade

The width of the blade shall not be more than 108 mm (*see Fig. 1*)

#### 3.2.3 Dimensions of Handle

The dimension of the handle shall be as agreed between the purchaser and the supplier. The recommended handle length for different sizes of bat is mentioned in Table 1.

#### 3.2.4 Edge Thickness

The edge thickness of the blade shall not be more than 40 mm (*see Fig. 1*)

**3.2.5 Spine Thickness**

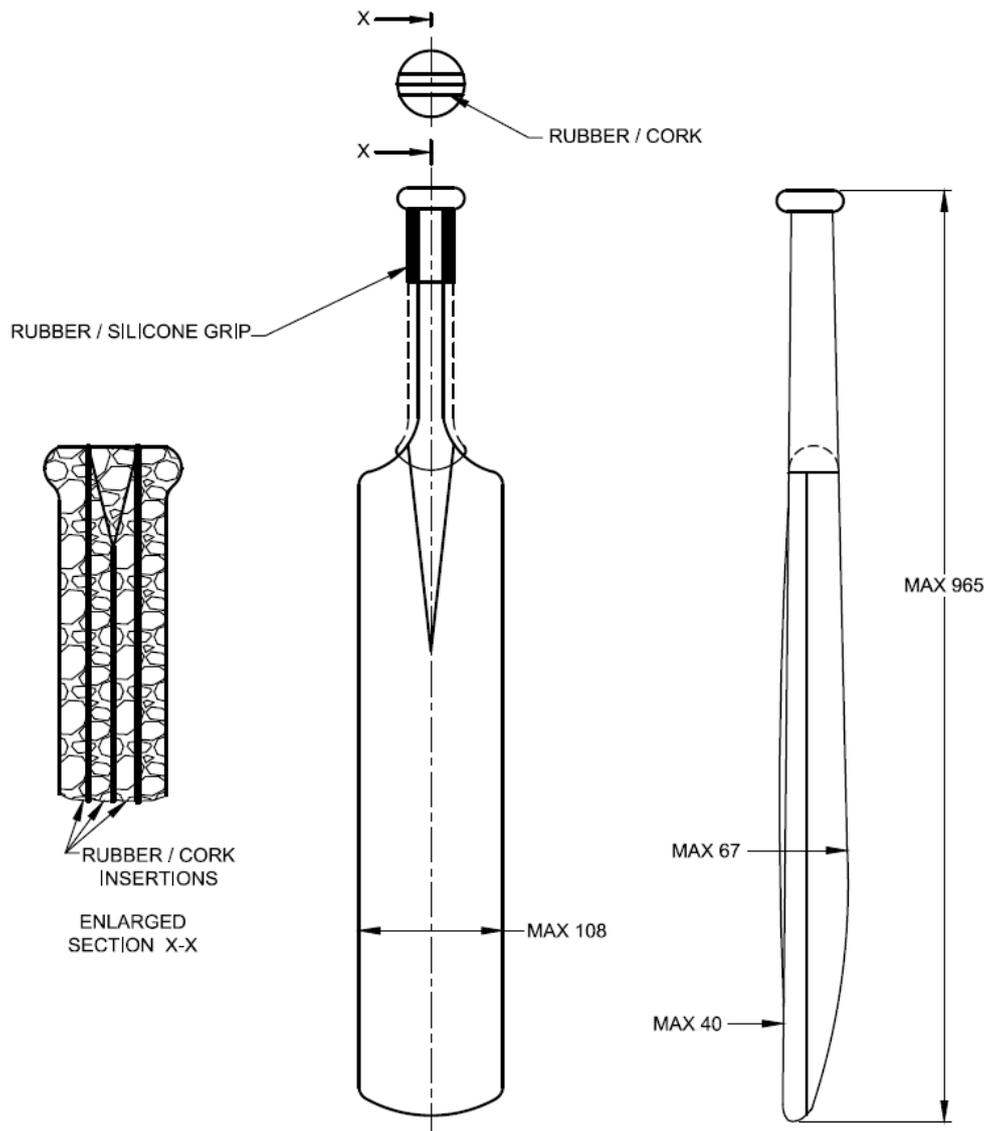
The spine thickness of the blade shall not be more than 67 mm (see Fig. 1)

**3.3 Weight**

The weight of the bat shall be as agreed between the purchaser and the supplier. The recommended weight for different sizes of the bat is mentioned in Table 1.

**Table 1 Requirements of Cricket Bats**  
(Clause 3.2 and 3.3)

Sl No.	Size	Overall Length, mm, $\pm 5$ mm	Handle Length, mm $\pm 3$ mm	Weight, in g
(1)	(2)	(3)	(4)	(5)
i)	Long Handle & Long Blade	889	318	1150 to 1400
ii)	Short Handle & Long Blade	871	298	1100 to 1350
iii)	Long Handle & Standard Blade	871	318	1000 to 1350
iv)	Short Handle	850	298	1000 to 1300
v)	Harrow	830	280	950 to 1180
vi)	No.6	800	267	900 to 1150
vii)	No.5	780	254	800 to 1080
viii)	No.4	740	254	700 to 1000
ix)	No.3	720	241	600 to 900
x)	No.2	680	241	500 to 700
xi)	No.1	650	229	400 to 650



(All dimensions are in millimetres)

FIG. 1 CRICKET BAT

#### 4 CONSTRUCTION AND WORKMANSHIP

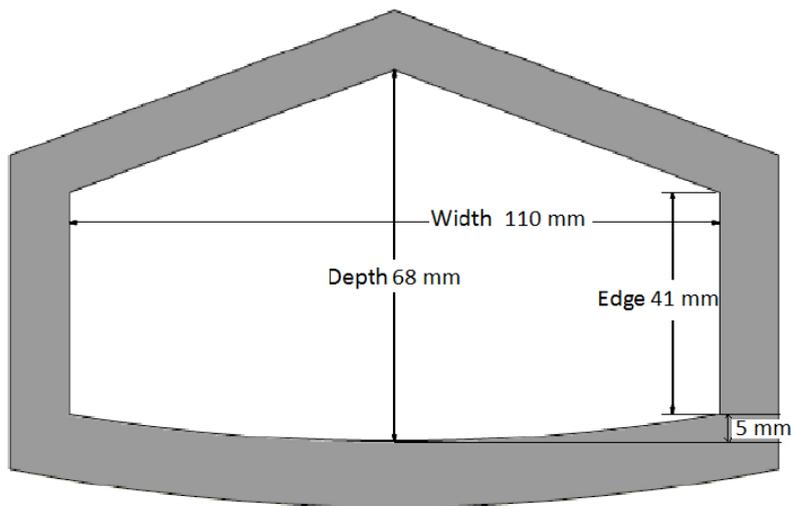
The handle shall be fitted securely and firmly into the blade with a joint. The joint shall be securely glued with cold-setting, synthetic resin adhesive. The handle shall be provided with rubber or cork insertions along the length to give the bat resilience. The handle shall be bound by thread and covered with rubber or silicone grip. The face of the blade and edges shall be hand-hammered or compressed by machine. The edges of the blade shall be well rounded and its face and the back shall be fine sandpapered.

#### 5 SAMPLING

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

#### 6 TEST

All bats with or without protective covering shall pass through the bat gauge. The dimension and shape of the gauge is given in Fig. 2.



Note: The curve of the lower edge of the aperture is an arc of a circle of radius 300 mm, whose centre is on the vertical centre line of the aperture.

FIG. 2 CRICKET BAT GAUGE

## 7 PACKING AND MARKING

### 7.1 Packing

Cricket bats shall be suitably packed as agreed to between the purchaser and the supplier.

### 7.2 Marking

7.2.1 The following information shall be clearly marked on the face/package of the bat:

- a) Manufacturer's or supplier's name, initials or trade-mark;

- b) Generic category of willow, that is, 'English' or 'Kashmir; and
- c) Size of bat

### 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 5)

**RECOMMENDED SAMPLING SCHEME AND CRITERIA FOR  
CONFORMITY FOR CRICKET BATS**

**A-1 LOT**

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

**A-1.1.1** Each lot shall be tested separately to ascertain its conformity to the requirements of this standard.

**A-2 SELECTION OF SAMPLES**

**A-2.1** The number of bats to be selected at random for inspection from each lot shall be in accordance with col 2 and 3 of Table 1.

**TABLE 1 SAMPLE SIZE AND CRITERIA FOR CONFORMITY**  
(Clauses A-2.1 and A-3.1)

Sl. No	Number of bats in the Lot	Number of bats to be Selected in the Sample	Permissible Number of Defective bats
(1)	(2)	(3)	(4)
i)	Up to 25	3	0
ii)	26 to 50	5	0
iii)	51 to 100	8	1
iv)	101 to 150	13	1
v)	151 to 300	20	2
vi)	301 to 500	32	3
vii)	501 and above	50	4

**A-3 NUMBER OF TESTS AND CRITERIA FOR CONFORMITY**

**A-3.1** Each bat selected in accordance with **A-2.1** and Table 1 shall be examined for materials of construction, weight, length, width of the blade, dimensions of the handle, and construction. The lot shall be declared as conforming to the requirements

of this standard if the number of defective bats with respect to any one or more of the requirements does not exceed the corresponding permissible number given in col 4 of Table 1.

**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
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) [REPRESENTING DIRECTOR GENERAL ( <i>Ex-officio</i> )]

*Member Secretary*  
SHRI AJAY KUMAR  
SCIENTIST 'B'/ASSISTANT DIRECTOR  
(PRODUCTION AND GENERAL ENGINEERING), BIS





## Bureau of Indian Standards

BIS is a statutory institution established under the *Bureau of Indian Standards Act, 2016* to promote harmonious development of the activities of standardization, marking and quality certification of goods and attending to connected matters in the country.

### Copyright

BIS has the copyright of all its publications. No part of these publications may be reproduced in any form without the prior permission in writing of BIS. This does not preclude the free use, in the course of implementing the standard, of necessary details, such as symbols and sizes, type or grade designations. Enquiries relating to copyright be addressed to the Head (Publication & Sales), BIS.

### Review of Indian Standards

Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the website- [www.bis.gov.in](http://www.bis.gov.in) or [www.standardsbis.com](http://www.standardsbis.com).

This Indian Standard has been developed from Doc No.: PGD 41 (18532).

### 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](http://www.bis.gov.in)

### Regional Offices:

	Telephones
Central : 601/A, Konnectus Tower -1, 6 <sup>th</sup> Floor, DMRC Building, Bhavbhuti Marg, New Delhi 110002	{ 2323 7617
Eastern : 8 <sup>th</sup> 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

**Branches :** AHMEDABAD. BENGALURU. BHOPAL. BHUBANESHWAR. CHANDIGARH. CHENNAI. COIMBATORE. DEHRADUN. DELHI. FARIDABAD. GHAZIABAD. GUWAHATI. HIMACHAL PRADESH. HUBLI. HYDERABAD. JAIPUR. JAMMU & KASHMIR. JAMSHEDPUR. KOCHI. KOLKATA. LUCKNOW. MADURAI. MUMBAI. NAGPUR. NOIDA. PANIPAT. PATNA. PUNE. RAIPUR. RAJKOT. SURAT. VISAKHAPATNAM.