



उत्पाद मानुयल
कैनवास के जूते, रबर के सोल के लिए
आईएस 3736: 1995 के अनुसार

**PRODUCT MANUAL FOR
FOR CANVAS BOOTS, RUBBER SOLE
ACCORDING TO IS 3736: 1995**

भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम 2018 की स्कीम-1 के तहत यह उत्पाद मानुयल प्रमाणीकरणके प्रचलन में रीति और पारदर्शिता के सुसंगत सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों एवं लाइसेन्स धारियों द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस लाइसेन्स/प्रमाण पत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज़ का उपयोग किया जा सकता है।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure coherence of practice and transparency in operation of certification under Scheme-I of Bureau of Indian Standards (Conformity Assessment) Regulations, 2018 for various products. The document may also be used by prospective applicants desirous of obtaining BIS certification licence/certificate.

1.	उत्पाद Product	:	आईएस 3736: 1995
	शीर्षक Title	:	कैनवास के जूते, रबर के सोल CANVAS BOOTS, RUBBER SOLE
	संशोधन संख्या No. of Amendments	:	03
2.	नमूनाकरण दिशा निर्देश Sampling Guidelines:		
क)	कच्चा माल Raw material	:	Canvas boots shall be made of materials which conform to the requirements of Cl 4.1 of IS 3736.
ख)	समूहिकरण दिशा निर्देश Grouping guidelines	:	One sample of any size shall be tested to cover canvas boots of all sizes, for Grant of Licence as well as for CSOL subject to availability of testing and manufacturing facilities. During operation, each variety (size) of boots shall be tested in rotation.
ग)	नमूने का परिमाण Sample Size	:	Two Pairs. Test Pieces to be provided separately if samples for testing cannot be taken out from the product.
3.	परीक्षण उपकरणों की सूची List of Test Equipment	:	कृपया Annex-ए देखें Please see Annex – A
4.	निरीक्षण व परीक्षण स्कीम Scheme of Inspection	:	कृपया Annex-B देखें Please see Annex – B Note: Please see Cl. 7 of the SIT for Applicability of SIT for

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	and Testing	Small and Micro Scale Enterprises
5.	एक दिन में संभावित परीक्षण Possible tests in a day :	
	i) Width of Materials (Clause 4.1.3, 4.1.4) ii) Fabric Laces (Clause 4.1.6.1) iii) Ageing (Clause 4.1.7.3) iv) Thickness of Components (Clause 4.1.7.4) v) Design (Clause 4.2) vi) Leg Height (Clause 4.3) vii) Construction (Clause 4.4) viii) Finish (Clause 4.5) ix) Mass (Clause 4.6) x) Consolidation Test (Clause 4.7) xi) Adhesion Test (Clause 4.8) xii) Adhesion Test (Clause 4.8) xiii) Composite Breaking Strength Test (Clause 4.9) - On conditioned samples as applicable	
6.	लाइसेन्स का कार्यक्षेत्र / Scope of the Licence:	
“आईएस 3736 : 1995 के अनुसार मानक मुहर का उपयोग करने के लिए लाइसेन्स निम्नलिखित कार्यक्षेत्रके लिए प्रदान किया जाता है “Licence is granted to use Standard Mark as per IS 3736 : 1995 with the following scope:		
	उत्पाद का नाम Name of the product	CANVAS BOOTS, RUBBER SOLE
	आकार Size	As applicable

BUREAU OF INDIAN STANDARDS
Manak Bhawan, 9, Bahadur Shah Zafar Marg,
New Delhi – 110002

ANNEX A

List of Test Equipment

Major test equipment required to test as per the Indian Standard

Sl. No.	Tests used in with Clause Reference	Test Equipment
1	Tensile Test of Material (Clause 4.1.1, 4.1.2, 4.1.3 & 4.1.4 and Table 1&2)	Tensile testing machine, Steel scale, Conditioning chamber, Scissors.
2	Thread Counts of Material (Clause 4.1.1, 4.1.2 & 4.1.4 and Table 1)	Conditioning chamber, Clamps, Forceps, Porter gauge, Steel scale, Scissors.
3	Width of Material (Clause 4.1.3, 4.1.4)	Vernier caliper
4	Tensile Test of Sewing Threads (Clause 4.1.5.1)	Tensile testing machine, Conditioning chamber, Steel scale.
5	Fabric Laces (Clause 4.1.6.1)	Steel tape, Tensile testing machine, Alkaline hydrosulphite solution, Stop watch, Hot plate, Test tube, Stannous chloride solution, Lead acetate, Filter paper.
6	Rubber Components (Clause 4.1.7.2, 4.1.7.3 & 4.1.7.4 and Table 4 to 6)	Conditioning chamber, Analytical balance, accurate to ± 1 mg, Balance pan straddle, Beaker, 250 ml, Distilled water, Filament, Knife, Hardness tester/ Durometer, Ross flexing machine, Ageing oven, Dies and cutters, Tensile testing machine, Vernier calliper, Thickness gauges, Compression set apparatus.
7	Leg Height (Clause 4.3)	Steel scale
8	Construction (Clause 4.4)	Steel scale, Vernier calliper, Thickness gauge.
9	Mass (Clause 4.6)	Weighing balance
10	Consolidation Test (Clause 4.7) Adhesion Test (Clause 4.8) (Fig. 4)	Vernier calliper, Dies and cutters, Conditioning chamber, Steel scale, Air conditioner, Tensile testing machine/Static load strip test apparatus.
11	Composite Breaking Strength Test (Clause 4.9)	Vernier calliper, Dies and cutters, Steel scale, Tensile testing machine.

The above list is indicative only and may not be treated as exhaustive.

ANNEX B

SCHEME OF INSPECTION AND TESTING

1. LABORATORY - A laboratory shall be maintained which shall be suitably equipped (as per the requirement given in column 2 of Table 1) and staffed, where different tests given in the specification shall be carried out in accordance with the methods given in the specification.

1.1 The manufacturer shall prepare and implement a calibration plan for the test equipments.

2. TEST RECORDS – The manufacturer shall maintain test records for the tests carried out to establish conformity.

3. PACKING AND MARKING–The Standard Mark as given in Schedule of the licence shall be stamped on each ~~odd pair of~~ boots provided always that the boots to which this mark is thus applied conforms to all requirements of the specification.

3.1 Marking and packing (if applicable) shall be done as per the provisions of the Indian Standard. In addition, the following details shall be mentioned (through tags/stickers or otherwise) on the package/Product (in case only bulk packaging is done):

- a. BIS Licence No. CM/L .
- b. name and address of manufacturer,
- c. BIS website details i.e–“For details of BIS certification please visit www.bis.gov.in”

4. CONTROL UNIT – For the purpose of this scheme, all finished boots produced in a day or any other quantity as defined by the manufacturer, vulcanized at a time shall constitute a control unit.

5. LEVELS OF CONTROL - The tests as indicated in column 1 of Table 1 and the levels of control in column 3 of Table 1, shall be carried out on the whole production of the factory which is covered by this plan and appropriate records maintained in accordance with paragraph 2 above.

5.1 All the production which conforms to the Indian Standards and covered by the licence should be marked with Standard Mark.

6. REJECTIONS – Disposal of non-conforming product shall be done in such a way so as to ensure that there is no violation of provisions of BIS Act, 2016.

7. Applicability of SIT for Small and Micro Enterprises (SMEs):

7.1 Compliance to the Scheme of Inspection and Testing is OPTIONAL for Micro, and Small Scale Units with respect to the requirements for Clause 1(Laboratory), Clause 2 (Test records), Clause 4 (Control Unit) and Clause 5 (Levels of Control) of the SIT. However, ALL units shall ensure compliance of their products to the requirements of the Indian Standard.

7.2 The requirements of SIT with respect to Clause 3 (Packing and Marking) and Clause 6 (Rejection) shall be followed by all.

TABLE 1
LEVELS OF CONTROL

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Test Method			No. of Sample	Frequency	Remarks
		Clause	Referenc e				
4.1	Material						No testing is required if the material is ISI marked. Received with Test report from a BIS recognized laboratory
4.1.1	Upper a) Overlayer i. Construction ii Breaking load -Warp -Weft -Ends -Picks	4.1.1, Table 1	IS 3736 IS 1969 IS 1963	S	one	Each consignment	
4.1.1.1	Colour fastness	-	IS 686 IS 2454 IS 764	S	one	Each consignment	
4.1.2	Lining Material	4.1.2, Table 1	IS 3736 IS 1969	S	one	Each consignment	
4.1.3	Binding Material a) Width b) Breaking load c) Colour fastness d) Sulphur Dye	4.1.3, Table 2 Annex B	IS 3736 IS 1954 1969 IS 686 or IS 2454 IS 764 IS 3736	S	one	Each consignment	
4.1.4	Reinforcement Material	4.1.4, Table 1	IS 3736	S	one	Each consignment	
4.1.5	Thread for Upper Closing	-	IS 3736	S	One	Each consignment	
4.1.6	Fabric Laces	-	IS 3736	S	One	Each consignment	
4.1.7	Rubber Components	4.1.7.1, 4.1.7.2, Table 4	IS 3736	S	One	Each consignment	

4.1.7.3	Ageing	4.1.7.3, Table 5	IS 3736	R	One	Each control unit	mixing mill shall constitute a batch of rubber component
4.1.7.4 & Table 6	Thickness and material of Components	4.1.7.4, Table 6	IS 3736	R	Manufacturer shall ensure adequate inspection and in process control, to ensure product meets specified requirements and maintain test records		
BOOTS							
4.2	Design	-	IS 3736	R	Manufacturer shall ensure adequate inspection and in process control, to ensure product meets specified requirements and maintain test records		
4.3	Leg Height	-	IS 3736	R			
4.4	Construction	4.4.1 to 4.4.10	IS 3736	R			
4.4.6	Eyelets	-	IS 3736	R			
4.5	Finish	4.5.1 & 4.5.2	IS 3736	R			
4.6	Mass	-	IS 3736	R	one	Each Control unit	
4.7	Consolidation Test	-	IS 3736	R	one	Each Control unit	
4.8	Adhesion Test	-	IS 3736	R	one	Each Control unit	
4.9	Composite Breaking Strength Test	-	IS 3736	R	one	Each Control unit	

Note-1: Whether test equipment is required or sub-contracting is permitted in column 2 shall be decided by the Bureau and shall be mandatory. Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empaneled by the Bureau.

Note-2: Levels of control given in column 3 are only recommendatory in nature. The manufacturer may define the control unit/batch/lot and submit his own levels of control in column 3 with proper justification for approval to BO head.