उत्पाद मैनुअल
जयपुर पैर
आईएस 17034:2026 के अनुसर

PRODUCT MANUAL
JAIPUR FOOT
According to IS 17034:2026

यह उत्पाद नियमावली सभी क्षेत्रीय/शाखा कार्यालयों और लाइसेंसधारियों द्वारा विभिन्न उत्पादों के लिए भारतीय मानक ब्यूरो (अनुरूपता मूल्यांकन) विनियम, 2018 की योजना-I के अंतर्गत प्रमाणन के संचालन में एकरूपता और पारदर्शिता सुनिश्चित करने के लिए संदर्भ सामग्री के रूप में उपयोग की जाएगी। बीआईएस प्रमाणन प्राप्त करने के इच्छुक भावी आवेदक भी इस दस्तावेज़ का उपयोग कर सकते हैं।

This Product Manual shall be used as reference material by all Regional/Branch Offices & licensees to ensure uniformity 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.

1.	**मानक संख्या / IS No.**	:	IS 17034:2026
	शीर्षक / Title	:	Jaipur Foot
	संशोधनों की संख्या **No. of amendments**	:	0
2.	**नमूनाकरण दिशानिर्देश / Sampling Guidelines**		
a)	**कच्चा माल** **Raw material**	:	As per Cl. 5, Cl. 6.1 to 6.8 and Table 2 of IS 17034 *Note: This section indicates the requirements for raw material (if specified in the IS) for which compliance is to be established during Grant of Licence/Change in Scope of Licence/Factory Surveillance.*
b)	**समूहीकरण दिशानिर्देश** **Grouping Guidelines**	:	For considering GoL/CSoL of a range of sizes of Jaipur Foot, sample of lowest size and highest size shall be tested. In such cases, cyclic testing shall be carried out on the highest size only.
c)	**नमूने का परिमाण** **Sample Quantity**	:	01 no.
d)	**परीक्षण अनुरोध में घोषित किए जाने वाले पैरामीटर** **Parameters to be Declared in Test Request**		Same as the parameters given in scope of the licence under S. No. 6. *Note: Apart from the above, any other requirements/ parameters may also be declared as per the standard, as applicable.*
3.	**परीक्षण उपकरण की सूची** **List of Test Equipment**	:	Please refer **ANNEX – A**
4.	**निरीक्षण एवं परीक्षण योजना** **Scheme of Inspection and Testing**	:	Please refer **ANNEX – B**

5.	**एक दिन में संभावित परीक्षण** **Possible tests in a day**	:	• Dimensions (Cl. 4.1) • Performance Test (Cl. 6.9.2.1 to Cl. 6.9.2.4) *Note: This section is for the guidance of BIS Certification Officers/ Technical Auditors of BIS Authorized Outside Surveillance Agencies (OSAs) during factory inspection to provide ready reference regarding the tests which can be witnessed during the inspection in the factory by the officer/ auditor.*
6.	**लाइसेंस का दायरा / Scope of the Licence:**		
"License is granted to use Standard Mark as per **IS 17034:2026** with the following scope:			
Name of the product		Jaipur Foot	
Size		04 / 05 / 06 / 07 / 08 / 09 / 10	

BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9, BAHADUR SHAH ZAFAR MARG, NEW DELHI-110002
www.bis.gov.in

ANNEX- A
List of Test Equipments
(Indicative List, For Guidance Only)

Major test equipment required to test as per the Indian Standard

Sl. No.	Cl. Ref. (IS 17034)	Tests used in with Clause Reference	Test Equipment
1.	4.1, Table 1	Dimensions	Steel Scale Vernier calliper Measuring tape
2.	5, 6.1, Table 2	Hardness	Apparatus as per Cl. 5 of IS 3400 (Part 2/Sec 2)
3.	5, 6.2, Table 2	Relative Density	Analytical Balance Balance pan straddle De- Ionized Water Beaker (Or) Density Bottle
4.	5, 6.3, Table 2	Relative Volume Loss	Abrasion Machine Abrasive Sheet Balance
5.	5, 6.4, Table 2, ANNEX C	Shrinkage Test	Thermostatically controlled Oven with natural air replacement, Scale
6.	5, 6.5, Table 2	Resistance to Flex Cracking	De Mattia Flex tester Moulding Die
7.	5, 6.6, Table 2	Accelerated Ageing Test	Tensile-testing machine Dies and cutters Thickness gauge Cone Gauge Apparatus as per Cl. 5 of IS 3400 (Part 2/Sec 2) Air Circulated Oven with Temperature Controller
8.	5, 6.7, Table 2	Compression Set	Compression Assembly (Compression plates, Steel Spacers, Clamping Device) Clamping Device Oven Pair of Tongs Thickness Gauge Stopwatch
9.	5, 6.8, Table 2	Tensile Strength & Elongation at Break	Tensile-testing machine Dies and cutters Thickness gauge Cone Gauge
10.	6.9, ANNEX B	Performance Test and Cyclic loading	Cantilever Clamping Devices Protractor Cyclic Loading Machine

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

ANNEX B
Scheme of Inspection and Testing

1. QUALITY ASSURANCE PLAN

1.1 It is expected that during operation of BIS licence manufacturers will implement a Quality Assurance Plan (QAP) i.e. a plan of regular testing and in-process controls, designed to ensure that the product bearing the Standard Mark conforms to all requirements of the Indian Standard.

1.2 The manufacturers shall define a Quality Assurance Plan (QAP) defining the control unit (i.e. lot/batch etc.), the levels of control (i.e. the frequency and number of samples for conducting the different tests as per the Indian Standard) and declare the arrangement for testing i.e. whether in-house or sub-contracting/ sharing for each applicable test and submit the same to BIS Branch Office for information. The manufacturer shall comply with the QAP and maintain test records in accordance with para 2.1.

1.3 Recommended Levels of Control/ Control Unit:

1.3.1 For the guidance of manufacturers, the recommended definition of control unit is: *entire quantity of Jaipur Foot of same size, manufactured from same consignment of material under similar conditions of production* constitute a control unit.

1.3.2 For the guidance of manufacturers in preparing the Quality Assurance Plan, recommended levels of control are given in Table 1. Manufacturer has the discretion of declaring their own levels of control or accept the levels of control given in this document.

1.3.3 The manufacturer shall ensure inspection and testing as per the Quality Assurance Plan submitted by them on the whole production of the factory which is covered by this plan.

1.4 However, all manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard.

2. ENSURING COMPLIANCE THROUGH TESTING

The manufacturers shall ensure compliance of their products to all the requirements of the Indian Standard for which they may have in-house test facilities. However, there is no obligation to maintain in-house laboratory. Licensee may use alternative arrangements for tests of the production as per the declared QAP. Various alternatives are available for operation of BIS certification as given below and the relevant guidelines for availing such relaxations by the manufacturers, as amended from time to time, are to be referred:

i) Shared testing resources like common facility,
ii) Cluster based testing facility,
iii) Sub-contracting to outside laboratories which may either be:
  a) BIS recognised/ empanelled laboratories, or
  b) Any accredited laboratory as per ISO/IEC 17025

2.1 Test Records- The manufacturers shall maintain test records for the tests carried out (either in-house or at a sub-contracted or at shared test facility) to establish conformity of the product to the Standard for operation of licence. For the tests being subcontracted or conducted at a shared test facility, test results issued by the laboratories or test facilities, shall be made available for inspection by BIS.

3. PACKING AND MARKING

The Standard Mark as given in the Schedule of the licence shall be incorporated legibly and indelibly on on the packaging of the Jaipur Foot provided always that the Jaipur Foot so marked conforms to each requirement of the specification.

3.1 Marking and Packaging of Jaipur Foot shall be done as per Cl. 7 and Cl. 8 of IS 17034:2026.

3.2 **Additional Marking requirements**: The Jaipur Foot shall also be marked with the following additional requirement on its packaging:

a) "For BIS certification details please visit www.bis.gov.in"

4. REJECTION

The production which conforms to the Indian Standard and covered under the scope of this licence shall be marked with the Standard Mark. 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.

TABLE-1

(Recommended Levels of Control by BIS- for Guidance Only)

(1)				(2)		
Test Details				**Levels of Control**		
Cl.	**Requirement**	**Test Methods**		**No. of Sample**	**Frequency**	**Remarks**
		Clause	**Reference**			
4.1	Dimensions	4.1, Table 1	IS 17034	01	Each Control Unit	
5	Material	5, Table 2	IS 17034	One sample of each rubber type	Once in a month or whenever there is any change of material supplier whichever is earlier	
6.1	Hardness		IS 3400 (Part 2/Sec 2)			
6.2	Relative Density		IS 3400 (Part 9)			
6.3	Relative Volume Loss		IS 3400 (Part 3)			
6.4	Shrinkage Test	ANNEX C	IS 17034			
6.5	Resistance to Flex Cracking		IS 3400 (Part 7)			
6.6	Accelerated Ageing Test		IS 3400 (Part 1) IS 3400 (Part 2/Sec 2) IS 3400 (Part 4)			
6.7	Compression Set		IS 3400 (Part 10/Sec 1)			
6.8	Tensile Strength & Elongation at Break		IS 3400 (Part 1)			
6.9	Performance Test	6.9	IS 17034			
	Load Deflection Test	6.9.2.1, 6.9.2.2	IS 17034	01	Each Control Unit	
		6.9.2.3, 6.9.2.4	IS 17034	01	Once in a month	
	Cyclic loading test	6.9.2.5	IS 17034	01	Once in six months	