



PRODUCT MANUAL FOR TROLLEYS, STRETCHER ACCORDING TO IS 4035:1967

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.	Product	:	IS 4035:1967
	Title	:	TROLLEYS, STRETCHER.
	No. of Amendments	:	1
2.	Sampling Guidelines:		
a)	Raw material	:	As per clause 2 of IS 4035
b)	Grouping guidelines	:	Not Applicable
c)	Sample Size	:	One Stretcher Trolley
3.	List of Test Equipment	:	Please refer ANNEX –A
4.	Scheme of Inspection and Testing	:	Please refer ANNEX –B
5.	Possible tests in a day :		
	1. Dimensions 2. Adhesion test 3. Performance test		
6.	Scope of the Licence :		
	“Licence is granted to use Standard Mark as per IS 4035:1967 with the following scope:		
	Name of the product	:	Trolleys, Stretcher

ANNEX AList of Test Equipment*Major test equipment required to test as per the Indian Standard*

Sr. No.	Test Equipment	Tests Used with clause reference
1	Dial/digital vernier caliper Micrometer Gooseneck Micrometer Steel scale Measuring tape Pipe thickness gauge Radius gauge Degree protractor	Dimensions – clause 3
2	Load arrangement 135 kg Weights	Performance under Load test – clause 6
3	Pointed Instrument Cello tape Degree protractor	Adhesion test – clause 6

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.

1.1The manufacturer shall prepare 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. LABELLING AND MARKING – As per the requirements of IS 4035.

4. 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.

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

5. 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.

TABLE 1

(1)				(2)	(3)		
Test Details				Test equipment requirement R: required (or) S: Sub-contracting permitted	Levels of Control		
Cl.	Requirement	Test Methods Clause Reference			No. of Sample	Frequency	Remarks
2	Materials	2	IS 4035	S	One	Each consignment	No further testing is required, if accompanied with test certificate or ISI marked. Mild steel strips used for manufacturing hoops shall be ISI marked
3	Dimensions	3.1, Fig 1, 3.2 3.3	IS 4035	R	Each Trolley Stretcher		---
4	Manufacture	4.1, 4.2	IS 4035	R	Each Trolley Stretcher		---
5	Finish	5.1	IS 4035	R	Each Trolley Stretcher		---
6	Adhesion Test	6.1	IS 4035	R	Each Trolley Stretcher		---
		6.1.1	IS 4033				
	Performance Test	6.1	IS 4035	R	Each Trolley Stretcher		---
		6.1.2	IS 4033				

Note-1: Sub-contracting is permitted to a laboratory recognized by the Bureau or Government laboratories empanelled 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 by B.O. Head.