



उत्पाद मैनुअल
भा. मा. 2463: 2022 के अनुसार
जिम्नास्टिक में प्रयुक्त रिंग के लिए
दस्तावेज संख्या-पी एम/आई एस 2463/1/नवम्बर 2022

भारतीय मानक ब्यूरो की स्कीम-I (अनुरूपता मूल्यांकन) विनियम, 2018 के तहत यह उत्पाद मैनुअल प्रमाणीकरण के प्रचालन में रीति और पारिश्रिता की सुसंगतता सुनिश्चित करने के लिए सभी क्षेत्रीय/शाखा कार्यालयों और लाइसेंसी द्वारा संदर्भ सामग्री के रूप में उपयोग किया जाएगा। बीआईएस प्रमाणीकरण लाइसेंस/प्रमाणपत्र प्राप्त करने के इच्छुक भावी आवेदकों द्वारा भी इस दस्तावेज का उपयोग किया जा सकता है।

**PRODUCT MANUAL FOR
RING USED IN GYMNASTICS
ACCORDING to IS 2463:2022**

Document No.-PM/IS 2463/1/ November 2022

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.

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1.	Product	:	IS 2463: 2022
	Title	:	Ring used in Gymnastics
	No. of Amendments	:	Nil
2.	Sampling Guidelines:		
a)	Raw material	:	Swing rope- Flexible Steel Wire rope of 6 mm dia Conforming to rope grade single tensile 1420 of IS 2365. Tension Rope- steel wire rope of 6 to 7 mm diameter similar to swing rope except that its tensile strength is 1100 to 1250 N/mm ² Uprights and Crossbar of Frame- Heavy grade galvanized mild steel tubing of 40 mm nominal diameter conforming to IS 1239 (Part 2) Ring- as per Cl. 5.1.5 and Cl. 5.1.6 of IS 2463
b)	Grouping guidelines	:	--
c)	Sample Size	:	One complete ring frame
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	:	All tests
6.	Scope of the Licence:	:	Licence is granted to use Standard Mark as per IS 2463:2022 with the following scope:
	Name of product	:	Ring used in Gymnastics

BUREAU OF INDIAN STANDARDS

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ANNEX A**List of Test Equipment**

Major test equipment required to test as per the Indian Standard

S.no.	Tests used in with Clause Reference		Test Equipment
	Cl. No.	Test	
1)	5.1, Fig.1	Dimension	Scale or Vernier caliper
2)	6	Performance requirement, Annex-A of IS 2463	Weight with Load gauge or similar arrangement capable of applying the requisite tractive force

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 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 2463: 2022.

4. CONTROL UNIT- All completed Rings (along with Frame and other components), manufactured under similar conditions from same consignment of raw material in a day 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.

TABLE 1

(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	Reference				
5.1	Material						
	Swing Rope	5.1.1	IS 2463 IS 2365	S	One	Each Consignment	No testing is required in case material is received with test certificate or is ISI Marked
	Tension Rope	5.1.2	IS 2463 IS 2365	S	One		
	Frame	5.1.3	IS 2463 IS 1239 (Part 2)	S	One		
	Timber	5.1.6	IS 2463	R	One	Each Consignment	--
5.2	Dimension	5.2, Fig. 1	IS 2463	R	One	Each Control Unit	--
6	Performance requirement	6, Annex-A	IS 2463	R	One	Every 30 th Control Unit	--

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

Note-2: The control unit and levels of control as decided by the Bureau are obligatory to which the licensee shall comply with.