
वस्त्रादि — स्पीड और रिंग स्पिनिंग फ्रेम्स के
लिए नोज बार्स — विशिष्टि
(दूसरा पुनरीक्षण)

**Textiles — Nose Bars for Speed and
Ring Spinning Frames —
Specification**

(*Second Revision*)

ICS 59.120.10

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FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Textile Machinery and Accessories Sectional Committee had been approved by the Textiles Division Council.

Nose bars are an important component of the spinning process. They are used to guide the roving and maintain its position as it enters the drafting zone. In the speed frame, the nose bar is located at the front of the machine and is responsible for guiding the roving into the drafting zone. In the ring frame, the nose bar is located at the back of the machine and is responsible for guiding the yarn onto the bobbin.

This standard was first published in 1972 and subsequently revised in 1985. **This standard originally published in 1992.** The following major modifications have been incorporated in this revision of the standard:

- a) Marking clause has been modified;
- b) Sampling clause has been incorporated; and
- c) References to Indian standards have been updated.

The composition of the Committee responsible for the formulation of this standard is given in [Annex A](#).

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*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

*Indian Standard***TEXTILES — NOSE BARS FOR SPEED AND RING SPINNING
FRAMES — SPECIFICATION***(Second Revision)***1 SCOPE**

This standard prescribes the requirements of nose bars for speed and ring spinning frames for use in conjunction with short, medium and long cradles.

2 REFERENCES

The standards given below contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on these standards are encouraged to investigate the possibility of applying the most recent edition of these standards:

<i>IS No.</i>	<i>Title</i>
IS 2062 : 2011	Hot rolled medium and high tensile structural steel — Specification (<i>seventh revision</i>)
IS 2500 (Part 1) : 2000/ISO 2859-1 : 1999	Sampling procedures for inspection by attributes: Part 1 Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection (<i>third revision</i>)

3 MANUFACTURE**3.1 Material**

The nose bars shall be cold drawn from mild steel bars conforming to IS 2062.

3.2 Workmanship and Finish

The top surface of the nose bars including radii on both sides of the cross section shall be smooth. The nose bars shall be free from cracks, burrs, laminations, sharp and rough edges, deep tool marks, pitted marks and other surface defects.

4 CLASSIFICATION AND DESIGNATION

The nose bars shall be classified as under:

- a) Nose bar for use in conjunction with short cradles, designation I to VI (*see Fig. 1 to Fig. 6*);
- b) Nose bar for use in conjunction with medium cradles, designation VII to IX (*see Fig. 7 to Fig. 9*); and
- c) Nose bar for use in conjunction with long cradles, designation X to XII (*see Fig. 10 to Fig. 12*).

5 REQUIREMENTS**5.1 Dimensions**

The length of nose bars shall be as agreed to between the buyer and the seller. Cross-sectional dimensions of nose bars shall conform to those specified in [Fig. 1](#) to [Fig. 12](#) depending upon the designation of nose bar.

5.1.1 The dimensions on which tolerances have not been shown in the figures shall be subject to the tolerances as agreed to between the buyer and the seller.

5.2 Straightness

The nose bars shall be straight. The tolerance on the top and at the front edge in a staff length shall not exceed 0.15 mm.

5.3 Twist

Twist on the edges in a staff length shall not exceed 0.2 mm. This shall be measured along the length of the nose bar on a surface plate with a feeler gauge.

6 SAMPLING

Unless otherwise agreed to between the buyer and the seller, to ascertain the conformity of product(s) to the requirements of this specification, or as specified in IS 2500 (Part 1) shall be followed.

7 MARKING

7.1 A label attached to each bundle of nose bars shall bear the following information:

- a) Manufacturer's name, initials or trade-mark, if any; and

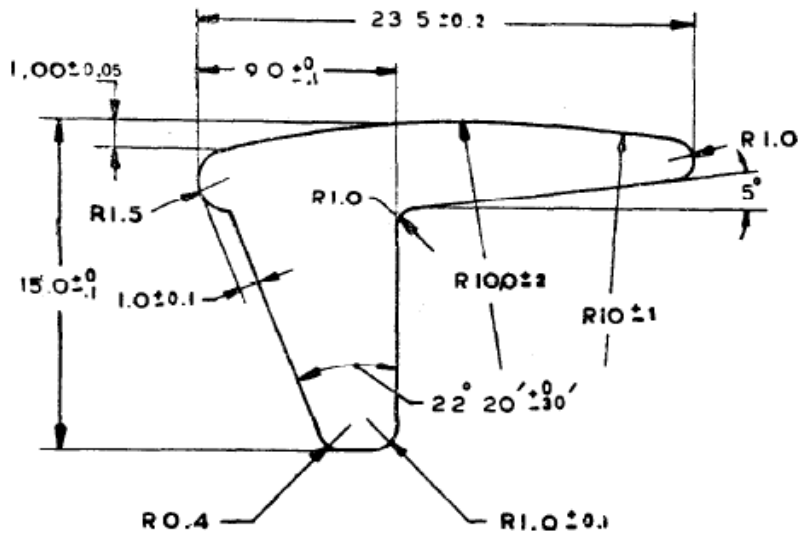
b) Name and dimensions of each component.

8 PACKING

The nose bars shall be coated with rust-preventing agent and shall be wrapped in brown paper/polythene film and packed in boxes in such a manner that they do not get bent in transit.

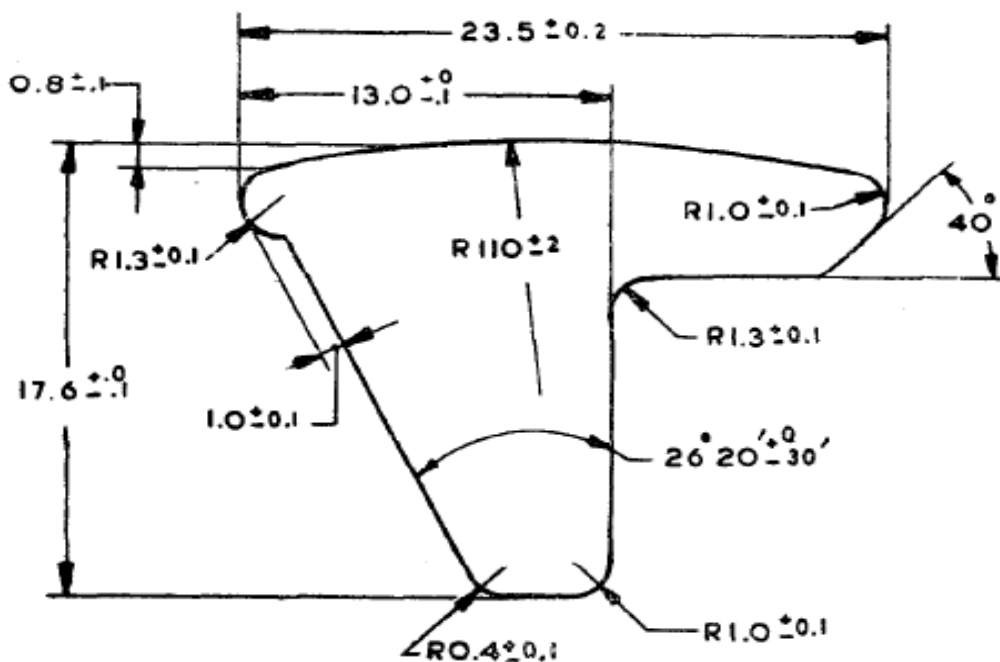
7.2 BIS Certification Marking

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 products may be marked with the Standard Mark.



All dimensions in millimeters.

FIG. 1 NOSE BAR FOR USE IN CONJUNCTION WITH SHORT CRADLES, DESIGNATION I



All dimensions in millimeters.

FIG. 2 NOSE BAR FOR USE IN CONJUNCTION WITH SHORT CRADLES, DESIGNATION II

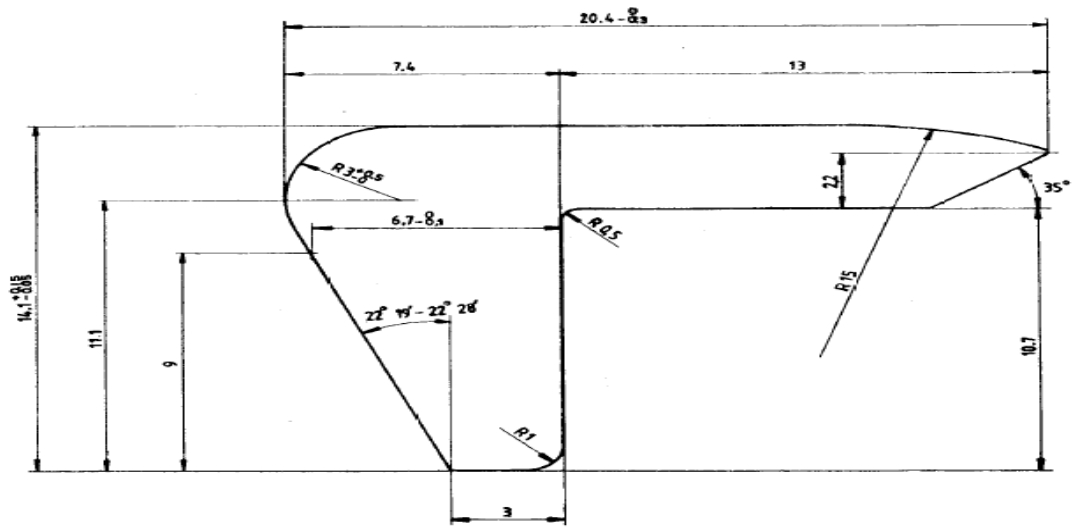


FIG. 3 NOSE BAR FOR USE IN CONJUNCTION WITH SHORT CRADLES, DESIGNATION III

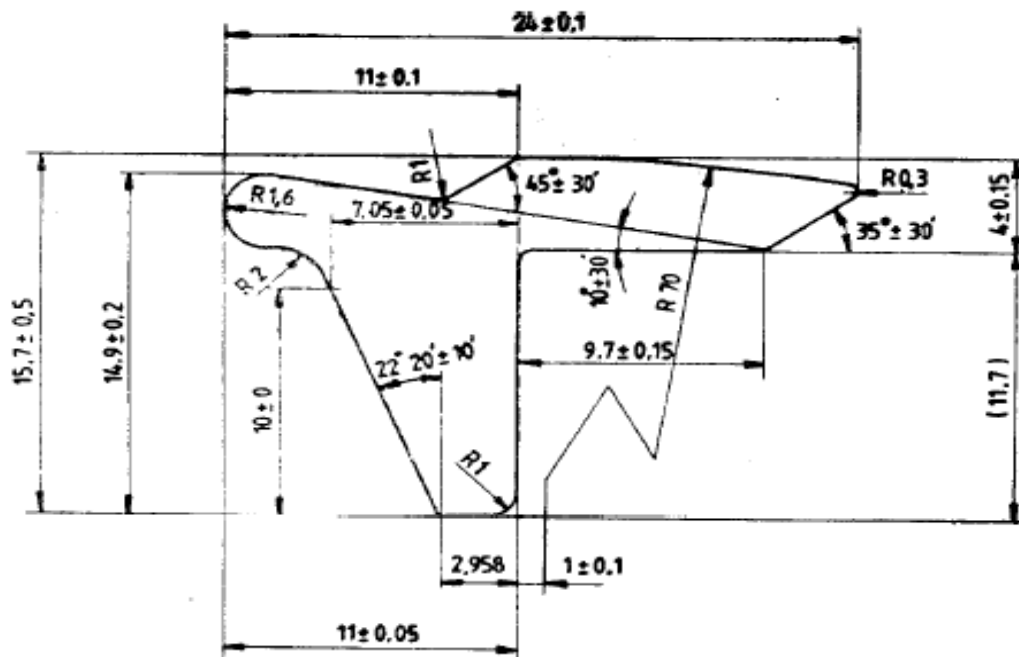
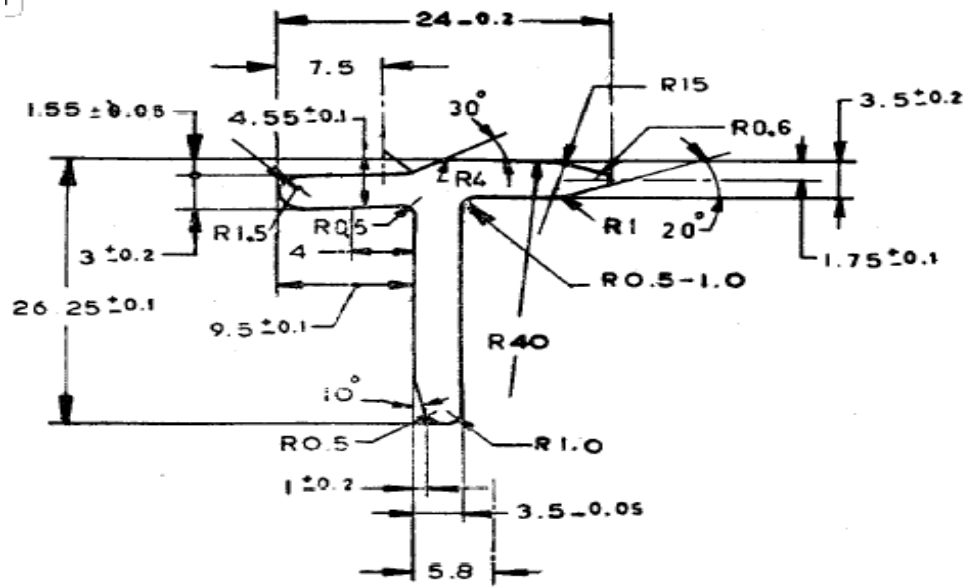
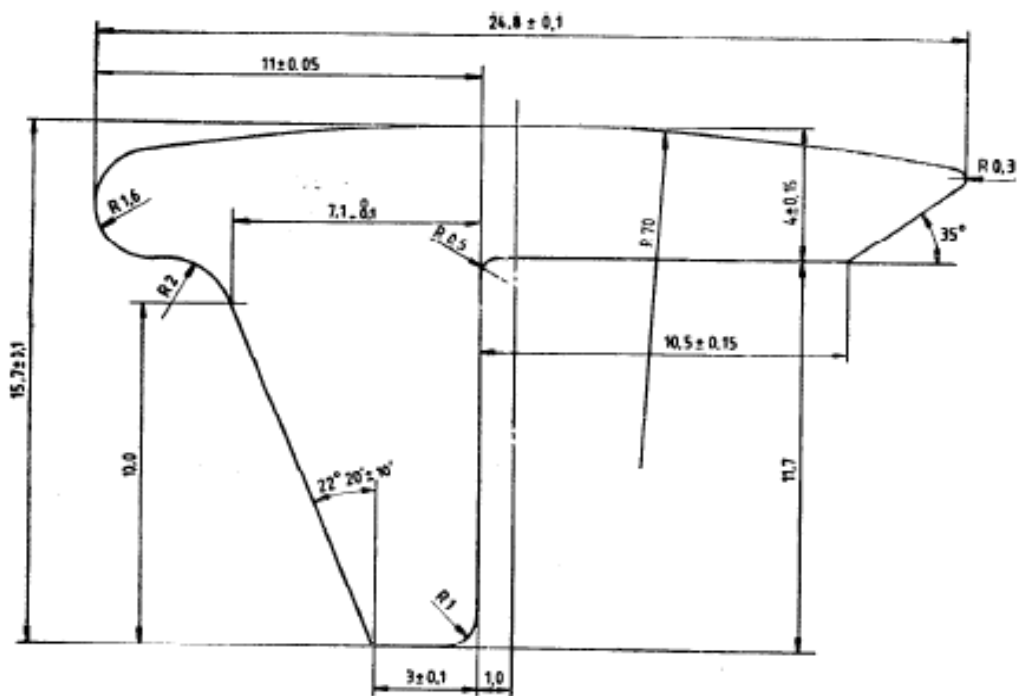


FIG. 4 NOSE BAR FOR USE IN CONJUNCTION WITH SHORT CRADLES, DESIGNATION IV



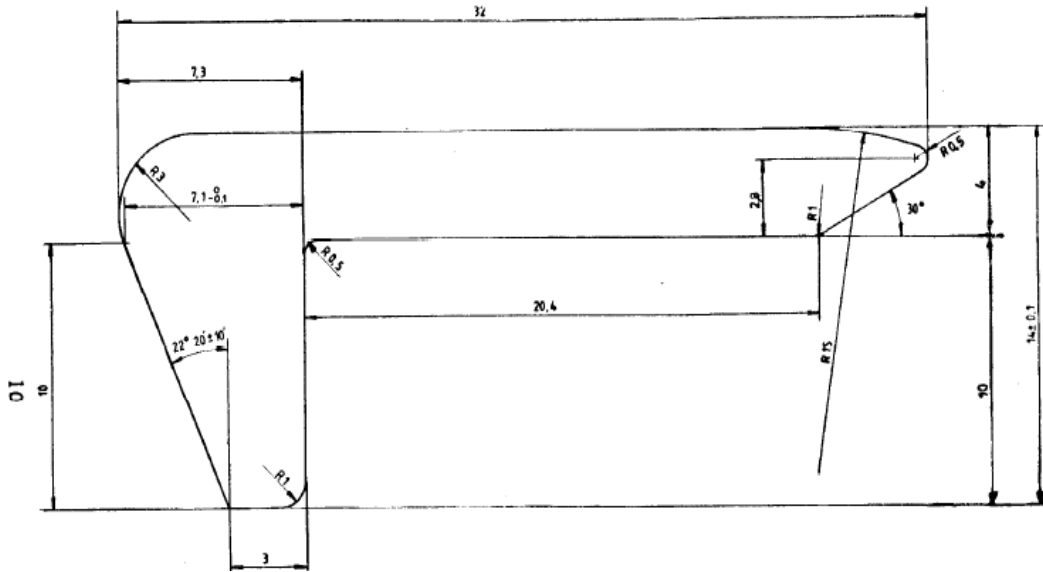
All dimensions in millimeters.

FIG. 5 NOSE BAR FOR USE IN CONJUNCTION WITH SHORT CRADLES, DESIGNATION V



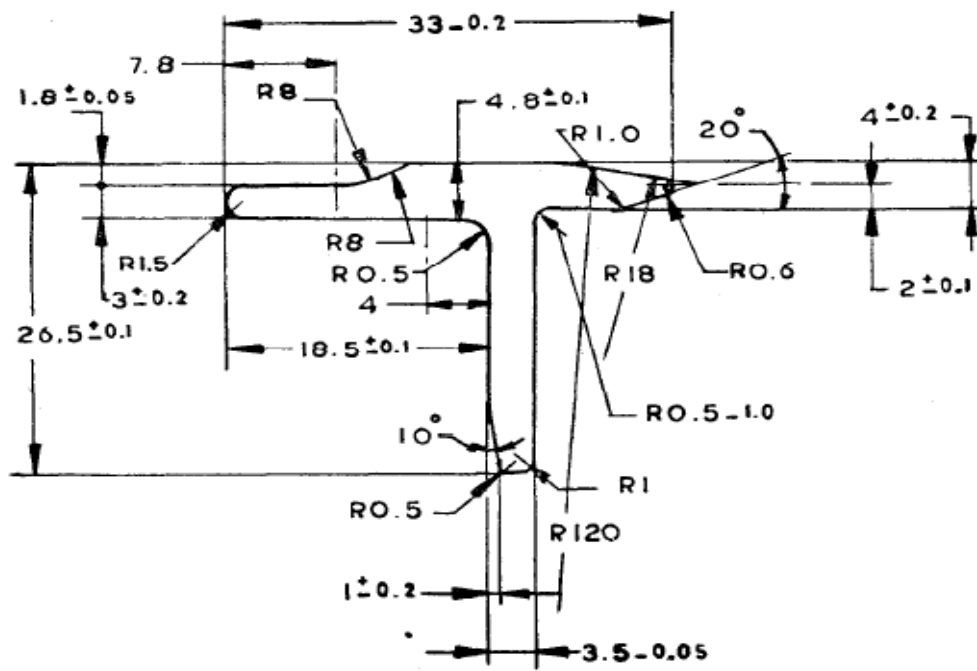
All dimensions in millimeters.

FIG. 6 NOSE BAR FOR USE IN CONJUNCTION WITH SHORT CRADLES, DESIGNATION VI



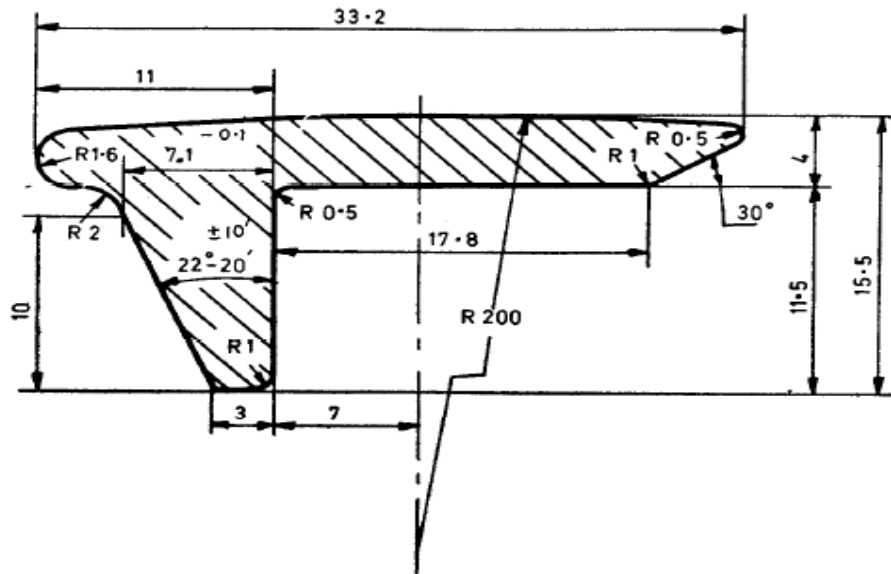
All dimensions in millimeters.

FIG. 7 NOSE BAR FOR USE IN CONJUNCTION WITH MEDIUM CRADLES, DESIGNATION VII



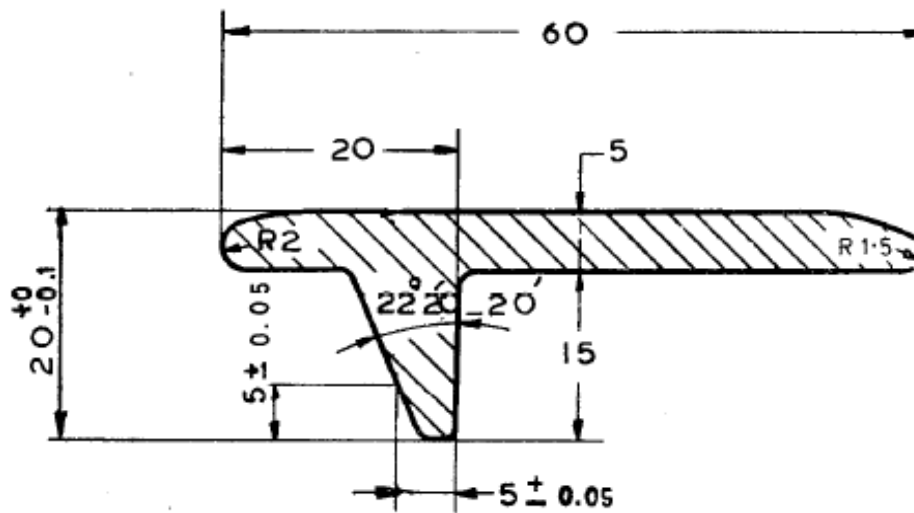
All dimensions in millimeters.

FIG. 8 NOSE BAR FOR USE IN CONJUNCTION WITH MEDIUM CRADLES, DESIGNATION VIII



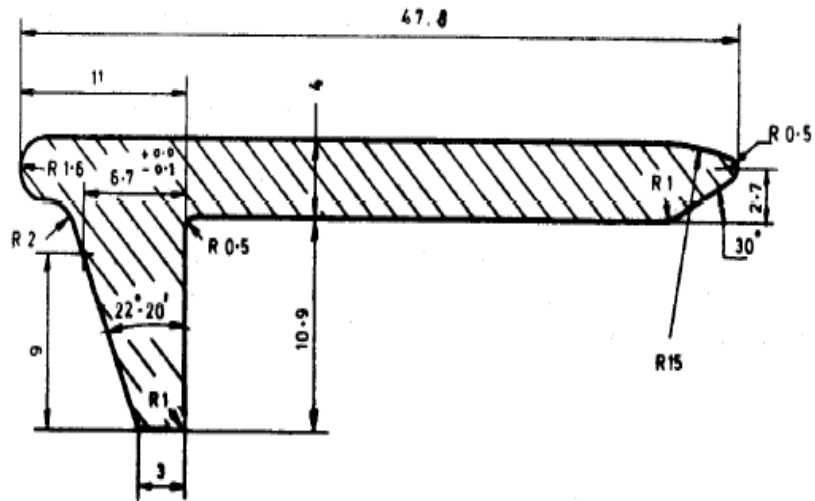
All dimensions in millimeters.

FIG. 9 NOSE BAR FOR USE IN CONJUNCTION WITH MEDIUM CRADLES, DESIGNATION IX



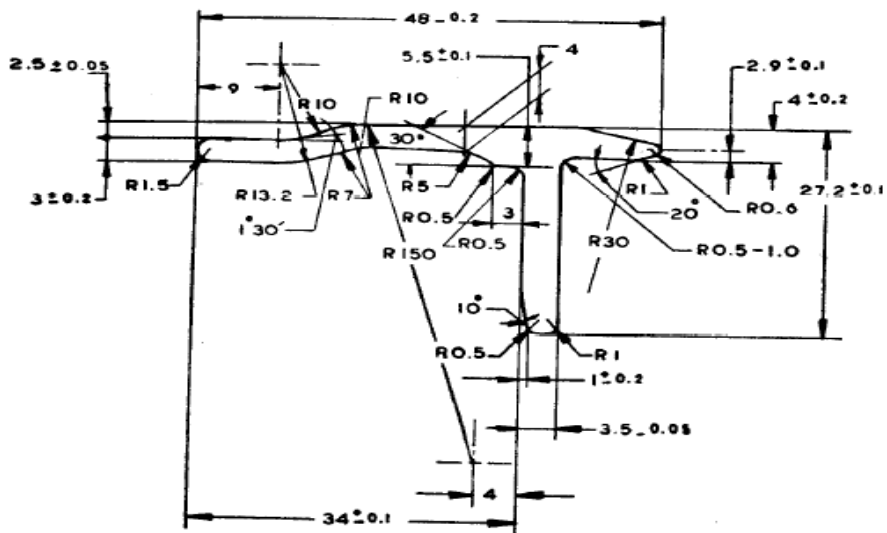
All dimensions in millimeters.

FIG. 10 NOSE BAR FOR USE IN CONJUNCTION WITH LONG CRADLES, DESIGNATION X



All dimensions in millimeters.

FIG. 11 NOSE BAR FOR USE IN CONJUNCTION WITH LONG CRADLES, DESIGNATION XI



All dimensions in millimeters.

FIG. 12 NOSE BAR FOR USE IN CONJUNCTION WITH LONG CRADLES, DESIGNATION XII

ANNEX A

(Foreword)

COMMITTEE COMPOSITION

Textile Machinery and Accessories Sectional Committee, TXD 14

<i>Organization</i>	<i>Representative(s)</i>
Central Manufacturing Technology Institute, Bengaluru	DR NAGAHANUMAIAAN (Chairperson)
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Indian Jute Mills Association, Kolkata	SHRI BHUDIPTA SAHA SHRI TANMOY SINGHA (<i>Alternate</i>)
Indian Textile Accessories and Machinery Manufacturers Association, Mumbai	SHRI N. D. MHATRE SHRI CHANDRESH SHAH (<i>Alternate</i>)
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Amendments Issued Since Publication

Amend No.	Date of Issue	Text Affected

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