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IS 8295-2 (1976): bamboo chicks, Part 2: Coarse [CED 9: Timber and Timber Stores]



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“Knowledge is such a treasure which cannot be stolen”

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IS : 8295 (Part II) - 1976

Indian Standard

SPECIFICATION FOR BAMBOO CHICKS

PART II COARSE

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SPECIFICATION FOR BAMBOO CHICKS

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Indian Standard

SPECIFICATION FOR BAMBOO CHICKS

PART II COARSE

0. FOREWORD

0.1 This Indian Standard (Part II) was adopted by the Indian Standards Institution on 22 December 1976, after the draft finalized by the Timber Stores Sectional Committee had been approved by the Civil Engineering Division Council.

0.2 Chicks manufactured from 'SARKANDA' and 'Bamboo Strips' are used in large quantities by various departments for covering verandah, door and window openings. Part II of the standard covers provisions relating to coarse chicks, manufactured from bamboo strips, which are normally used for covering verandah openings. Part I covers fine chicks, normally used for covering door and window openings.

0.3 In the formulation of this standard, due weightage has been given to international co-ordination among the standards and practices prevailing in different countries in addition to relating it to the practices in the field in this country.

0.4 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 : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

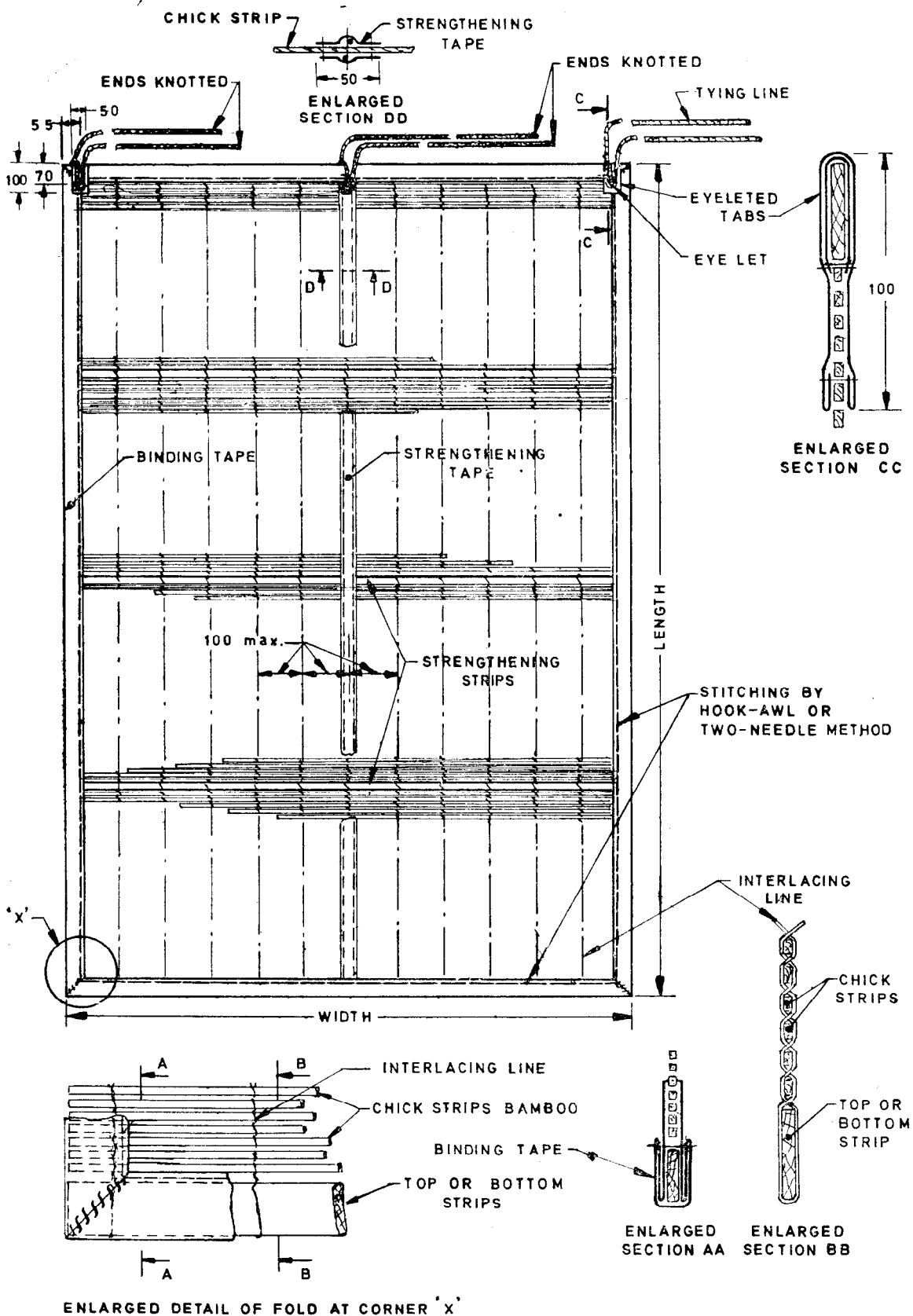
1.1 This standard (Part II) covers the requirements of coarse chicks which are normally used for covering verandah openings.

2. TERMINOLOGY

2.1 For the purpose of this standard, the definitions given in IS : 707-1976† shall apply (*see also* Fig. 1 for different components of a coarse chick).

*Rules for rounding off numerical values (*revised*).

†Glossary of terms applicable to timber technology and utilization (*second revision*).



All dimensions in millimetres.

FIG. 1 TYPICAL DESIGN OF COARSE CHICK

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3. MATERIALS

3.1 Bamboo Strips — The bamboo strips shall be well seasoned and reasonably straight. These shall be free from insect attack, any kind of decay (rot), splits and charring.

3.1.1 The minimum dimensions of bamboo strips used for the manufacture of coarse chicks shall be as follows:

- | | |
|--------------------------|------------------------------|
| a) Top and bottom strips | 30 mm wide × 5 mm thick |
| b) Strengthening strips | 25 mm wide × 5 mm thick |
| c) Chick strips | 6 to 10 mm wide × 3 mm thick |

3.2 Cotton Tape, NEWAR — Undyed *NEWAR* tape used as 'binding tape', 'strengthening tape' and for 'eyelet tabs' shall be of the following widths:

- | | |
|-----------------------|-------------|
| a) Binding tape | 100 mm wide |
| b) Strengthening tape | 50 mm wide |
| c) Eyelet tabs | 50 mm wide |

3.2.1 The *NEWAR* tape shall conform to the requirements given in Table 1.

TABLE 1 REQUIREMENTS OF COTTON TAPE, NEWAR

| SIZE | MINIMUM WEIGHT PER 18 m | MINIMUM NUMBER OF THREADS | | MINIMUM BREAKING STRENGTH (50 cm BETWEEN GRIPS) |
|--------|----------------------------|------------------------------|-------------------|---|
| | | Warp in Full Width | Weft per 25 mm | |
| (1) | (2) | (3) | (4) | (5) |
| 50 mm | 340 g | 100 | 15 | 110 kg |
| 100 mm | 680 g | 200 | 15 | 220 kg |

3.3 Cotton Line — Undyed cotton line used as 'interlacing line' shall be of 2 mm nominal dia and that used as 'tying line' shall be of 6 mm nominal dia conforming to IS : 3252-1975*.

3.4 Cotton Thread — Cotton thread shall be of size designation 50 tex × 4 (or 12 s/4) conforming to variety No. 20 of IS : 1720-1969†.

3.5 Ink — Cloth marking ink (black) shall conform to IS : 394-1963‡.

*Specification for shroud-laid cotton line (*first revision*).

†Specification for cotton sewing threads (*first revision*).

‡Specification for ink, cloth marking (*revised*).

IS : 8295 (Part II) - 1976

3.6 Eyelets — Eyelets shall be of brass or aluminium of size designation 30/30 L conforming to IS : 4084-1967*.

4. MANUFACTURE

4.1 The chicks shall be manufactured to the shape and design as shown in Fig. 1.

4.2 The number of chick strips shall not be less than 25 per 30 cm of length. The chick strips shall be firmly laced together at equally spaced intervals of not more than 100 mm throughout the entire width of the chick, as shown in Fig. 1. The strengthening strips shall be firmly laced at equally spaced intervals of not more than 90 cm throughout the entire length of the chick.

4.3 The chicks shall be bound all round with *NEWAR* tape 100 mm wide and securely sewn with thread. The sewing shall be in one row and shall be done either by hook-awl or two-needle method. Chain stitching shall not be permitted. The number of stitches per 25 mm length shall not be less than 2. Sewing on the sides shall be so arranged that interlacing line acts as a stopper to the slipping out of the binding tape (*see* Fig. 1).

4.4 Strengthening Tapes — Strengthening tapes 50 mm wide shall be placed equi-distant from the edges and in between themselves and securely sewn throughout the length of the chick along both the edges of the tape. The strengthening tape shall cover the nearest interlacing line (*see* Fig. 1). The number of strengthening tapes shall be as follows:

| | <i>No. of Strengthening Tapes</i> |
|--|---------------------------------------|
| a) For chicks up to 250 cm wide | 1 |
| b) For chicks over 250 cm and up to 350 cm wide | 2 |
| c) For chicks over 350 cm and up to 450 cm wide | 3 |

4.5 Eyelets — The chicks shall be fitted with brass or aluminium eyelets, one on each of the strengthening tapes and one each on both the ends, as shown in Fig. 1.

4.6 Tying Line — Each chick shall be provided with as many tying lines as the number of eyelets. The length of each line shall be equal to the length of the chick. The ends of each line shall be properly knotted.

5. DIMENSIONS

5.1 The chicks shall conform to the dimensions as ordered by the purchaser.

*Specification for eyelets and washers.

6. WORKMANSHIP AND FINISH

6.1 All strips shall be clean and reasonably smooth.

6.2 Stitching shall be neatly done and securely fastened.

7. SAMPLING

7.1 Unless otherwise agreed to between the supplier and the purchaser, IS : 2500 (Part I)-1973* shall be followed for sampling inspection for determining acceptability (or otherwise) of a lot to the requirements of this specification. The inspection level and sampling plan as given in 7.1.1 and 7.1.2 shall be followed.

7.1.1 The scale of sampling shall be corresponding to inspection level III given in Table 1 of IS : 2500 (Part I)-1973*.

7.1.2 The sampling plan to be followed shall be single sampling plan corresponding to acceptable quality level (AQL) value of 4.0 percent given in Table 2 of IS : 2500 (Part I)-1973*.

8. MARKING

8.1 Each chick shall be legibly and indelibly marked using cloth marking (see 3.5), with the following:

- a) Manufacturer's name or initials or trade-mark, if any; and
- b) The year of manufacture.

8.1.1 The chicks may also be marked with the ISI Certification Mark.

NOTE — The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

*Sampling inspection tables: Part I Inspection by attributes and by count of defects (first revision).

INDIAN STANDARDS

ON

TIMBER STORES

IS:

- 620-1975 General requirements for wooden tool handles (*third revision*)
- 2133-1962 Wooden tent pins
- 2891-1975 Wooden handles for felling axes and hand axes (*first revision*)
- 2892-1964 Wooden handles for picks and beaters
- 2893-1964 Wooden handles for axes
- 2894-1965 Wooden handles for wood working chisels and gouges
- 2895-1965 Wooden handles for engineer's files
- 2896-1965 Wooden handles for carpenter's augers
- 2897-1965 Wooden handles for shovels
- 2922-1975 Wooden tent mallets (*first revision*)
- 3053-1965 Cane baskets for general purposes
- 3084-1975 Pencil slats (*first revision*)
- 3386-1965 Wooden fence posts
- 3806-1966 Wooden beaters
- 4435-1967 Wooden ladders and trestles
- 4650-1968 Anvil blocks
- 4953-1973 Wooden handles for hand hammers
- 5942-1971 Wooden handles for powrahs
- 6641-1972 Wooden disc for tents
- 6642-1972 Mason mallets
- 6643-1972 Wooden pins for bivouac tents
- 6644-1972 Tinmen mallets
- 6656-1972 Caulking mallets
- 6676-1972 Bossing (plumbers) mallets
- 6729-1972 Wooden paddles
- 7344-1974 Bamboo tent poles
- 7548-1975 Vase for store tent
- 7549-1975 Timber half wrought for sporting rifles
- 7550-1975 Cane baskets for ration
- 7850-1975 Wooden boxes for microscope slides

INTERNATIONAL SYSTEM OF UNITS (SI UNITS)

Base Units

| Quantity | Unit | Symbol |
|---------------------------|----------|--------|
| Length | metre | m |
| Mass | kilogram | kg |
| Time | second | s |
| Electric current | ampere | A |
| Thermodynamic temperature | kelvin | K |
| Luminous intensity | candela | cd |
| Amount of substance | mole | mol |

Supplementary Units

| Quantity | Unit | Symbol |
|-------------|-----------|--------|
| Plane angle | radian | rad |
| Solid angle | steradian | sr |

Derived Units

| Quantity | Unit | Symbol | Conversion |
|----------------------|---------|--------|---------------------------------|
| Force | newton | N | 1 N = 1 kg.1 m/s ² |
| Energy | joule | J | 1 J = 1 N.m |
| Power | watt | W | 1 W = 1 J/s |
| Flux | weber | Wb | 1 Wb = 1 V.s |
| Flux density | tesla | T | 1 T = 1 Wb/m ² |
| Frequency | hertz | Hz | 1 Hz = 1 c/s (s ⁻¹) |
| Electric conductance | siemens | S | 1 S = 1 A/V |
| Pressure, stress | pascal | Pa | 1 Pa = 1 N/m ² |

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