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CEYLON STANDARD 157 : 1972

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SPECIFICATION FOR DRAWING BOARDS

(METRIC UNITS)

ලංකා ප්‍රමිති කාර්යාංශය

BUREAU OF CEYLON STANDARDS

SPECIFICATION FOR DRAWING BOARDS (METRIC UNITS)

C.S. 157 : 1971

Gr.3

BUREAU OF CEYLON STANDARDS
53, DHARMAPALA MAWATHA,
COLOMBO 3.

CEYLON STANDARD SPECIFICATION FOR DRAWING BOARDS

(Metric Units)

FOREWORD

This Ceylon Standard was prepared by the Drafting Committee on Drawing Boards and Tee Squares under the authority of the Metric Divisional Committee of the Bureau of Ceylon Standards, and was approved for adoption and publication by the Council of the Bureau on 4th August 1972.

Ceylon has decided to change over to the metric system of weights and measures. It is expected that the International 'A' series of paper will come into use in the Engineering and Architectural fields with this changeover. This standard lays down the sizes and other specifications of Drawing Boards for use with the 'A' series of drawing sheets.

It has been found that in local conditions, drawing boards made out of well-seasoned timber do not need any adjustments of the working surface even after long usage. Therefore the specifications of the Drawing Boards given in this Standard do not provide for adjustments of the working surface. This has been done in order to arrive at a cheaper board which still meets with the functional requirements of a drawing board.

In preparing this standard, assistance derived from the following Indian, British and German Standards is acknowledged.

IS : 1444 — 1963 : Specification for Engineers' Pattern Drawing Boards (revised)

BS : 1265 — 1958 : Engineers' Pattern Drawing Boards,

BS : 1267 — 1958 : Students' Clamped Drawing Boards,

DIN : 3100 — 1962 : Drawing Boards.

All dimensions given in this standard are in metric (SI) units. Equivalent inch values are given in brackets. The equivalent values have been calculated in accordance with C.S. 116—Ceylon Standard for Principles of Conversion.

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 measurement shall be rounded off in

accordance with C.S. 102—Ceylon Standard for the Presentation of Numerical Values. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard specifies the sizes, materials and constructional details of drawing boards, intended to be used by engineers and students.

2. DIMENSIONS OF THE BOARD

2.1 The overall dimensions of the drawing boards shall be as given in Table 1.

TABLE 1

DIMENSIONS OF DRAWING BOARDS

Width (W) × Length (L) mm × mm (in × in)	Tolerance on length or width mm	Thickness (H) mm (in)	Tolerance on Thickness mm	Tolerance on Straightness of working edge mm (in)	Recommended for use with sheet size (designation) mm × mm
1000 × 1500 (39.4 × 59.1) 920 × 1270 (36.2 × 50.0)	± 5	22 (0.9)	± 3	0.3 (0.01)	841 × 1189 (A0)
650 × 920 (25.6 × 36.2)	± 5	22 (0.9)	± 3	0.2 (0.008)	594 × 841 (A1)
470 × 650 (18.5 × 25.6)	± 3	22 (0.9)	± 3	0.1 (0.004)	420 × 594 (A2)
350 × 500 (13.8 × 19.7)	± 3	22 (0.9)	± 3	0.1 (0.004)	297 × 420 (A3)

3. GENERAL REQUIREMENTS

3.1 The timber used shall be well seasoned and mature, free from knots, splits, checks, sap and other defects which may affect the serviceability of the drawing boards. The timber used shall have a moisture content of 12 to 15% determined in the manner described in Appendix A.

4. WORKING SURFACE

4.1 The board shall have a smooth and permanently true working of slotted surface free from twist or bow. The species of timber used for the working surface shall be Lunumidella (*Melia dubia* Cav).