
INTERNATIONAL STANDARD



3179

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Coniferous sawn timber — Nominal dimensions

Sciages de bois résineux — Dimensions nominales

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 3179 was drawn up by Technical Committee ISO/TC 55, *Sawn timber and sawlogs*. It results from the combination of draft International Standards ISO/DIS 3179, 3180, 3181 and 3182 into one single document. These drafts were circulated to the Member Bodies in June 1973.

International Standard ISO 3179 has been approved by the Member Bodies of the following countries :

Austria	Germany	Romania
Belgium	Hungary	South Africa, Rep. of
Bulgaria	Ireland	Sweden
Canada*	Italy	Thailand
Czechoslovakia**	Mexico	Turkey
Denmark	Netherlands	U.S.S.R.
Egypt, Arab Rep. of	New Zealand***	Yugoslavia
Finland	Norway	
France	Poland	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Canada (DIS 3179)
Czechoslovakia (DIS 3181)
India
Japan
United Kingdom

* approved ISO/DIS 3180, 3181 and 3182

** approved ISO/DIS 3179, 3180 and 3182

*** approved ISO/DIS 3182 only

Coniferous sawn timber — Nominal dimensions

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the nominal dimensions of coniferous sawn timber.

It applies to unplanned square-edged and unedged sawn timber 16 to 300 mm thick, of the following widths :

- from 75 to 300 mm : for square-edged timber with parallel edges;
- 60 mm and over : for unedged and square-edged timber with tapered edges.

2.2.2.2 Thicknesses over 50 mm and up to 100 mm

- a) Width : 80 mm and over with 10 mm intervals.
- b) For unedged sawn timber, the width at the narrower face measured at any place along its length shall be not less than 60 mm.
- c) For square-edged sawn timber with tapered edges, the width of the face at its narrower end shall be not less than 60 mm.

2 NOMINAL THICKNESSES AND WIDTHS

2.1 Square-edged sawn timber with parallel edges

The nominal thicknesses and widths are specified in the table.

2.2 Unedged and square-edged sawn timber with tapered edges

2.2.1 Thickness

As specified in the table.

2.2.2 Width

2.2.2.1 Thicknesses 16 to 50 mm

- a) Width : 60 mm and over with 10 mm intervals.
- b) For unedged sawn timber, the width of the narrower face measured at any place along its length shall be not less than 60 mm.
- c) For square-edged sawn timber with tapered edges, the width of the face at its narrower end shall be not less than 60 mm.

2.2.2.3 Thicknesses over 100 mm and up to 300 mm

- a) Width : 100 mm and over with 10 mm intervals.
- b) For unedged sawn timber, the width of the narrower face measured at any place along its length shall be not less than $0,6 H$.
- c) For square-edged sawn timber with tapered edges, the width of the face at its narrower end shall be not less than $0,7 H$.

H being the thickness of the timber.

3 NOMINAL LENGTHS

The nominal lengths for sawn timber are specified :

- from 1,5 to 6,3 m with 0,3 m interval;
- from 1,5 to 6,5 m with 0,25 m interval.

NOTE — The interval of 0,25 m is non-preferred.

TABLE — Nominal thicknesses and widths

Dimensions in millimetres

Thickness			Width											
Preferred range	Non-preferred range		75	100	115	125	150	160	175	200	225	250	275	300
16	18		X	X	X	X	X	X	X	X				
19			X	X	X	X	X	X	X	X	X	X	X	X
22			X	X	X	X	X	X	X	X	X	X	X	X
25			X	X	X	X	X	X	X	X	X	X	X	X
32	28		X	X	X	X	X	X	X	X	X	X	X	X
38	44		X	X	X	X	X	X	X	X	X	X	X	X
50	48		X	X	X	X	X	X	X	X	X	X	X	X
63	60	65	X	X	X	X	X	X	X	X	X	X	X	X
75	70	80	X	X	X	X	X	X	X	X	X	X	X	X
100				X	X	X	X	X	X	X	X	X	X	X
125						X	X	X	X	X	X	X	X	
150							X	X	X	X	X	X	X	
175									X	X	X	X	X	
200										X	X	X	X	
250												X	X	X
300														X

NOTE — The nominal sizes are specified for sawn timber at a moisture content of 20 %, determined by a standardized method according to the formula :

$$W = \frac{m_w - m_o}{m_o} \times 100$$

where

W is the moisture content of the test piece;

m_w is the mass of the test piece at moisture content W ;

m_o is the mass of the test piece, oven-dry.

ANNEX

OTHER RELEVANT ISO PUBLICATIONS

ISO/R 737, *Coniferous sawn timber — Sizes — Methods of measurement.*

ISO/R 738, *Coniferous sawn timber — Sizes — Tolerances and shrinkage.*

ISO/R 1032, *Coniferous sawn timber — Sizes — Terms and definitions.*