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# International Standard



# 4480

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

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## Coniferous sawlogs — Measurement of sizes and determination of volume

*Billes à sciages de bois résineux — Mesurage des dimensions et détermination du volume*

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**Descriptors** : wood, sawlogs, coniferous timber, dimensional measurement.

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (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 authorized 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 4480 was developed by Technical Committee ISO/TC 55, *Sawn timber and sawlogs*, and was circulated to the member bodies in July 1981.

It has been approved by the member bodies of the following countries :

Austria  
Belgium  
Brazil  
Canada  
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Germany, F.R.  
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Romania  
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Yugoslavia

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Finland  
Norway  
Sweden

# Coniferous sawlogs — Measurement of sizes and determination of volume

## 1 Scope and field of application

This International Standard specifies methods for the measurement of sizes and for the determination of volume of coniferous sawlogs.

## 2 Reference

ISO 4476, *Coniferous and broadleaved sawlogs — Sizes — Vocabulary*.

## 3 Definition

For the purpose of this International Standard, the definitions given in ISO 4476 apply.

## 4 Measurement of sizes

**4.1** The thickness of sawlogs shall be taken as the middle diameter, or the diameter of the upper end, rounded in accordance with the following rules.

If the middle diameter is taken, fractions of less than 0,5 cm shall be disregarded, and fractions of 0,5 cm and more shall be rounded up to the next whole number.

If the diameter of the upper end is taken, fractions of less than a whole odd centimetre shall be disregarded, whilst fractions over a whole odd centimetre shall be rounded up to the next even number.

**4.2** The length of sawlogs shall be measured in metres, rounded to two decimal places, i.e. to the nearest centimetre.

## 5 Determination of volume

**5.1** The volume of sawlogs shall be determined by multiplying the cross-sectional area in the middle of the length of the log, or parts of it, by the corresponding length.

**5.2** The cross-sectional area shall be determined by the result of measurement of an average middle diameter of the log without bark.

**5.3** The volume of sawlogs shall be determined, in cubic metres, to two decimal places, from their thickness and nominal lengths by means of measurements, if the thickness is determined in the middle of the log length, or taken from corresponding tables of the supplying country, if the thickness is determined at the top end.

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