

<b>STN</b>	<b>Fyzikálne a mechanické vlastnosti dreva Skúšobné metódy pre malé vzorky čistého dreva Časť 2: Stanovenie hustoty pre fyzikálne a mechanické skúšky</b>	<b>STN ISO 13061-2 49 0108</b>
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Physical and mechanical properties of wood  
Test methods for small clear wood specimens  
Part 2: Determination of density for physical and mechanical tests

Propriétés physiques et mécaniques du bois  
Méthodes d'essais sur échantillons de bois sans défauts  
Partie 2: Détermination de la masse volumique en vue des essais physiques et mécaniques

Táto slovenská technická norma obsahuje anglickú verziu medzinárodnej normy ISO 13061-2: 2014 a má postavenie oficiálnej verzie.

This Slovak standard includes the English version of the International standard ISO 13061-2: 2014 and has the status of the official version.

#### **Nahradenie predchádzajúcich dokumentov**

Táto slovenská technická norma nahrádza STN 49 0108 z februára 1993 v celom rozsahu.

**138391**

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Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2024  
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

## Anotácia

Táto časť ISO 13061 špecifikuje metódu stanovenia hustoty dreva pre fyzikálne a mechanické skúšky na malých vzorkách čistého dreva. Môže sa použiť aj na stanovenie hustoty skúšobných vzoriek pre iné fyzikálne alebo mechanické skúšky a/alebo na určenie vzťahu medzi hustotou a inými vlastnosťami dreva.

## Národný predhovor

Prvé vydanie ISO 13061-2 ruší a nahrádza ISO 3131: 1975, ktoré bolo technicky revidované.

Nahrádzaná STN 49 0108: 1993 preberala ISO 3131: 1975.

**UPOZORNENIE.** – Hlavným cieľom súboru ISO 13061 je špecifikovať skúšobné metódy pre malé vzorky čistého dreva. Termíny „čisté drevo (3.2.1 clear wood)“ a „malá vzorka čistého dreva (3.2.10.3 small clear wood specimen)“ sú definované v ISO 13061-18: 2022 *Fyzikálne a mechanické vlastnosti dreva. Skúšobné metódy pre malé vzorky čistého dreva. Časť 18: Slovník*.

## Normatívne referenčné dokumenty

Nasledujúce dokumenty, celé alebo ich časti, sú v tomto dokumente normatívnymi odkazmi a sú nevyhnutné pri jeho používaní. Pri datovaných odkazoch sa použije len citované vydanie. Pri nedatovaných odkazoch sa použije najnovšie vydanie citovaného dokumentu (vrátane všetkých zmien).

POZNÁMKA 1. – Ak bola medzinárodná publikácia zmenená spoločnými modifikáciami, čo je indikované označením (mod), použije sa príslušná EN/HD.

POZNÁMKA 2. – Aktuálne informácie o platných a zrušených STN a TNI možno získať na webovom sídle [www.unms.sk](http://www.unms.sk).

ISO 3129 prijatá ako STN ISO 3129 Drevo. Metódy odberu vzoriek a všeobecné požiadavky na fyzikálne a mechanické skúšanie malých vzoriek čistého dreva (49 0107)

ISO 31061-1 dosiaľ neprijatá

ISO 24294 dosiaľ neprijatá

## Vypracovanie slovenskej technickej normy

**Spracovateľ:** Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, Bratislava

**Technická komisia:** TK 16 Drevárske výrobky, náterové látky a lepidlá

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. [www.iso.org/directives](http://www.iso.org/directives)

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. [www.iso.org/patents](http://www.iso.org/patents)

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 218, *Timber*.

This first edition of ISO 13061-2 cancels and replaces ISO 3131:1975, which has been technically revised with regards to the sizes of test pieces, precision of measurements and adjustment for moisture content.

ISO 13061 consists of the following parts, under the general title *Physical and mechanical properties of wood — Test methods for small clear wood specimens*:

- Part 1: *Determination of moisture content for physical and mechanical tests*
- Part 2: *Determination of density for physical and mechanical tests*
- Part 3: *Determination of ultimate strength in static bending*
- Part 4: *Determination of modulus of elasticity in static bending*
- Part 6: *Determination of ultimate tensile stress parallel to grain*
- Part 7: *Determination of ultimate tensile stress perpendicular to grain*

The following parts are under preparation:

- Part 5: *Determination of strength in compression perpendicular to grain*
- Part 10: *Determination of impact bending strength*
- Part 11: *Determination of resistance to impact*
- Part 12: *Determination of static hardness*
- Part 13: *Determination of radial and tangential shrinkage*
- Part 14: *Determination of volumetric shrinkage*
- Part 15: *Determination of radial and tangential swelling*

- Part 16: *Determination of volumetric swelling*
- Part 17: *Determination of ultimate stress in compression parallel to grain*

## **Introduction**

The main purpose of ISO 13061 is to establish test methods for small clear wood specimens, and general requirements for determining physical and mechanical properties of wood.

# Physical and mechanical properties of wood — Test methods for small clear wood specimens —

## Part 2:

## Determination of density for physical and mechanical tests

### 1 Scope

This part of ISO 13061 specifies a method for determining the density of wood for physical and mechanical tests on small clear wood specimens. It may also be used to determine density of test specimens for other physical or mechanical test and/or to determine the relationship between density and other properties of wood.

### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 3129, *Wood — Sampling methods and general requirements for physical and mechanical testing of small clear wood specimens*

ISO 13061-1, *Physical and mechanical properties of wood - Test methods for small clear specimen — Part 1: Determination of moisture content for physical and mechanical tests*

ISO 24294, *Timber — Round and sawn timber — Vocabulary*

**koniec náhl'adu – text ďalej pokračuje v platenej verzii STN**