

STN	Nábytkové kovanie Skúšobné metódy na skúšky pevnosti a tuhosti spájacích prostriedkov nábytku vyrobeného z panelového materiálu	STN EN 17869 91 1711
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Hardware for furniture - Test methods for strength and overload tests of connectors for furniture constructed from panel material

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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Hardware for furniture - Test methods for strength and overload tests of connectors for furniture constructed from panel material

Quincaillerie d'ameublement - Méthodes d'essai pour détermination de la résistance mécanique et rigidité de ferrures d'assemblage de corps de meuble

Möbelbeschläge - Prüfverfahren zur Durchführung von Festigkeits- und Schwellbelastungstests von Korpuseckverbindern für Möbel aus Holzwerkstoffplatten

This European Standard was approved by CEN on 13 January 2023.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 17869:2023 (E)**European foreword**

This document (EN 17869:2023) has been prepared by Technical Committee CEN/TC 207 “Furniture”, the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2023, and conflicting national standards shall be withdrawn at the latest by September 2023.

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1 Scope

This document specifies test methods for the strength and overload tests of connectors for furniture constructed from panel material and procedures for evaluating test results.

This document is specifically intended for assessing cabinet connectors for carcasses made of wood-based panel materials. The methods described can, however, be used to assess the relative performance of other types of connectors, e.g. some types of connectors for beds.

The strength and overload tests only apply to the connectors and their components, as well as the mounting to and in the cabinet carcass. They do not apply to additional functions that the connector can have, e.g. covering of the connector.

The tests described in this document are carried out according to a test setup with specified properties and characteristics.

The test results are only valid for the connector tested. The results can be used to represent the performance of production models, provided the tested model is representative of the production model.

Aging and the influences of temperature and humidity are not included. This document contains four informative annexes, providing additional methodologies for the detailed evaluation of the test results and a procedure for comparing the tested connector with a reference connector:

- Annex A (informative) Reference connector — Glued dowel;
- Annex B (informative) Ratio generation;
- Annex C (informative) Stiffness calculation for further evaluation of the overload;
- Annex D (informative) Evaluation by the characteristic value (5 % percentile).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 312, *Particleboards — Specifications*

EN 320, *Particleboards and fibreboards — Determination of resistance to axial withdrawal of screws*

EN 323, *Wood-based panels — Determination of density*

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