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Furniture - Safety, strength and durability - Requirements and test methods for non-domestic seating

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

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 10/25

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EUROPEAN STANDARD
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EN 16139

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English Version

**Furniture - Safety, strength and durability - Requirements
and test methods for non-domestic seating**

Mobilier - Sécurité, résistance et durabilité - Exigences
et méthodes d'essai applicables aux sièges à usage non
domestique

Möbel - Sicherheit, Festigkeit und Dauerhaltbarkeit -
Anforderungen und Prüfverfahren für Sitzmöbel für
den Nicht-Wohnbereich

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 30 July 2025.

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

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EN 16139:2025 (E)**European foreword**

This document (EN 16139:2025) 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of an identical text or by endorsement, at the latest by January 2026, and conflicting national standards shall be withdrawn at the latest by January 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document will supersede EN 16139:2013.

EN 16139:2025 includes the following significant technical changes with respect to EN 16139:2013:

- a) introduction of definition and requirements for single column seating;
- b) the order of the annexes has been changed, with the normative annexes being placed before the informative;
- c) changes to Annex C (informative) in terms of recommended dimensions;
- d) introduction of “side to side” durability requirements for “single column seating” and “side to side” test method in Annex B (normative);
- e) new Annex H (informative) new rationale for “single column seating”;
- f) new Annex A (normative) Test methods for finger entrapment and shear and compression;
- g) removal of requirement for rolling resistance of unloaded chairs;
- h) new introduction of “leg rest” static requirement;
- i) new Annex C (normative) introduction of “leg rest” durability requirement with a “leg rest” test method;
- j) introduction of “backward fall test” requirement;
- k) new Annex D (normative) Determination of seat loading point for seating with suspended flexible material.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document specifies requirements for the safety, strength and durability of all types of non-domestic seating intended to be used by adults with a weight of not more than 110 kg, including office visitor chairs.

This document does not apply to ranked seating, office work chairs, chairs for educational institutions, outdoor seating and to links for linked seating for which other European Standards exist. It does also not apply to work chairs for industrial use.

This document does not include requirements for the durability of upholstery materials, castors, reclining and tilting mechanisms and seat height adjustment mechanisms.

This document does not include requirements for the resistance to ageing, degradation and flammability.

This document does not include requirements for electrical safety.

Annex A (normative) contains test methods for finger entrapment and shear and compression.

Annex B (normative) contains a seat side-to-side durability test at D-G points.

Annex C (normative) contains a test method for Leg rest durability.

Annex D (normative) contains the determination of seat loading point for seating with suspended flexible material.

Annex E (informative) contains additional drop tests.

Annex F (informative) contains information on the level of test severity in relation to applications.

Annex G (informative) contains recommended dimensions for non-domestic chairs.

Annex H (informative) contains a rationale for single column seating.

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 1022, *Furniture — Seating — Determination of stability*

EN 1728:2012, *Furniture — Seating — Test methods for the determination of strength and durability*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN