



SLOVENSKI STANDARD

oSIST prEN 12520:2008

01-november-2008

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Furniture - Strength, durability and safety - Requirements for domestic seating

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

Meubles - Résistance, durabilité et sécurité - Exigences relatives aux sièges à usage domestique

Ta slovenski standard je istoveten z: prEN 12520

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ICS:

97.140

Pohištvo

Furniture

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EUROPEAN STANDARD
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Will supersede ENV 12520:2000

English Version

**Furniture - Strength, durability and safety - Requirements for
domestic seating**

Meubles - Résistance, durabilité et sécurité - Exigences
relatives aux sièges à usage domestique

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

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 207.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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Foreword

This document (prEN 12520:2008) has been prepared by Technical Committee CEN/TC 207 “Furniture”, the secretariat of which is held by UNI.

This document is currently submitted to the CEN Enquiry.

This document will supersede ENV 12520:2000.

1 Scope

This European standard specifies the minimum requirements for the safety, strength and durability of all types of domestic seating for adults.

It does not apply to ranked seating, seating for non-domestic use, office work chairs, office visitors chairs, chairs for educational institutions, outdoor seating and to links for linked seating for which EN standards or drafts exist.

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

The tests are based on use by persons weighing up to 110 kg.

It does not include requirements for electrical safety.

It does not include requirements for the resistance to ageing, degradation, flammability and ergonomics.

2 Normative references

The following referenced documents are indispensable for the application 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 1022:2005, *Domestic furniture – Seating – Determination of stability*

EN 1728:2000, *Domestic furniture – Seating – Test methods for the determination of strength and durability*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

accessible parts

parts to which access can easily be gained by the user when the seating is in its intended configuration of use and for which the probability of unintentional user contact is high

3.2

parts accessible during setting up and folding

parts to which access can only be gained when setting up and folding the furniture

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3.3
shear and squeeze points
 shear and squeeze points exist if the distance between two accessible parts moving relative to each other can be less than 18 mm or more than 7 mm in any position during movement

3.4
castor type H
 castors with rigid wheels, i.e. hard treads. The wheel is of one colour over the entire surface

NOTE These castors are suitable for carpeted floors.

3.5
castor type W
 castors with resilient tyred wheels, i.e. soft treads. This is of clearly different colour to the wheel centre

NOTE These castors are suitable for hard stone, wooden or tiled floors or those featuring non-textiled covering.

4 Test sequence

The tests shall be carried out in the order in which they are listed in this Standard.

5 Safety requirements**5.1 General**

All parts of the seating with which the user comes into contact, during intended use, shall be so designed that physical injury and damage are avoided.

These requirements are met when:

- 1) the edges of the seat, back rest and arm rests, which are in contact with the user when sitting in the seating shall be rounded or chamfered. All other edges accessible during use shall be free from burrs and/or sharp edges;
- 2) the ends of hollow components are closed or capped.

Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.

It shall not be possible for any load bearing part of the seating to come loose unintentionally.

All parts which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.

5.2 Shear and squeeze points**5.2.1 Shear and squeeze points when setting up and folding**

Unless 5.2.2 or 5.2.3 are applicable, shear and squeeze points, as defined in 3.3, that are created only during setting up and folding, including tipping seat, are acceptable, because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately upon experiencing pain.

The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1.