

**BS EN 1728:2012**

*Incorporating corrigendum July 2013*



**BSI Standards Publication**

# **Furniture — Seating — Test methods for the determination of strength and durability**

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**National foreword**

This British Standard is the UK implementation of EN 1728:2012, incorporating corrigendum July 2013. It supersedes BS EN 1728:2001 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee FW/0, Furniture, to Subcommittee FW/0/1, Common Test Methods for Furniture.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

**Furniture - Seating - Test methods for the determination of  
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Ameublement - Sièges - Méthodes d'essais pour la  
détermination de la résistance et de la durabilité

Möbel - Sitzmöbel - Prüfverfahren zur Bestimmung der  
Festigkeit und Dauerhaltbarkeit

This European Standard was approved by CEN on 9 June 2012.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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## Foreword

This document (EN 1728:2012) 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of an identical text or by endorsement, at the latest by January 2013, and conflicting national standards shall be withdrawn at the latest by January 2013.

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

This document supersedes EN 1728:2000.

The main changes with respect to the previous edition are listed below.

- All test methods for seating used in European Standards for furniture have been collated in one document. The document now contains methods that were previously listed in EN 581-2, *Outdoor furniture*, EN 1335-3, *Office work chair*, and EN 15373, *Non-domestic seating*.
- A static load test for headrests has been included.
- Wherever possible test methods have been simplified and clarified for ease of use.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European Standard specifies test methods for the determination of strength and durability of the structure of all types of seating without regard to use, materials, design/construction or manufacturing process.

This European Standard does not apply to children's highchairs, table mounted chairs and bath seats which are covered by other European Standards.

Test methods for the assessment of ageing, degradation, ergonomics and electrical functions are not included.

The test methods are not intended to assess the durability of upholstery materials, such as upholstery filling materials and upholstery covers.

This European Standard does not include any requirements. Requirements for different end uses can be found in other Standards.

## 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 7619-2:2010, *Rubber, vulcanized or thermoplastic — Determination of indentation hardness — Part 2: IRHD pocket meter method*

## 3 Terms and definitions

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

### 3.1

#### **structure**

load bearing parts of furniture such as the frame, seat, back and arm supports and suspension

### 3.2

#### **leg rest**

extension of the seat area intended to support the legs of the user

Note 1 to entry: A leg rest might or might not be permanently attached to the structure of the item of seating.

### 3.3

#### **foot rest**

part intended to support the feet of the user and which assists the user getting on or off an item of seating

Note 1 to entry: A foot rest might or might not be permanently attached to the structure of the item of seating.

### 3.4

#### **work chair**

chair, with or without arm rests, for use by one adult in the office or home office (for example working with a computer), whose upper part, which includes the seat and back, is supported on a single column and can rotate in the horizontal plane and is at least adjustable in height