

BS EN 12727:2016



BSI Standards Publication

# **Furniture — Ranked seating — Requirements for safety, strength and durability**

**National foreword**

This British Standard is the UK implementation of EN 12727:2016. It supersedes BS EN 12727:2000 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FW/0/2, Domestic and Contract Furniture.

A list of organizations represented on this committee 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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EUROPEAN STANDARD

**EN 12727**

NORME EUROPÉENNE

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ICS 97.140

Supersedes EN 12727:2000

English Version

## Furniture - Ranked seating - Requirements for safety, strength and durability

Ameublement - Sièges en rangées - Exigences de  
sécurité, de résistance et de durabilité

Möbel - Festmontiertes Reihengestühl - Anforderungen  
an die Sicherheit, Festigkeit und Dauerhaltbarkeit

This European Standard was approved by CEN on 26 September 2016.

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## European foreword

This document (EN 12727:2016) 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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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 supersedes EN 12727:2000.

The main changes in the document are to reference the revised standard EN 1728:2012.

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 requirements determining the safety, structural strength and durability of all types of seating that are permanently fastened to the floor and/or wall, whether in bench or individual seat form.

This standard does not apply to linked seating not fastened to the floor and/or walls and street furniture.

It does not include requirements for resistance to ageing, degradation, flammability, the effect of ambient temperature and the durability of upholstery materials.

The standard has two annexes:

- Annex A (normative) Additional test methods;
- Annex B (informative) Test severity in relation to application.

## 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.

EN 1728:2012, *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 part**  
part to which access can easily be gained by the user when the seating is in the intended configuration of use and for which the probability of intentional user contact is high

**3.2  
shear and squeeze points**  
shear and squeeze points exist if the distance between two accessible parts moving relatively to each other is less than 18 mm and more than 7 mm for adults in any position during movement

**3.3  
structure**  
load bearing parts of furniture such as the frame, seat, back and arm supports and suspension

**3.4  
auxiliary writing surface**  
small work surface for writing or similar activities

## 4 Test conditions

General test conditions shall be in accordance with EN 1728:2012, Clause 4.