



**NSAI**  
Standards

Irish Standard  
I.S. EN 581-1:2017

# Outdoor furniture - Seating and tables for camping, domestic and contract use - Part 1: General safety requirements

**I.S. EN 581-1:2017**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

*NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.*

*This document is based on:*

EN 581-1:2017

*Published:*

2017-03-08

*This document was published  
under the authority of the NSAI  
and comes into effect on:*

2017-03-26

ICS number:

97.140

97.200.30

NOTE: If blank see CEN/CENELEC cover page

NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

## National Foreword

I.S. EN 581-1:2017 is the adopted Irish version of the European Document EN 581-1:2017, Outdoor furniture - Seating and tables for camping, domestic and contract use - Part 1: General safety requirements

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

For relationships with other publications refer to the NSAI web store.

**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

This page is intentionally left blank

**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 581-1**

March 2017

ICS 97.140; 97.200.30

Supersedes EN 581-1:2006

English Version

**Outdoor furniture - Seating and tables for camping,  
domestic and contract use - Part 1: General safety  
requirements**

Mobilier d'extérieur - Sièges et tables à usage  
domestique, collectif et de camping - Partie 1 :  
Exigences générales de sécurité

Außenmöbel - Sitzmöbel und Tische für den Camping-,  
Wohn- und Objektbereich - Teil 1: Allgemeine  
sicherheitstechnische Anforderungen

This European Standard was approved by CEN on 9 January 2017.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

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.

CEN members are the national standards bodies of 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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>
<b>1 Scope.....</b>	<b>4</b>
<b>2 Normative references.....</b>	<b>4</b>
<b>3 Terms and definitions .....</b>	<b>4</b>
<b>4 Test probes.....</b>	<b>5</b>
<b>Figure 1 — Measuring probes.....</b>	<b>5</b>
<b>5 Safety requirements.....</b>	<b>5</b>
<b>5.1 General.....</b>	<b>5</b>
<b>5.2 Tubular components.....</b>	<b>5</b>
<b>5.3 Shear and squeeze points.....</b>	<b>5</b>
<b>5.3.1 Shear and squeeze points when erecting, adjusting and folding away .....</b>	<b>5</b>
<b>5.3.2 Shear and squeeze points under the influence of powered mechanisms.....</b>	<b>5</b>
<b>5.3.3 Shear and squeeze points during use .....</b>	<b>6</b>
<b>6 Test report.....</b>	<b>6</b>
<b>Annex A (informative) Schematic presentation of requirements and conditions concerning shear and squeeze points.....</b>	<b>7</b>
<b>Figure A.1 — Schematic presentation of requirements and conditions concerning shear and squeeze points.....</b>	<b>7</b>
<b>Annex B (informative) Rationale for injury of fingers.....</b>	<b>8</b>

## **European foreword**

This document (EN 581-1:2017) 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 2017, and conflicting national standards shall be withdrawn at the latest by September 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 581-1:2006.

Compared to EN 581-1:2006, the main modifications are:

- clarification of the definitions (camping, domestic and contract use) taken from Annex B and put in Clause 3 (so Annex B will be superseded),
- test method is deleted, edges and corners are modified to take into account accessible part during use (accessible parts for seating and tables are defined),
- tubular components are defined, requirements for gaps and holes removed,
- addition of an Annex B (informative) as a rationale to explain the risks covered with requirements in Clause 5.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## EN 581-1:2017 (E)

### 1 Scope

This part of EN 581 specifies the general safety requirements for outdoor seating and tables for camping, domestic and contract for use by adults, without regard to materials, design/construction or manufacturing processes.

It does not apply to seating for spectator facilities.

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

Mechanical safety requirements are covered by EN 581-2 for seating and EN 581-3 for tables.

Annex A (informative) is a schematic presentation of requirements and conditions concerning shear and squeeze points.

Annex B (informative) is a rationale concerning fingers injury.

### 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 581-2:2015, *Outdoor furniture - Seating and tables for camping, domestic and contract use - Part 2: Mechanical safety requirements and test methods for seating*

EN 581-3:2007, *Outdoor furniture - Seating and tables for camping, domestic and contract use - Part 3: Mechanical safety requirements and test methods for tables*

### 3 Terms and definitions

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

#### 3.1

##### **automatic locking mechanism**

mechanism which engages without guidance by the user and prevents unintended movement

#### 3.2

##### **shear and squeeze point**

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

#### 3.3

##### **outdoor furniture for contract use**

outdoor furniture intended for non-private use in places with public access

#### 3.4

##### **outdoor furniture for domestic use**

outdoor furniture intended for private use in places without public access

#### 3.5

##### **outdoor furniture for camping use**

outdoor furniture foldable or knock-down and light-weight, intended for use in connection with camping and travelling



This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-