

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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 581-1:2017 sisaldab Euroopa standardi EN 581-1:2017 ingliskeelset teksti.	This Estonian standard EVS-EN 581-1:2017 consists of the English text of the European standard EN 581-1:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 08.03.2017.	Date of Availability of the European standard is 08.03.2017.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 97.140, 97.200.30

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:
Koduleht www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:

Homepage www.evs.ee; phone +372 605 5050; e-mail info@evs.ee

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

Contents

Page

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

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.

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