SLOVENSKI STANDARD
SIST EN 581-3:2017

01-november-2017

Nadomešča:
SIST EN 581-3:2007

Zunanje pohištvo - Sedežno pohištvo in mize za domačo in javno uporabo ter taborjenje - 3. del: Mehanske varnostne zahteve za mize

Outdoor furniture - Seating and tables for camping, domestic and contract use - Part 3: Mechanical safety requirements for tables

Außenmöbel - Sitzmöbel und Tische für den Camping-, Wohn- und Objektbereich - Teil 3: Mechanische Sicherheitsanforderungen für Tische

Mobilier d'extérieur - Sièges et tables à usages domestique, collectif et de camping - Partie 3 : Exigences mécaniques de sécurité pour les tables

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Ta slovenski standard je istoveten z: **EN 581-3:2017**

ICS:

97.140	Pohištvo	Furniture
97.200.30	Oprema za taborjenje in tabori	Camping equipment and camp-sites

SIST EN 581-3:2017 **en,fr,de**

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 581-3

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ICS 97.140; 97.200.30

Supersedes EN 581-3:2007

English Version

Outdoor furniture - Seating and tables for camping, domestic and contract use - Part 3: Mechanical safety requirements for tables

Mobilier d'extérieur - Sièges et tables à usages domestique, collectif et de camping - Partie 3 : Exigences de sécurité, de résistance et de durabilité pour les tables

Außenmöbel - Sitzmöbel und Tische für den Camping-, Wohn- und Objektbereich - Teil 3: Mechanische Sicherheitsanforderungen für Tische

This European Standard was approved by CEN on 22 October 2016.

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

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European foreword

This document (EN 581-3:2017) 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of an identical text or by endorsement, at the latest by July 2017, and conflicting national standards shall be withdrawn at the latest by July 2017.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 581-3:2007.

Compared to the current version, the main modifications are:

— update the references with new EN 1730:2012;

— harmonize this standard with EN 581-2:2015.

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.

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1 Scope

This European Standard specifies the minimum requirements for the safety, strength and durability of all types of outdoor tables for adults, without regard to materials, design/construction or manufacturing processes.

It does not apply to street furniture.

With the exception of stability tests the standard does not provide assessment of the suitability of any storage features included in tables.

It does not include requirements for the durability of castors/wheels and height adjustment mechanisms.

It does not include requirements for electrical safety.

It does not include requirements for the resistance to ageing and degradation caused by light, temperature and moisture.

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 581-1:2017, *Outdoor furniture — Seating and tables for camping, domestic and contract use — Part 1: General safety requirements*

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EN 1730:2012, *Furniture - Tables - Test methods for the determination of stability, strength and durability*

EN 12150-1:2015, *Glass in building - Thermally toughened soda lime silicate safety glass - Part 1: Definition and description*

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EN 12600:2002, *Glass in building - Pendulum test - Impact test method and classification for flat glass*

3 Terms and definitions

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

3.1
outdoor furniture for contract use
outdoor furniture intended for non-private use in places with public access

3.2
outdoor furniture for domestic use
outdoor furniture intended for private use in places without public access

3.3
outdoor furniture for camping use
outdoor furniture foldable or knock-down and light-weight, intended for use in connection with camping and travelling

3.4
street furniture
outdoor furniture use in public space, permanently fixed to the ground or any structure (e.g. bus stop, wall etc.) or not able to be manually removed

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4 Testing

Testing shall be carried out as specified in EN 1730.

5 Safety, strength and durability requirements

5.1 General

Before and after the strength, durability and stability tests are carried out, the requirements of EN 581-1:2017 shall be fulfilled.

Glass table tops shall fulfil the requirements in EN 12150-1:2015, Clause 8, fragmentation test, or the mode of breakage (β) according to EN 12600:2002 shall be Type B or Type C.

Holes for parasol in glass table top shall be protected to prevent metal to glass contact.

5.2 Stability, strength and durability

5.2.1 Test sequences and parameters

The table shall be tested following the order listed in Table 1.

Table 1 — Test sequence and test parameters

Test	Reference	Test parameters			
		Specification	Camping	Domestic	Contract
1. Vertical static load on main surface For tables with a table top surface more than 0,25 m^2 [b]	EN 1730:2012, 6.3.1	Specified force, N a) main surface for tables with a height less than or equal to 950 mm b) main surfaces for tables with a height greater than 950 mm Cycles	300 - 10	750 500 10	1 000 500 10
2. Vertical static load on main surface For tables with a table top surface less than or equal to 0,25 m^2 [b]	EN 1730:2012, 6.3.1	Specified force, N Cycles	150 10	300 10	500 10
3. Additional vertical static load test where the main surface has a length > 1	EN 1730:2012, 6.3.2	Specified force, N Cycles	500 10	750 10	1 000 10

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Test	Reference	Test parameters			
		Specification	Camping	Domestic	Contract
600 mm					
4. Vertical static load on ancillary surface	EN 1730:2012, 6.3.3	Specified force, N Cycles	100 10	200 10	300 10
5. Horizontal durability test	EN 1730:2012, 6.4.2	Specified mass, kg Specified force, N Cycles:	50 100 5 000	50 150 10 000	50 300 20 000
6. Stability under vertical load [a] [b]	EN 1730:2012, 7.2	Specified force, N V_1 V_2	200 200	200 400	200 400
7. Stability for tables with extension elements [a]	EN 1730:2012, 7.3	Specified extension element load, kg/dm^3 Specified vertical load, N determined by EN 1730:2012, Table 2 V_1 V_2	0,2 200 200	0,2 200 400	0,5 200 400
8. Stability of tables designed to support a parasol [a]	EN 1730:2012, 7.4	Test force, N	30	30	30

[a] For tables that might not fulfil the stability requirements before carrying out any tests, the applicable stability tests can be carried out additionally before starting the sequence of tests specified in this table.

[b] Tables with extension pieces shall be tested both in the extended and unextended configurations. A table extension added in the centre of the table shall be tested as the main surface. A part of the main surface in the unextended configuration can become an ancillary surface in the extended configuration.

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5.2.2 Requirements

The safety, strength and durability requirements are fulfilled after testing in accordance with Table 1 when:

a) there are no fractures of any member, joint or component,

b) there are no loosening of joints intended to be rigid,

c) the table fulfils its functions after removal of the test loads.

The product shall not overturn when subjected to the stability tests.

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6 Information for use

Instruction for use shall be provided in the language(s) of the country where the tables are sold. These instructions shall be headed “IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY” in letters no less than 5 mm high, unless if the following information is permanently marked on the product.

It shall contain at least the following details:

a) name and address of the manufacturer/supplier/retailer;

b) conditions for use of the product (domestic, camping or contract).

If applicable:

c) assembly instructions;

d) instructions for the care and maintenance of the table;

e) tables which have a hole for a parasol, but which are not intended to support a parasol alone, a warning indicating that a parasol shall always be used with a suitable base.

7 Test report

The test report shall include at least the following information:

a) a reference to this European Standard (EN 581-3:2017);

b) details of the piece of furniture tested;

c) details of defects observed before testing;

d) any variation from the specified temperature range;

e) the test results;

f) the name and address of the test facility;

g) the date of test.

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Annex A
(informative)

Purchase information (guidelines)

To allow the consumer to select a product that will be suitable for the intended use prior to purchase, purchase information should be available without the need to open any package. This should include:

— identification of the product;

— product characteristics such as dimensions, storage information, maintenance, etc.;

— conditions for use of the product (camping, domestic or contract);

— a warning if the table having a hole for a parasol is not intended to support a parasol.

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