

Office furniture - Work tables - Part 2: Safety, strength  
and durability requirements

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN 527-2:2016+A1:2019 sisaldab Euroopa standardi EN 527-2:2016+A1:2019 ingliskeelset teksti.	This Estonian standard EVS-EN 527-2:2016+A1:2019 consists of the English text of the European standard EN 527-2:2016+A1:2019.
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 01.05.2019.	Date of Availability of the European standard is 01.05.2019.
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](mailto:standardiosakond@evs.ee).

ICS 97.140

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](http://www.evs.ee); telefon 605 5050; e-post [info@evs.ee](mailto: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](http://www.evs.ee); phone +372 605 5050; e-mail [info@evs.ee](mailto:info@evs.ee)

English Version

## Office furniture - Work tables - Part 2: Safety, strength and durability requirements

Mobilier de bureau - Tables de travail de bureau -  
Partie 2: Exigences de sécurité, de résistance et de  
durabilité

Büromöbel - Büro-Arbeitstische - Teil 2:  
Anforderungen an die Sicherheit, Festigkeit und  
Dauerhaltbarkeit

This European Standard was approved by CEN on 16 October 2016 and includes Amendment 1 approved by CEN on 1 March 2019.

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: Rue de la Science 23, B-1040 Brussels

## Contents

Page

European foreword.....	3
1 Scope.....	4
2 Normative references.....	4
3 Terms and definitions .....	4
4 Safety requirements.....	4
4.1 General.....	4
4.2 Shear and squeeze points.....	5
4.2.1 Shear and squeeze points when setting up and folding.....	5
4.2.2 Shear and squeeze points under influence of powered mechanisms .....	5
4.2.3 Shear and squeeze points during use .....	5
4.3 Stability requirements .....	5
4.4 Structural safety requirements.....	5
5 Strength and durability.....	5
5.1 General.....	5
Table 1 — Test sequence and parameters .....	6
5.2 Requirements .....	8
6 Information for use .....	8
7 Test report.....	8
Annex A (informative) Test for the deflection of table tops .....	9
Annex B (informative) Stiffness of the structure - example.....	10
Figure B.1 — Stiffness of the structure .....	10

## European foreword

This document (EN 527-2:2016+A1:2019) 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 November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

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 includes Amendment 1 approved by CEN on 1 March 2019.

The start and finish of text introduced or altered by amendment is indicated in the text by

tags **A1** **A1**.

This document supersedes **A1** EN 527-2:2016 **A1**.

Compared to the previous version, modifications are:

- Test sequence and parameters are included, according to tests in EN 1730:2012 instead of EN 527-3:2003, which will be withdrawn;
- Suppression of A-deviation;
- Addition of an Annex B (informative) for an example of calculation for stiffness of the structure.

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 European Standard specifies safety, strength and durability requirements for work tables and desks for office tasks to be undertaken in a seated, a sit-stand or standing position.

It does not apply to other tables in the office area, which are covered by EN 15372.

Annex A (informative) contains a test for the deflection of tables tops.

Annex B (informative) contains an example of calculation of the stiffness of the structure.

## 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 1730:2012, *Furniture - Tables - Test methods for the determination of stability, 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 table is in its intended configuration of use and for which the probability of unintentional user contact is high

### 3.2

#### **part accessible during setting up and folding**

part to which access can only be gained when setting up and folding the table

### 3.3

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

gap which can cause harm to fingers and which occurs when two accessible parts move relative to each other

### 3.4

#### **overturn**

event at which a table pivots to a point beyond which the table continues to fall

## 4 Safety requirements

### 4.1 General

The table shall be designed so as to minimize the risk of injury to the user.

All parts of the table with which the user comes into contact during intended use, shall be designed so that physical injury and damage are avoided.

These requirements are fulfilled when:

- a) all accessible edges and corners are free from burrs and rounded or chamfered;
- b) the edges and corners of the top surfaces are chamfered not less than 1 mm by 1 mm or rounded with a radius of not less than 2 mm;