

SLOVENSKI STANDARD

SIST EN 16285:2022

01-januar-2022

Nadomešča:
SIST EN 16285:2013

Embalaža - Prožne aluminijaste tube - Preskusne metode za merjenje deformacije telesa aluminijaste tube (preskus z giljotino)

Packaging - Flexible aluminium tubes - Test method to measure the deformation of the aluminium tube body (Guillotine test)

Packmittel - Aluminiumtuben - Prüfverfahren zur Messung der Verformung des Mantels von Aluminiumtuben (Guillotine-Prüfung)

Emballage - Tubes souples en aluminium - Méthode d'essai pour mesurer la déformation du corps du tube en aluminium (test Guillotine)

ITEH STANDARD PREVIEW
(standards.iteh.ai)
SIST EN 16285:2022
<https://standards.iteh.ai/catalog/standards/sist/e559eda8-9dd9-4493-8430-59d3897d9f4b/sist-en-16285-2022>

Ta slovenski standard je istoveten z: EN 16285:2021

ICS:

55.120	Pločevinke. Tube	Cans. Tins. Tubes
77.150.10	Aluminijski izdelki	Aluminium products

SIST EN 16285:2022

en,fr,de

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 16285:2022

<https://standards.iteh.ai/catalog/standards/sist/e559eda8-9dd9-4493-8430-59d3897d9f4b/sist-en-16285-2022>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 16285

November 2021

ICS 55.120

Supersedes EN 16285:2013

English Version

**Packaging - Flexible aluminium tubes - Test method to
measure the deformation of the aluminium tube body
(Guillotine test)**

Emballage - Tubes souples en aluminium - Méthode
d'essai pour mesurer la déformation du corps du tube
en aluminium (essai Guillotine)

Packmittel - Aluminiumtuben - Prüfverfahren zur
Messung der Verformung des Mantels von
Aluminiumtuben (Guillotine-Prüfung)

This European Standard was approved by CEN on 30 August 2021.

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.

iTeh STANDARD PREVIEW

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, 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 Testing equipment	4
5 Requirements	6
6 Procedure	6
7 Test report	6

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 16285:2022

<https://standards.iteh.ai/catalog/standards/sist/e559eda8-9dd9-4493-8430-59d3897d9f4b/sist-en-16285-2022>

European foreword

This document (EN 16285:2021) has been prepared by Technical Committee CEN/TC 261 “Packaging”, the secretariat of which is held by AFNOR.

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 2022, and conflicting national standards shall be withdrawn at the latest by May 2022.

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 16285:2013.

In comparison with the previous edition, the following technical modifications have been made:

- clarifications have been introduced for the provisions of the test device;
- two new nominal diameters have been added in Table 1 — Deformation values.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 16285:2021 (E)**1 Scope**

This document specifies a method to measure the deformation of the aluminium tube body.

It is applicable to cylindrical aluminium tubes used for packing pharmaceutical, cosmetic, hygiene, food and other domestic and industrial products.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp/ui>

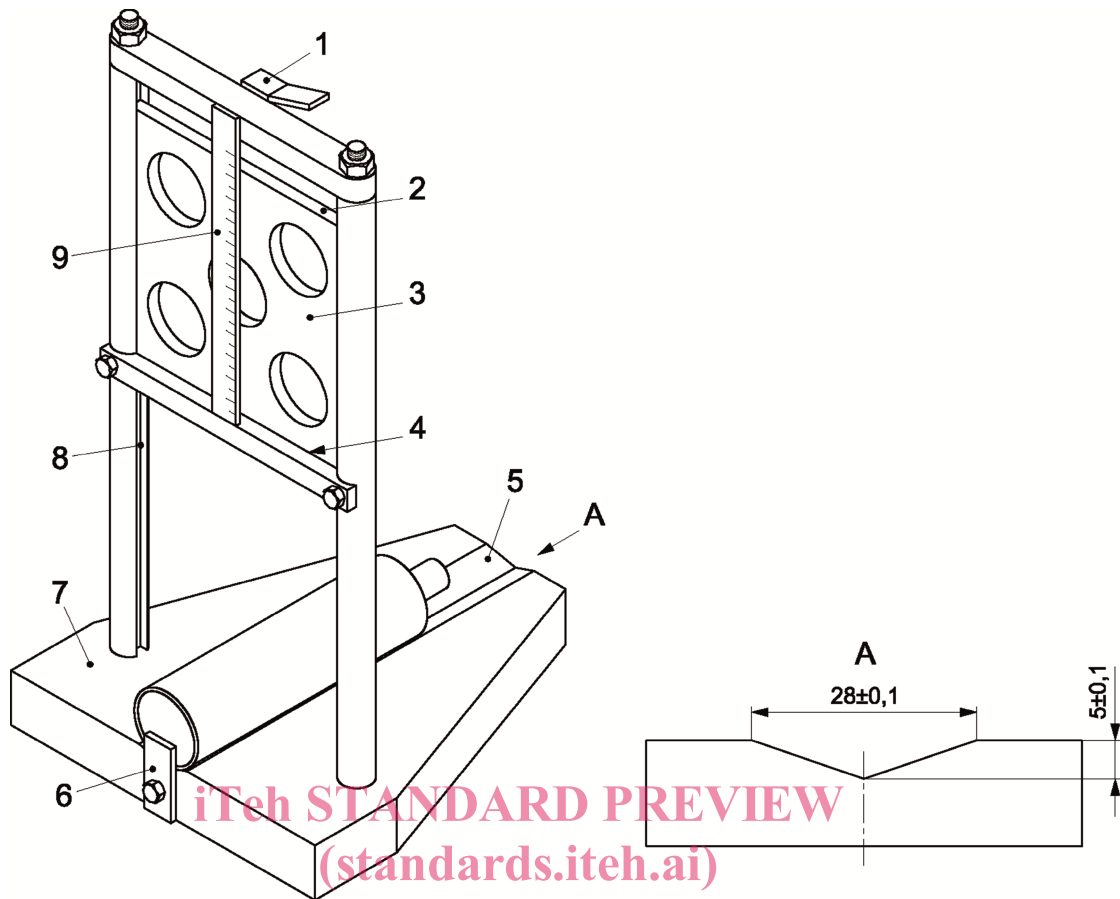
4 Testing equipment

The testing equipment (see Figure 1) shall conform to the information given below. Appropriate data should be chosen where no details are given.

ITEH STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 16285:2022

<https://standards.iteh.ai/catalog/standards/sist/e559eda8-9dd9-4493-8430-59d3897d9f4b/sist-en-16285-2022>

**Key**

- 1 locking lever for drop weight
- 2 upper edge of drop weight
- 3 drop weight
- 4 lower edge of drop weight burr-free
- 5 prism-shaped support
- 6 limit stop
- 7 base plate
- 8 width of guide groove
- 9 scale

Figure 1 — Test equipment

With the drop weight locked in position (the situation shown), the lower edge of the drop weight is in line with the value '0' on the scale. If the drop weight is released and there is no test piece, the drop weight will rest on the base plate. The upper edge of the drop weight then corresponds to the value '0' on the scale. The scale is 0 mm to 120 mm. The width of the guide groove is $5,3^{+0,2}_{-0}$ mm.

The height of the fall of the drop weight is (115 ± 1) mm. The thickness of the drop weight is $5_0^{+0,1}$ mm. The total weight is $(25 \pm 0,1)$ g or $(75 \pm 0,1)$ g.

The distance between the drop weight and the limit stop is 32 mm for tubes with a diameter of more than 13,5 mm and 20 mm for tubes with diameters of 9,8 mm, 11 mm and 13,5 mm.