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Packaging - Rigid plastic containers - PET finish 29/25  
(12,6)



## EESTI STANDARDI EESSÕNA

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ICS 55.100

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EUROPEAN STANDARD

**EN 16592**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2022

ICS 55.100

Supersedes EN 16592:2014

English Version

## Packaging - Rigid plastic containers - PET finish 29/25 (12,6)

Emballage - Récipients en plastique rigide - Bague PET  
29/25 (12,6)

Verpackung - Formstabile Kunststoffbehälter - PET-  
Verschlussmundstück 29/25 (12,6)

This European Standard was approved by CEN on 19 September 2022.

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.

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

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<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Introduction</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>5</b>
<b>4 Dimensions</b> .....	<b>5</b>
<b>5 Requirements</b> .....	<b>6</b>
<b>Bibliography</b> .....	<b>8</b>

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## European foreword

This document (EN 16592:2022) 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of an identical text or by endorsement, at the latest by April 2023, and conflicting national standards shall be withdrawn at the latest by April 2023.

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 16592:2014.

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

- the explanations about the tamper evident feature have been removed from the scope;
- the possibility of having an attached cap is now mentioned;
- in Figure 1: removal from the tolerance on the neck diameter  $\varnothing 28.00$ , the dimension is now indicated  $\varnothing (28.00)$ ; a straight cylindrical zone of 3,50 mm is indicated under the support ledge; the angle of thread profile is  $20^\circ$  instead of  $22^\circ$  in the section B-B; the radius at the upper root of the support ledge in section B-B is R1 instead of R0,5;
- in detail C, the E dimension is (27,60) instead of (27,80), the concentricity of  $\varnothing F$  is specified to  $\varnothing A$  instead of to  $\varnothing C$ ;
- the weight has been recalculated at 2,42 g instead of 2,41 g;
- many editorial modifications have been made to clarify the specification.

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, Türkiye and the United Kingdom.

## **Introduction**

Efficient packaging is a significant factor in respect of the distribution and the protection of goods. Insufficient or inappropriate packaging can lead to damage or wastage of the contents of the pack.

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## 1 Scope

This document specifies the design and dimensions of the 29 mm screw finish with three (3) thread starts for flat waters and non-carbonated beverages.

This document applies to finishes designated as PET finishes 29/25 (12,6). The dimension (12,6) is the height in millimetres from the top of finish to the bottom of the support ledge.

This finish can be used for aseptic filling and filling which utilizes nitrogen pressure where the internal overpressure does not exceed 1 bar maximum.

This finish is designed to accept only a tamper evident plastic closure, including those with an attachment feature.

## 2 Normative references

There are no normative references in this document.

## 3 Terms and definitions

No terms and definitions are listed in this document.

## 4 Dimensions

**4.1** The design and dimensions of the finish shall be as shown in Figure 1. Dimensions are those of the preform.

**4.2** Dimensions of the 3 thread starts 120° apart:

180° of full thread per lead:

- Radius 6,25 mm thread run-in;
- Radius 6,25 mm thread run-out.

Lead: 6,5 mm (travel per turn).

**4.3** General tolerance for other radii:  $\pm 0,13$  mm.

**4.4** Weight on height 12,6 mm: 2,42 g (density = 1,335 g/cm<sup>3</sup>).