

### SLOVENSKI STANDARD SIST EN 16592:2015

01-januar-2015

Embalaža - Toge plastične posode - PET-grla 29/25 (12,6)

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

Verpackung - 29/25 (12,6) Mündungstück für PET

Emballage - Conteneurs plastiques rigides A Bague 29/25 (12,6) en PET

Ta slovenski standard je istoveten z: (standards.iteh.ai) EN 16592:2014

SIST EN 16592:2015

https://standards.iteh.ai/catalog/standards/sist/75267c3f-6eaf-492b-a869-f65bc5ad4d05/sist-en-16592-2015

ICS:

55.100 Steklenice. Lonci. Kozarci Bottles. Pots. Jars

SIST EN 16592:2015 en,fr,de

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EUROPEAN STANDARD NORME EUROPÉENNE EN 16592

EUROPÄISCHE NORM

October 2014

ICS 55.100

#### **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 6 September 2014.

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

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#### **Foreword**

This document (EN 16592:2014) 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of an identical text or by endorsement, at the latest by April 2015, and conflicting national standards shall be withdrawn at the latest by April 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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#### Introduction

This European Standard is based on CE.T.I.E. (International Technical Centre for Bottling and Packaging) data sheet GME 30.26 (2009) [1].

Efficient packaging is of great importance for 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 European Standard specifies the design and dimensions of the 29 mm screw finish with three (3) thread starts for flat waters and non-carbonated beverages. This finish is designated PET finish 29/25 (12,6).

This finish can be used for aseptic filling and filling with nitrogen charge (internal overpressure inferior to 1 bar max). The dimension (12,6) is the height in millimetres from the top of finish to the bottom of the support ledge.

This finish is designed to accept a tamper evident plastic closure only. During first opening, the tamper evident band will separate from the closure shell and remain on a one way bottle neck or like bottles in the returnable market, the tamper evident band will tear but will remain connected to the closure shell.

#### 2 Dimensions

- **2.1** The design and dimensions of the finish shall be as shown in Figure 1. Dimensions are those of the preform.
- **2.2** Dimensions of the 3 thread starts 120° apart:
- 180° of full thread per lead:
  - R 6,25 mm thread run-in TANDARD PREVIEW
  - R 6,25 mm thread run-out standards.iteh.ai)

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

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- 2.3 General tolerance for others radii ± 0143 mmt-en-16592-2015
- **2.4** Weight on height 12,6 mm: 2,41 g (density =  $1,335 \text{ g/cm}^3$ ).

#### 3 Requirements

This finish is a top, side and inside seal finish.

This finish shall be smooth and free of any defects that will contribute to leaks. Flash not to exceed 0,13 mm per side, and not to be continuous.

The diameter under the support ledge shown at 28,00 mm refers to the preform and should be at 28,50 maximum on the blown bottle.

On the blown bottle, the control diameter C shall be free of any defects up to 4 mm down for the internal bore and across the sealing surface of the finish.

Requirements for good closure application on finish:

- 0,13 mm max out-of-parallel sealing surface with neck support ledge is allowed.
- An offset or vertical mismatch of thread is not to exceed 0,10 mm at the mould seam.

Variations in  $\emptyset$  E are to follow uniformly those of  $\emptyset$  T.

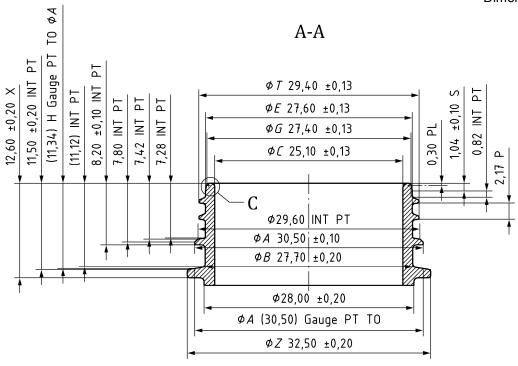
No overhang allowed at any point in 360° between  $\varnothing$  F and  $\varnothing$  G. A flash to 0,15 mm maximum step is allowable on one side only.  $\varnothing$  G does not exceed  $\varnothing$  E.

The success of the capping operation requires a correct adjustment and good conditions of maintenance of the capping equipment.

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Dimensions in millimetres



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