SLOVENSKI STANDARD
SIST EN 16594:2015

01-januar-2015

Embalaža - Toge plastične posode - PET-grla 26/22 (12,0)

Packaging - Rigid plastic containers - PET finish 26/22 (12,0)

Verpackung - Formstabile Kunststoffbehälter - PET-Verschlussmundstück 26/22 (12,0)

Emballage - Conteneurs plastiques rigides - Bague PET 26/22 (12,0)

Ta slovenski standard je istoveten z: **EN 16594:2014**

ICS:

55.100 Steklenice. Lonci. Kozarci Bottles. Pots. Jars

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English Version

Packaging - Rigid plastic containers - PET finish 26/22 (12,0)

Emballage - Récipients en plastique rigide - Bague PET 26/22 (12,0)

Verpackung - Formstabile Kunststoffbehälter - PET-Verschlussmundstück 26/22 (12,0)

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

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Foreword

This document (EN 16594:2014) 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of an identical text or by endorsement, at the latest by April 2015, and conflicting national standards shall be withdrawn at the latest by April 2015.

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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 30.28 (2011) [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.

1 Scope

This European Standard specifies the design and dimensions of the 26 mm screw finish with three thread starts for flat waters and non-carbonated beverages.

This finish can be used for aseptic filling and filling with nitrogen charge (internal overpressure inferior to 1 bar max).

The dimension (12,0) 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;

  — R 6,25 mm thread run-out.

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

2.3 General tolerance for others radii: ± 0,13 mm.

2.4 Weight on height 12,0 mm: 1,95 g (density = 1,335 g/cm^3).

3 Requirements

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

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

The diameter under the support ledge shown at 24,25 mm refers to the preform and should not exceed 24,75 maximum on the blown bottle.

On the blown bottle, the control diameter C shall be free of any defects to a depth of 4 mm in 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 Ø E are to follow uniformly those of Ø T.

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

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

Dimensions in millimetres

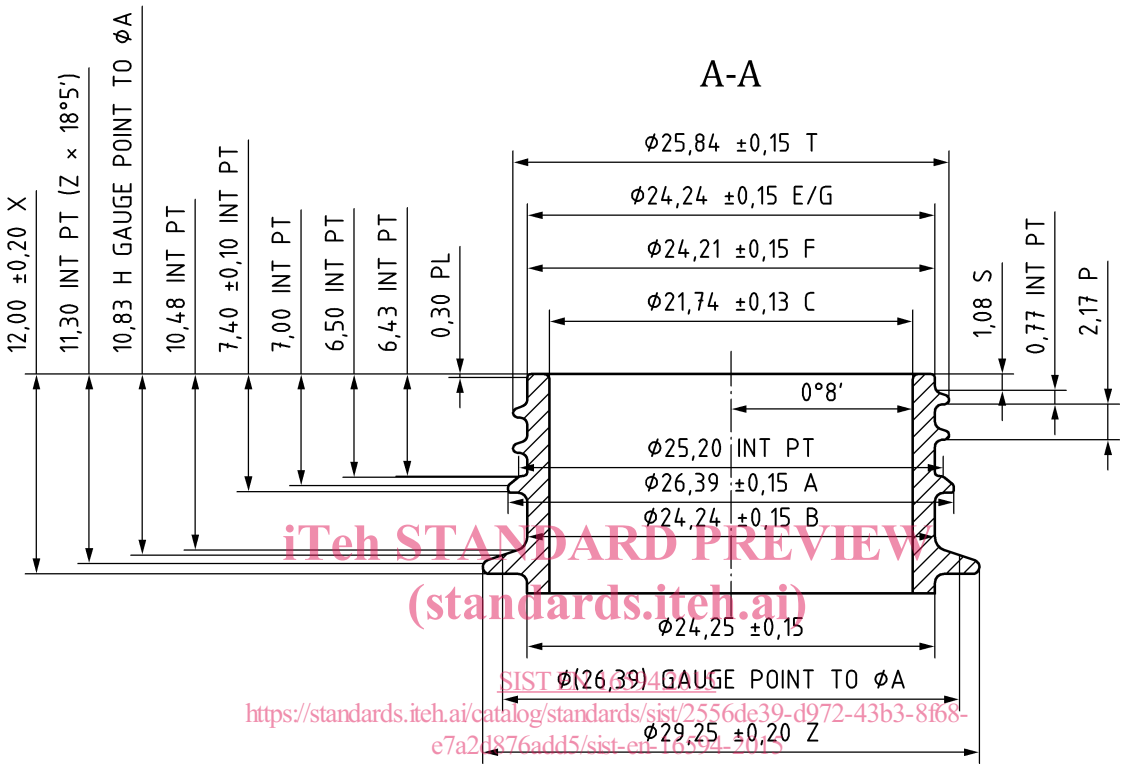

Figure 1a

Dimensions in millimetres

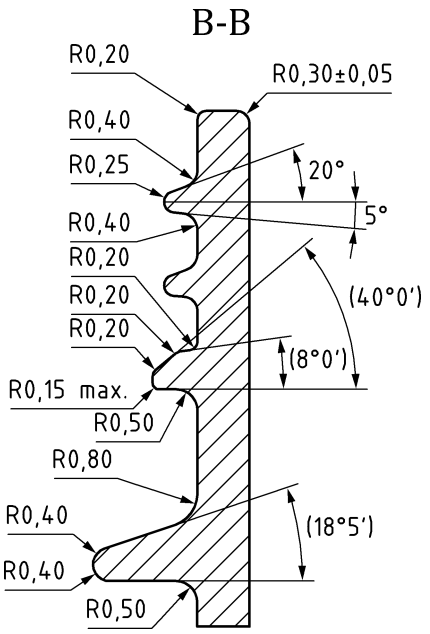

Figure 1b

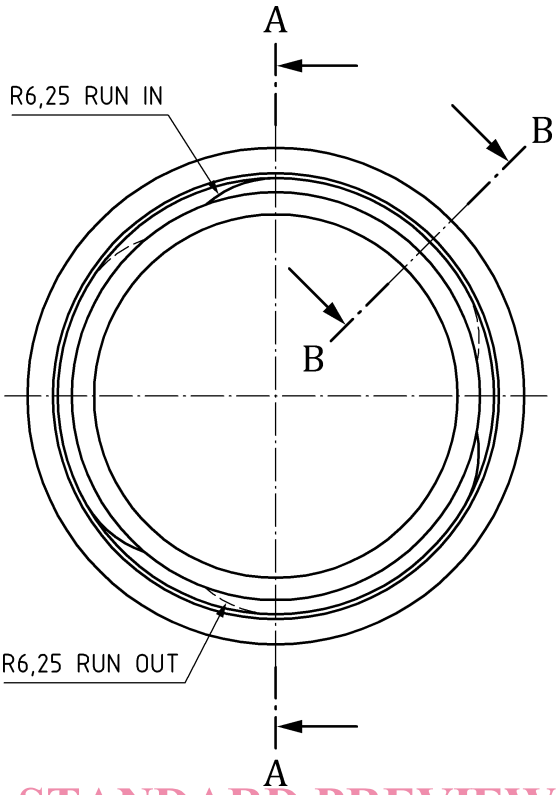

Figure 1c

Key

X Height from top of finish to bottom of support ledge

P Thread pitch

INT PT Intersection point

Z Maximum diameter on support ledge

T Thread crest diameter

A Tamper evident bead diameter

E Thread root diameter

B Tamper evident band recess diameter

F Upper ring diameter

S Height from top of finish to start of full depth of thread

C Control diameter at top of finish

G lower ring diameter

H clearance height required for proper closure function

PL Parting line

Figure 1 — Design and dimension of the finish