



SLOVENSKI STANDARD
oSIST prEN 16592:2013
01-julij-2013

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 - Bague 29/25 (12,6) en PET

Ta slovenski standard je istoveten z: prEN 16592

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ICS:

55.100 Steklenice. Lonci. Kozarci Bottles. Pots. Jars

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English Version

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

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

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

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Foreword

This document (prEN 16592:2013) has been prepared by Technical Committee CEN/TC 261 “Packaging”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

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Introduction

This document 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 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 finish is designated PET finish 29/25 (12,6).

This finish can be used for aseptic filling and filling with introduction of nitrogen (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 stay 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 thread run-in
- R 6,25 thread run-out

Lead: 6,5 mm (travel per turn)

2.3 General tolerance for others radii: $\pm 0,13$ mm

2.4 Weight on height 12,6 mm: 2,41 grams (density = 1,335)

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 on the preform will 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 \varnothing E are to follow uniformly those of \varnothing 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