



SLOVENSKI STANDARD
oSIST prEN 16287:2011
01-julij-2011

Steklena embalaža - Grla z navojem za steklenice pod tlakom - Grla MCA 1

Glass packaging - Screw finishes for pressure capsules - MCA 1 finish

Verpackungen aus Glas - Schraubmundstücke für Flaschen mit Innendruck - MCA 1-Mundstück

Emballage en verre - Bagues à vis pour capsules à pression - Bague MCA 1

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ICS:

55.100 Steklenice. Lonci. Kozarci Bottles. Pots. Jars

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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 16287

May 2011

ICS 55.100

English Version

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Emballage en verre - Bagues à vis pour capsules à pression - Bague MCA 1

Verpackungen aus Glas - Schraubmundstücke für Flaschen mit Innendruck - MCA 1-Mundstück

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 261.

If this draft becomes a European Standard, 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.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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Contents	Page
Foreword.....	3
Introduction	4
1 Scope	5
2 Definitions	5
3 Dimensions	5
Bibliography	10

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Foreword

This document (prEN 16287:2011) 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 related Packaging) data sheet GME 32-05 [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 dimensions of the 28 millimetres screw finish for glass containers designated MCA 1.

2 Terms and definitions

For the purposes of this European Standard, the following term and definition applies.

2.1

MCA

finish designed for the closure of pressurized or vacuum liquids with a tamper-evident closure (metal or plastic)

3 Dimensions

The design and dimensions of the finish shall be as shown in Table 1 and Figures 1, 2, 3 and 4.

Table 1

Pitch	β	TPI - Threads per inch (25,4 mm)	\emptyset cutter
3,175 mm	2° 12'	8	12,5 mm
β = Helix angle or angle of fixture to cutter			

NOTE 1 The $\tan \beta$ of helix angle for cutter is calculated via the following formula:

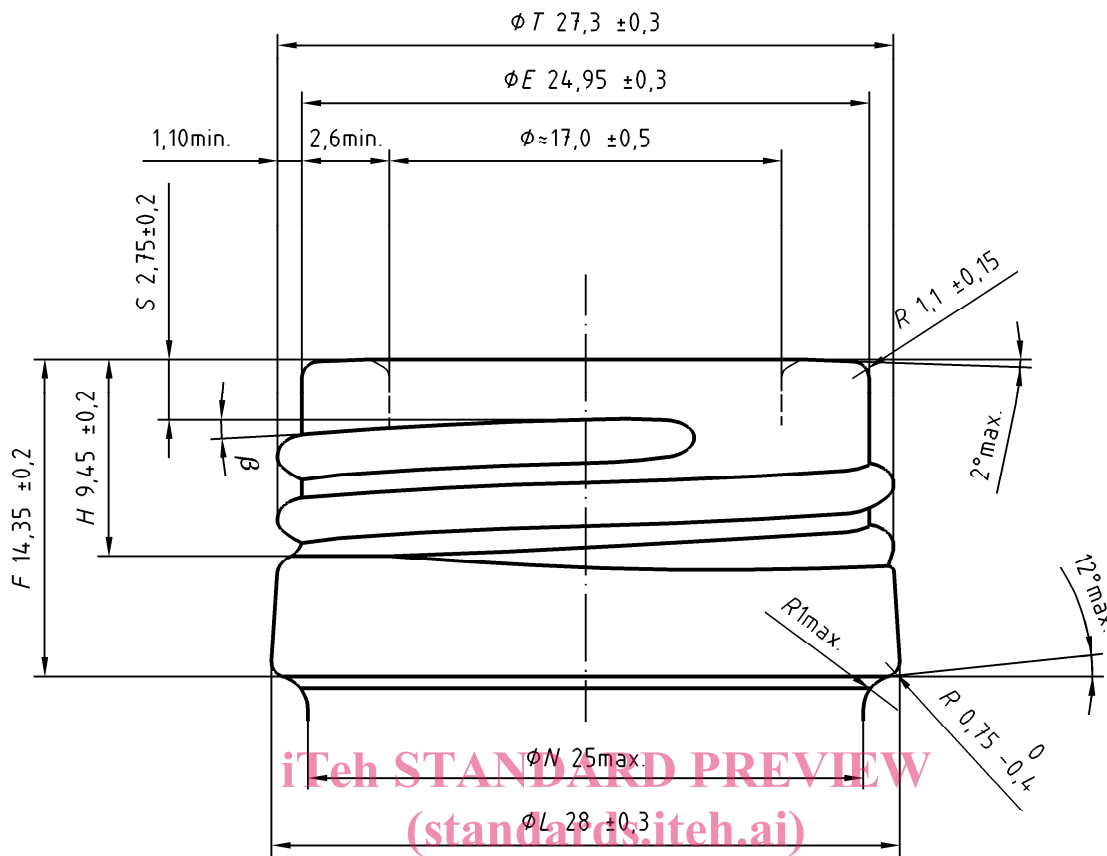
$$\tan \beta = \frac{\text{pitch}}{\frac{\pi (\text{nominal T} + \text{nominal E})}{2}}$$

NOTE 2 The average of the maximum and minimum of « L » diameter should be as close as possible to « L » nominal.

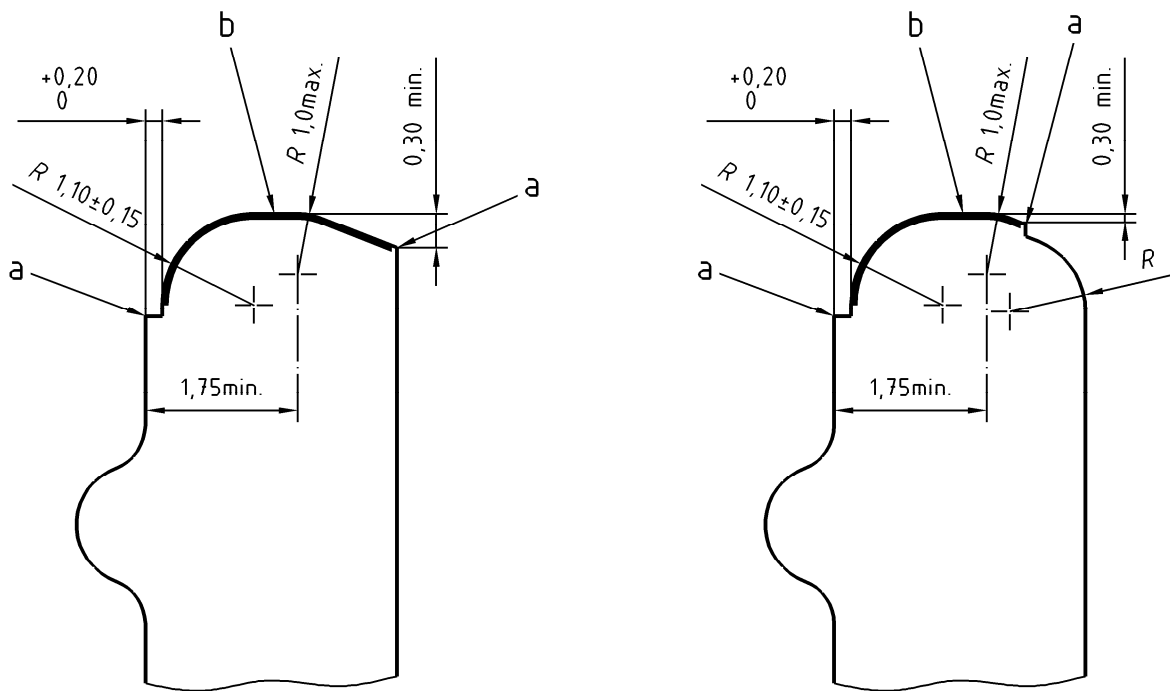
NOTE 3 The limit of the mean diameters should be within the tolerance $\pm 0,2$ mm.

$$(T-E-L) = \frac{\emptyset \text{ max} + \emptyset \text{ min}}{2}$$

NOTE 4 Optional: Depressed thread at mould parting line. (Document in preparation).



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Figure 1

**Key**

- a) Mould parting line
- b) Sealing surface

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Figure 2

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Possible alternative constructions of the bore entrance to suit glass manufacturer

NOTE The sealing surface should be smooth and free of any defects and flash.

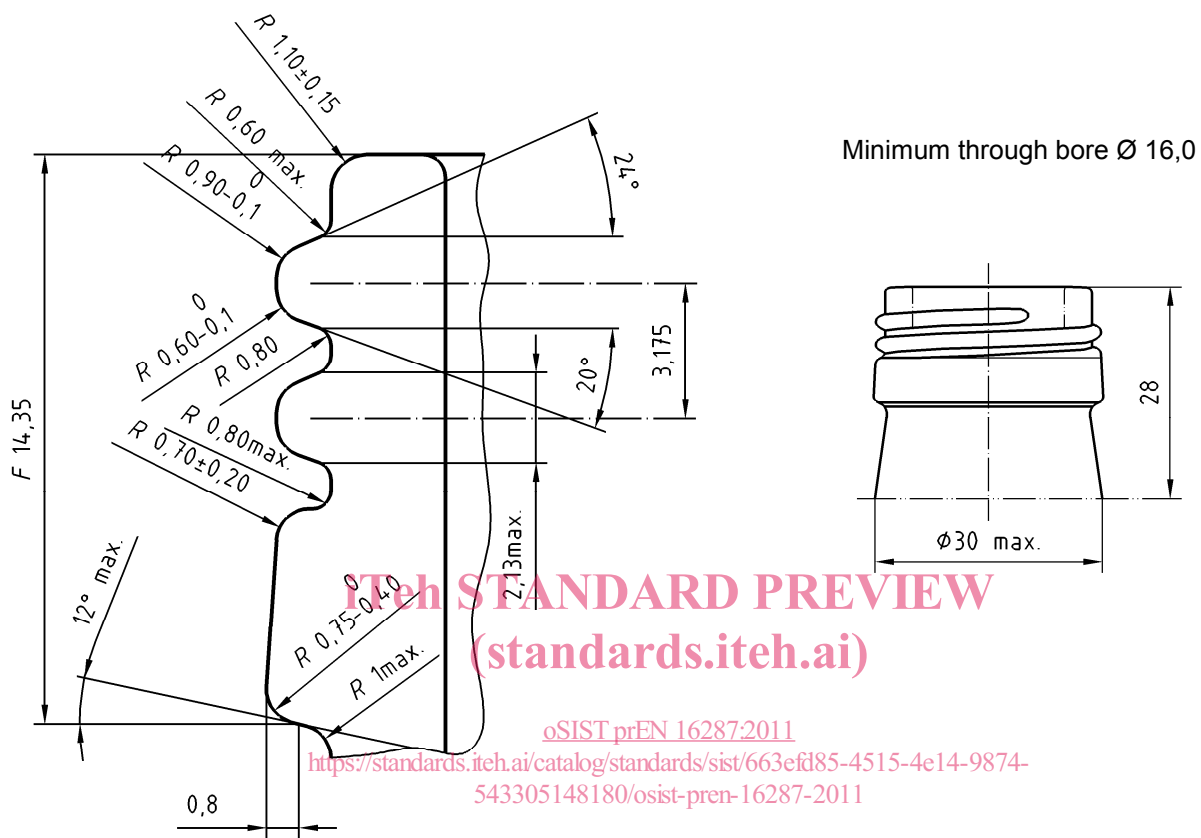


Figure 3 — Detail of the profile