SLOVENSKI STANDARD
oSIST prEN 16289:2011

01-julij-2011

Steklena embalaža - Grla z navojem za steklenice pod tlakom - Grla MCA 7,5 RF

Glass packaging - Screw finishes for pressure capsules - MCA 7,5 RF finish

Verpackungen aus Glas - Schraubmundstücke für Flaschen mit Innendruck - MCA 7,5 RF-Mundstück

Emballage en verre - Bagues à vis pour capsules à pression - Bague MCA 7,5 RF

Ta slovenski standard je istoveten z: **prEN 16289**

ICS:

55.100 Steklenice. Lonci. Kozarci Bottles. Pots. Jars

oSIST prEN 16289:2011 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 16289

May 2011

ICS 55.100

English Version

Glass packaging - Screw finishes for pressure capsules - MCA 7,5 RF finish

Emballage en verre - Bagues à vis pour capsules à pression - Bague MCA 7,5 RF

Verpackungen aus Glas - Schraubmundstücke für Flaschen mit Innendruck - MCA 7,5 RF-Mundstück

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Ref. No. prEN 16289:2011: E

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Foreword

This document (prEN 16289:2011) 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.

Introduction

This document is based on CE.T.I.E. (International Technical Centre for Bottling and related Packaging) data sheet GME 32-02 [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 mm finish for glass containers for pressurized or vacuum liquids designated MCA 7,5 RF.

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)	Ø cutter
3,387 mm	**2° 22'**	**7,5**	**12,5 mm**
β = Helix angle or angle or fixture to cutter			

NOTE 1 The Taṇ β of helix angle for cutter is calculated via the following formula.

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

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 ± 0,2 mm.

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

NOTE 3 Optional: Depressed thread at mould parting line. (Document in preparation).

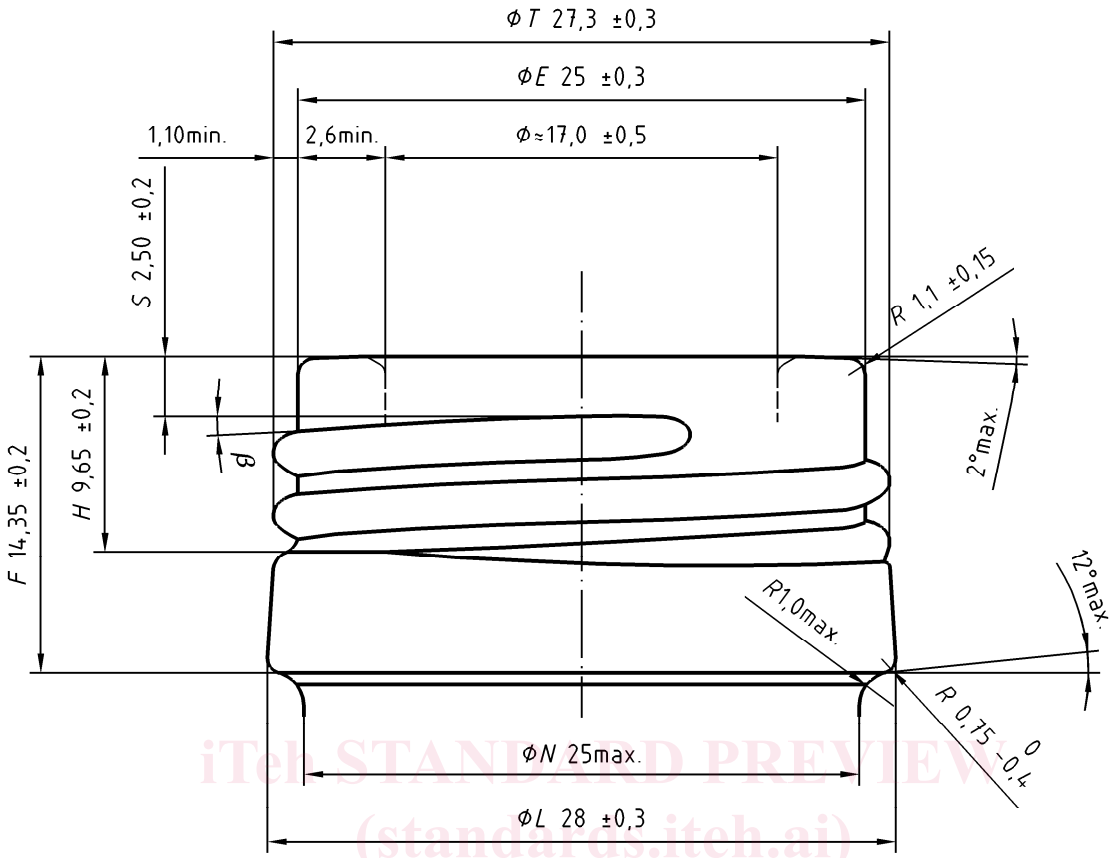
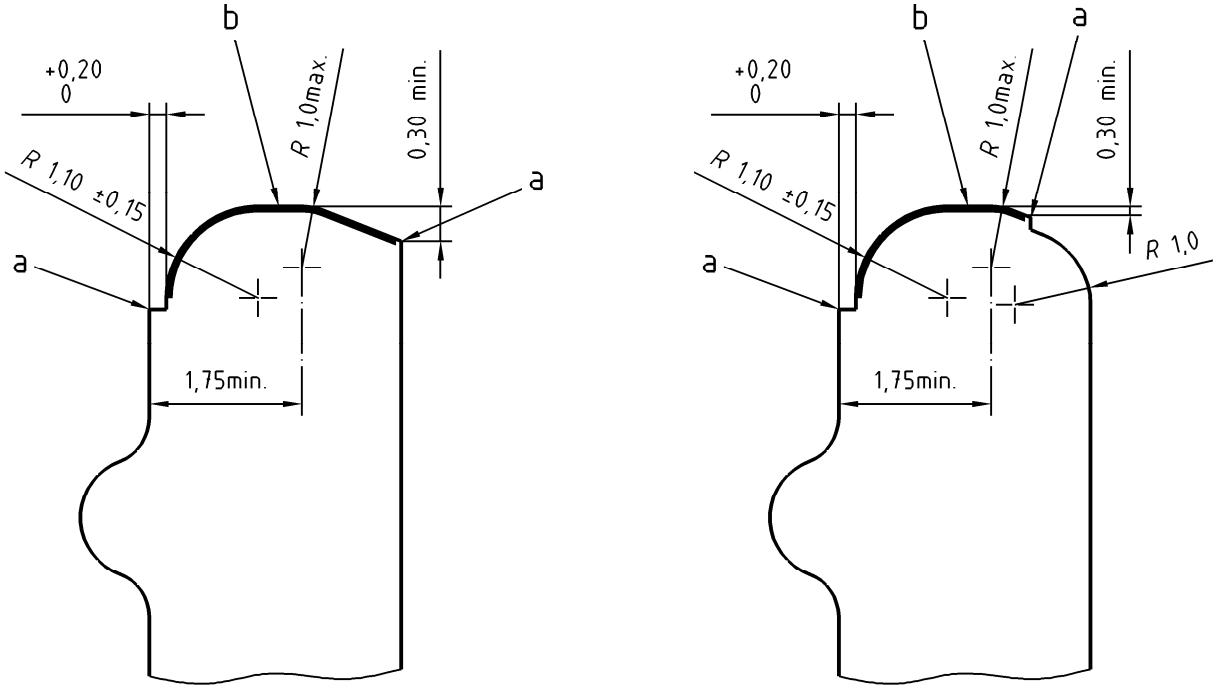


Figure 1



Key

a) Mould parting line
b) Sealing surface

Figure 2 — 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.

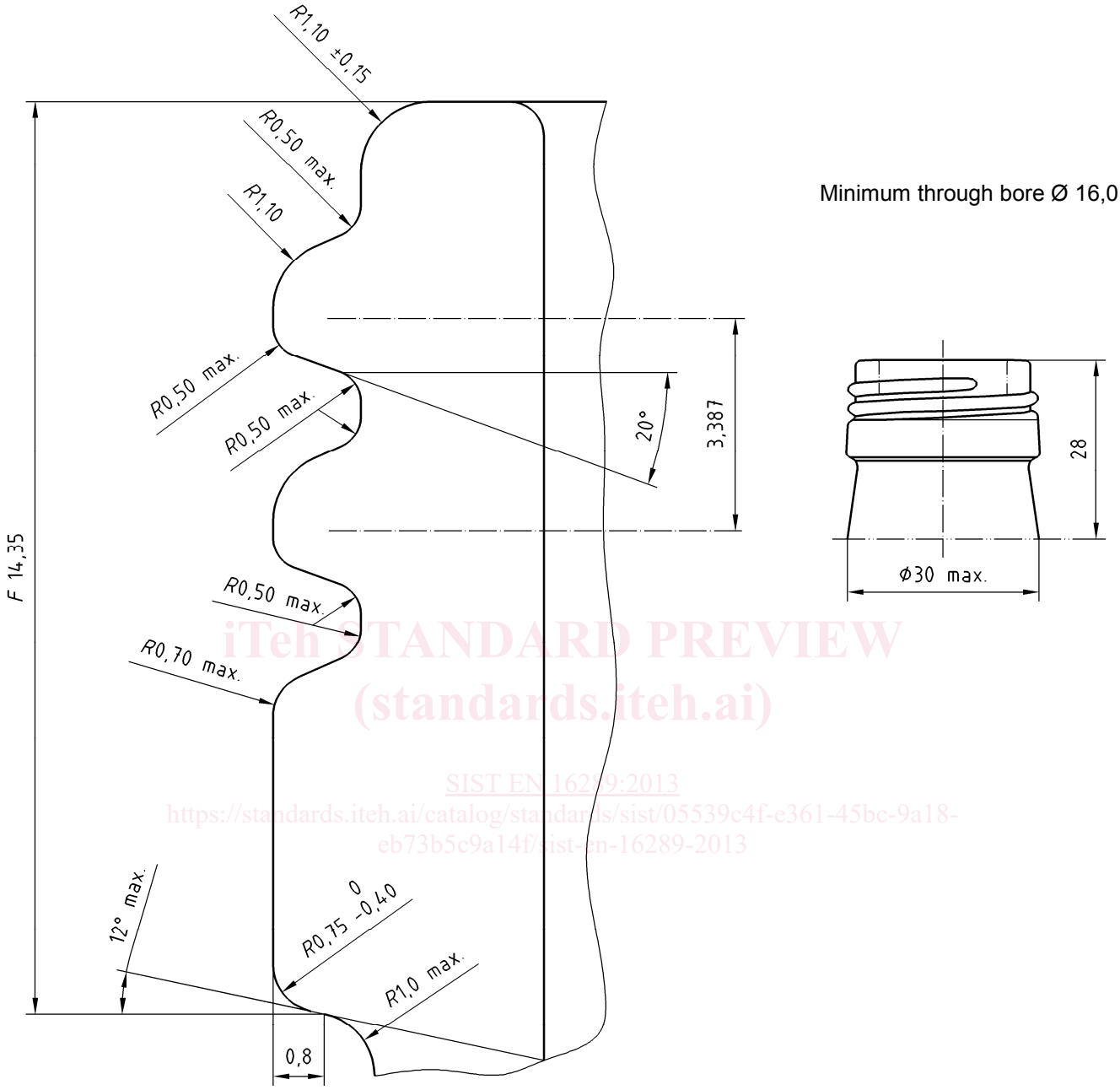


Figure 3 — Detail of the profile