SLOVENSKI STANDARD
oSIST prEN 16291-1:2011

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Steklena embalaža - Grla z navojem za steklenice pod tlakom - 1. del: Vračljiva steklena grla MCA 2

Glass packaging - Screw finishes for pressure capsules - Part 1: Returnable glass MCA 2 finish

Verpackungen aus Glas - Schraubmundstücke für Flaschen mit Innendruck - Teil 1: Mehrweg-MCA 2-Mundstück

Emballage en verre - Bagues à vis pour capsules à pression - Partie 1: Bague MCA 2 pour verre consigné

Ta slovenski standard je istoveten z: **prEN 16291-1**

ICS:

55.100	Steklenice. Lonci. Kozarci	Bottles. Pots. Jars

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English Version

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This document (prEN 16291-1:2011) 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.

This document dealing with screw finishes for pressure capsules constituted of 2 parts.

— Part 1 deals with screw finishes for pressure capsules for returnable glass.

— Part 2 deals with screw finishes for pressure capsules for one way glass.

Introduction

This document is based on CE.T.I.E. (International Technical Centre for Bottling and related Packaging) data sheet GME 320 [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 screw finish for glass containers designated MCA 2 for returnable glass.

2 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
3,175 mm	**2° 12'**	**8**	**12,5 mm**
β = Helix angle or angle or fixture to cutter			

NOTE 1 The Tan β of helix angle for cutter is calculated via the following formula:

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

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.

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

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

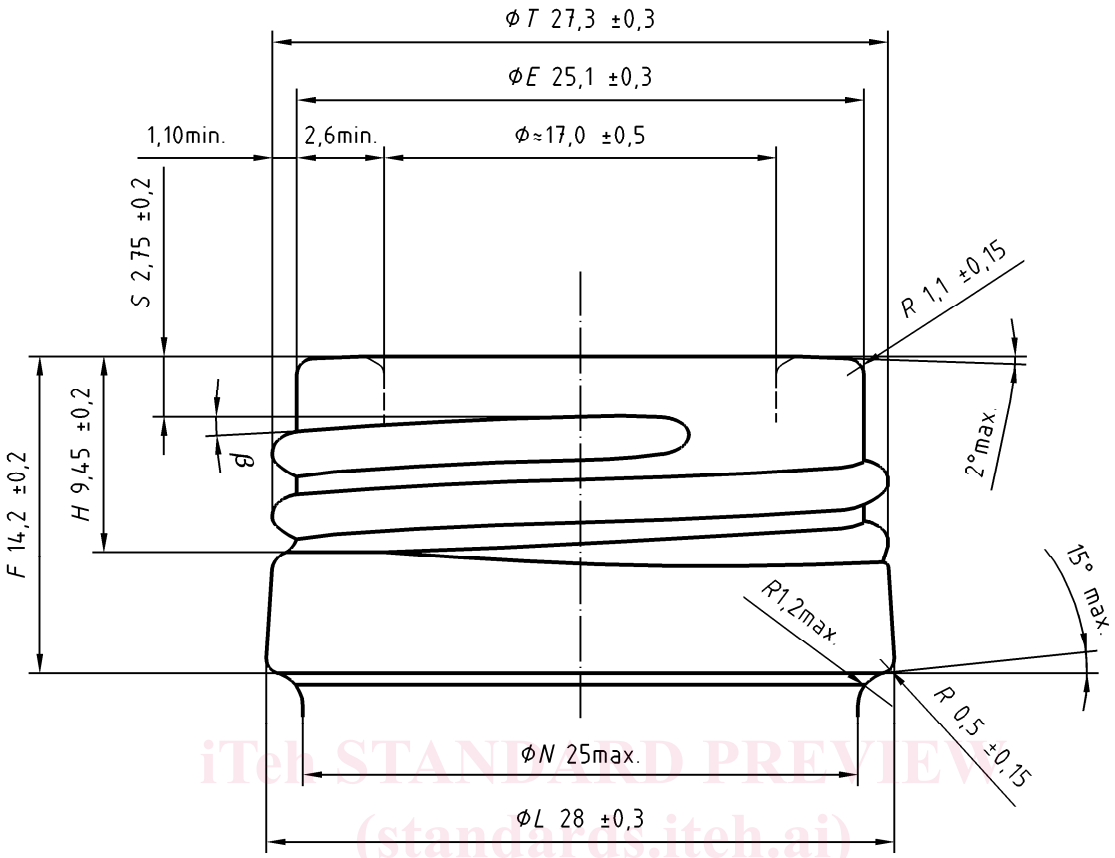
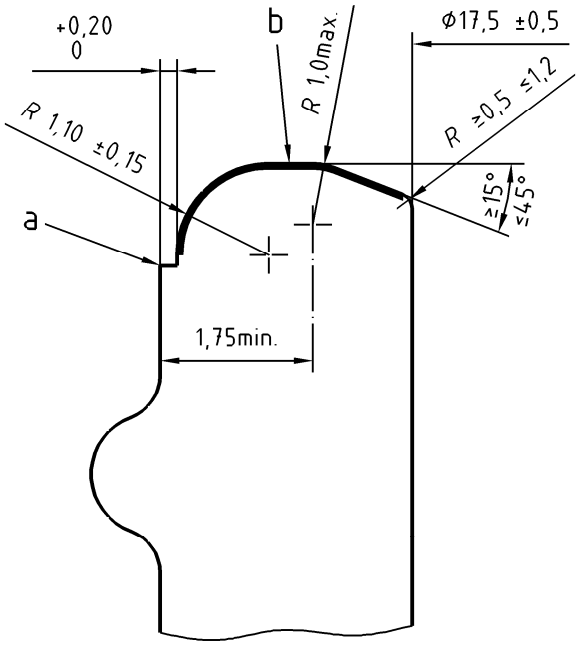


Figure 1



Key
a) Mould parting line
b) Sealing surface

Figure 2 — Possible alternative construction of the bore entrance to suit glass manufacturerKey

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

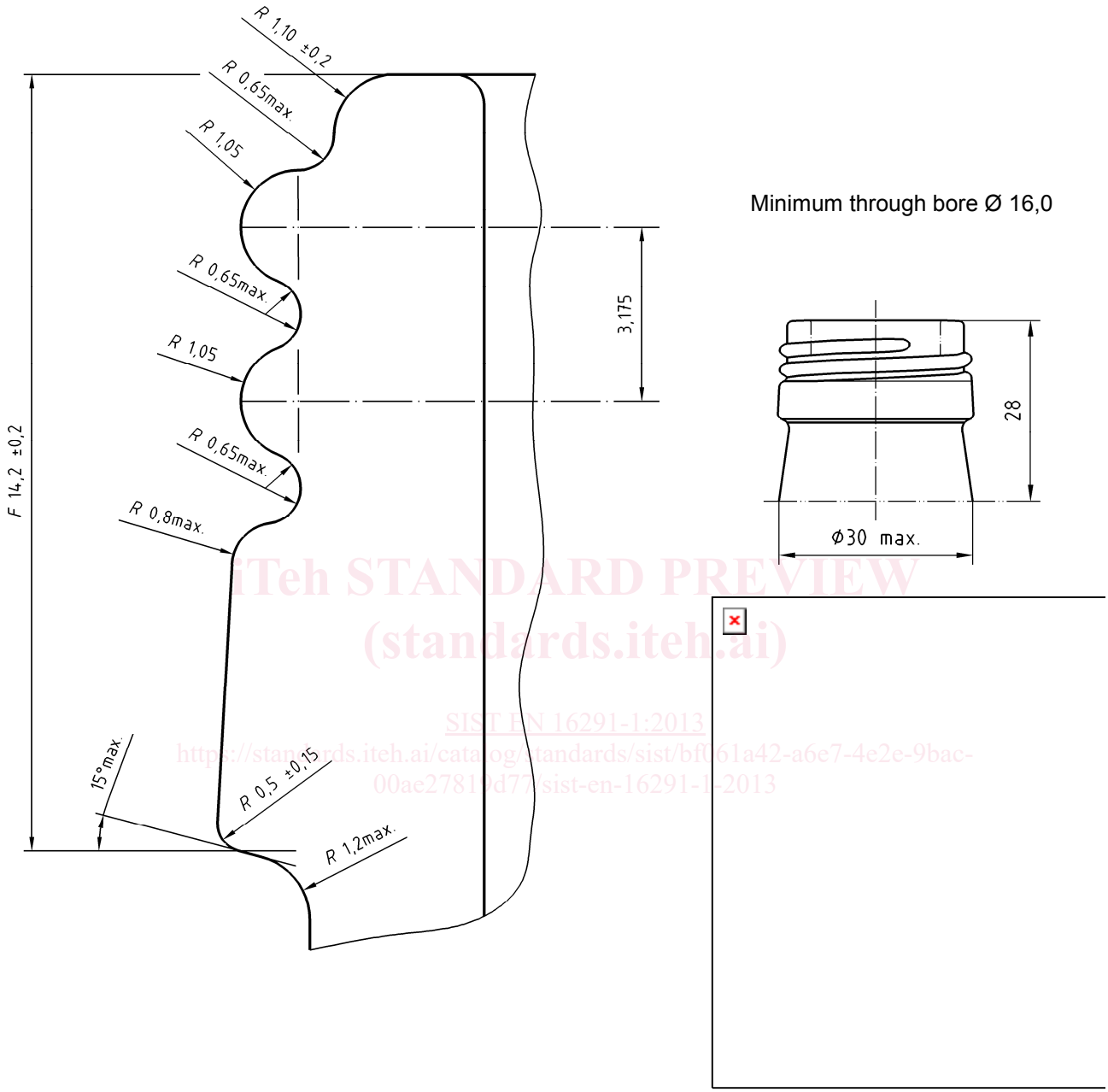


Figure 3 — Detail of the profile