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

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 16289:2013 sisaldab Euroopa standardi EN 16289:2013 ingliskeelset teksti.	This Estonian standard EVS-EN 16289:2013 consists of the English text of the European standard EN 16289:2013.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 06.03.2013.	Date of Availability of the European standard is 06.03.2013.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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English Version

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

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

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

This European Standard was approved by CEN on 12 January 2013.

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Foreword

This document (EN 16289:2013) 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of an identical text or by endorsement, at the latest by September 2013, and conflicting national standards shall be withdrawn at the latest by September 2013.

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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 32.02 [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 European Standard specifies the dimensions of the 28 mm finish for glass containers for pressurised or vacuum liquids designated MCA 7,5 RF.

2 Terms and definitions

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

2.1
MCA
(glass) finish designed for the closure of pressurised 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, 4 and 5.

Table 1 – Design and dimensions of the finish

Pitch	β	TPI	Ø cutter
3,387 mm	**2° 22'**	**7,5**	**12,5 mm**
β = Helix angle or angle or fixture to cutter NOTE TPI = Threads per Inch. One inch is equal to 25,4 mm.			

The Taṇ β of helix angle for cutter is calculated via the following formula:

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

where

T is the thread diameter;

E is the wall diameter of the threaded finish.

The average of the maximum and minimum of "L" diameter is as close as possible to "L" nominal.

The mean diameter $L \, \frac{\text{diameter max} + \text{diameter min}}{2}$ is in the tolerance of ± 0,2 mm.

Optional: depressed thread at mould parting line (see EN 16292).