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Glass packaging — 26 H 180 crown finish — Dimensions

Emballage en verre — Bague couronne 26 H 180 — Dimensions

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Contents

Page

Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 261, *Packaging*, in collaboration with ISO Technical Committee TC 63, *Glass containers*, in accordance with the agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 12821:2013), which has been technically revised.

The main changes compared to the previous edition are as follows:

— deletion of the sentence below Figure 1: "A controlled bore of 16,6 mm to 15,6 mm between 1,5 mm and 3,0 mm from the top is recommended for bottles which are to be resealed and sterilized";

— modification of footnotes to Figures 1, 4 and 5 and correction of Figure 5 for the reference line of the bore diameter indication;

— further details on the crimping edge ("P" point);

— deletion of reference to some Cetie documents;

— editorial corrections.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is based on Cetie (International Technical Center for Bottling and related Packaging) data sheet GME 13.01 (2007).

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.

Glass packaging — 26 H 180 crown finish — Dimensions

1 Scope

This document specifies the dimensions of the 26 mm tall crown finish for glass bottles containing beverages. The tall crown finish is designed to use a metal crown cap (see e.g. EN 17177).

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 9058, *Glass containers — Standard tolerances for bottles*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

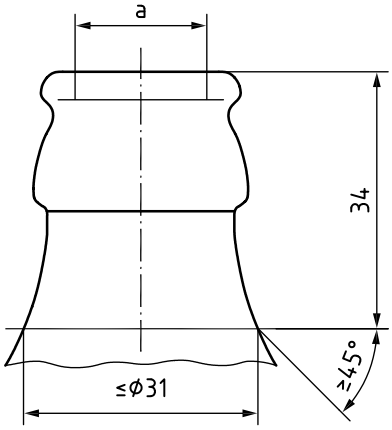
4 Dimensions

The design and dimensions of the finish shall be as shown in Figures 1, 2, 3, 4, and 5.

Details which are not specified shall be selected in accordance with the application.

The general tolerances shall be in accordance with ISO 9058.

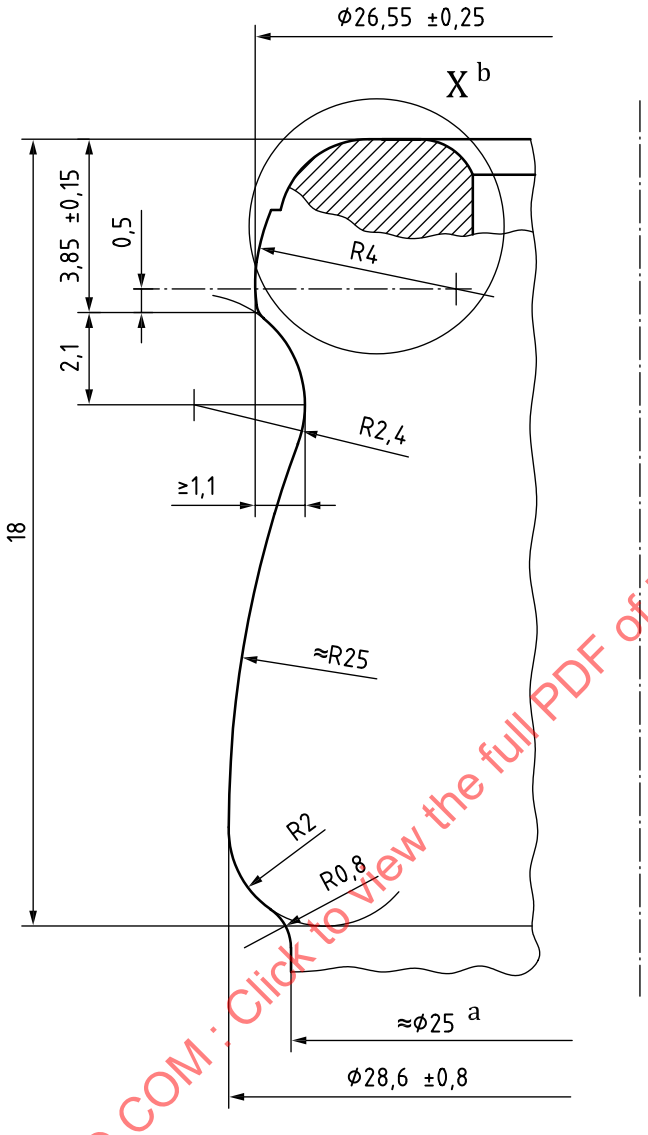
Dimensions in millimetres



a Ø between 18,0 mm max. and 16,5 mm min. measured at 3 mm max. down from the top, see key d in Figures 4 and 5. Minimum through Ø bore 15,5 mm.

Figure 1 — Shoulder and bore dimensions

Dimensions in millimetres

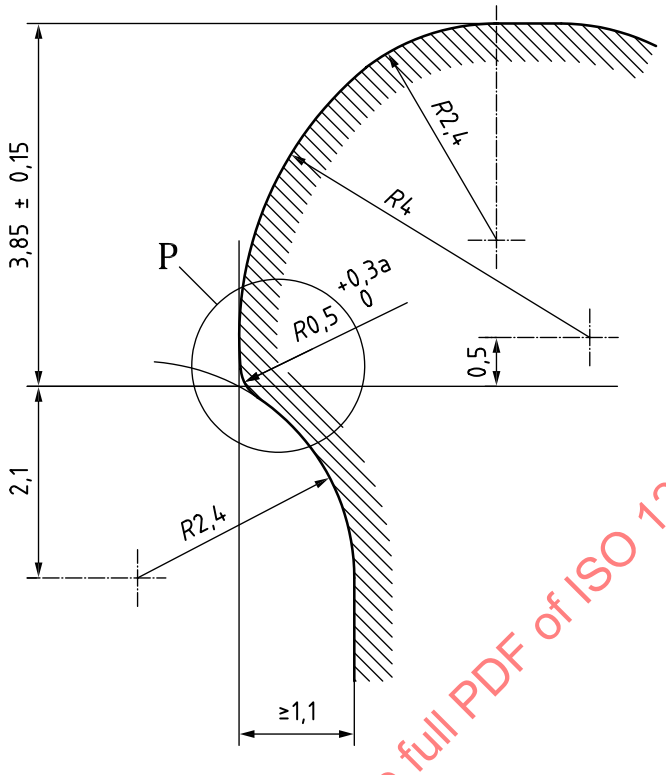


a Nominal diameter to suit glass manufacturer.

b Detail X: see Figures 4 and 5.

Figure 2 — Profile of the finish

Dimensions in millimetres

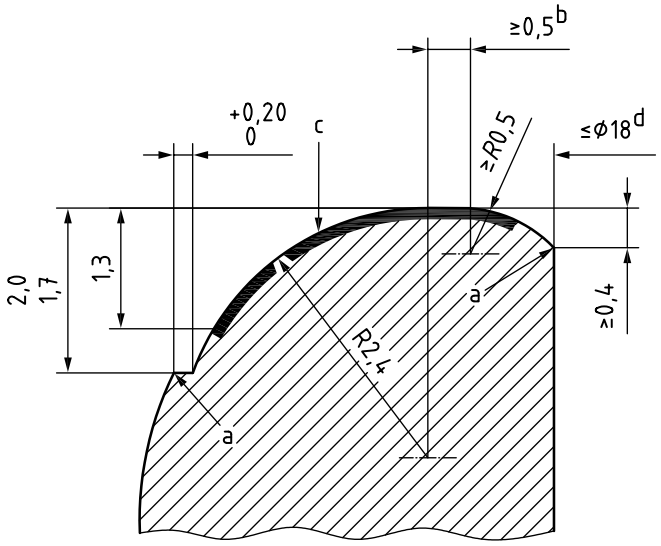


[a] For optimum performance, the radius should lie between 0,5 mm and 0,8 mm excluding the vertical mould joint and be as near as possible to 0,5 mm.

Figure 3 — Definition of the crimping edge ("P" point)

The detail P figures the dimensions relating to the contact zone between the finish and the corrugated skirt of the cap when crimped, known as the "P point".

Dimensions in millimetres



a Mould parting line.

b Flat.

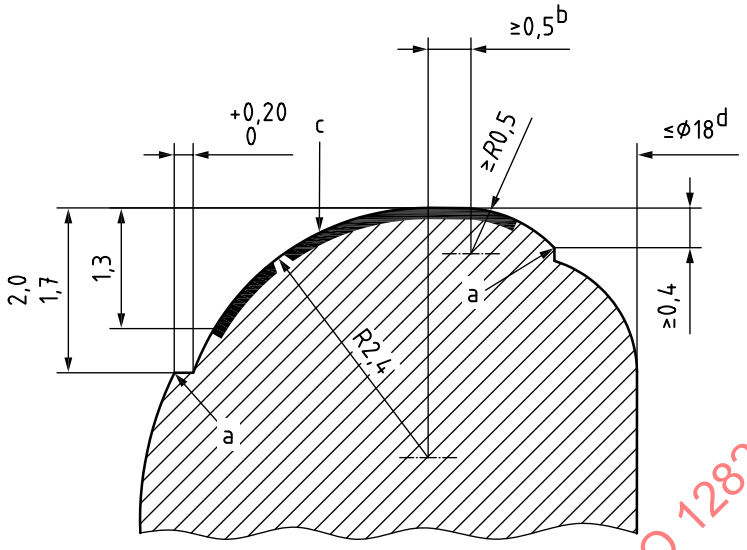
c Sealing surface.

d For a non-returnable ("one way") bottle, this diameter may be ≤18,5 mm, subject to written agreement — through the bottler — between the three involved parties (bottler, glass manufacturer, and crown cap manufacturer).

Figure 4 — Detail X — Sealing surface — Alternative 1

The contact between the crown cap liner compound and the internal mould parting line of the finish should be avoided. The sealing surface should be smooth and free of any defects.

Dimensions in millimetres



a Mould parting line.

b Flat.

c Sealing surface.

d For a non-returnable ("one way") bottle, this diameter may be ≤18,5 mm, subject to written agreement — through the bottler — between the three involved parties (bottler, glass manufacturer, and crown cap manufacturer).

Figure 5 — Detail X — Sealing surface — Alternative 2

The contact between the crown cap liner compound and the internal mould parting line of the glass finish should be avoided. The glass sealing surface should be smooth and free of any defects.