INTERNATIONAL STANDARD

**ISO 12821**

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# Glass packaging — 26 H 180 crown finish — Dimensions

*Emballage de verre — Bague couronne 26 H 180 — Dimensions*



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# Foreword

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The committee responsible for this document is ISO/TC This document was prepared by CEN/TC 261, *Packaging*, as EN 14634:2010 and was adopted, under a special "fast-track procedure", by ISO/TC 63, *Glass containers*, in parallel with its approval by the ISO member bodies.

# Introduction

This International Standard is based on CE. T.I.E. (International Technical Centre for Bottling and Related Packaging) data sheet GME 13.01 Revision 1 (2007).[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.

# Glass packaging — 26 H 180 crown finish — Dimensions

## 1 Scope

This International Standard 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 closure (see CE. T.I.E. data sheet EC 01-02 Revision 1[2]).

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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*

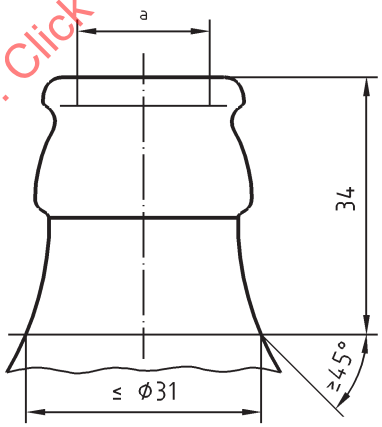
## 3 Dimensions

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.

For general tolerances, see ISO 9058.

Dimensions in millimetres




**Key**

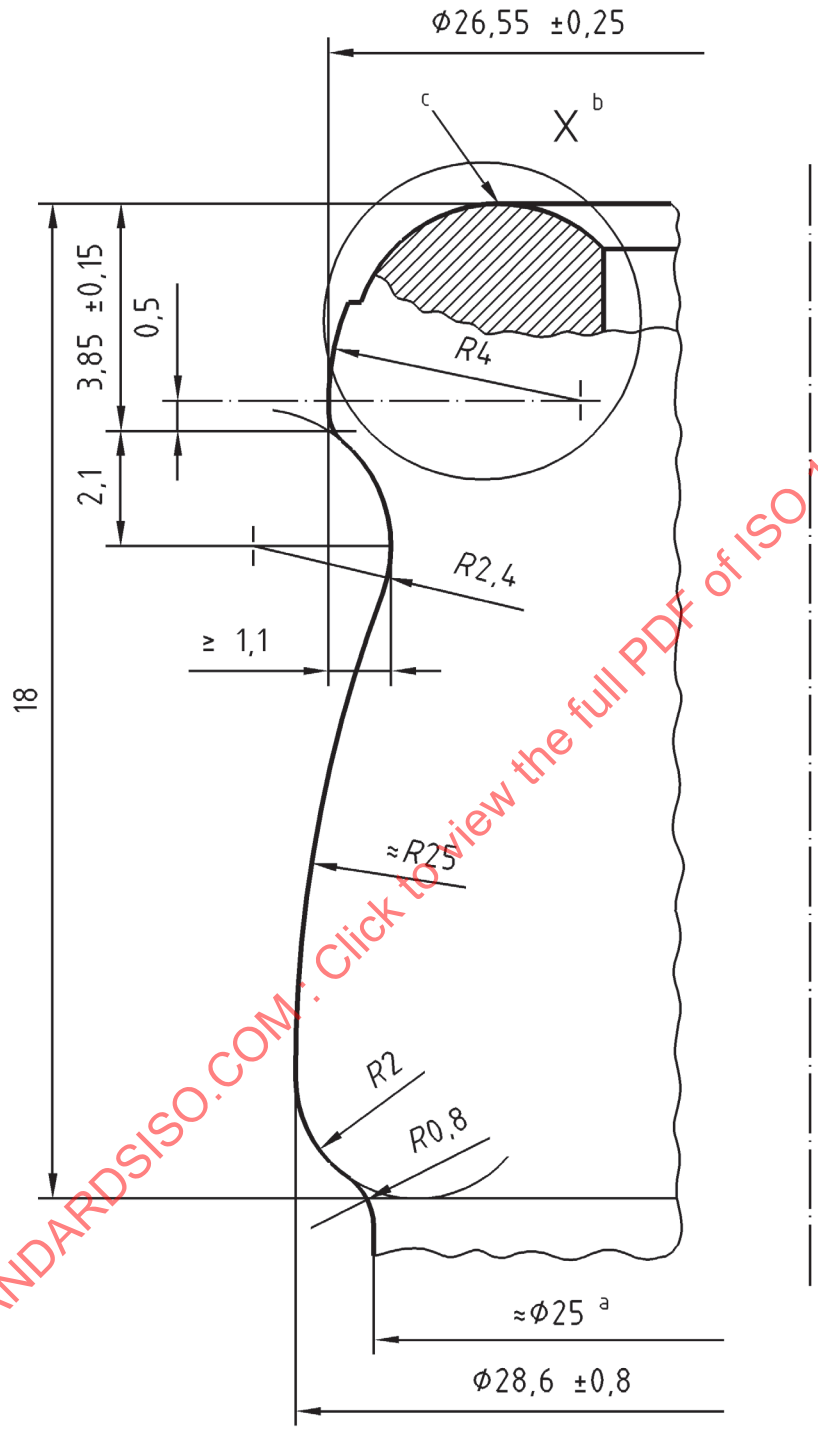
a Ø between 18,0 mm max. and 16,5 mm min. measured at 3 mm max. down from the top

NOTE Minimum through Ø bore 15,5 mm.

**Figure 1 — Shoulder and bore dimensions**

A controlled bore of 16,6 mm to 15,6 mm measured between 1,5 mm and 3,0 mm from the top is recommended for bottles which are to be resealed and sterilized.

Dimensions in millimetres






**Key**

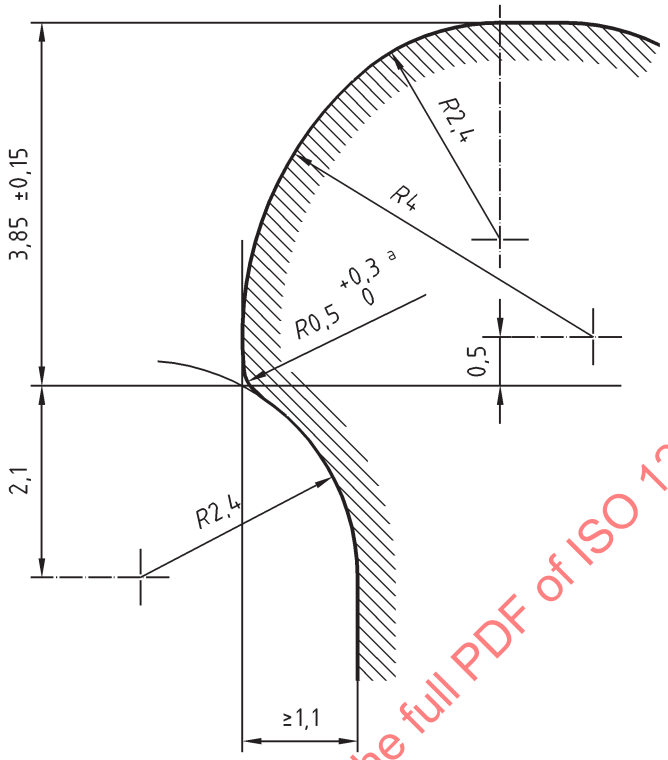
a Nominal diameter to suit glass manufacturer

b Detail X: see Figures 4 and 5

c Top of the finish

**Figure 2 — Profile of the finish**

Dimensions in millimetres

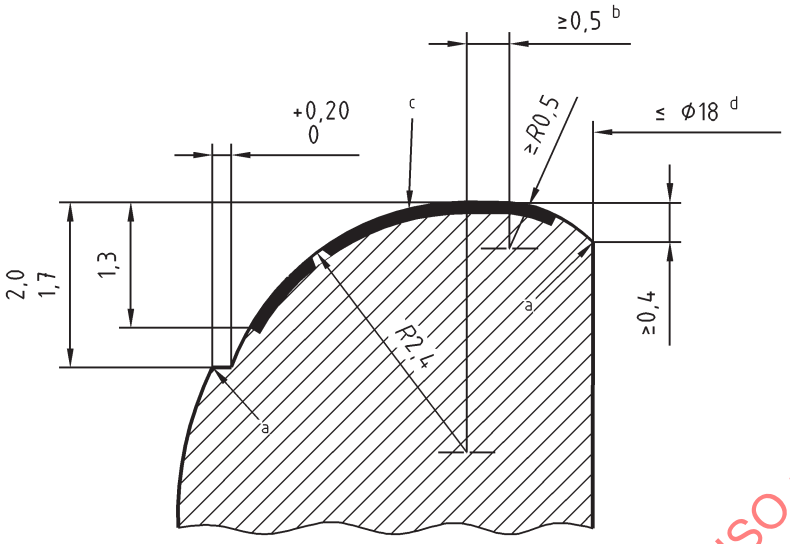



**Key**

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 — Point "P"**

Dimensions in millimetres




**Key**

a Mould parting line of glass finish

b Flat

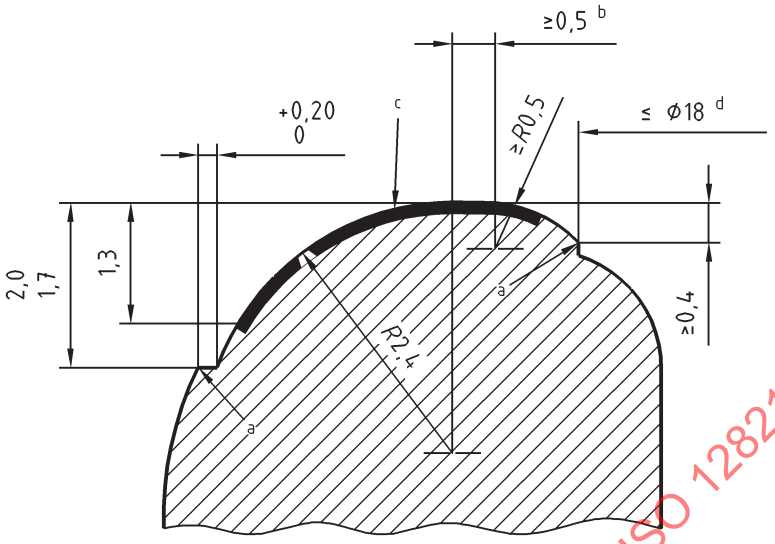
c Glass sealing surface

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

**Figure 4 — Detail X — Glass sealing surface — Alternative 1**

The contact between the crown cork liner compound and the internal mould parting line of the glass finish should be avoided (see CE. T.I.E. data sheets EC 01-02 Revision 1[2] and EC 01-021[3]). The glass sealing surface should be smooth and free of any defects.

Dimensions in millimetres




**Key**

a Mould parting line of glass finish

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c Glass sealing surface

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

**Figure 5 — Detail X — Glass sealing surface — Alternative 2**

The contact between the crown cork liner compound and the internal mould parting line of the glass finish should be avoided (see CETIE. data sheets EC 01-02 Revision 1[2] and EC 01-021[3]). The glass sealing surface should be smooth and free of any defects.