



NSAI
Standards

Irish Standard
I.S. EN ISO 12821:2019

Glass packaging - 26 H 180 crown finish - Dimensions (ISO 12821:2019)

I.S. EN ISO 12821:2019

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

I.S. EN ISO 12821:2019 is the adopted Irish version of the European Document EN ISO 12821:2019, Glass packaging - 26 H 180 crown finish - Dimensions (ISO 12821:2019)

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EUROPEAN STANDARD

EN ISO 12821

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2019

ICS 55.100

Supersedes EN ISO 12821:2015

English Version

Glass packaging - 26 H 180 crown finish - Dimensions (ISO 12821:2019)

Emballage en verre - Bague couronne 26 H 180 -
Dimensions (ISO 12821:2019)

Verpackungen aus Glas - Kronenmundstück 26 H 180 -
Maße (ISO 12821:2019)

This European Standard was approved by CEN on 20 July 2019.

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European foreword

This document (EN ISO 12821:2019) has been prepared by Technical Committee ISO/TC 63 "Glass containers" in collaboration with 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of an identical text or by endorsement, at the latest by April 2020, and conflicting national standards shall be withdrawn at the latest by April 2020.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 12821:2015.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 12821:2019 has been approved by CEN as EN ISO 12821:2019 without any modification.

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**INTERNATIONAL
STANDARD**

**ISO
12821**

Second edition
2019-10

**Glass packaging — 26 H 180 crown
finish — Dimensions**

Emballage en verre — Bague couronne 26 H 180 — Dimensions



Reference number
ISO 12821:2019(E)

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ISO 12821:2019(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

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 Cete 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/>

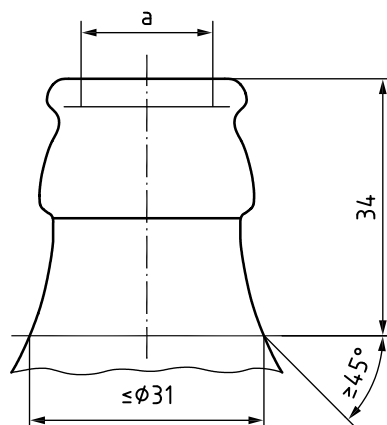
4 Dimensions

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 \varnothing 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 \varnothing bore 15,5 mm.

Figure 1 — Shoulder and bore dimensions

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