

INTERNATIONAL STANDARD

**ISO
9057**

First edition
1991-12-15

Glass containers — 28 mm tamper-evident finish for pressurized liquids — Dimensions

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*Réipients en verre — Bague inviolable de diamètre 28 mm pour liquides
sous pression — Dimensions*

ISO 9057:1991

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INTERNATIONAL

ISO



Reference number
ISO 9057:1991(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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 9057 was prepared by Technical Committee ISO/TC 63, *Glass containers*, Sub-Committee SC 3, *Dimensions*.

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Glass containers — 28 mm tamper-evident finish for pressurized liquids — Dimensions

1 Scope

This International Standard specifies the dimensions of the 28 mm tamper-evident finish of glass containers for pressurized liquids.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 7348:1991, *Glass containers — Manufacture — Vocabulary*.

3 Definitions

For the purposes of this International Standard, the definitions given in ISO 7348 apply, with the following exception.

3.1 tamper-evident finish: Finish designed to take a tamper-evident closure which needs to be snapped before it can be opened.

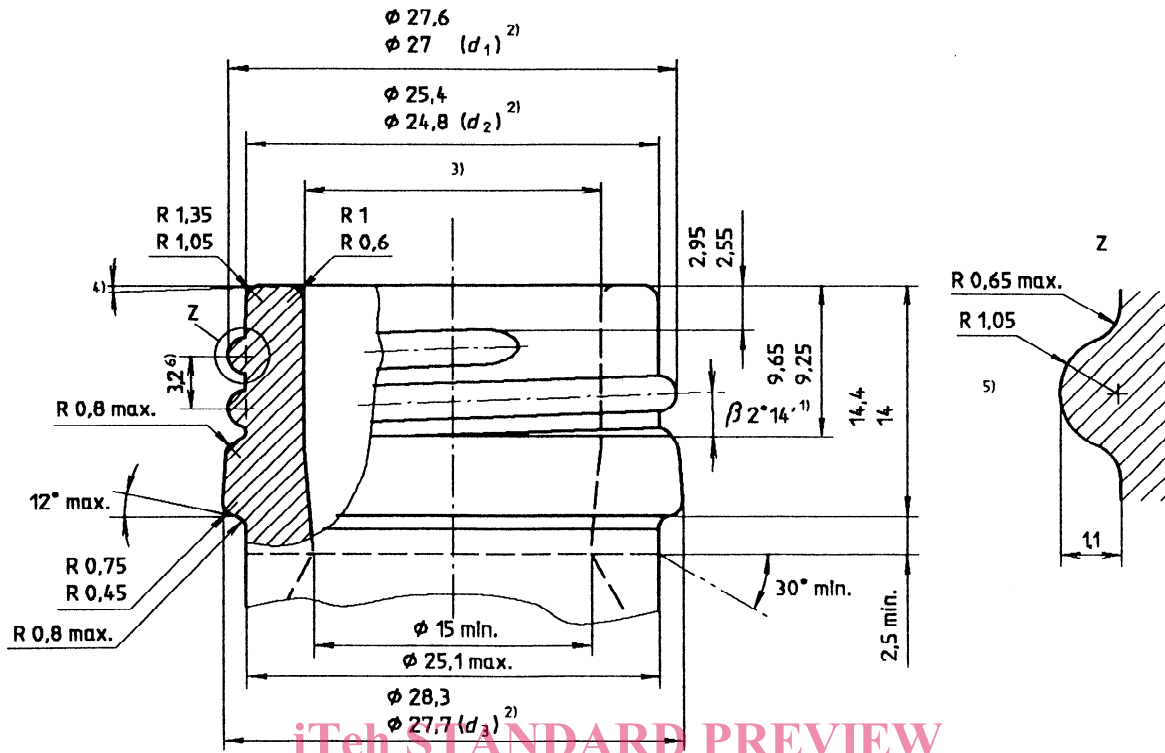
4 Dimensions

The dimensions shall be in accordance with figure 1. All untoleranced dimensions are nominal.

The glass thickness throughout the full depth of the finish shall be adequate to withstand normal handling. The finish shall be free from cracks likely to have an adverse effect on sealing performance.

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1) β is the helix angle, or the angle of cutter index:

$$\tan \beta = \frac{P}{\bar{D}}$$

where

$$\bar{D} = \frac{\bar{d}_1 + \bar{d}_2}{2}$$

P is the pitch.

2) For best sealing results, the finish should be round and all diameters should be as close as possible to the nominal dimensions. The mean of d_3 max. and d_3 min. should be as close as possible to d_3 nom.

3) Entrance bore equal to $18,1 \text{ mm} \pm 1 \text{ mm}$ over the depth from 1,5 mm from the top to 3 mm from the top.

4) 2° max.

5) Cutter diameter equal to 12,5 mm.

6) For purposes of conversion, a pitch of 8 threads per inch is equal to 3,175 mm.

Figure 1

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Descriptors: containers, glass packaging, bottles, closing devices, blanking rings, dimensions.

Price based on 2 pages
