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**PLUG/BUNG CLOSURE SYSTEMS FOR  
PLASTICS CONTAINERS WITH A NOMINAL  
CAPACITY OF 20 L TO 225 L**

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EUROPEAN STANDARD

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English version

## Plug/bung closure systems for plastics containers with a nominal capacity of 20 l to 225 l

Systèmes de fermeture pour récipients en matières plastiques à boudes d'une capacité nominale de 20 l à 225 l

Verschlusssysteme für Kunststoff-Spundbehälter mit einem Nennvolumen von 20 l bis 225 l

This European Standard was approved by CEN on 6 November 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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## Foreword

This European Standard 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of an identical text or by endorsement, at the latest by July 2000, and conflicting national standards shall be withdrawn at the latest by July 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This standard is one of a series of standards on plastics drums of 20 l to 225 l and closures.

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 package.

It is recommended that where containers are to be exported to the USA, the bung closure systems should follow those generally adopted by American drum manufacturers.

## 1. Scope

This European Standard specifies the characteristics and dimensions of plug/bung closure systems, i.e. for internally threaded plastics containers with a nominal capacity of 20 l to 225 l.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO 228-1, Pipe threads where pressure-tight joints are not made on the threads — Part 1: Dimensions, tolerances and designation.

## 3. Terms and definitions

For the purposes of this standard, the following terms and definitions apply.

### 3.1

#### **plug/bung closure system (BCS)**

system of one or more components which enables an internally threaded container to be filled or emptied and then secured to provide a leakproof seal for subsequent transport or storage (see Figures 1 and 2)

### 3.2

#### **plug/bung**

device, provided with an external thread, which closes an opening in a container

### 3.3

#### **plug/bung housing or neck**

that part of the container designed to receive the plug/bung

### 3.4

#### **gasket (washer)**

component which, under compression, facilitates a leakproof seal between the plug/bung and plug/bung housing.

### 3.5

#### **gasket sealing faces**

those areas of the plug/bung or plug/bung housing designed to contact the gasket and make the seal

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