



National Standards Authority of Ireland

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**SCREW CAP CLOSURE SYSTEMS FOR
PLASTICS CONTAINERS WITH A NOMINAL
CAPACITY OF 20 L TO 60 L**

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EUROPEAN STANDARD

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English version

Screw cap closure systems for plastics containers with a nominal capacity of 20 l to 60 l

Fermetures à bouchon coiffant pour récipients en matières plastiques d'une capacité nominale de 20 l à 60 l

Schraubkappenverschlußsysteme für Kunststoffbehälter mit einem Nennvolumen von 20 l bis 60 l

This European Standard was approved by CEN on 26 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.



EUROPEAN COMMITTEE FOR STANDARDIZATION
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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of an identical text or by endorsement, at the latest by July 2000, and conflicting national standards shall be withdrawn at the latest by July 2000.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.

1. Scope

This European Standard specifies the characteristics and dimensions of screw cap closure systems, for externally threaded plastics containers with a nominal capacity of 20 l to 60 l.

2. Terms and definitions

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

2.1

screw cap closure system (CCS)

system of one or more components which enables an externally threaded container to be filled or emptied and then secured to provide a leakproof seal for subsequent transport or storage

NOTE Different examples are shown in Figure 1.

2.2

screw cap

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

2.3

neck

that part of the container designed to receive the screw cap

2.4

gasket (washer) or screw cap insert

component which, under compression, facilitates a leakproof seal between the cap and the neck housing

2.5

gasket sealing faces

those areas of the screw cap or neck designed to contact the gasket and make the seal

2.6

overcap/tamper evident rings

cap or fitting attached to the cap which incorporates a facility for providing evidence of tampering

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