Packaging - Plastics drums - Part 3: Plug bung closure systems for plastics drums with a nominal capacity of 113,6 l to 220 l (ISO 20848-3:2018)

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 20848-3:2018 sisaldab Euroopa standardi EN ISO 20848-3:2018 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 20848-3:2018 consists of the English text of the European standard EN ISO 20848-3:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 19.12.2018.	Date of Availability of the European standard is 19.12.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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EUROPEAN STANDARD

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English Version

Packaging - Plastics drums - Part 3: Plug bung closure systems for plastics drums with a nominal capacity of 113,6 l to 220 l (ISO 20848-3:2018)

Emballages - Fûts en matière plastique - Partie 3: Systèmes de fermeture à bondes pour fûts en matière plastique d'une capacité nominale de 113,6 l à 220 l (ISO 20848-3:2018)

Verpackung - Kunststofffässer - Teil 3: Verschlusssysteme für Kunststoff-Spundfässer mit einem Nennvolumen von 113,6 l bis 220 l (ISO 20848-3:2018)

This European Standard was approved by CEN on 2 December 2018.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

This document (EN ISO 20848-3:2018) has been prepared by Technical Committee ISO/TC 122 "Packaging" 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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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 20848-3:2008.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 20848-3:2018 has been approved by CEN as EN ISO 20848-3:2018 without any modification.

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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 Technical Committee ISO/TC 122, *Packaging.*

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.

This second edition cancels and replaces the first edition (ISO 20848-3:2006), which has been technically revised. The main changes compared to the previous edition are as follows:

— deletion of plug/bung closure system BCS 24 × 4;

— addition of a variation of capseals;

— deletion of figure for material type "Others";

— editorial changes.

A list of all parts in the ISO 20848 series can be found on the ISO website.

Introduction

Throughout the world, a large number of plastics drum types with different dimensions and characteristics are being used. The differences in types of closures can result in differences in filling and handling.

This document specifies the characteristics and dimensions of closures for plastics drums which are of importance for the worldwide safe handling and transport of substances and for the continued reuse of the drums during their life cycle. Detailed performance requirements and the related test methods are not included as they depend on the specific application.

Where the drums are intended to be used for the transport of dangerous goods, attention is drawn to the regulatory requirements which govern the transport of those goods in the countries concerned, including capseals/overseals fitted in accordance with the certificate. Depending on the mode of transport, this means meeting the requirements of:

— **UN** (United Nations) — Recommendations on the Transport of Dangerous Goods;

— **ICAO** (International Civil Aviation Organization) — Technical Instructions for the Safe Transport of Dangerous Goods by Air; and

— **IMO** (International Maritime Organization) — International Maritime Dangerous Goods (IMDG) Code.

This involves the certification and marking of the drums according to the regulations.

Packaging — Plastics drums —

Part 3: Plug bung closure systems for plastics drums with a nominal capacity of 113,6 l to 220 l

1 Scope

This document specifies the characteristics and dimensions of plug/bung closure systems for internally threaded openings in plastics drums of nominal capacity 113,6 l to 220 l.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

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

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/

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

Note 1 to entry: See Figures A.1 to F.2.

3.2
plug/bung
device, provided with an external thread, which closes an opening in a drum

3.3
plug/bung housing
neck
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* (3.2) and *plug/bung housing* (3.3)

3.5
gasket sealing faces
areas of the *plug/bung* (3.2) or *plug/bung housing* (3.3) designed to be in contact with the *gasket* (3.4) and make the seal