BS EN 13071-1:2019



BSI Standards Publication

Stationary waste containers up to 5 000 l, top lifted and bottom emptied

Part 1: General requirements

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National foreword

This British Standard is the UK implementation of EN 13071-1:2019. It supersedes BS EN 13071-1:2008, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/508/1, Waste containers and associated lifting devices on refuse collection vehicles.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Stationary waste containers up to 5 000 l, top lifted and bottom emptied - Part 1: General requirements

Conteneurs fixes à déchets de capacité inférieure ou égale à 5 000 l, levés par le haut et vidés par le bas - Partie 1 : Exigences générales

Stationäre Abfallsammelbehälter bis 5 000 l, mit Behälteraufnahme an der Oberseite und Bodenentleerung - Teil 1: Allgemeine Anforderungen

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European foreword

This document (EN 13071-1:2019) has been prepared by Technical Committee CEN/TC 183 “Waste management”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by January 2020, and conflicting national standards shall be withdrawn at the latest by January 2020.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 13071-1:2008.

The main changes compared to the previous edition are listed below:

a) addition of an introduction;

b) addition of terminological entries for "container" (3.1), "flexible container" (3.17) and "mechatronics" (3.18), while former entries for "type A-container" (3.15) and "type B-container" were deleted;

c) addition of a new sub clause 4.1 "Recommendations" for installation, maintenance and cleaning of a container;

d) alignment of the scope according to 4.1;

e) splitting up requirements for design of containers (4.2) and filling apertures (4.3) and addition of further requirements for filling apertures depending on their height;

f) inclusion of a requirement in 4.6 that the lifting connection shall be positioned so that it can be lifted from any direction;

g) addition of indications in clause 6 on which test methods apply to flexible containers.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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.

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Introduction

According to the European health and safety requirements, work equipment are designed and constructed so that it can be operated without putting persons at risk. The manufacturer has to consider the intended conditions of use, but also any reasonably foreseeable misuse.

For that purpose the manufacturer carries out a risk analysis in order to determine the hazards which the operators and users are exposed to. The equipment will then be designed and constructed taking into account the results of this assessment, by an iterative process of risk assessment and risk reduction.

As specified in the guidance document "Classification of equipment used for lifting loads with lifting machinery" (Machinery Working Group — January 2012), containers used for collecting and lifting bulk material are not covered by Directive 2006/42/EC [1].

However, a large number of the hazards which the operators using such equipment and the persons present in the vicinity of lifting/handling operations are exposed to are the same as those resulting from the use of lifting appliances proper.

These are the reasons why CEN/TC 183 decided to include into this standard requirements intended to support the corresponding essential health and safety requirements of Directive 2006/42/EC [1], in particular those related to lifting operations (part 4 of Annex I).

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1 Scope

This document specifies requirements of stationary containers, top lifted and bottom emptied, used for collection of solid non-hazardous wastes, with capacity up to 5 000 l.

This document specifies general characteristics of such containers and their accessories, test methods and safety requirements as well as recommendations for installation, maintenance and cleaning operations.

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.

EN 10346, *Continuously hot-dip coated steel flat products for cold forming — Technical delivery conditions*

EN 22248, *Packaging — Complete, filled transport packages — Vertical impact test by dropping (ISO 2248)*

EN ISO 105-B01, *Textiles — Tests for colour fastness — Part B01: Colour fastness to light: Daylight (ISO 105-B01)*

EN ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods (ISO 1461)*

EN ISO 2081, *Metallic and other inorganic coatings — Electroplated coatings of zinc with supplementary treatments on iron or steel (ISO 2081)*

EN ISO 2244, *Packaging — Complete, filled transport packages and unit loads — Horizontal impact tests (ISO 2244)*

EN ISO 4892-2, *Plastics — Methods of exposure to laboratory light sources — Par0 2: Xenon-arc lamps (ISO 4892-2)*

ISO 48-2, *Rubber, vulcanized or thermoplastic — Determination of hardness — Part 2: Hardness between 10 IRHD and 100 IRHD*

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