

**Mobile waste and recycling containers - Part 6: Safety
and health requirements**

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NATIONAL FOREWORD

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English Version

Mobile waste and recycling containers - Part 6: Safety and health requirements

Conteneurs roulants à ordures ménagères et recyclables -
Partie 6 : Exigences d'hygiène et de sécurité

Fahrbare Abfall- und Wertstoffbehälter - Teil 6: Sicherheits-
und Gesundheitsschutzanforderungen

This European Standard was approved by CEN on 23 September 2012.

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Foreword

This document (EN 840-6:2012) 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of an identical text or by endorsement, at the latest by June 2013, and conflicting national standards shall be withdrawn at the latest by June 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 840-6:2004+A1:2008.

Technical changes since the latest edition:

- The content was adapted to the current state of the art and revised editorially.
- Entry 4.3 and Figure 3 about handles have been added.

This European Standard is one part of the series of standards of EN 840 with the main title *Mobile waste and recycling containers* comprising the following parts:

- *Part 1: Containers with 2 wheels with a capacity up to 400 l for comb lifting devices — Dimensions and design;*
- *Part 2: Containers with 4 wheels with a capacity up to 1 300 l with flat lid(s), for trunnion and/or comb lifting devices — Dimensions and design;*
- *Part 3: Containers with 4 wheels with a capacity up to 1 300 l with dome lid(s), for trunnion and/or comb lifting devices — Dimensions and design;*
- *Part 4: Containers with 4 wheels with a capacity up to 1 700 l with flat lid(s), for wide trunnion or BG-and/or wide comb lifting devices — Dimensions and design;*
- *Part 5: Performance requirements and test methods;*
- *Part 6: Safety and health requirements (the present document).*

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard provides the essential safety, health and ergonomic requirements for mobile waste and recycling containers according to EN 840-1 to EN 840-4, not including hazardous wastes containers.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 840-5:2012, *Mobile waste and recycling containers — Part 5: Performance requirements and test methods*

3 General requirements of construction

3.1 The container shall be constructed so that when it is unloaded or loaded with a nominal mass, it has a secure fit on an approved compatible lifting device and shall be automatically locked safely into the lifting device during the tilting and emptying operation.

3.2 The container shall be safely fitted to the lifting device of the vehicle without being carried or lifted manually.

3.3 Wheeled containers shall be constructed so that, under test conditions according to EN 840-5, the pushing and pulling forces to keep the container moving shall not exceed the values given in EN 840-5:2012, 4.9. Pushing and pulling forces shall be declared in the instructions for use (see Clause 11).

3.4 During construction of containers the following factors influencing measurable handling force shall be optimised:

- design of container as regards to form, size and position of centre of gravity in relation to positioning of wheels and handles;
- even distribution of loads on wheels;
- low rolling resistance.

4 Handles

4.1 Two wheeled containers shall have handles for pulling, pushing and manoeuvring the container that enable the operator to grip safely with two hands.

Four wheeled containers shall have handles for pushing, pulling, manoeuvring and lifting the container. Injuries caused by sharp edges shall be avoided.

4.2 Handles for pulling, pushing and manoeuvring the container shall have one of the external forms as shown in Figure 1 (based on the external form of Figure 1 ring form section and U-shaped form section are permitted). A minimum length of 120 mm and a minimum clearance of 36 mm around the handle is required (see Figure 2).

4.3 Handles for pulling, pushing and manoeuvring the container shall be positioned at a height of (900^{+400}_{-25}) mm (measured in the middle of the handle) above the ground. On two wheeled containers, for containers with a volume ≥ 140 l, these handles shall have a minimum height of 800 mm in a tilted position