

Australian Standard[®]

Mobile waste containers

**Part 1: Containers with two wheels and
a capacity up to 400 L for lifting
devices—Dimensions and design**



This Australian Standard® was prepared by Committee PL-047, Mobile Waste Containers. It was approved on behalf of the Council of Standards Australia on 25 May 2008. This Standard was published on 30 June 2008.

The following are represented on Committee PL-047:

- Department of Environment and Climate Change, NSW
 - Plastics and Chemicals Industries Association
 - Sustainability Victoria
 - Victorian Waste Management Association
 - Waste Contractors and Recyclers Association of NSW
 - Waste Management Association of Australia
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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Part 1: Containers with two wheels and a capacity up to 400 L for lifting devices—Dimensions and design

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PREFACE

This Standard was prepared by Committee PL-047, Mobile Waste Containers.

The objective of this Standard is to provide manufacturers, designers and regulatory authorities with uniform minimum requirements in the design, safety and performance of mobile waste containers.

This Standard is part of a series of Standards on mobile waste containers which when complete will consist of the following:

AS

- 4123 Mobile waste containers
- 4123.1 Part 1: Containers with two wheels with a capacity up to 400 L for lifting devices—Dimensions and design (this Standard)
- 4123.2 Part 2: Containers with four wheels with a capacity from 500 L to 1200 L with flat lid(s), for trunnion and/or lifting devices—Dimensions and design
- 4123.3 Part 3: Containers with four wheels with a capacity from 770 L to 1300 L with dome lid(s), for trunnion and/or lifting devices—Dimensions and design
- 4123.4 Part 4: Containers with four wheels with a capacity from 750 L to 1700 L with flat lid(s), for wide trunnion or BG and/or wide comb lifting devices—Dimensions and design
- 4123.5 Part 5: Performance requirements and test methods
- 4123.6 Part 6: Health, safety and environment
- 4123.7 Part 7: Colours, markings and designation requirements

No consideration was given to lifting systems other than those specified.

This Standard should not be regarded as a design specification or as an instruction manual.

In the preparation of this Standard, consideration has been given to—

- (a) continuity of satisfactory operation;
- (b) the prevention of injury to persons or property;
- (c) encouraging the use of recycled material in the manufacture;
- (d) consistency of colours for mobile waste containers; and
- (e) relevant international Standards.

The terms ‘normative’ and ‘informative’ are used to define the application of the appendix to which they apply. A normative appendix is an integral part of a Standard, whereas an informative appendix is only for information and guidance.

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STANDARDS AUSTRALIA**Australian Standard
Mobile waste containers****Part 1: Containers with two wheels and a capacity up to 400 L for lifting devices—Dimensions and design****1 SCOPE**

This Standard specifies dimensions and design requirements for mobile waste containers with two wheels, with a nominal capacity up to 400 L.

2 REFERENCED DOCUMENTS

The following documents are referenced in this Standard.

AS

- 4123 Mobile waste containers
- 4123.5 Part 5: Performance requirements and test methods
- 4123.6 Part 6: Health, safety and environment
- 4123.7 Part 7: Colours, markings and designation requirements

BS EN

- 1501 Refuse collection vehicles and their associated lifting devices. General requirements and safety requirements.
- 1501.1 Part 1: Rear-end loaded refuse collection vehicles

3 DEFINITIONS

For the purposes of this Standard, the definitions below apply.

NOTE: Terms for components of mobile waste containers and lifting devices including illustrations are given in Appendix A of this Standard.

3.1 Capacity

The nominal volume stated in accordance to Table 1.

NOTE: The nominal volume is stated without the tolerances.

3.2 Functional and safety dimensions

Essential dimensions which ensure the functionality and interchangeability of the container with the compatible lifting device and which are necessary for the operator's safety and health.

3.3 Lifting device

A device that picks up, locates, aligns, securely locks, tilts, empties a waste container into the hopper and returns it back on the ground.

3.4 Lifting device—clamp

A device that utilizes a set of jaws (in which belts or other friction devices may be deployed) to pick up and retain the container during emptying.

NOTE: The jaw may or may not be overlapping.