

AS 4123.1:2024



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Australia



# Mobile waste and recycling containers

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



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The following are represented on Committee PL-047:

- Australian Industry Group
- Victorian Waste Management Association
- Waste Contractors and Recyclers Association of NSW
- Waste Management and Resource Recovery Association of Australia
- Waste Recycling Industry of Queensland

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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 Standards Australia Committee PL-047, Mobile Waste and Recycling Containers, to supersede AS 4123.1—2008, *Mobile waste containers, Part 1: Containers with two wheels and a capacity up to 400 L for lifting devices — Dimensions and design*.

The objective of this document is to provide specifications for minimum dimension and design requirements for mobile waste and recycling containers that have two wheels, a flat lid and a capacity of up to 400 L and are to be used with comb and grab lifting devices. This does not include front lift, mini skips or other material handling bins.

This document is part of a series of Standards on the design, safety and performance of mobile waste and recycling containers and associated lifting devices. A list of all parts in the AS 4123 series can be found in the Standards Australia online catalogue.

The major changes to this edition are as follows:

- (a) The name of the document has been changed to include recycling containers.
- (b) External references have been updated.
- (c) Figures and tables have been updated.

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

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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# Australian Standard®

## Mobile waste and recycling containers

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

#### 1 Scope

This document specifies minimum dimensions and design requirements for mobile waste and recycling containers that have two wheels, a flat lid and a capacity of up to 400 L and are to be used with comb and grab lifting devices.

This document does not apply to front lift, mini skips or other material handling bins.

#### 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.

NOTE Documents referenced for informative purposes are listed in the Bibliography.

AS 4123.5, *Mobile waste and recycling containers, Part 5: Performance requirements and test methods*

AS 4123.6, *Mobile waste and recycling containers, Part 6: Health, safety and environment*

AS 4123.7, *Mobile waste and recycling containers, Part 7: Colours, markings and designation requirements*

#### 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:

- (a) IEC Electropedia available at <http://www.electropedia.org>
- (b) ISO online browsing platform available at <http://iso.org>

##### 3.1

##### **capacity**

total space inside the container when the lid is closed

##### 3.2

##### **container**

appropriately designed mobile waste and recycling container, fitted with wheels, intended to temporarily store waste and recyclables

##### 3.3

##### **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

##### 3.4

##### **lifting device**

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

<grab> 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