

Australian Standard[®]

**Open top metal cans—Definitions,
and determination methods for
dimensions and capacities**

[ISO title: Light gauge metal containers—Definitions and
determination methods for dimensions and capacities—Part 1:
Open-top cans]

This Australian Standard was prepared by Committee PK/8, Metals Cans for Food. It was approved on behalf of the Council of Standards Australia on 1 October 1991 and published on 9 December 1991.

The following interests are represented on Committee PK/8:

Canmakers Institute of Australia
Confederation of Australian Industry
Department of Primary Industries and Energy
Packaging Council of Australia
Standing Committee on Trade Measurement

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PREFACE

This Standard was prepared by the Standards Australia Committee on Metal Cans for Food to supersede AS 2354—1980, *Hermetically sealed metal cans for food and drinks—Terminology and determination of dimensions and capacity*. Except for Clause 0 and Annex A of the International Standard having been voided herein, this edition is identical with and has been reproduced from ISO 90-1:1986, *Light gauge metal containers—Definitions and determination methods for dimensions and capacities—Part 1: Open-top metal cans*. Australian Appendix C has been included as a replacement for Annex A, and Australian Appendix D has been added.

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For the purposes of this Australian Standard, the ISO text should be modified as follows:

- (i) In Clause 1, line 1, *delete* 'This part of ISO 90' and *substitute* 'This Standard'.
- (ii) At the end of Clause 1, *add* a new paragraph to read:
In Australian Appendices, the Standard additionally specifies a method for determining the nominal overall height of lidded cans and provides examples of an alternative Australian designation system.'
- (iii) In Clause 3.1.1, *delete* all words after 'plug gauge'.
- (iv) In Clause 3.3, *delete* 'See annex A' and *substitute* 'See Australian Appendix C'.
- (v) *Insert* a new Clause 3.6 to read:
'3.6 Height
The overall height of a lidded (closed) can shall be indicated as *H*.'
- (vi) At the end of Clause 6, *add* a new paragraph to read:
'In Australia, the nominal overall height of a lidded can, *H*, is extensively used as an alternative to nominal gross lidded capacity, *C*, as a designator. Examples of the alternative Australian designation are given in Australian Appendix D.'
- (vii) *Substitute* a full point (.) for a comma (,) as a decimal marker.
- (viii) Replace references to other publications with references to Australian Standards as follows:

<i>Reference to International Standard</i>	<i>Australian Standard</i>
'related International Standards'	AS 2355—1990 Open top metal cans— Capacities and related dimensions—Round cans for food and drinks.

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Open top metal cans—Definitions, and determination methods for dimensions and capacities

1 Scope and field of application

This part of ISO 90 defines open-top cans and can types, cross-sections, constructions, shapes, special features and capacities. It specifies methods for determining cross-sections and gross lidded capacities. It also gives tolerances on capacity and recommends an international designation.

2 Definitions

For the purposes of ISO 90 and related International Standards, the following definitions apply.

2.1 Cans

2.1.1 can: Rigid container made of metal with a maximum nominal material thickness of 0,49 mm.

2.1.2 open-top can: Can one end of which is double-seamed after filling.

2.1.2.1 open-top can for food products: Open-top can, tight to liquids and gases, preventing recontamination of the contents by micro-organisms.

2.1.2.2 diaphragmed can: Friction-closure can which is fitted with a diaphragm.

A friction-closure can is a can with a double-seamed ring on top and a plug which fits into the ring.