

Australian Standard[®]

**Open top metal cans—Capacities
and related dimensions—Round
cans for food and drinks**

This Australian Standard was prepared by Committee PK/8. It was approved on behalf of the Council of Standards Australia on 26 October 1989 and published on 7 May 1990.

The following interests are represented on Committee PK/8:

Canmakers Institute of Australia
Confederation of Australian Industry
Department of Primary Industries and Energy
Grocery Manufacturers of Australia
National Standards Commission
Packaging Council of Australia
Standing Committee on Trade Management (Packaging)

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PREFACE

This Standard was prepared by Standards Australia Committee on Metal Cans for Food to supersede AS 2355—1980, *Hermetically sealed round cylindrical metal cans for food and drinks —Capacities and dimensions*.

In this edition the term 'open top can' replaces the former term 'hermetically sealed can', to bring the Standard in line with terminology now generally accepted throughout the world.

The review indicated that several cans previously included in the previous edition are no longer being used, and these have been deleted from this edition. Several additional cans have been included in the range to meet current usage. Consideration was also given to the ISO 3004 series of International Standards, which has recently been revised.

In this edition those sizes of can which conform to the revised ISO specifications are identified. It should be noted that ISO Standard 1361—1983, *Light gauge metal containers—Open top cans—Round cans—Internal diameters*, currently allows the use of 74 mm nominal diameter as an alternative to the 73 mm nominal diameter specified in the ISO 3004 Standards.

Although can height is not specified in ISO Standards, this dimension has been included in this Australian Standard.

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STANDARDS AUSTRALIA

Australian Standard
Open top metal cans—Capacities and related dimensions—Round
cans for food and drinks

1 SCOPE. This Standard specifies a range of gross lidded capacities with related diameters and heights for round open top metal cans for use in packaging of food and drinks. It applies to three-piece and two-piece cans including cans with necked-in and beaded features.

NOTE: This Standard is intended for use in commercial transactions.

2 APPLICATION. Within Australia, State and Territorial Weights and Measures Authorities recommend by legislation for some commodities, and recommend for the remainder, that the packaging denominations of prepacked articles conform to masses or volumes specified by the Standing Committee on Trade Measurement (Packaging) SCTM (P) (see Note 2).

State and Territorial Authorities, however, have uniformly agreed through the SCTM (P) that for commodities not subject to legislated denominations, cans conforming to this Australian Standard may, for products sold by mass, be used to pack a non-recommended mass, subject to the mass being rounded down to the nearest 5 g or 10 g. If the product is one that is sold by volume, the quantity should be a product volume as listed in column 4 of Table 1 of this Standard.

In certain circumstances the recommended product volumes (in column 4 of Table 1) may not be achieved or the product volumes are not specified. In such cases volumes should be negotiated with the SCTM (P) through a State or Territorial Weights and Measures Authority.

For further information on the SCTM (P) guidelines, reference should be made to any member of the Standing Committee on Packaging.

NOTES:

1. Cans for packaging products sold by mass are selected from any specifications in the range. Cans for packaging products sold by volume are selected from those cans for which a product volume is specified.
2. Representatives of State and Territorial Authorities and the Commonwealth Attorney-General's Department, with a Chairman and Secretary from the National Standards Committee, meet regularly as a 'Standing Committee on Trade Measurement (Packaging)' to formulate recommendations to maintain uniformity of intent in the State and Territorial Weights and Measures Deceptive Practices in Packaging, and Commonwealth Import Legislation controlling packaged goods.

3 REFERENCED DOCUMENTS. The document below is referred to in this Standard.

AS 2354 Open top metal cans—Definitions and determination methods for dimensions and capacities

4 DEFINITIONS. For the purpose of this Standard the definitions given in AS 2354 apply.

5 CAPACITIES. Nominal gross lidded capacities, i.e. the total internal capacities of the closed can, shall be as given in Table 1. Tolerances for gross lidded capacities shall be in accordance with Appendix A.

NOTE: For information only, the Note to Table 1 provides a method of calculating, from the internal diameter and height, the approximate gross lidded capacity.

6 DIAMETERS. Nominal diameters for each gross lidded capacity are given in Table 1. Internal diameters shall be as specified in Appendix B.

NOTE: Measurement of the distance between diametrically opposite points on the inside of the double seam is a method of determining the approximate internal diameter.

Where necked-in cans are specified, the nominal necked-in diameters shall be as specified in Table 1. The opening diameter, namely the internal diameter of the can extremity to which the end is fixed, shall conform to the requirements specified in Table B1 of Appendix B.

7 HEIGHTS. Nominal heights for each gross lidded capacity shall be as specified in Table 1. The height, namely the distance from the lowest point of the can to the top edge of the upper double seam, shall not vary by more than ± 1.0 mm from the nominal height for cans of gross lidded capacity below 750 mL, or ± 2 mm for cans of gross lidded capacity 750 mL or greater.

8 DESIGNATION. Cans shall be designated by nominal gross lidded capacity, and nominal diameter and nominal height expressed in millimetres.